



ARTPARK
AI & Robotics Technology Park, I-Hub @ IISc



भारत सरकार
GOVERNMENT
OF INDIA

COMPENDIUM

STUDENT PROJECT PROGRAM

49TH SERIES



Supported by:

Department of Science and Technology, Government of India
Department of Science and Technology, Government of Karnataka
AI & Robotics Technology Park (ART-Park), Indian Institute of Science

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Indian Institute of Science Campus, Bengaluru

Project Completion Report of the 49th Series Student Project Program: 2025 - 2026

Principal Co-ordinator

**Prof. Ashok M. Raichur
Secretary, KSCST**

Coordinators

**Mr. K. N. Venkatesh
Senior Project Engineer, KSCST**

**Ms. Anjani,
Project Engineer, KSCST**

**Mr. M. Nagaraja Rao,
Project Engineer, KSCST**

AUGUST 2026



KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science, Bengaluru – 560 012

Telephone: 080 - 23341652, 23348848, 23348840

E-mail: spp@kscst.org.in, office.kscst@iisc.ac.in

Website: <https://kscst.karnataka.gov.in>, www.kscst.org.in/spp.html

A book on Compendium of the 49th series Student Project Program: 2025 - 2026 published by the Secretary, Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science Campus, Bengaluru - 560012.

Compiled and edited by:

Prof. Ashok M. Raichur
Secretary and
Principal Co-ordinator- SPP

Mr. K. N. Venkatesh
Senior Project Engineer and
Programme Coordinator - SPP, KSCST

Mr. M. Nagaraja Rao
Project Engineer and
Programme Coordinator - SPP, KSCST

Mr. Beeresh T.
Project Associate, KSCST

Cover page Design:
Mr. M. Nagaraja Rao, Project Engineer, KSCST

Book Size: A4
No. of Pages: iv + 276

© KSCST

Published by:
Karnataka State Council for Science and Technology
Indian Institute of Science Campus, Bengaluru - 560 012
Telephone: 080 - 23341652, 23348848, 23348840
E-mail: spp@kscst.org.in, office.kscst@iisc.ac.in
Website: <https://kscst.karnataka.gov.in>, www.kscst.org.in/spp.html

Catalysed and supported by:
Department of Science and Technology, Government of India
Department of Science and Technology, Government of Karnataka
AI and Robotics Technology Park (ART-Park), Indian Institute of Science

CONTENTS

1. Compendium of the 49 th Series Student Project Programme	1- 2
2. About Karnataka State Council for Science and Technology	3 - 10
3. Report on 49 th Series of Student Project Programme (SPP)	11 - 52
4. Experts involved in 49 th series SPP	53 -54
5. Synopsis of projects Awarded under 49 th Series of SPP	55 – 165
6. Technical lecture for 49 th Series of SPP	166
7. Technical Lectures organised during Seminar and Exhibition in the previous series of SPP	167
8. Annexure I - List of projects sanctioned under 49 th Series of Student Projects Programme: 2025-26	168 - 264
9. Annexure II - List of projects awarded under the 49 th Series of Student Project Programme: 2025-26	265 – 274
10. Annexure III - Institutions Recognized with the “Best Performing College of the Year Award”	274
11. Annexure IV - Chronology of SPP Seminar (Presently Poster Presentation) and Exhibition	275 - 276

THIS PAGE IS INTENTIONALLY LEFT BLANK

Compendium of the 49th Series

Student Project Program: 2025 - 2026

Overview

The **Compendium of the 49th Series Student Project Program** outlines the framework, objectives, and key components of student projects for the academic year **2025 - 2026**. This program aims to foster creativity, critical thinking, and practical application of knowledge among students.

Key Components

1. Program Objectives

- **Enhance Learning:** Promote experiential learning through hands-on projects.
- **Skill Development:** Equip students with essential skills such as teamwork, research, and problem-solving.
- **Innovation:** Encourage innovative thinking and solutions to real-world problems.

2. Project Categories

- **Research Projects:** In-depth studies on relevant topics.
- **Community Service Projects:** Initiatives aimed at benefiting local communities.
- **Technology Projects:** Development of tech-based solutions or applications.

3. Guidelines for Participants

- **Eligibility:** Open to all Engineering, M.Tech, M.Sc., M.Tech / M.Sc (Agriculture), MCA and MBA students enrolled in the program in the state of Karnataka.
- **Team Formation:** Teams can consist of up to 4 members.
- **Project Submission:** Project proposals were submitted by December 2024.
- **Evaluation Criteria:**
 - Originality and Creativity
 - Objectives and Implementation
 - Research and Analysis
 - Presentation and Clarity
 - Applicability, Impact, and Feasibility
 - Implementation Plan and Project Outcomes
 - Literature Survey
 - Results and Discussion

4. Timeline

Milestone	Date / Month
Program Launch	October 2025
Proposal Submission Deadline	15 th December 2025
Project Development Period	January - June 2026
Mid-term Evaluation of sanctioned projects	April - May 2026
Selection of projects for State-Level Poster Presentation & Exhibition	June 2026
Annual State-Level Poster Presentation and Exhibition	17 – 18 July 2026
Final Submission of Project Completion Reports Deadline	August 2026

5. Awards and Recognition

- **Best Project Award:** For outstanding projects in each category.
- **Certificates of Participation:** All participants received participation certificates.

Conclusion

The **49th Series Student Project Program for 2025 - 2026** aims to inspire and engage students through meaningful projects that contribute to their academic growth and community development. It is an excellent opportunity to apply knowledge and skills in practical settings while fostering collaboration and creativity.

* ~ * ~ *



KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Secretary: Prof. Ashok M. Raichur
Professor, Department of Materials Engineering
Indian Institute of Science

Karnataka State Council for Science and Technology (KSCST) an autonomous S&T organization under Department of Science & Technology, Government of Karnataka.

Established in the year 1975 is one of the first State S&T Councils to be set up in the country. Education, Water, Energy, Housing, Geospatial Technologies, Natural Resource Management are some of the sectors identified by KSCST to pursue research, development and dissemination of ideas, products, services and technologies with the support of State and Central government. During the 50 years of its existence, KSCST has been pro-actively engaging itself to identify, propose and implement S&T based solutions to locale specific needs / problems. In association with the Indian Institute of Science and several other premier R&D institutions, KSCST has been executing many projects and programs aimed at improving socio-economic conditions of the people of the state.



Over the years, a number of technologies have been translated from research and demonstration phase to the implementation and operational phase. KSCST provides support to the State Government in formulation of S&T based policies. Also supports Central and State Governments in scientific surveys, project implementation, evaluation, co-ordination & monitoring, organization of scientific meets and awareness programs.

MAJOR PROGRAMMES

1. Natural Resources Data Management System (NRDMS): Empowering Local Planning with Geospatial Technology

The Natural Resources Data Management System (NRDMS) serves as a comprehensive repository of natural resources and socio-economic geodatabases, providing critical support for local-level planning. Key achievements include:

- **Pioneering Village Cadaster:** Developed and implemented guidelines for generating high-resolution village cadastral maps using satellite imagery, representing a significant advancement in land management.
- **Geospatial Action Planning:** The first state to mandate the use of geospatial technologies in creating action plans for line departments, resulting in a Geospatial Action Plan that promotes informed decision-making.
- **Supporting Local Bodies:** Provides ongoing assistance to urban and rural local bodies in developmental planning, ensuring data-driven strategies for effective resource allocation.
- **District Administration Support:** Offers crucial geospatial support to district administrations for improved governance and efficient service delivery.
- **Custom Web Applications:** Developed a suite of web applications tailored to various GIS applications, enhancing accessibility and usability of geospatial data.

Village Information System (VIS)

The Village Information System (VIS) provides digital spatial data on various aspects of villages, including:

- Demography
- Natural resources
- Land use/land cover
- Socio-economic factors

This information supports decision-makers and planners in making informed decisions at the village and cadastral levels.

Key Accomplishments: Completed a Village Information System atlas for the Ragihalli Gram Panchayat of Anekal Taluk, Bengaluru Urban District.

NRDMS facilitates informed decision-making and promotes sustainable development by leveraging the power of geospatial technology at the local level.

2. Academic and Industry Interaction Cell (AIIC): Fostering Innovation

The Academic and Industry Interaction Cell (AIIC) is dedicated to fostering innovation and collaboration, with a strong focus on student projects and outreach initiatives. Key activities include:

- **Student Project Program (SPP):** Provides crucial support and mentorship to undergraduate and postgraduate engineering students for their innovative projects. To date, the KSCST has supported over 18,500 projects.
- **Commercialization Success:** Facilitated the commercialization of over 200 student projects, demonstrating a strong commitment to translating innovation into real-world impact.

- **Virtual Laboratories and E-Learning Centres:** Established e-learning centres in government high schools, providing access to advanced educational resources, digital content, and interactive lab experiments through 3D animations and the latest IT gadgets, supported by internet access.
- **Faculty Support:** Offers support for faculty projects, encouraging the development of innovative products and services.
- **Science Outreach:** Organizes science popularization and communication programs, Science for Rural Karnataka from Ph.D., Scholars of IISc., teacher enrichment initiatives, and special events such as a science radio serial, and celebrations of National Science Day, National Mathematics Day, and National Space Day.

KSCST through its Academic and Industry Interaction cell is committed to nurturing the next generation of innovators and promoting a culture of scientific inquiry and engagement.

3. Water Technology Initiatives by KSCST

KSCST is actively engaged in addressing water-related challenges, focusing on both water quality and quantity. Key initiatives include:

Water Quality Improvement:

- Demonstration of water defluoridation using technology developed by the Indian Institute of Science (IISc) in Kolar and Tumakuru districts.
- Demonstration of arsenic removal using nanotechnology developed by the Indian Institute of Technology Madras (IITM).
- Pharmaceutical industrial effluent treatment through Plasma process for improved recycling.

Water Conservation and Management:

- Promotion of awareness, training programs, and technical support for the implementation of Rainwater Harvesting (RWH) and groundwater recharge.
- Providing technical support to over **600** government and private organizations across the state for RWH and groundwater recharge projects.
- Conducting **96** RWH training programs for engineers, architects, and plumbing contractors.
- Establishing the Sir M. Visvesvaraya Rain Water Harvesting Theme Park in collaboration with the Bangalore Water Supply and Sewerage Board (BWSSB).
- Conducting over **200** awareness programs and approximately **300** demonstrations / exhibitions to promote RWH throughout the state.

4. **Preserving Karnataka's Legacy: Digital Heritage Initiatives: Karnataka Digital Heritage (KDH):**

KSCST has successfully completed the Karnataka Digital Heritage (KDH) Programme, a pioneering initiative to digitally preserve the state's rich cultural legacy. The project employed cutting-edge 3D laser scanning and geospatial technologies to meticulously document approximately **530** state-protected heritage monuments. This comprehensive documentation process generated detailed 3D point cloud data, intricate 3D mesh models, and precise CAD engineering drawings. The resulting digital assets support:

- **Virtual Tourism:** Offering immersive experiences for visitors worldwide.
- **Restoration Efforts:** Providing invaluable data for the preservation and restoration of these historical treasures.
- **Reconstruction Planning:** Aiding in the reconstruction of monuments, if needed.

This project is conducted in collaboration with the Department of Archaeology, Museums and Heritage (DAMH), Government of Karnataka.

Karnataka Digital Museum:

Karnataka is home to over **50** museums, including **18** government museums managed by DAMH, housing a vast collection of approximately **18,000** invaluable antiquities. These artifacts represent the state's diverse history and include sculptures, inscriptions, manuscripts, weaponry, paintings, coins, and jewelry from prominent dynasties such as the Satavahana, Chalukya, Hoysala, and Vijayanagar empires.

Recognizing the importance of digital preservation, a new project has been launched to digitally capture these artifacts using advanced 3D laser scanning and geospatial technologies. This initiative will generate:

- **3D Point Cloud Data:** Providing highly detailed 3D representations.
- **CAD Drawings:** Enabling precise measurements and analysis.
- **Geo-tagged Databases:** Facilitating organization and accessibility.
- **Immersive VR/AR Walkthroughs:** Creating engaging virtual experiences.

This first-of-its-kind initiative in India was recently inaugurated by the Chief Minister of Karnataka, Shri Siddaramaiah. The 3D laser scanning of these precious antiquities is currently underway, promising to unlock new possibilities for their preservation and appreciation. **Karnataka's Treasures: Digitized for the Future!**

- Geospatial mapping of **Traditional Surface Water Bodies** for restoration and rejuvenation. Mapped over 13,000 Traditional Surface Water Bodies across Karnataka, which includes Kalyani, Kunte, Gokatte and Katte. Based on the reports state government is taking up restoration works of surface water bodies under Jal Shakti Abhiyan and MGNREGA programs.

5. Energy Cell Initiatives

The Energy Cell focuses on promoting and disseminating renewable energy resources across Karnataka, including wind, solar, biomass, biogas, and mini/micro-hydel power sources. Key activities and achievements include:

Wind Energy:

- Established wind mapping and monitoring stations to identify potential sites for wind power generation.
- The data collected has facilitated the installation of over **5300 MW** of wind turbine capacity in the state.

Hydel and Solar Energy:

- Assessed potential sites for micro-hydel power generation.
- Provides end-to-end solutions for the installation of both on-grid and off-grid Solar PV power plants.

Bioenergy Initiatives:

- In partnership with the Karnataka State Biofuel Development Board (KSBDDB), established **32** District Bio-Resource and Information Development Centers (BRIDCs) to provide technical support for bioenergy projects and programs.
- Provided Detailed Project Reports (DPRs) for solar rooftop lighting for the Institute for Social and Economic Change (ISEC) and Gulbarga University, Kalaburagi, during 2024-25.
- Organized a training program for project staff from BRIDC centres across the state in February 2025.
- Conducted brainstorming sessions for coordinators of BRIDC centres in March 2025, in association with the Gandhi Krishi Vigyan Kendra (GKVK), University of Agricultural Sciences (UAS), Bengaluru.
- Provided technical and financial support for **57** bioenergy project proposals.
- Facilitated internship projects for students under the Bioenergy Cell

Awareness and Advocacy:

- Organized World Environment Day.
- Organized a National Conference on Environmental Sustainability
- Conducts World Biofuel Day to promote biofuels
- Prepared amendments to the existing biofuel policy of Karnataka.

6. Housing and Green Building Technologies

Energy-Efficient Building Technologies: The Council is actively involved in the research, development, and dissemination of cost-effective, energy-efficient building technologies. This work has resulted in the construction of over 100,000 houses across India and over 20,000 in Bengaluru alone. KSCST also conducts training programs for engineers and architects.

Green Building Technologies: The construction industry faces challenges related to unsustainable extraction of raw materials and significant carbon emissions. Traditional building materials and construction methods often have high embodied energy and ongoing energy demands for maintenance. There's a growing need for low-carbon building materials and systems.

Our initiatives in green building technologies include:

- **Research and Development:** Exploring and developing innovative, sustainable building materials and construction techniques.
- **Awareness and Promotion:** Educating stakeholders about the benefits of green building concepts and practices.
- **Knowledge Dissemination:** Conducting workshops and training programs for building professionals to promote the adoption of energy-efficient green building technologies.

7. KSCST's Patent Information Centre (PIC): Fostering Innovation in Karnataka

Since its establishment in 2005, KSCST's PIC has been instrumental in developing a strong Intellectual Property (IP) ecosystem in Karnataka. Key highlights include:

- **Extensive Network:** PIC has established a network of 88 IP cells across universities and colleges, serving as hubs for IPR activities.
- **Significant Impact:** These IP cells, with PIC's support, have filed over 2000 patent applications, resulting in 65 patents granted in the last 5 years.
- **Widespread Outreach:** KSCST conducts 40-50 IPR programs annually, reaching over 10,000 participants.
- **Capacity Building:** A "Training of the Trainer" program trained 80 IP coordinators from government colleges.
- **Comprehensive Support:** PIC provides over 400 prior art search reports and supports Geographical Indication (GI) applications, registration, and commercialization efforts.

PIC KSCST's multifaceted approach strengthens Karnataka's innovation landscape through education, support, and industry collaboration.

8. Empowering Communities: KSCST's SC/ST Cell

KSCST has established a dedicated SC/ST Cell to promote the adoption of appropriate and relevant technologies, fostering socioeconomic development within Scheduled Caste/Scheduled Tribe (SC/ST) and marginalized communities. The Cell's key objectives include:

- **Resource Assessment:** Evaluating natural and human resource endowments to identify opportunities for sustainable development.
- **Skill Upgrading:** Providing training programs to enhance skills and employability.
- **Micro-Enterprise Creation:** Supporting the establishment of micro-enterprises to create sustainable livelihoods.
- **Farmers Training Program:** Conducted training programs for progressive farmers in the Kalyana Karnataka Region (500 participants) focused on:
 - Doubling income
 - Integrated agriculture
 - Health and hygiene
 - Soil and water management

To facilitate these goals, the KSCST has developed a specialized tool designed to identify locally-specific training and skill-building programs. This tool is instrumental in improving livelihoods and promoting the successful development of micro-enterprises within these communities.

9. Addressing Malnutrition in Yadgir: Establishing a Fortified Food Processing Unit and Supporting SHGs / FPOs

To combat malnutrition, particularly among women and children, a fortified food production unit has been established in Yadgir. This initiative utilizes technologies developed by the Indian Institute of Science (IISc), the Indian Institute of Horticultural Research (IIHR), and the University of Agricultural Sciences (UAS).

Trial production of four fortified food variants has been successfully completed through Self-Help Groups (SHGs):

- Children's food
- Adolescent food
- Adult food
- Family food

Commercial production and marketing of these products are currently underway.

The project has obtained FSSAI (Food Safety and Standards Authority of India) certificates for all four food variants produced in Yadgir. Furthermore, applications for product patents and trademarks have been submitted through the involved SHGs and AURO Centre for Public Nutrition (ACPN).

10.Improving Tribal Livelihoods: Establishing Non-Timber Forest Product Collection Enterprises (NTFPCE) and Processing Units

To enhance the socio-economic well-being of tribal communities, KSCST initiated the "Non-Timber Forest Product Collection Enterprise" (NTFPCE) program. This program focuses on establishing non-timber product processing units in LAMP Society and LAMPS Federation in Karnataka.

Under this initiative:

- Honey, Amla and Sikakai processing units will be established in LAMPS Co-operative Federation, Mysuru.
- A Sikakai processing and Honey bottling plant will be established in LAMP Society, Koppa, Chikkamagaluru.

These units utilize technologies developed by the University of Agricultural Sciences (UAS), the Indian Institute of Horticultural Research (IIHR), and the Central Food Technological Research Institute (CFTRI).

The program is supported by the Ministry of Tribal Affairs, Government of India (GOI), and the Department of Scheduled Tribe Welfare Development (STWD), Government of Karnataka (GoK).

Key Objectives:

- To provide a branded product and marketing platform for non-timber forest products, thereby increasing the income of tribal communities.
- To provide training and capacity building to tribal communities in the collection, storage, and processing of NTFPs, promoting sustainable development.

11.State Awards for Scientists and Engineers:

To encourage and recognize the contributions of scientists and engineers in the state, the Department of Science and Technology (DST), Government of Karnataka (GoK), instituted state awards in association with the KSCST. These awards, established in 1996, are named in honor of:

- Bharath Ratna Sir M. Visvesvaraya
- Dr. Raja Ramanna
- Sir C. V. Raman
- Prof. Sathish Dhawan
- Dr. Kalpana Chawla

Since the inception of these awards, approximately **300** scientists and engineers have been recognized for their achievements. In the year 2023-24, a total of 28 scientists and engineers were selected to receive these prestigious awards.

* ~ * ~ *

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Indian Institute of Science Campus, Bengaluru - 560012

REPORT ON
49th SERIES OF STUDENT PROJECT PROGRAMME (SPP)

STUDENT PROJECT PROGRAMME (SPP)

Background:

Recognizing the significant potential for research and development (R&D) among Karnataka's engineering and science college students, KSCST launched the Student Project Programme (SPP) in 1977-78. This initiative aimed to foster practical problem-solving skills and leverage existing infrastructure within educational institutions. The program provides financial and academic support for undergraduate and postgraduate projects across various disciplines, including engineering, science, technology, business administration, and agriculture.

Under SPP, KSCST provides technical guidance and financial assistance to selected projects undertaken by final-year students pursuing B.E., B.Arch., M.Tech., M.Sc., M.Sc. (Agriculture), MBA, and MCA programmes in institutions and universities across the State. Through this initiative, the Council plays a vital role in building confidence and enhancing the technical capabilities of graduating students.

The SPP is a unique national model, linking developmental needs with educational institutions. It facilitates the transfer of real-world problems to educational settings, encouraging the development of feasible technical solutions. Over 49 years, the program has funded more than 18,450 projects across the state, significantly impacting the quality of technical education in Karnataka.

Objectives:

Foster Student Creativity: Cultivate students' creative problem-solving skills using science and technology to address societal and state-level development challenges.

Enhance Curricula: Strengthen science and engineering college curricula to equip students with the skills needed to tackle real-world problems effectively.

Empower Regional Problem-Solving: Empower students to identify and creatively address specific regional issues through innovative projects.

Recognize and Encourage Innovation: Recognize and reward students' innovative research and problem-solving abilities.

Focus and Impact:

The SPP has a strong focus on addressing real-world issues, particularly in rural areas.

Project examples span a wide range of sectors, including:

- Cost-effective housing technologies
- Groundwater studies
- Agricultural implements
- Drinking water assessment
- Data Science and Computing
- AI, IoT, and Robotics
- Power Systems and Electric Vehicles
- Materials and Manufacturing
- Biomedical and Automation
- Rural and Smart City Development
- Various Sciences and Technologies and so on...

By focusing on these areas, the SPP enriches collegiate education by providing solutions to real-life problems and developing methodologies for tackling complex issues.

The SPP benefits from the expertise of various scientific and technical institutions, including the Indian Institute of Science, Central Manufacturing Technology Institute, National Aerospace Laboratories, Talent Development Centre, Challakere, NITK-Surathkal along with local organizations and industry experts.

Projects supported by KSCST have gained industry recognition, leading to employment opportunities and further studies for students. The SPP has successfully harnessed the talent of students and the experience of engineering faculty to address the challenges faced by the people of Karnataka.

KSCST gratefully acknowledges the continued support of the Artificial Intelligence and Robotics Technology Park (ARTPARK), Indian Institute of Science (IISc), Bengaluru, which has been partnering with the Student Project Programme for the past three years. ARTPARK's support for projects in the domains of Artificial Intelligence, Machine Learning, Robotics, and other emerging technology areas has significantly strengthened innovation-driven student research. During the 49th Student Project Programme, 372 projects out of the total 1,429 sponsored projects have been supported by ARTPARK. The Council places on record its sincere appreciation for this valuable collaboration.

Methodology:

KSCST's rigorous selection process ensures high-quality projects. Proposals undergo expert review, with approximately 25% receiving funding. Over 100 senior faculty from

IISc, NAL, CMTI, and other institutions provide reviews and guidance, ensuring project innovation and relevance. KSCST provides modest financial support to selected student groups.

Mid-term evaluations, conducted either on-site or online, identify the best projects for the annual State-Level Poster Presentation and Exhibition. This process fosters interaction among faculty and students, leading to improved future projects.

The annual exhibition showcases approximately 350-400 projects, attracting principals, faculty, students, and experts from across the state and country. Awards, including "Best Project of the Year," are presented to outstanding students and their project guides.

49 Years of Progress

Since its inception in 1977 with 54 projects (funded at approximately Rs. 2,250 each), the SPP has grown significantly. The 49th series (2025-2026) supported 1,429 projects across 190 colleges / institutions with a total funding of over Rs. 64.81 Lakhs. Over 19,993 projects have been funded since 1977-78, with nearly half (9,065) selected for annual exhibitions.

Initially focused on engineering colleges and polytechnics, the SPP has expanded to include MSc, M.Tech (Agriculture), MBA, MCA, and other relevant disciplines.

Annual State-Level Poster Presentation and Exhibition

The annual exhibition, now in its 49th year, features a selection of the best projects, with awards presented for the "Project of the Year" and the "Best Performing College". All participants receive certificates of participation. The 49th exhibition, held at Adichunchanagiri University – BGS Institute of Technology (BGSIT), BG Nagara, Nagamangala Taluk, Mandya (17th & 18th July, 2026), and to award about 51 projects for the year 2025-26.

Many projects, sponsored under this program, deal with technology applications relevant to the State. This process has been ably supported by more than hundred faculty and scientists of Indian Institute of Science (IISc), National Aerospace Laboratories (NAL), Central Manufacturing Technology Institute (CMTI), Karnataka State Council for Science and Technology (KSCST) and experts from various other research institutions and government departments. The Student Project Program of KSCST has attracted the attention of various incubation centers of engineering colleges, start-ups and technologists in the country.

The work discipline acquired by students in evolving and executing their projects, improves their analytical method and technical capabilities enabling better performance as professionals. The sponsorship, by Karnataka State Council for Science & Technology, has become a benchmark of quality for engineering student projects and these projects have been recognized and valued by both academic and industrial communities.

In this program, several completed projects have also been identified as promising and having commercial potential. Concerned faculty/students of such projects are encouraged to go ahead for further modification wherever required and to take-up field trials or for scaling up. Projects have always been diverse, reflecting the varied interests of the students/guides and some of them are found to be very innovative.

49th Series of Student Project Programme (SPP)

The Karnataka State Council for Science and Technology (KSCST) invited project proposals from final-year science and engineering students across the state. Proposals were solicited in October 2025 from BE, B. Arch., M.Tech., M.Sc., (Agriculture), MBA, and MCA students for sponsorship under the 49th Student Project Programme (SPP).

The following are the broad themes/areas provided by the expert committee for submitting the project proposal:

List of Broad Themes / S&T technologies for submitting the project proposals

1. Technologies for Rural livelihood improvement (Focusing areas under energy, water, agriculture, environment, health, livelihood, green technology, assistive aid, handicraft, textile, animal health, post-harvest and education (project titles and areas for submitting the proposal is provided below:)

SL NO.	TECHNOLOGY/ PRODUCT DETAILS	FOCUS AREA
i.	▪ (EDU-BOX) Solar Projector and Offline Server. ▪ Solar Powered Sheep Shearing Machine ▪ Solar Water Filtration and Vending Machine	Energy, Water
ii.	Low-Cost Sensor and Deep Learning-Based Method to Spray the Farms with Controlled or Limited Pesticides with Equal Distribution	Agriculture, Environment
iii.	Green Polymer Nanocomposite (Bioplastic) from Agricultural Residue for Food Packing Application	
iv.	Improved Seeder Technology for Paddy Straw Management on Farmer's Field	
v.	Integrated Biotechnological approach for the treatment of Microplastics (MPS) and Plastic Derived Compounds (PDCS) along with refractory organics in the municipal landfill leachate	Environment
vi.	Energy Efficient Multifunctional Field Distillation Unit for Isolation of Essential Oils	Energy

vii.	▪ Mountain solar water and space heating systems ▪ Herbal Chirayita formulations for control of diabetes, anti-bacterial, antiviral, anti- fibroid and hepato-protective activities. ▪ Solar biogas hybrid systems for mountain needs.	Energy, Water, Health
viii.	Resilient Farming Tools & Technologies in Flood and Water-Logged Areas (Cycle Weeder and Hoeing, Soil Digger, Paddy Transplanting, Improvised Portable Low Tunnel Poly House) and Post-Harvest Tools (Turmeric Rammer Tool, Groundnut De-Husking Tool, Turmeric Steam Boiler, Root Crops Washing Tool, Zero Energy Cool Chamber, Maize De-Husking Machine, Briquette Making Tool) for Reducing Labourer Cost	Agriculture, Energy
ix.	▪ Cost-effective bridge (bamboo, wooden & steel) for rural connectivity ▪ Upgraded watermills with low head turbine design and standardization	Livelihood, Water
x.	▪ Improved Biomass Cookstoves ▪ PV Integrated Solar Tunnel Dryer ▪ Solid State Bio-Gas Plant ▪ Kitchen Waste-Based Bio-Gas Plant ▪ Walk in Type Solar Tunnel Dryer ▪ Dhaba Size Improved Biomass Cookstoves ▪ Fluidized Bed Gasifier ▪ MSW Organic Waste Bio-Methanation ▪ Solar-Biomass Based Hybrid Dryer	Green Technology, Energy
xi.	▪ Arid Specific Tree Based Farming System (WADI) ▪ Breed Improvement of Marwari Sheep and Goat ▪ Doorstep AI Services for Artificial Insemination and Preventative Health Care of Cattle. ▪ Establishment of Cactus as a Fodder (New Crop) ▪ Low-Cost Gravity-Based Drip Irrigation System and Efficient Water Use Technique ▪ Tanka With Agor and Rooftop Rainwater Harvesting for Tapping of Rainwater	Agriculture, Livelihood, Information Technology, Water
xii.	▪ Biomass Dryers, Pyro Lite Stove, Outdoor Animal Feed Stove	Livelihood, Energy

	▪ Version 2 of Pyro Stove with New Insulating Materials and Manufacturing Improvements ▪ 2 Versions of Forced Draft Agni Sakhi & Agni Mithra Stove ▪ Fuel Efficient Bakery Oven ▪ Customized Sarala Stove Designs	
xiii.	▪ Biometric Solar ATM named As 'JANATA ATM' ▪ Micro Solar Dome ▪ Micro Solar Pump Coupled With RO System & Integrated with pre filter and Intelligent Controller ▪ Mechanized Ferro Cement Based Products ▪ Bamboo Based Shutters and Doors for Retrofitting of Houses	Energy, Green Technology, Livelihood
xiv.	▪ Neck Rest Pillow with Memory Use ▪ Brick Making from Granite Waste ▪ Ergonomic Design of Mechanical Weeding unit for Reducing Physical Strain ▪ E-Waste Segregation and Preprocessing Model ▪ Customised Gift Making through 3D Chocolate Printing	Livelihood, Assistive Aid, Green Technology
xv.	▪ Green Building Technology: Stabilized Mud Block, Treated Bamboo, Terafil Water, Rainwater Harvesting & Low-Cost Toilet ▪ Agarbathi Bamboo Stick ▪ Products from Treated Bamboo Sticks ▪ Cost-Effective Hatchery-Solar Based	Green Technology, Water, Livelihood, Energy
xvi.	▪ Up-Gradation of Conventional River Rope Way Crossings Over Main Rivers Exists in Rural / Hilly Terrains	Livelihood
xvii.	▪ THIRUMATHIKART: E-Commerce Platform for SHGS for Enhancing their Livelihoods and Generating new Employment Opportunities.	
xviii.	▪ Eco-Friendly and Bio-Degradable Pot by Using Cow Dung and Agriculture Waste ▪ Value Addition of Charcoal-Briquette by Adding LAC ▪ GOAT Special - Concentrate Mixture Product	

xix.	▪ Herbal Mosquito Repellent incense Stick Making ▪ Hand Made Paper Production & Paper Bag Making ▪ Chalk Pencil and Liquid Deodorant Products	
xx.	▪ Customization in Biomass Palletisation Unit ▪ Technology Protocol for Production of Fuel Pellets From Biomass ▪ Optimization Process of Pellet Production using Lantana, Amla Processing Waste, Sugarcane Bagasse, Forest Leaves, Paddy Straw, etc.	Green Technology, Livelihood
xxi.	▪ Hand Operated Sewing Machine for Differently Abled ▪ Cost Effective and Eco-Friendly Paver Block Making ▪ Improved Silver Anklet Plating Technology	Handicraft, Textile
xxii.	▪ Flexible Cage for Cattle Transport Vehicle with Loading Adjustment ▪ Compact and Easily Manoeuvrable Tractor of Low HP Range to meet the requirement of the small farmers	Animal Health, Livelihood, Agriculture
xxiii.	▪ Potable Water using functionalised Cellulose as catalyst from locally available biomass	Water
xxiv.	▪ Water Filtration Solutions, Building Material Technology Solutions	
xxv.	▪ Cost-Effective Neem Fruit Harvester, and Process Standardization ▪ Neem Fruit Collection and Post-Harvest Processing to Produce Quality Pulp and Neem Seed for Product Development	Post Harvest
xxvi.	▪ Portable Laboratory Workbench for Learning and Prototyping	Education

2. Structural Engineering, Geotechnical Engineering, Geomatics, Construction Technology and Management
3. Water and Environment Engineering, Transportation Engineering, Industrial and System Engineering
4. Energy Engineering, Energy for Sustainable Development, Waste Management
5. Data Science, Cyber Security, Computing, Pattern Recognition and Image Processing, Signal Processing



ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿ KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru -560012. Tel: 080 – 23341652, 23348848
Email: spp@kscst.org.in | Website: www.kscst.org.in/spp.html or https://kscst.karnataka.gov.in

STUDENT PROJECT PROGRAMME (SPP - 49th SERIES: 2025 – 2026)

KSCST invites project proposals from the final year BE, B. Arch., M.Tech., M.Sc., M.Tech., / M.Sc., (Agriculture), MBA & MCA students for sponsorship, under the 49th series of Student Project Programme (SPP).

The project proposals has to be submitted through Google Form from **30th September 2025** to **15th December 2025**

**SPP
49th SERIES
2025 – 2026**



**Final year students of -
B.E., B. Arch,
M.Tech, M.Sc.,
M.Tech / M.Sc.
(Agriculture),
MBA and MCA**



The submitted projects must align with one of the following broad indicative themes:

1. Technologies for Rural livelihood improvement (Focus areas under energy, water, agriculture, environment, health, livelihood, green technology, assistive aid, handicraft, textile, animal health, post-harvest and education (project titles and areas for submitting the proposal is provided in the website)
2. Structural Engineering, Geotechnical Engineering, Geomatics, Construction Technology and Management
3. Water and Environment Engineering, Transportation Engineering, Industrial and System Engineering
4. Energy Engineering, Energy for Sustainable Development, Waste Management
5. Data Science, Cyber Security, Computing, Pattern Recognition and Image Processing, Signal Processing
6. Big Data, IoT, Artificial Intelligence, Data Engineering, Robotics (in agriculture, health, education, digital literacy, assistive aid)
7. Networking and Communication Engineering – 5G Technology, Embedded Systems, VLSI Design, Robotics
8. Power System Engineering, Electric Vehicles, Smart Grid Technologies and Micro-grids
9. Materials and Design Engineering, Thermal and Fluid Engineering, Manufacturing Processes and Analysis
10. Control and Automation, Biomedical Engineering, Sensors and Measurement Techniques
11. Rural Engineering and Technical support, Smart Villages and Infrastructure development
12. Biological / Medical Science, Physical Science, Chemical Science, Agriculture Science, Biotechnology
13. Healthcare management, Information Technology, Resources and Environmental Management.

Please review the detailed list of broad themes, S&T technologies, and key areas of focus for submitting project proposals as published on the KSCST website.

How to apply

1. The Project Proposals shall be prepared as per the SPP proposal format available in KSCST website.
2. Each institution can submit maximum of only 20 proposals from each branch.
3. The concerned faculty shall initially scrutinize the project proposals, conduct in-house evaluation of projects and then submit the best project proposals for support.
4. The project team shall have a maximum of 4 students and each project team shall submit only one proposal as per the themes indicated above. Any other project proposals will not be considered and are liable for rejection.
5. The team leader of the project needs to mandatorily fill the Google Form (Link: <https://forms.gle/iXIRB1MyoLWn871x7>)
6. Please go through the "instructions for submission of project proposal" published in the website.
7. The processing fee of Rs. 1,180/- (Rupees One Thousand One Hundred and Eighty only, inclusive of GST) to be paid through NEFT transfer / UPI Payment only (Bank details of KSCST is in the project proposal format, available in Website).
8. The processing fees paid for the project proposal is non-refundable / non-transferable.
9. The proposal accepted only through Google form with the following attachments. (Students / institutions shall not send the hardcopy of the project proposals to KSCST)
 - a. Pdf of project proposal with attestation from Project guide / head of the department and institution
 - b. Scanned copy of Declaration and Endorsement from Head of the Institution
 - c. Copy of Processing fee details
10. The Details of SPP Co-ordinator is mandatory for the submission of the proposal.
11. The last date for submission of project proposal will not be extended and is as per the schedule.

Evaluation Process:

1. The submitted projects will be evaluated by experts and then short-listed for sponsorship. The sponsored amount for the project will be sent to the principal of respective institutions by NEFT
2. The sponsored projects will be evaluated by an expert committee, either offline / online, and then shortlisted for final state-level poster presentation and exhibition.
3. The finalised projects will be called for exhibition / poster presentation followed by evaluation for the coveted "Best Project of the Year Award".

DATES TO REMEMBER

December 2025	Last date for Submission of Proposals via Google Form	15 December 2025, 5.30 PM
	Announcement of Selected Projects for Sponsorship	February 2026
	Midterm Evaluation of Sponsored Projects (Online Mode)	March - April 2026
	Synopsis & Final Project Report submission through Google Form	April 2026
	State-Level Poster Presentation and Exhibition of Selected Projects	May / June 2026

THIS PROGRAMME IS SUPPORTED BY:

Department of Science and Technology, Government of India and Department of Science and Technology, Government of Karnataka
AI and Robotics Technology Park (ART-Park), Indian Institute of Science || Karnataka State Bioenergy Development Board, Government of Karnataka

6. Big Data, integrating Internet of Things, Artificial Intelligence, Data Engineering, Robotics (agriculture, health, education, digital literacy, assistive aid)
7. Networking and Communication Engineering, Embedded Systems, VLSI Design, Robotics
8. Power System Engineering, Electric Vehicles, Smart Grid Technologies and Micro-grids
9. Materials and Design Engineering, Thermal and Fluid Engineering, Manufacturing Processes and Analysis
10. Control and Automation, Biomedical Engineering, Sensors and Measurement Techniques
11. Rural Engineering and Technical support, Smart cities and infrastructure development
12. Biological / Medical Science, Physical Science, Chemical Science, Agriculture Science, Biotechnology
13. Healthcare management, Information Technology, Resources and Environmental Management.

Following a widespread call for proposals, KSCST received a total of **8,128** project proposals, addressing various themes advertised on the website and SPP posters. A total of **211** engineering colleges, universities, and institutions statewide participated. These proposals were evaluated by experts from institutions including the Indian Institute of Science (IISc), National Aerospace Laboratories (NAL), Central Manufacturing Technology Institute (CMTI) for sponsorship during Jan – Feb 2026 and a total of 1435 projects were supported for sponsorship and technical support from KSCST.

Initially, KSCST supported 1,435 project proposals across 190 engineering institutions in the State. Subsequently, two projects (49S_MSC_0369 and 49S_MSC_0123) from Kuvempu University, Shivamogga, were withdrawn. In addition, sanction to three institutions was kept on hold due to non-submission of Utilization Certificate (UC) and Statement of Expenditure (SoE) pertaining to the previous SPP series.

The institutions are:

1. Government Engineering College, Mosalehosahalli, Hassan – 1 project
2. Maharaja Institute of Technology, Mysore – 2 projects
3. The National Institute of Engineering, Mysore – 1 project

Accordingly, a total of 1,429 projects is currently supported across 186 institutions.

Out of these 1,429 projects, 372 projects (i.e., 373 projects minus 1 project from Maharaja Institute of Technology, Mysore, withheld due to non-receipt of UC for the

previous year) received financial support from the AI & Robotics Technology Park (ART-Park), IISc, while the remaining 1,057 projects are supported by KSCST.

Ultimately, **1,429** project proposals from **186** institutions were approved for financial support, totalling **₹64,81,000** (Sixty-Four Lakhs Eighty-one Thousand Rupees) has been sanctioned to 1429 projects and released to the respective institutions through NEFT to the Principal's bank accounts during March/April 2026.

Project Summary by Degree

Sl. No.	Course / Degree	Total No. of projects submitted	No. of Projects approved by experts after evaluation	Total Amount Sanctioned (Rs.)	No. of Students Benefitted		No. of Faculty members involved	Total No. of Colleges / Institutions	Number of Districts Covered
					Male	Female			
1	B.E.	7,138	1,200	53,11,000.00	2,360	2,108	1,586	186	28
2	M.B.A	239	59	2,38,000.00	103	103	87		
3	M.C.A.	278	56	2,36,500.00	94	91	89		
4	M.Sc	379	84	5,29,000.00	51	161	130		
5	M.Sc (Agri)	12	3	21,000.00	1	2	3		
6	M.Tech	82	27	1,45,500.00	17	17	34		
Grand Total		8,128	1,429	64,81,000.00	2,469	2,235	1,820		

A total of **1,429** projects were approved for funding under the 49th SPP, with a total allocation of **₹64,81,000**.

Funding and Co-hosting Support

Artificial Intelligence and Robotics Technology Park (ART-park), IISc

- **Total Budget Sanctioned: ₹15.86 Lakhs** (Inclusive of GST)
- **Project Support: ₹15,86,000** for **373** projects related to AI, ML, and Robotics.
- Sanctioned projects focused on Artificial Intelligence (AI), Machine Learning (ML), and Robotics related to health, development of healthcare aids, etc.
- The projects focus on diverse applications of robotics, automation information technologies and digital communication and networks.

Approved ART-Park Supported Projects Details

Sl. No.	Course	No. of Projects	Sanctioned Amount in Rs.	No. of Students Benefitted		No. of Faculty members involved	Total No. of Colleges / Institutions	Number of Districts Covered
				M	F			
1.	B.E.	348	14,65,500	674	628	455	114	24
2.	M.Sc.	06	31,500	04	07	08		
3.	M.Tech	05	28,500	03	03	07		
4.	M.B.A.	03	12,500	05	07	04		
5.	M.C.A.	10	43,500	17	18	15		
Total		372	15,81,500	546	416	380		

KSCST (Karnataka State Council for Science and Technology)

- Project Details:**

- o **1057** projects have been supported from funds of KSCST supported by DST, GoK.
- o These projects cover various disciplines including B.E., M.B.A., M.C.A., M.Sc., and M.Tech.
- o The projects focus on diverse applications of agriculture, energy, water, livelihood, environmental science, textile technologies, digital education, green technologies

- Total funding: ₹48,99,500 for 1057 projects**

Sl. No.	Course	No. of Projects	Sanctioned Amount in Rs.	No. of Students Benefitted		No. of Faculty members involved	Total No. of Colleges / Institutions participating	Number of Districts Covered
				Male	Female			
1.	B.E.	852	38,45,500	1,686	1,480	1,131	183	28
2.	M.Sc.	78	4,97,500	47	154	122		
3.	M.Tech	22	1,17,000	14	14	27		
4.	M.B.A.	56	2,25,500	98	96	83		
5.	M.Sc. (Agri)	03	21,000	01	02	03		
6.	M.C.A.	46	1,93,000	77	73	74		
Total		1,057	48,99,500	1,923	1,819	1,440		

Mid-term Evaluations

Mid-term evaluations of the supported projects were conducted from 06th April 2026 to 27th April 2026. A total of **60** online sessions were held, supported by **33** experts. Out of the **1,429** projects scheduled for evaluation, **200** were absent, while **1,229** projects were successfully evaluated.

A total of **427** projects were recommended by subject experts for the Annual State-level Poster Presentation and Exhibition. This selection includes **173** projects for Poster Presentation and **254** projects for Exhibition, involving **140** engineering institutions across the state.

- **ART-Park, IISc Supported Projects: 112** projects were selected for the State-level presentation and exhibition. Of these, **47** projects are for Poster Presentation, and **65** are for the Exhibit.
- **KSCST supported Projects: 315** projects were selected. **126** projects are allocated for Poster Presentation, and **189** are for the Exhibit.

List of Approved Projects Selected for Poster Presentation and Exhibition

Under ART-Park, IISc Sponsorship

- Total Projects Sponsored: 372
- Number of Experts Participated: 18
- Total ART-PARK Sponsored Projects Selected for Annual State-Level Poster Presentation and Exhibition: 112
- ART-PARK Sponsored Projects Selected for Poster Presentation: 47
- ART-PARK Sponsored Projects Selected for Poster Exhibition: 65

Course	Sponsored Projects	Selected for Poster presentation	Selected for Exhibition
BE	348	43	63
M.Sc.	6	2	-
MBA	3	1	-
MCA	10	1	-
M.Tech	5	-	2
Total	372	47	65

Under KSCST (DST-GoK)

Course	Sponsored Projects	Selected for Poster presentation	Selected for Exhibition
BE	1200	127	231
M.Tech.	27	3	6
M.Sc.	84	19	7
M.Sc. (Agri)	3	1	-
MBA	59	14	5
MCA	56	9	5
Total	1429	173	254

49th Student Project Programme (SPP): State-level Poster Presentation and Exhibition.

The **49th State-level Poster Presentation and Exhibition** of the Student Project Programme (SPP) was held on **17–18 July 2026** at **Adichunchanagiri University – BGS Institute of Technology (BGSIT), B.G. Nagara, Nagamangala Taluk, Mandya District**.

Final-year students pursuing **B.E., M.Tech., M.Sc., M.Sc. (Agri.), MBA, and MCA** programmes presented their research findings through poster presentations and project exhibitions. Students demonstrated hardware and software prototypes, displayed technical posters, and interacted with faculty members, resource persons, eminent scientists, and technocrats. A technical lecture on emerging engineering developments was also organized as part of the programme. The Student Project Programme continues to promote innovation, hands-on learning, and research that addresses local and societal challenges.

Based on the recommendations of the expert evaluation committee, outstanding projects were shortlisted for the **"Best Project of the Year"** award. The selected projects will receive cash prizes, while certificates will be presented to the student team members and their project guides.

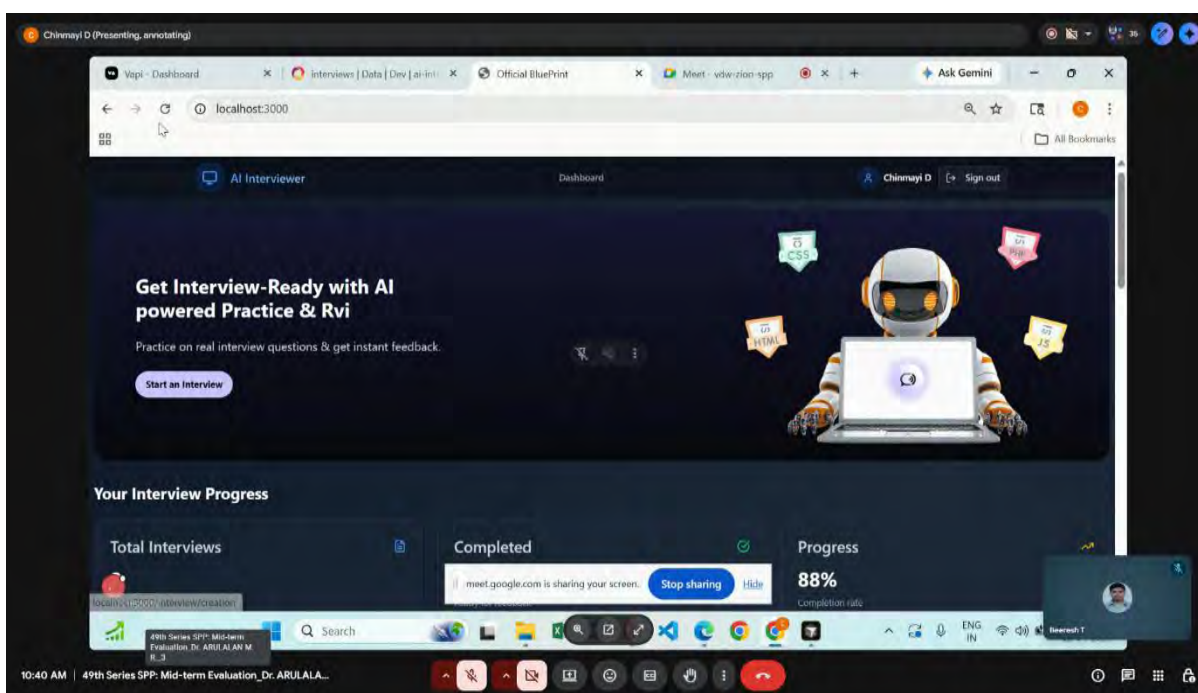
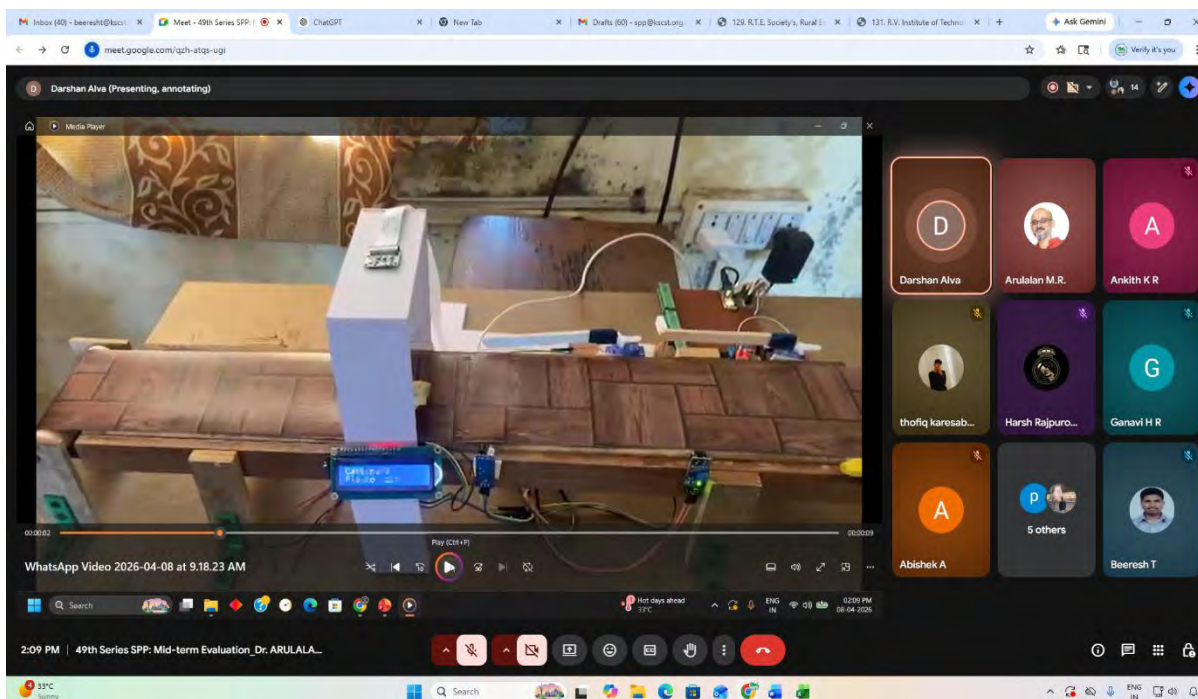
Publication of Proceedings

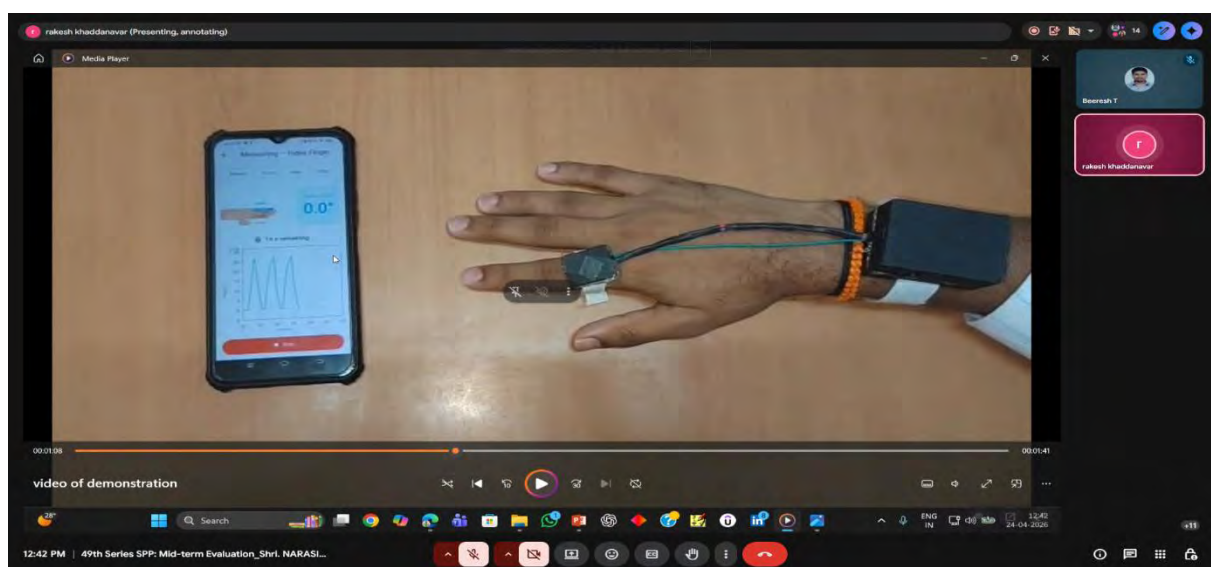
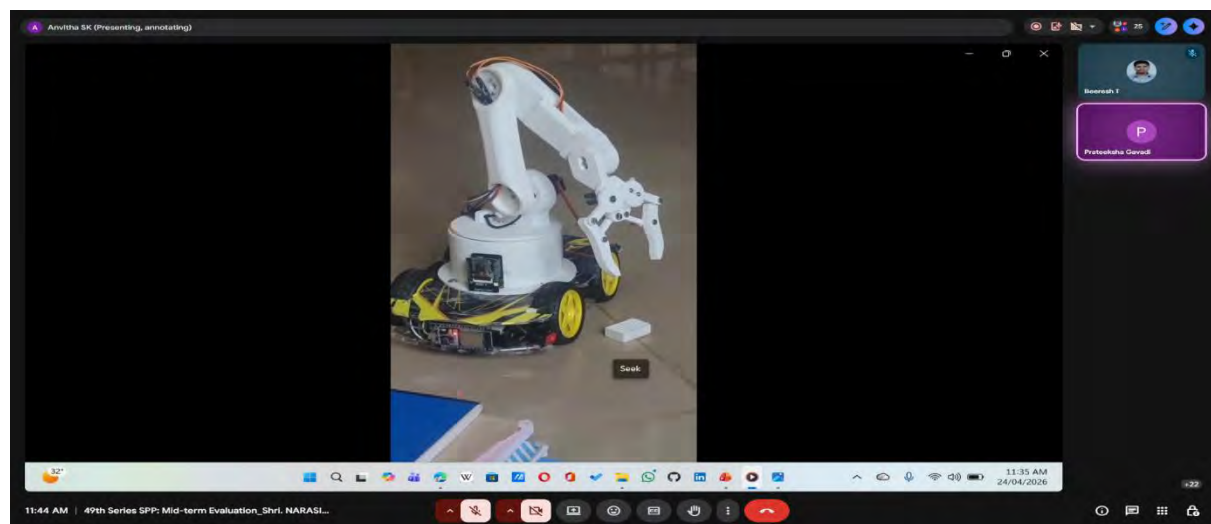
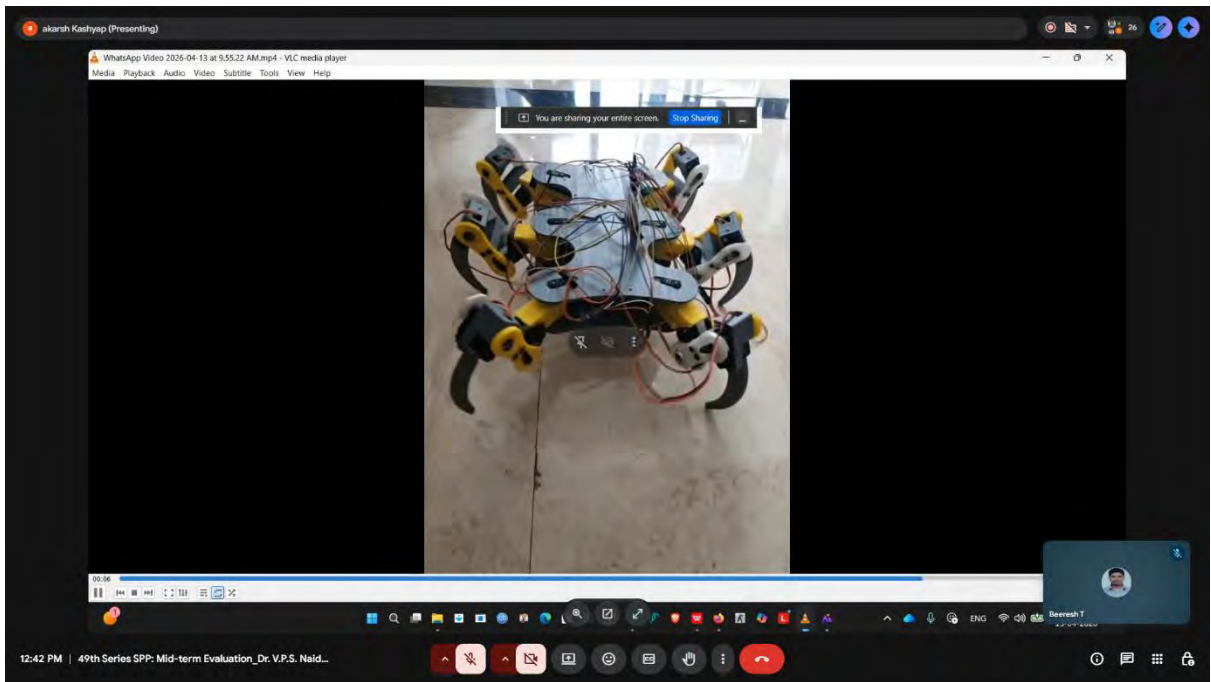
KSCST will publish the proceedings of the programme in the form of a technical compendium containing abstracts and technical information on the selected projects. The publication will also be made available through the KSCST website. The proceedings will serve as a valuable reference resource for students, faculty members, researchers, and engineering institutions across the State.

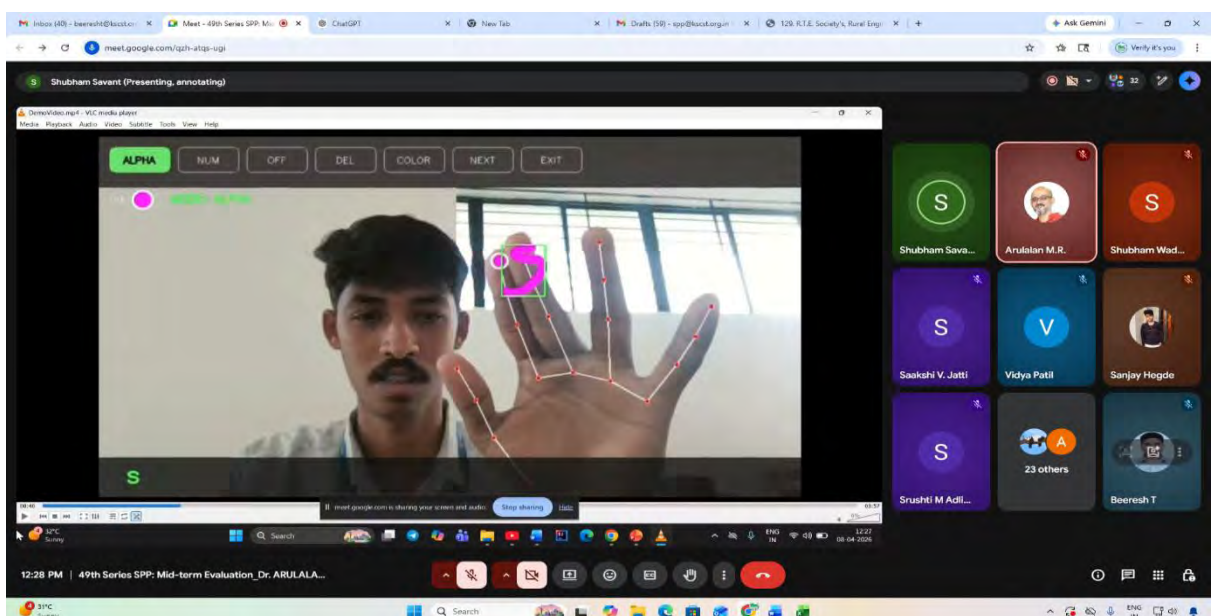
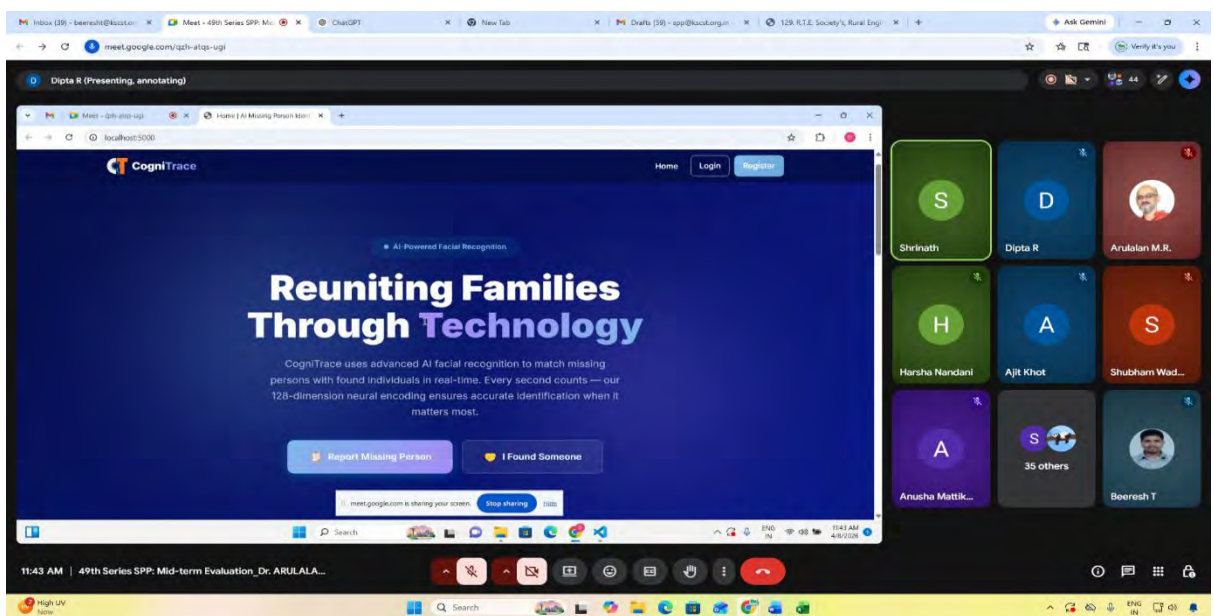
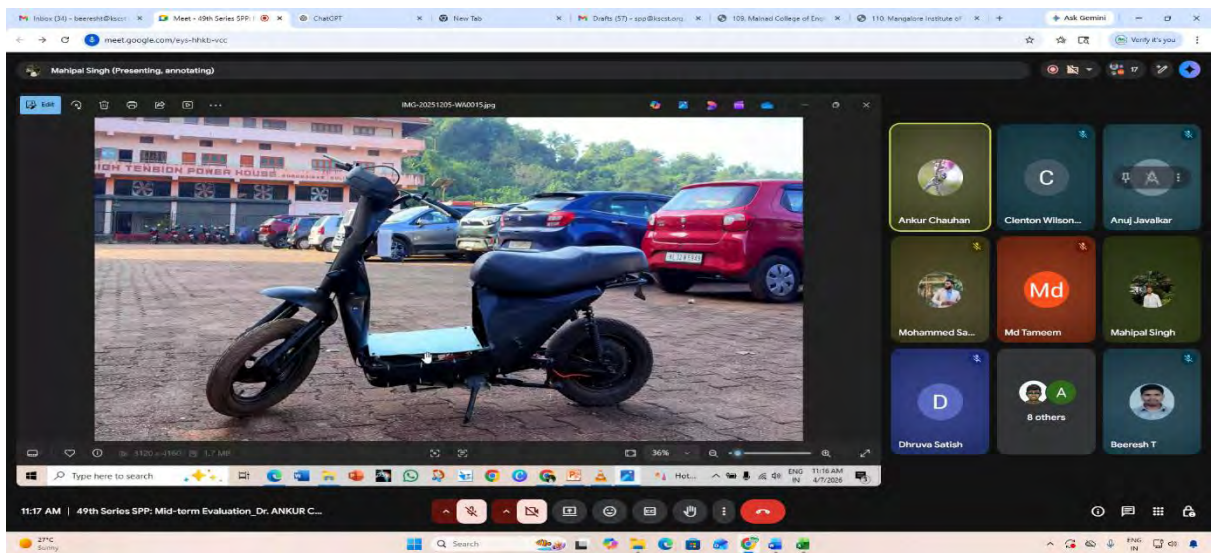
* ~ * ~ *

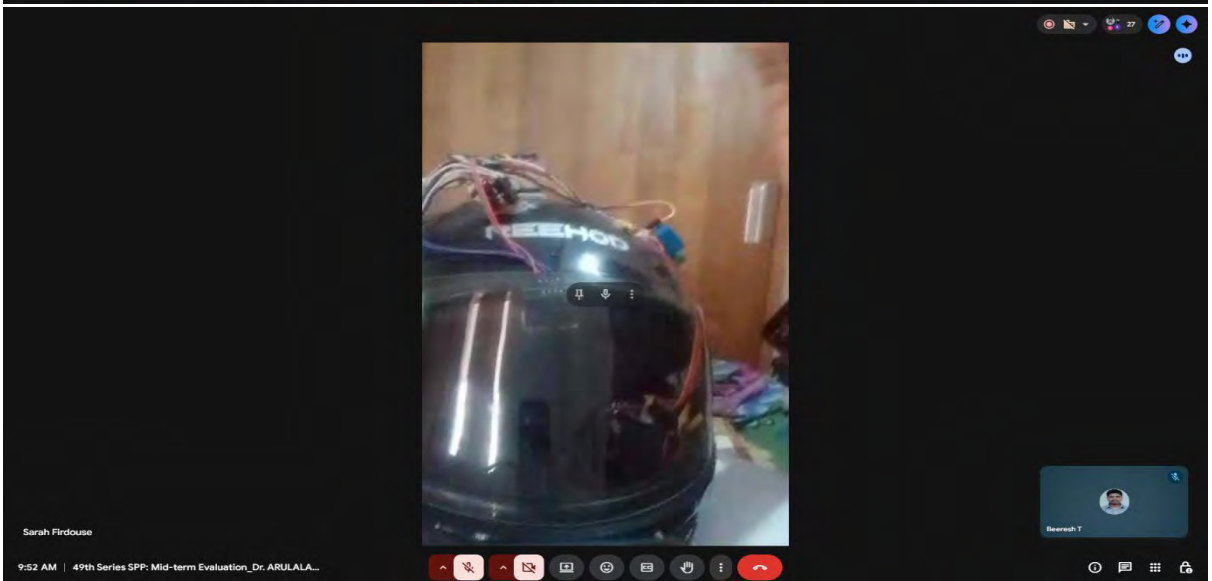
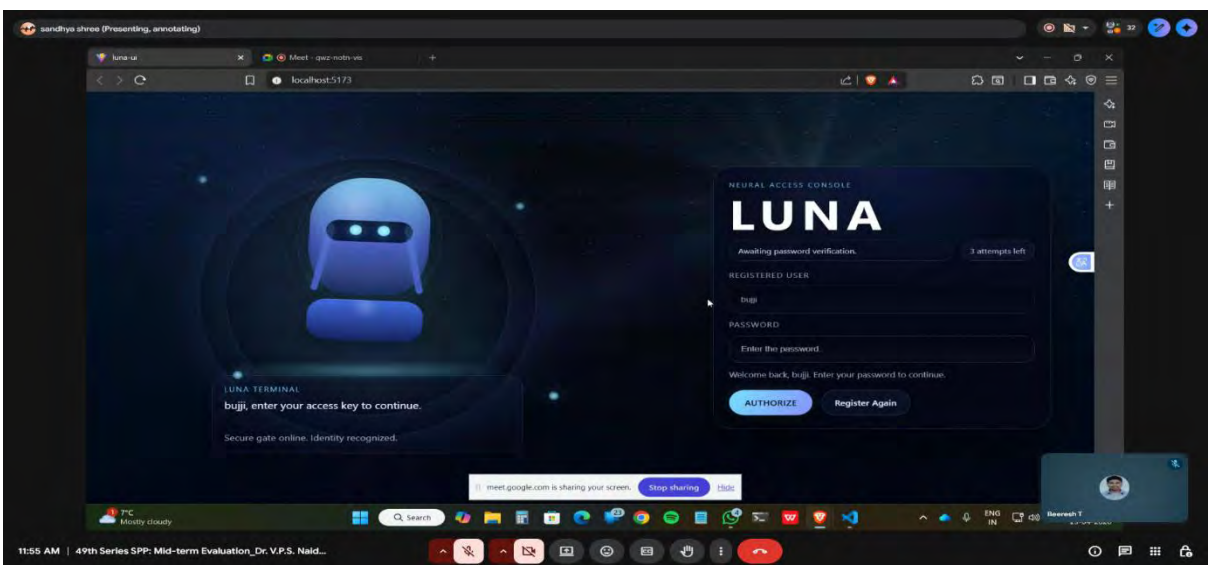
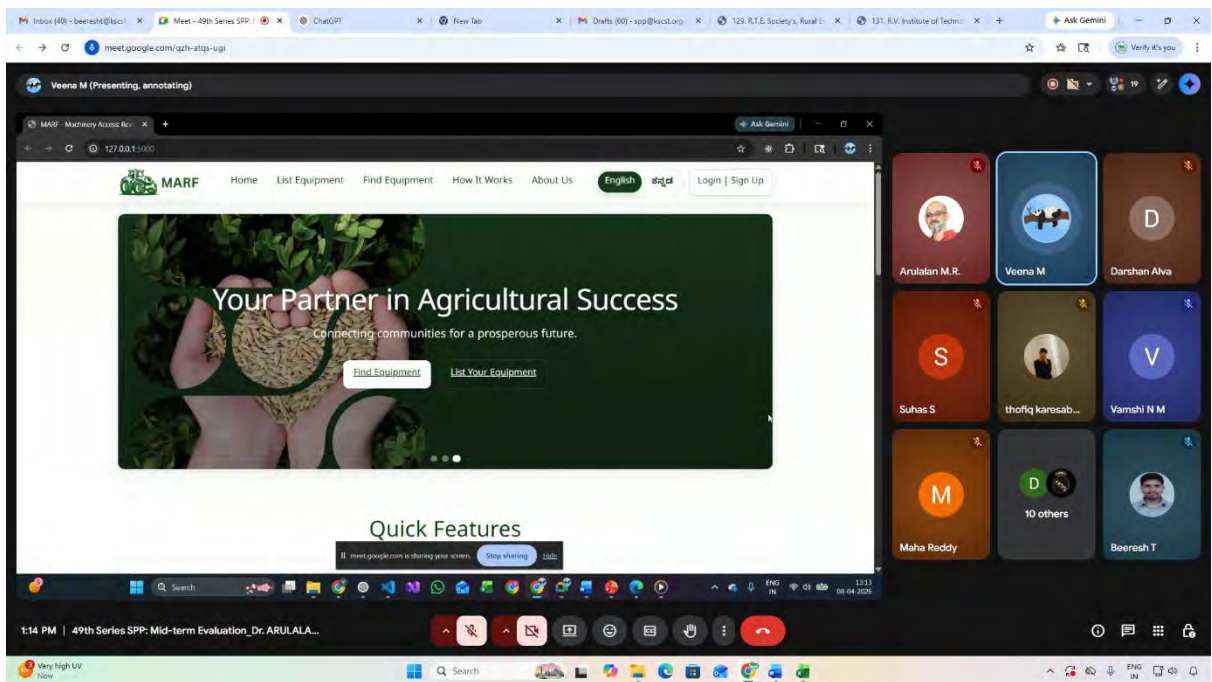
GLIMPSES OF MIDTERM EVALUATION CONDUCTED ONLINE

GLIMPSE OF 49TH SERIES STUDENT PROJECT PROGRAMME (SPP): MID-TERM EVALUATION OF KSCST AND ART-PARK SUPPORTED PROJECTS









49th Student Project Programme: Annual State-Level Poster Presentation and Exhibition

The **Annual State-level Poster Presentation and Exhibition** of the **49th Series Student Project Programme (SPP)** was organized on **17–18 July 2026** at **Adichunchanagiri University – BGS Institute of Technology (BGSIT), B.G. Nagara, Nagamangala Taluk, Mandya District**.

A total of **427 student projects**, representing **140 engineering colleges and universities** across Karnataka, were selected by the expert committee to participate in the State-level Poster Presentation and Exhibition. Among these, **173 projects** were shortlisted for **poster presentations**, while **254 projects** were selected for **project exhibitions**. Of the total selected projects, **112 projects** were supported by **ART-PARK, Indian Institute of Science (IISc)**, comprising **47 poster presentation projects** and **65 exhibition projects**.

The two-day annual technical event witnessed the participation of **837 students and 195 faculty members**, providing an excellent platform for students to present their innovative research and interact with experts, academicians, industry representatives, and the public.

SPP Event Summary

1. Selections: 427 Projects

Poster Presentation Projects Selected	Exhibition Projects Selected
173	254

2. Event Participation: 275 Projects

Poster Presentation Projects Participated	Exhibition Projects Participated
117	158

3. Attendance Summary: 1032 students and faculty

Male Students Attended	Female Students Attended	Total Student Attendance	Faculty Attendance	Total Projects Participated
456	381	837	195	275

4. Accommodation provided by BGSIT: 451 Rooms:

Male Students	Female Students	Male Faculty	Female Faculty
413	352	126	69

The inaugural programme was held on **17 July 2026 at 10:30 a.m.** in the **BGS Auditorium**, Adichunchanagiri University. The programme was inaugurated by **Prof. K. Chidananda Gowda**, Eminent Indian Academic, Computer Scientist, and Former Vice-Chancellor of Kuvempu University.

The distinguished guests included:

- **Prof. Ashok M. Raichur**, Secretary, KSCST
- **Dr. S. N. Sridhara**, Vice-Chancellor, Adichunchanagiri University
- **Dr. C. K. Subbaraya**, Registrar, Adichunchanagiri University
- **Dr. B. N. Shobha**, Dean and Principal, ACU-BGSIT, B.G. Nagara

During the inaugural function, the **Technical Compendium** containing the abstracts of all **427 selected student projects** was formally released in both **CD** and **web** formats. The compendium serves as the official proceedings of the 49th Series Student Project Programme and contains abstracts and technical information on the selected projects. The publication has also been made available through the KSCST website, providing easy access to students, faculty members, researchers, industries, and other stakeholders. The proceedings serve as a valuable reference resource for engineering institutions across the State by disseminating innovative student research and promoting knowledge sharing.

During the inaugural session, the dignitaries encouraged students and faculty members to embrace innovation and develop research-oriented solutions to address societal challenges. They emphasized the importance of creative thinking, interdisciplinary research, and technology-driven problem solving. **Prof. Ashok M. Raichur**, Secretary, KSCST, highlighted the need for higher education institutions to promote multidisciplinary student projects by encouraging collaboration across different engineering disciplines to develop innovative and socially relevant solutions.

Of the **112 ART-PARK-supported projects** selected for the Annual State-level Poster Presentation and Exhibition, **72 projects** participated in the event, comprising **26 poster presentation projects** (out of 47 selected) and **46 exhibition projects** (out of 65 selected).

The participating projects were evaluated by a panel of **18 experts** drawn from premier institutions, including **Indian Institute of Science (IISc)**, **National Aerospace Laboratories (NAL)**, and **Central Manufacturing Technology Institute (CMTI)**.

Based on the recommendations of the expert jury, **51 projects** from various engineering disciplines were selected for the **"Best Project of the Year"** award. Among these, **12 projects** (4 poster presentation projects and 8 exhibition projects) were supported by **ART-PARK, IISc**, while the remaining **39 projects** were supported under the Student Project Programme with financial assistance from the **Department of Science and Technology, Government of Karnataka**.

The expert jury also selected **Nitte Meenakshi Institute of Technology, Bengaluru**, for the "**Best Performing College of the Year**" award in recognition of its outstanding performance in the Student Project Programme.

The **Valedictory Function** was held on **18 July 2026 at 2:00 p.m.** in the **BGS Auditorium**, Adichunchanagiri University. The programme was graced by the **Divine Presence of Paramapoojya Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji**, Honourable Chancellor, Adichunchanagiri University.

Dr. S. N. Sridhara, Vice-Chancellor, Adichunchanagiri University, attended the function as the **Chief Guest**, while **Dr. C. K. Subbaraya**, Registrar, Adichunchanagiri University, was the **Guest of Honour**. The function was also attended by **Prof. Ashok M. Raichur**, Secretary, KSCST; **Dr. B. N. Shobha**, Dean and Principal, ACU-BGSIT; KSCST officials; faculty members; project guides; and student participants.

During the valedictory programme, the "**Best Project of the Year**" awards and the "**Best Performing College of the Year**" award were presented to the winners.

As part of the programme, **Prof. Praveen C. Ramamurthy**, Professor, Department of Materials Engineering and Chair, Interdisciplinary Centre for Water Research, Indian Institute of Science (IISc), Bengaluru, delivered a technical lecture titled "**Organic Electronics: Molecules to Devices**" on **18 July 2026 at 12:00 noon**. The lecture provided valuable insights into recent developments in organic electronics and advanced materials research. It was well received by faculty members and students and concluded with an interactive question-and-answer session.

O !! O

GLIMPSE OF 49TH SERIES STUDENT PROJECT PROGRAMME: ANNUAL STATE LEVEL POSTER PRESENTATION AND EXHIBITION





ವಿಜೃಂಭಣೆಯಿಂದ ಆರಂಭವಾದ ರಾಜ್ಯಮಟ್ಟದ ಯೋಜನಾ ಪೋಸ್ಟರ್ ಹಾಗೂ ಪ್ರಾಜೆಕ್ಟ್

ಜಾಗಮಂಟಲಾದಿಹಂಚನಗಿರಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ದಿವ್ಯಾ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ಕೆಎಸ್ಎಸ್ಎಲ್ 49ನೇ ರಾಜ್ಯ ಮಟ್ಟದ ವಿದ್ಯಾರ್ಥಿ ಯೋಜನಾ ಪೋಸ್ಟರ್ ಹಾಗೂ ಪ್ರಾಜೆಕ್ಟ್ ಪ್ರದರ್ಶನಕ್ಕೆ ಚಾಲನೆ

ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿ (ಎಮಸುಮಿ), ಕರ್ನಾಟಕ ಸರ್ಕಾರ ಹಾಗೂ ಆದಿಚಂಚನಗಿರಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ದಿವ್ಯಾ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಸಂಯುಕ್ತ ಆಶ್ರಯದಲ್ಲಿ ಆದಿಚಂಚನಗಿರಿ +49ನೇ ಸದಸ್ಯ ರಾಜ್ಯ ಮಟ್ಟದ ವಿದ್ಯಾರ್ಥಿ ಯೋಜನಾ ಪೋಸ್ಟರ್ ಪ್ರಾಜೆಕ್ಟ್ ಹಾಗೂ ಪ್ರದರ್ಶನವು ವಿಜೃಂಭಣೆಯಿಂದ ಆರಂಭವಾಯಿತು.

ಕಾರ್ಯಕ್ರಮವು ಪರಮಪೂಜ್ಯ ಜಗದ್ಗುರು ಪದ್ಮನಾಭ ಶ್ರೀ ಶ್ರೀ ಡಾ. ದಾಬಗಂಗಾಧರೇಂದ್ರ ಮಹಾಸ್ವಾಮೀಜಿಗಳ ದಿವ್ಯ ಆಶೀರ್ವಾದವನ್ನು ಸ್ವೀಕರಿಸಿದ ಮೂಲಕ ಹಾಗೂ ಆದಿಚಂಚನಗಿರಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಗೌರವಾನ್ವಿತ ಕುಲದರ್ಶಿನಿಗಳಾದ ಪರಮಪೂಜ್ಯ ಜಗದ್ಗುರು ಶ್ರೀ ಶ್ರೀ ಡಾ. ನಿರ್ಮಲಾಚಂದ್ರೇಂದ್ರ ಮಹಾಸ್ವಾಮೀಜಿಗಳ ಮಾರ್ಗದರ್ಶಿ ಹಾಗೂ ಆಶೀರ್ವಾದದೊಂದಿಗೆ ನಡೆಯಿತು.

ಮೆಕ್ಯಾನಿಕಲ್ ವಿಭಾಗದ ಪ್ರಾಧ್ಯಾಪಕರಾದ ಡಾ. ಗಿರೀಶ್ ಕೆ. ಬಿ. ರವರು ಸ್ವಾಗತ ಕೀರ್ತಿಯಾ ಪ್ರಾಜೆಕ್ಟ್ ಪ್ರದರ್ಶನ ಮತ್ತು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಬಗ್ಗೆ ವಿವರಿಸುತ್ತಾ

2018ರಲ್ಲಿ ಸ್ಥಾಪನೆಯಾದ ಆದಿಚಂಚನಗಿರಿ ವಿಶ್ವವಿದ್ಯಾಲಯವು ಇಂಜಿನಿಯರಿಂಗ್ ಸೇರಿದಂತೆ ವಿವಿಧ ವಿಭಾಗಗಳಲ್ಲಿ ಗುಣಮಟ್ಟದ ಶಿಕ್ಷಣ ನೀಡುತ್ತಿದ್ದು, ಸಿಂಹದಂಶ ಪ್ರಾಚಾರ್ಯರ ಮನವರಿಕೆ ಪಡೆದಿರುವುದು ವಿಶ್ವವಿದ್ಯಾಲಯದ

ಶ್ರೇಷ್ಠತೆಗೆ ಶ್ರೇಷ್ಠತೆಯ ಪ್ರತೀಕವಾಗಿದೆ.

ಎರಡು ದಿನಗಳ ಕಾಲ ನಡೆಯಲಿರುವ ಈ ರಾಜ್ಯಮಟ್ಟದ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ 1,500ಕ್ಕೂ ಹೆಚ್ಚು ವಿದ್ಯಾರ್ಥಿಗಳು, 207 ಅಧ್ಯಾಪಕರು, 40ಕ್ಕೂ ಹೆಚ್ಚು ಶಿಷ್ಯ ಮೌಲ್ಯಮಾಪಕರು, 25 ಗಣ್ಯ ಅತಿಥಿಗಳು ಹಾಗೂ ಸುಮಾರು 1,300ಕ್ಕೂ ಹೆಚ್ಚು ಸಂದರ್ಶಕರು ಭಾಗವಹಿಸುತ್ತಿದ್ದಾರೆ.

ಈ ಪ್ರದರ್ಶನದಲ್ಲಿ 173 ಪೋಸ್ಟರ್ ಪ್ರಸ್ತುತಿಗಳು ಹಾಗೂ 254 ವಿದ್ಯಾರ್ಥಿ ಪ್ರಾಜೆಕ್ಟ್‌ಗಳು ಪ್ರದರ್ಶನಗೊಳಗಿದ್ದು, ವಿದ್ಯಾರ್ಥಿಗಳ ಸಂಶೋಧನಾ ಸಾಮರ್ಥ್ಯ, ಸವನ ಆವಿಷ್ಕಾರಗಳು ಮತ್ತು ಸಮಾಜವು ತಂತ್ರಜ್ಞಾನ ಪರಿಹಾರಗಳಿಗೆ ಹೊಂದಿಕೊಂಡು ಸಿದ್ಧವಿರುವುದನ್ನು ತೋರಿಸಿಕೊಂಡು ಸಂಪಾದಕ, ಪ್ರಾಚಾರ್ಯರ ಮುಖಾಂತಿ ಕೈಗೊಂಡ ಸಂಸ್ಥೆಗಳ ಸಹಯೋಗಕ್ಕೂ ಅವಕಾಶ ಕಲ್ಪಿಸಲಾಗಿದೆ ಎಂದು ತಿಳಿಸಿದರು.

ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಶ್ರೀ ಶ್ರೀ ಸರ್ವೋತ್ತಮ ಸ್ವಾಮೀಜಿ ದಿವ್ಯ ಸ್ವಾಗತ್ ಮಾಡಿದರು. ಮುಖ್ಯ ಅತಿಥಿಗಳಾಗಿ ಪ್ರಾಚಾರ್ಯ ಶಿಕ್ಷಣಾಧ್ಯಕ್ಷ, ಗೌರವ ವಿಜ್ಞಾನ ಕುಲದರ್ಶಿನಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ವಿಶ್ವಾಸ ಕುಲಪತಿಗಳಾದ ಪೂ. ಕೆ. ಚಿದಾನಂದ ಗೌಡರನ್ನು ಸ್ವಾಗತಿಸಿದರು. ಪೂ. ಕೆ. ಚಿದಾನಂದ ಗೌಡರು ತಮ್ಮ ಅಧ್ಯಕ್ಷತೆಯ ಭಾಷಣದಲ್ಲಿ 10 ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗಗಳ ಬಗ್ಗೆ ಮಾಹಿತಿ ತಿಳಿಸಿದರು ಹಾಗೂ ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಸಂಶೋಧನಾ ಮನೋಭಾವ, ಪ್ರಜ್ಞಾಶಕ್ತಿ ಬೆಳೆಸುವ ಹಾಗೂ ಸಂಶೋಧನಾ ಮಹತ್ವವನ್ನು ಒತ್ತಿಹೇಳಿದರು.

ಗೌರವ ಅತಿಥಿಗಳಾಗಿ ಎಮಸುಮಿ ಕಾರ್ಯದರ್ಶಿ ಪೂ. ಅಶೋಕ್ ಎಂ. ಶೈಲೇಂದ್ರ ರವರು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ



ಸಂಶೋಧನಾ ಚಟುವಟಿಕೆಗಳಿಗೆ ಕೆಎಸ್ಎಸ್ಎಲ್ ಸೀಮಿತವಾದ ಬೆಂಬಲ ಹಾಗೂ ಯೋಜನಾ ಪ್ರದರ್ಶನಗಳ ಮಹತ್ವವನ್ನು ವಿವರಿಸಿದರು. ಆದಿಚಂಚನಗಿರಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಪತಿಗಳಾದ ಡಾ. ಎಸ್. ಎಸ್. ಮುಮ್ಮಿಸ್ವರಾಜ ಡಾ. ಮಂಜುನಾಥ್ ಎಸ್. ಹೆಚ್. ಹಾಗೂ ವಿವಿಧ ಬಗ್ಗೆ ಮಾಹಿತಿ ನೀಡಿದರು. ಇದೇ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅಧಿಕಾರಿಗಳು, ಮೌಲ್ಯಮಾಪಕರು, ಕೈಗಾರಿಕಾ ತಜ್ಞರು, ಅಧ್ಯಾಪಕರು ರವರು ಮಾತನಾಡಿ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಶ್ರುತಕ ಬುದ್ಧಿವಂತಿ ಹಾಗೂ ಗಣ್ಯರು ಉಪಸ್ಥಿತರಿದ್ದರು.

ಮತ್ತು ಅಧಿಕಾರಿಗಳ ಮಹತ್ವದ ಬಗ್ಗೆ ಮಾಹಿತಿ ನೀಡಿದರು. ಪರಮಪೂಜ್ಯ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಡೀನ್ ಹಾಗೂ ಪ್ರಾಂಶುಪಾಲರಾದ ಡಾ. ಬಿ. ಎಸ್. ಶೋಭಾರವರು ವಂದನಾರ್ಪಣೆ ಭಾಷಣ ಮಾಡಿದರು. ಈ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಮೆಕ್ಯಾನಿಕಲ್ ವಿಭಾಗದ ಶ್ರೀಧರ ರವರು ಸವನ ಆವಿಷ್ಕಾರ ಮತ್ತು ಉದ್ಯಮಶೀಲತೆ ಬಗ್ಗೆ ಮಾಹಿತಿ ನೀಡಿದರು. ಇದೇ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅಧಿಕಾರಿಗಳು, ಮೌಲ್ಯಮಾಪಕರು, ಕೈಗಾರಿಕಾ ತಜ್ಞರು, ಅಧ್ಯಾಪಕರು ರವರು ಮಾತನಾಡಿ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಶ್ರುತಕ ಬುದ್ಧಿವಂತಿ ಹಾಗೂ ಗಣ್ಯರು ಉಪಸ್ಥಿತರಿದ್ದರು.



ಕನ್ನಡಪ್ರಭ



ಆದಿಚಂಚನಗಿರಿಯಲ್ಲಿ ನಡೆದ ರಾಜ್ಯ ಮಟ್ಟದ ವಿದ್ಯಾರ್ಥಿ ಯೋಜನಾ ಪೋಸ್ಟರ್ ಪ್ರಸ್ತುತಿ ಹಾಗೂ ಪ್ರಾಜೆಕ್ಟ್ ಪ್ರದರ್ಶನ ಸಮಾರಂಭದಲ್ಲಿ ಗಣ್ಯರೊಂದಿಗೆ ವಿದ್ಯಾರ್ಥಿಗಳು ಗುಂಪು ಪೋಟೋ ತೆಗೆಸಿಕೊಂಡರು.

ರಾಜ್ಯಮಟ್ಟದ ವಿದ್ಯಾರ್ಥಿ ಯೋಜನಾ ಪ್ರದರ್ಶನಕ್ಕೆ ಚಾಲನೆ

ನಾಗಮಂಗಲ: ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿ (ಕೆಎಸ್‌ಸಿಎಸ್‌ಟಿ) ಹಾಗೂ ಆದಿಚುಂಚನಗಿರಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಬಿಜಿಎಸ್ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಸಂಯುಕ್ತ ಆಶ್ರಯದಲ್ಲಿ ಆಯೋಜಿಸಿರುವ 49ನೇ ಸರಣಿಯ ರಾಜ್ಯಮಟ್ಟದ ವಿದ್ಯಾರ್ಥಿ ಯೋಜನಾ ಪೋಸ್ಟರ್ ಪ್ರಸ್ತುತಿ ಮತ್ತು ಪ್ರಾಜೆಕ್ಟ್ ಪ್ರದರ್ಶನಕ್ಕೆ ಶುರು ಚಾಲನೆ ದೊರೆಯಿತು.

ಜಗದ್ಗುರು ಡಾ.ನಿರ್ಮಲಾನಂದನಾಥ ಮಹಾಸ್ವಾಮೀಜಿಗಳ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ನಡೆದ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಶ್ರೀ ಸತೀಶ್‌ನಾಥ ಸ್ವಾಮೀಜಿ ದಿವ್ಯ ಸಾನ್ನಿಧ್ಯ ವಹಿಸಿದ್ದರು.

ಮೆಕ್ಯಾನಿಕಲ್ ವಿಭಾಗದ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ.ಗಿರೀಶ್ ಕೆ.ಬಿ. ಸ್ವಾಗತಿಸಿ, ಆದಿಚುಂಚನಗಿರಿ ವಿಶ್ವವಿದ್ಯಾಲಯವು ಗುಣಮಟ್ಟದ ಶಿಕ್ಷಣದೊಂದಿಗೆ ಎನ್‌ಎಎಸ್‌ಎ+ ಮಾನ್ಯತೆ ಪಡೆದಿರುವ ಕುರಿತು ಮಾಹಿತಿ ನೀಡಿದರು. ಎರಡು ದಿನಗಳ ಈ ರಾಜ್ಯಮಟ್ಟದ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ 1,500ಕ್ಕೂ ಹೆಚ್ಚು ವಿದ್ಯಾರ್ಥಿಗಳು, 207 ಅಧ್ಯಾಪಕರು, 40ಕ್ಕೂ ಹೆಚ್ಚು ತಜ್ಞ ಮೌಲ್ಯಮಾಪಕರು, 25 ಗಣ್ಯ ಅತಿಥಿಗಳು ಹಾಗೂ ಸುಮಾರು 1,300ಕ್ಕೂ ಹೆಚ್ಚು ಸಂದರ್ಶಕರು ಭಾಗವಹಿಸುತ್ತಿದ್ದಾರೆ. 173 ಪೋಸ್ಟರ್ ಪ್ರಸ್ತುತಿಗಳು ಹಾಗೂ 254 ವಿದ್ಯಾರ್ಥಿ ಪ್ರಾಜೆಕ್ಟ್‌ಗಳನ್ನು ಪ್ರದರ್ಶಿಸಲಾಗುತ್ತಿದ್ದು, ವಿದ್ಯಾರ್ಥಿಗಳ ಸಂಶೋಧನಾ ಮನೋಭಾವ ಮತ್ತು ನವೀನ ಆವಿಷ್ಕಾರಗಳಿಗೆ ವೇದಿಕೆ ಕಲ್ಪಿಸಲಾಗಿದೆ ಎಂದು ತಿಳಿಸಿದರು.



49ನೇ ಸರಣಿಯ ರಾಜ್ಯಮಟ್ಟದ ವಿದ್ಯಾರ್ಥಿ ಯೋಜನಾ ಪೋಸ್ಟರ್‌ಪ್ರಸ್ತುತಿ ಮತ್ತು ಪ್ರಾಜೆಕ್ಟ್ ಪ್ರದರ್ಶನಕ್ಕೆ ಶುರು ಚಾಲನೆ ನೀಡಲಾಯಿತು.

ಶಿಕ್ಷಣ ತಜ್ಞ ಹಾಗೂ ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ವಿಶ್ರಾಂತ ಕುಲಪತಿ ಪ್ರೊ.ಕೆ.ಚಿದಾನಂದ ಗೌಡ ಮಾತನಾಡಿ, ಎಂಜಿನಿಯರಿಂಗ್ ಶಿಕ್ಷಣದಲ್ಲಿ ಸಂಶೋಧನೆ, ವೈಜ್ಞಾನಿಕ ಚಿಂತನೆ ಮತ್ತು ನವೋದ್ಯಮಗಳ ಮಹತ್ವವನ್ನು ಒತ್ತಿಹೇಳಿದರು.

ಕೆಎಸ್‌ಸಿಎಸ್‌ಟಿ ಕಾರ್ಯದರ್ಶಿ ಪ್ರೊ.ಅಶೋಕ್ ಎಂ.ರೈಚೂರ್ ವಿದ್ಯಾರ್ಥಿಗಳ ಸಂಶೋಧನಾ ಚಟುವಟಿಕೆಗಳಿಗೆ ಕೆಎಸ್‌ಸಿಎಸ್‌ಟಿ ನೀಡುತ್ತಿರುವ ಪ್ರೋತ್ಸಾಹದ ಕುರಿತು ವಿವರಿಸಿದರು. ಆದಿಚುಂಚನಗಿರಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಪತಿ ಡಾ.ಎಸ್.ಎನ್.ಶ್ರೀಧರ ನವೀನ ಆವಿಷ್ಕಾರ ಮತ್ತು ಉದ್ಯಮಶೀಲತೆ ಕುರಿತು ಮಾತನಾಡಿದರು.

ಕುಲಸಚಿವ ಡಾ.ಸಿ.ಕೆ.ಸುಬ್ಬರಾಯ ಕೃತಕ ಬುದ್ಧಿಮತ್ತೆ ಹಾಗೂ ಆವಿಷ್ಕಾರಗಳ ಮಹತ್ವವನ್ನು ತಿಳಿಸಿದರು.

ಬಿಜಿಎಸ್ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಡೀನ್ ಹಾಗೂ ಪ್ರಾಂಶುಪಾಲೆ ಡಾ.ಬಿ.ಎನ್.ಶೋಭಾ ವಂದಿಸಿದರು. ಮೆಕ್ಯಾನಿಕಲ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ.ಮಂಜುನಾಥ್ ಎಸ್.ಎಚ್., ವಿವಿಧ ವಿಭಾಗಗಳ ಡೀನ್‌ಗಳು, ಕೆಎಸ್‌ಸಿಎಸ್‌ಟಿ ಅಧಿಕಾರಿಗಳು, ಕೈಗಾರಿಕಾ ತಜ್ಞರು, ಮೌಲ್ಯಮಾಪಕರು, ಅಧ್ಯಾಪಕರು ಹಾಗೂ ಗಣ್ಯರು ಉಪಸ್ಥಿತರಿದ್ದರು. ಎಂಬಿಎ ವಿಭಾಗದ ಬೀನಾ ಪಿ. ಕಾರ್ಯಕ್ರಮ ನಿರೂಪಿಸಿದರು.

ಕನ್ನಡಪ್ರಭ

ಬಿಜಿಎಸ್‌ನಲ್ಲಿ ಇಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿಗಳ ಪೋಸ್ಟರ್ ಪ್ರಸ್ತುತಿ

• **ಕನ್ನಡಪ್ರಭ ವಾರ್ತೆ** ನಾಗಮಂಗಲ

ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಕ್ಷೇತ್ರದಲ್ಲಿ ಸಾಕಷ್ಟು ಆವಿಷ್ಕಾರಗಳು ನಡೆಯುತ್ತಿವೆ. ಇಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿಗಳು ವೈಜ್ಞಾನಿಕ ಚಿಂತನೆಯೊಂದಿಗೆ ಸಂಶೋಧನಾ ಮನೋಭಾವ ಬೆಳೆಸಿಕೊಂಡಲ್ಲಿ ದೇಶಕ್ಕೆ ತಮ್ಮದೇ ಆದ ಕೊಡುಗೆ ನೀಡಬಹುದು ಎಂದು ಪ್ರಾ.ತಂತ್ರಜ್ಞಾನ ಹಾಗೂ ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ವಿಶ್ರಾಂತ ಕುಲಪತಿ ಪ್ರೊ.ಕೆ.ಚಿದಾನಂದಗೌಡ ಅಭಿಪ್ರಾಯ ವ್ಯಕ್ತಪಡಿಸಿದರು.

ತಾಲೂಕಿನ ಬಿ.ಬಿ.ನಗರದ ಆದಿಚುಂಚನಗಿರಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಬಿಜಿಎಸ್ ಸಭಾಂಗಣದಲ್ಲಿ ಬೆಂಗಳೂರಿನ ರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿ ಹಾಗೂ ಆದಿಚುಂಚನಗಿರಿ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಸಹಭಾಗಿತ್ವದಲ್ಲಿ ಶುರು ಚಾಲನೆ ಆಯೋಜಿಸಿದ್ದ 49ನೇ ಸರಣಿಯ ರಾಜ್ಯ ಮಟ್ಟದ ವಿದ್ಯಾರ್ಥಿ ಯೋಜನಾ ಪೋಸ್ಟರ್‌ಪ್ರಸ್ತುತಿ ಹಾಗೂ ಪ್ರಾಜೆಕ್ಟ್ ಪ್ರದರ್ಶನ ಸಮಾರಂಭದ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿ ಮಾತನಾಡಿದರು.

ಜಗತ್ತು ಇಂದು ಸಾಕಷ್ಟು ಮುಂದೆ ಹೋಗಿದೆ. ಇಂಜಿನಿಯರಿಂಗ್‌ನಲ್ಲಿ ಪದವಿ ಪಡೆದು ರಾಷ್ಟ್ರಸೇವೆಗೆ ಮುಂದಾಗುವ ವೇಳೆ ಈ ದೇಶಕ್ಕೆ ನಮ್ಮ ಕೊಡುಗೆ ಏನು ಎಂಬುದರ ಬಗ್ಗೆ ಪ್ರತಿಯೊಬ್ಬ ವಿದ್ಯಾರ್ಥಿಗಳು ಆಲೋಚನೆ ಮಾಡಬೇಕು. ಎಲ್ಲರಲ್ಲೂ ಸೇವಾ ಮನೋಭಾವ ಮೂಡಬೇಕು. ಆಗ ಮಾತ್ರ



ರಾಷ್ಟ್ರಕ್ಕೆ ಏನನ್ನಾದರೂ ಕೊಡುಗೆ ನೀಡಬಹುದು ಎಂದರು.

ಸಮಾರಂಭವನ್ನು ಉದ್ಘಾಟಿಸಿದ ಆದಿಚುಂಚನಗಿರಿ ನಾಗಮಂಗಲ ಶಾಖಾ ಮಹದ ಸತೀಶ್‌ನಾಥ ಸ್ವಾಮೀಜಿ ಮಾತನಾಡಿ, ಯಾವುದೇ ಕ್ಷೇತ್ರದಲ್ಲಿಯೂ ಸರಿ, ವಿದ್ಯಾರ್ಥಿಗಳು ಒಂದು ಗುರಿ ಇಟ್ಟುಕೊಂಡ ಮೇಲೆ ಹಿಂದೆ ತಿರುಗಿ ನೋಡಬಾರದು. ಮುಂದಿನ ಅಭ್ಯುದಯದ ದೃಷ್ಟಿಕೋನದೊಂದಿಗೆ ಶ್ರದ್ಧೆಯಿಂದ ಮುಂದೆ ನಡೆಯಬೇಕು. ಆಗ ಮಾತ್ರ ಜೀವನದಲ್ಲಿ ಯಶಸ್ಸು ಸಾಧಿಸಬಹುದು ಎಂದು ಹೇಳಿದರು.

ಉದ್ಯಮಶೀಲತೆ, ಕೃತಕ ಬುದ್ಧಿಮತ್ತೆ (ಎಐ) ಹಾಗೂ ಹೊಸ ಆವಿಷ್ಕಾರಗಳ ಮಹತ್ವ ಕುರಿತು ಆದಿಚುಂಚನಗಿರಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಪತಿ ಡಾ. ಎಸ್.ಎನ್. ಶ್ರೀಧರ ಅವರು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಮಾಹಿತಿ ನೀಡಿದರು.

ಪ್ರಾಸ್ತಾವಿಕ ಸುದ್ದಿಯಲ್ಲಿ ಮೆಕ್ಯಾನಿಕಲ್ ವಿಭಾಗದ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ. ಕೆ.ಬಿ.ಗಿರೀಶ್ ಮಾತನಾಡಿ, ಈ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ 173 ಪೋಸ್ಟರ್‌ಪ್ರಸ್ತುತಿಗಳು ಹಾಗೂ 254 ವಿದ್ಯಾರ್ಥಿ ಪ್ರಾಜೆಕ್ಟ್‌ಗಳು ಪ್ರದರ್ಶನಗೊಳ್ಳಲಿವೆ. ವಿದ್ಯಾರ್ಥಿಗಳ ಸಂಶೋಧನಾ ಸಾಮರ್ಥ್ಯ, ನವೀನ ಆವಿಷ್ಕಾರಗಳು ಮತ್ತು ಸಮಾಜಮುಖಿ ತಂತ್ರಜ್ಞಾನ ಪರಿಹಾರಗಳಿಗೆ ವೇದಿಕೆ ಕಲ್ಪಿಸಲಾಗಿದೆ. ಇದರೊಂದಿಗೆ ತಜ್ಞರೊಂದಿಗೆ ಸಂವಾದ, ಜ್ಞಾನ ವಿನಿಮಯ ಹಾಗೂ ಕೈಗಾರಿಕಾ, ಶೈಕ್ಷಣಿಕ ಸಂಸ್ಥೆಗಳ ಸಹಯೋಗಕ್ಕೂ ಅವಕಾಶ ಕಲ್ಪಿಸಲಾಗಿದೆ ಎಂದು ತಿಳಿಸಿದರು.

2 ದಿನಗಳ ರಾಜ್ಯಮಟ್ಟದ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ 1500ಕ್ಕೂ ಹೆಚ್ಚು ಇಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿಗಳು, 207 ಅಧ್ಯಾಪಕರು, 40ಕ್ಕೂ ಹೆಚ್ಚು ತಜ್ಞ ಮೌಲ್ಯಮಾಪಕರು, 1300ಕ್ಕೂ ಹೆಚ್ಚು ಸಂದರ್ಶಕರು ಸೇರಿದಂತೆ ಗಣ್ಯರು ಪಾಲ್ಗೊಂಡಿದ್ದರು.

ರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿ ಕಾರ್ಯದರ್ಶಿ ಪ್ರೊ.ಅಶೋಕ್ ಎಂ. ರೈಚೂರು, ಆದಿಚುಂಚನಗಿರಿ ವಿವಿ ರಿಜಿಸ್ಟ್ರಾರ್‌ಸಿ.ಕೆ.ಸುಬ್ಬರಾಯ, ಬಿಜಿಎಸ್ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಡೀನ್ ಹಾಗೂ ಪ್ರಾಂಶುಪಾಲೆ ಡಾ.ಬಿ.ಎನ್.ಶೋಭಾ, ಮೆಕ್ಯಾನಿಕಲ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ. ಎಸ್.ಎಚ್.ಮಂಜುನಾಥ್, ವಿವಿಧ ವಿಭಾಗಗಳ ಡೀನ್‌ಗಳು, ಪ್ರಾಂಶುಪಾಲರು, ಕೆಎಸ್‌ಸಿಎಸ್‌ಟಿ ಅಧಿಕಾರಿಗಳು, ಕೈಗಾರಿಕಾ ತಜ್ಞರು, ಅಧ್ಯಾಪಕರು ಇದ್ದರು.

MANDYA Edition

Jul 18, 2026 Page No. 03

Powered by: erelego.com



49th series of Student Project Programme (SPP): 2025-26

**Annual State-Level Poster Presentation and Exhibition to be held at
Adichunchanagiri University - BGS Institute of Technology, BG Nagara – 571448,
Nagamangala Taluk, Mandya District on 17 and 18 July 2026**

College Wise List of projects selected for Poster presentation and Exhibition projects

Name of the Institution	Total Projects Sanctioned	Projects Selected for Poster Presentation (A)	Projects Selected for Exhibit project (B)	Total No. of projects Selected for Poster and Exhibition (A+B)
1. A.C.S. COLLEGE OF ENGINEERING, BENGALURU	1			
2. A.G.M. RURAL COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBBALLI	3			
3. A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, MANGALURU	8	1	1	2
4. A.M.C. ENGINEERING COLLEGE, BENGALURU	11	1	5	6
5. A.P.S. COLLEGE OF ENGINEERING, BENGALURU	3		2	2
6. A.T.M.E. COLLEGE OF ENGINEERING, MYSURU	2			
7. ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU	3			
8. ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU	9	1		1
9. ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU	3			
10. ADMINISTRATIVE MANAGEMENT COLLEGE, BENGALURU	1			
11. AKSHAYA INSTITUTE OF TECHNOLOGY, TUMAKURU	3	1		1
12. ALLIANCE UNIVERSITY, BENGALURU	5	1	1	2
13. ALVA'S COLLEGE, MOODUBIDIRE	1			
14. ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOODBIDRI	6		1	1
15. AMRITA VISHWA VIDYAPEETHAM BENGALURU CAMPUS, BENGALURU	2			
16. AMRUTA INSTITUTE OF ENGINEERING AND MANAGEMENT SCIENCES, BIDADI	4	1	1	2
17. ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELAGAAVI	14		2	2
18. ATRIA INSTITUTE OF TECHNOLOGY, BENGALURU	16	2+1	1	4
19. B.G.S COLLEGE OF ENGINEERING & TECHNOLOGY, BENGALURU	12	1+1	3+1	6
20. B.G.S SCIENCE ACADEMY AND RESEARCH CENTER, CHIKKABALLAPURA	3		1	1
21. B.G.S. INSTITUTE OF TECHNOLOGY, MANDYA	13	2	1	3
22. B.L.D.E.A'S V.P. DR. P.G.HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA	10		1	1
23. B.M.S. COLLEGE OF ENGINEERING, BULL TEMPLE ROAD, BENGALURU	4		2	2
24. B.M.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, YELAHANKA, BENGALURU	6			
25. B.N.M. INSTITUTE OF TECHNOLOGY, BENGALURU	11		1+2	3

Name of the Institution	Total Projects Sanctioned	Projects Selected for Poster Presentation (A)	Projects Selected for Exhibit project (B)	Total No. of projects Selected for Poster and Exhibition (A+B)
26. B.V.V. SANGHA'S BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT	10	2		2
27. BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BALLARI	6	1	2+1	4
28. BANGALORE INSTITUTE OF TECHNOLOGY, BENGALURU	20	2	2+1	5
29. BANGALORE TECHNOLOGICAL INSTITUTE, BENGALURU	7	1	3	4
30. BANGALORE UNIVERSITY, BENGALURU	1	1		1
31. BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANAGERE	9	1		1
32. BEARYS INSTITUTE OF TECHNOLOGY, MANGALURU	4	1		1
33. BILURU GURUBASAVA MAHASWAMIJI INSTITUTE OF TECHNOLOGY, MUDHOL, BAGALKOT	10	3		3
34. BRINDAVAN COLLEGE OF ENGINEERING, BENGALURU	7		1	1
35. C. BYREGOWDA INSTITUTE OF TECHNOLOGY, KOLAR	3			
36. C.M.R. INSTITUTE OF TECHNOLOGY, BENGALURU	11	3+1	1	5
37. C.M.S. BUSINESS SCHOOL, JAIN (DEEMED-TO-BE UNIVERSITY), BENGALURU	2	1		1
38. CAMBRIDGE INSTITUTE OF TECHNOLOGY NORTH CAMPUS, DEVANAHALLI, BENGALURU RURAL	9		1	1
39. CAMBRIDGE INSTITUTE OF TECHNOLOGY, K.R. PURAM, BENGALURU	18	1	2+1	4
40. CANARA ENGINEERING COLLEGE, MANGALURU	14	1+1	2	4
41. CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, TUMAKURU	3	1	1	2
42. CHRIST DEEMED TO BE UNIVERSITY, KENGERI CAMPUS, BENGALURU	6	1+1	1+2	5
43. CITY ENGINEERING COLLEGE, BENGALURU	5			
44. COLLEGE OF HORTICULTURE, BAGALKOT	3	2		2
45. COLLEGE OF HORTICULTURE, BENGALURU	3			
46. COORG INSTITUTE OF TECHNOLOGY, KODAGU	3			
47. DAVANGERE UNIVERSITY, DAVANAGERE	6	2		2
48. DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT, BENGALURU	15	1	1+2	4
49. DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	48	5+5	5	15
50. DAYANANDA SAGAR UNIVERSITY, BENGALURU SOUTH	11	1	1+1	3
51. DON BOSCO INSTITUTE OF TECHNOLOGY, BENGALURU	11	1	3	4
52. Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BENGALURU	5	1	1	2
53. Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY, KOLAR	4	1	1	2
54. EAST POINT COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU	9	1	1	2
55. EAST WEST INSTITUTE OF TECHNOLOGY, BENGALURU	20	2	3	5
56. ENERGY INSTITUTE, BENGALURU	1		1	1
57. G. MADEGOWDA INSTITUTE OF TECHNOLOGY, MADDUR	9	2	3	5
58. G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE	18	1	2+1	4
59. G.M. UNIVERSITY, DAVANGERE	3	2		2

Name of the Institution	Total Projects Sanctioned	Projects Selected for Poster Presentation (A)	Projects Selected for Exhibit project (B)	Total No. of projects Selected for Poster and Exhibition (A+B)
60. G.S.S.S. INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, MYSURU	10	1+1	2	4
61. GARDEN CITY UNIVERSITY, BENGALURU	25	2+1	6	9
62. GITAM SCHOOL OF TECHNOLOGY, BENGALURU RURAL	3			
63. GLOBAL ACADEMY OF TECHNOLOGY, BENGALURU	17	3+1	2	6
64. GOPALAN COLLEGE OF ENGINEERING AND MANAGEMENT, BENGALURU	4		3	3
65. GURU NANAK DEV ENGINEERING COLLEGE, BIDAR	21	3	1+2	6
66. H.K.B.K. COLLEGE OF ENGINEERING, BENGALURU	11	2	2	4
67. H.K.E SOCIETY'S SIR M. VISVESVARAYA COLLEGE OF ENGINEERING, RAICHUR	1	1		1
68. HIRASUGAR INSTITUTE OF TECHNOLOGY, BELAGAVI	9	1	1	2
69. INDIAN ACADEMY DEGREE COLLEGE (AUTONOMOUS), BENGALURU	3	1		1
70. INDUS BUSINESS ACADEMY, BENGALURU	1			
71. J.S.S. ACADEMY OF TECHNICAL EDUCATION, BENGALURU	10	1	1	2
72. J.S.S. SCIENCE AND TECHNOLOGY UNIVERSITY, MYSURU	11	1	2	3
73. JAIN (DEEMED - TO - BE UNIVERSITY), SCHOOL OF SCIENCES, J.C ROAD, BENGALURU	3	1		1
74. JAIN (DEEMED-TO-BE UNIVERSITY), BENGALURU SOUTH	2	1		1
75. JAIN COLLEGE OF ENGINEERING AND RESEARCH, BELAGAVI	3	1		1
76. JAIN COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBBALLI	5	1	3	4
77. JAIN COLLEGE OF ENGINEERING, BELAGAVI	8		1	1
78. JAIN INSTITUTE OF TECHNOLOGY, DAVANAGERE	6	1	1	2
79. JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA	11	1	1+1	3
80. JYOTHY INSTITUTE OF TECHNOLOGY, BENGALURU	8	1	1	2
81. JYOTI NIVAS COLLEGE AUTONOMOUS, BENGALURU	2			
82. K.L.E. COLLEGE OF ENGINEERING AND TECHNOLOGY, CHIKKODI	8		1	1
83. K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI	4	1	2	3
84. K.L.E'S P.C. JABIN SCIENCE COLLEGE, HUBBALLI	2	1		1
85. K.L.S. GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELAGAVI	6		2	2
86. K.L.S. VISHWANATHRAO DESHPANDE INSTITUTE OF TECHNOLOGY, HALIYAL, UTTARA KANNADA	5	1		1
87. K.S. INSTITUTE OF TECHNOLOGY, BENGALURU	4		1+1	2
88. K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU	8		2+3	5
89. K.V.G. COLLEGE OF ENGINEERING, SULLIA, DAKSHINA KANNADA	3		1	1
90. KALPATARU INSTITUTE OF TECHNOLOGY, TUMAKURU	2			
91. KARNATAK ARTS SCIENCE AND COMMERCE COLLEGE, BIDAR	1	1		1
92. KARNATAK UNIVERSITY, DHARWAD	1			

Name of the Institution	Total Projects Sanctioned	Projects Selected for Poster Presentation (A)	Projects Selected for Exhibit project (B)	Total No. of projects Selected for Poster and Exhibition (A+B)
93. KARNATAKA STATE AKKAMAHADEVI WOMEN UNIVERSITY, VIJAYAPURA	1			
94. KHAJA BANDANAWAZ UNIVERSITY, KALABURGI	1		1	1
95. KITTUR RANI CHANNAMMA COLLEGE OF HORTICULTURE, BELAGAVI	1			
96. KNS INSTITUTE OF TECHNOLOGY, BENGALURU	2		2	2
97. KRISTU JAYANTI (DEEMED TO BE UNIVERSITY), BENGALURU	2			
98. LINGARAJAPPA ENGINEERING COLLEGE, BIDAR	4			
99. M.S. ENGINEERING COLLEGE, BENGALURU	4			
100. M.S. RAMAIAH COLLEGE OF ARTS SCIENCE AND COMMERCE, BENGALURU	4	1		1
101. M.S. RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU	4	1		1
102. M.S. RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU	14	2	2+1	5
103. M.V.J. COLLEGE OF ENGINEERING, BENGALURU	5		1	1
104. MAHARAJA INSTITUTE OF TECHNOLOGY THANDAVAPURA	6	3		3
105. MAHARANI LAKSHMI AMMANI COLLEGE FOR WOMEN (AUTONOMOUS), BENGALURU	4	1		1
106. MALNAD COLLEGE OF ENGINEERING, HASSAN	4		2	2
107. MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOOBBIDRI	21	2+1	4+1	8
108. MARATHA MANDAL'S ENGINEERING COLLEGE, BELAGAVI	1		1	1
109. MOUNT CARMEL COLLEGE AUTONOMOUS, BENGALURU	4			
110. N.M.A.M. INSTITUTE OF TECHNOLOGY, NITTE	3			
111. N.M.K.R.V. COLLEGE, BENGALURU	2			
112. NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU	4		1	1
113. NAGARJUNA COLLEGE OF MANAGEMENT STUDIES, CHIKKABALLAPURA	3		1	1
114. NAVKIS COLLEGE OF ENGINEERING, HASSAN	5			
115. NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU	46	2+2	5+4	13
116. NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU	25	3+1	5+1	9
117. P.A. COLLEGE OF ENGINEERING, MANGALURU	1		1	1
118. P.D.A. COLLEGE OF ENGINEERING, KALABURAGI	2			
119. P.E.S. COLLEGE OF ENGINEERING, MANDYA	9	1		1
120. P.E.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA	11	2		2
121. P.E.S. UNIVERSITY, BENGALURU	4	1	2	3
122. PRESIDENCY UNIVERSITY, BENGALURU	1			
123. PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSAPETE	1			
124. R.L. JALAPPA INSTITUTE OF TECHNOLOGY, DODDABALLAPURA, BENGALURU RURAL	4	1	2	3
125. R.R. INSTITUTE OF TECHNOLOGY, BENGALURU	9	1	1	2
126. R.T.E. SOCIETY'S, RURAL ENGINEERING COLLEGE, HULKOTI, GADAG	7			

Name of the Institution	Total Projects Sanctioned	Projects Selected for Poster Presentation (A)	Projects Selected for Exhibit project (B)	Total No. of projects Selected for Poster and Exhibition (A+B)
127. R.V. COLLEGE OF ENGINEERING, BENGALURU	4	2	1	3
128. R.V. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BENGALURU	2	1		1
129. RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU	23	3	5+2	10
130. RAJEEV INSTITUTE OF TECHNOLOGY, HASSAN	15	2	1	3
131. RANI CHANNAMMA UNIVERSITY, BELAGAVI	1	1		1
132. RAO BAHADUR Y. MAHABALESWARAPPA ENGINEERING COLLEGE, BALLARI	2		1	1
133. REVA UNIVERSITY, BENGALURU	70	4+2	9+5	20
134. RNS FIRST GRADE COLLEGE, BENGALURU	1			
135. RNS INSTITUTE OF TECHNOLOGY, BENGALURU	7		2+1	3
136. S.D.M. COLLEGE OF BUSINESS MANAGEMENT, POST GRADUATE CENTRE FOR MANAGEMENT STUDIES & RESEARCH, MANGALURU	2			
137. S.D.M. COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD	7	1	2+1	4
138. S.D.M. INSTITUTE OF TECHNOLOGY, UJIRE	3			
139. S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU	5	1	1	2
140. S.E.A. COLLEGE OF SCIENCE, COMMERCE AND ARTS, BENGALURU	1	1		1
141. S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAVI	19	1+1	4	6
142. S.J.B. INSTITUTE OF TECHNOLOGY, BENGALURU	9		2	2
143. S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA	28	1+1	1	3
144. S.J.M. INSTITUTE OF TECHNOLOGY, CHITRADURGA	2		1	1
145. SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU	29	1	8+6	15
146. SAI VIDYA INSTITUTE OF TECHNOLOGY, BENGALURU	17	3	1	4
147. SAMBHRAM INSTITUTE OF TECHNOLOGY, BENGALURU	9	1	2	3
148. SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU	4			
149. SCHOOL OF APPLIED SCIENCE AND TECHNOLOGY B.L.D.E. (DEEMED TO BE UNIVERSITY), VIJAYAPURA	1	1		1
150. SECAB INSTITUTE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA	5		2	2
151. SHARNBASVA UNIVERSITY, KALABURAGI	23		3+1	4
152. SHETTY INSTITUTE OF TECHNOLOGY, KALABURAGI	3			
153. SHREE DEVI INSTITUTE OF TECHNOLOGY, MANGALURU	3	1		1
154. SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI	20	1	6+1	8
155. SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMAKURU	11	1	1	2
156. SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU	4	2		2
157. Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU	4	1	1	2
158. SMT. KAMALA AND SRI VENKAPPA M. AGADI COLLEGE OF ENGINEERING AND TECHNOLOGY, LAKSHMESHVAR, GADAG	6		1	1

Name of the Institution	Total Projects Sanctioned	Projects Selected for Poster Presentation (A)	Projects Selected for Exhibit project (B)	Total No. of projects Selected for Poster and Exhibition (A+B)
159. SRI KRISHNA INSTITUTE OF TECHNOLOGY, BENGALURU	1			
160. SRI SAIRAM COLLEGE OF ENGINEERING, BENGALURU	12		2	2
161. SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU	34	3+1	6	10
162. SRI TARALABALU JAGADGURU INSTITUTE OF TECHNOLOGY, HAVERI	1			
163. SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU	9		1	1
164. SRINIVAS INSTITUTE OF TECHNOLOGY, MANGALURU	11	1		1
165. SRINIVAS UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY, MUKKA, MANGALURU	14	1+2	1	4
166. St. JOSEPH ENGINEERING COLLEGE, MANGALURU	6		2	2
167. St. JOSEPH'S UNIVERSITY, BENGALURU	5	4+1		5
168. St. PHILOMENA'S COLLEGE (AUTONOMOUS), MYSURU	1	1		1
169. S-VYASA (DEEMED-TO-BE UNIVERSITY), BENGALURU	3			
170. T. JOHN INSTITUTE OF TECHNOLOGY, BENGALURU	2			
171. TERESIAN COLLEGE, MYSURU	2			
172. THE OXFORD COLLEGE OF ENGINEERING, BENGALURU	12		4	4
173. THE OXFORD COLLEGE OF SCIENCE, ARTS, COMMERCE & MANAGEMENT, BENGALURU	2	1		1
174. TONTADARYA COLLEGE OF ENGINEERING, GADAG	2			
175. UNIVERSITY COLLEGE OF SCIENCE, TUMKUR UNIVERSITY, TUMAKURU	2			
176. V.S.M'S SOMASHEKHAR R. KOTHIWALE INSTITUTE OF TECHNOLOGY, NIPANI, BELAGAVI	8	1	1	2
177. VAISIRI INSTITUTE OF MANAGEMENT AND TECH., TUMKURU	3	1		1
178. VEMANA INSTITUTE OF TECHNOLOGY, BENGALURU	5		3	3
179. VIDYA VIKAS INSTITUTE OF ENGINEERING & TECH., MYSURU	9	2	1	3
180. VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU	19	1	4	5
181. VIJAYA COLLEGE, BENGALURU	1			
182. VIJAYA VITTALA INSTITUTE OF TECHNOLOGY, BENGALURU	1			
183. VIJAYANAGARA SRIKRISHNADEVARAYA UNIVERSITY PG CENTER NANDIHALLI, SANDUR, BALLARI	1		1	1
184. VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR, DAKSHINA KANNADA	7	1	2	3
185. VIVEKANANDA INSTITUTE OF TECHNOLOGY, BENGALURU	3			
186. YENEOYA INSTITUTE OF TECHNOLOGY, MOODBIDRI, MANGALURU	8	1		1
Grand Total	1429	173	254	427

Note:

The projects highlighted in grey and red indicate the selected projects for Poster / Exhibition projects supported by ART-Park, IISc.

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Indian Institute of Science Campus, Bengaluru – 560 012

49th series of Student Project Programme (SPP): 2024-25

**Annual State-Level Poster Presentation and Exhibition to be held at
Adichunchanagiri University - BGS Institute of Technology, BG Nagara – 571448,
Nagamangala Taluk, Mandya District on 17 and 18 July 2026**

Branch-Wise List of projects selected for Poster presentation and Exhibition projects

Branch of Engineering / Science	Total Approved Proposals	Projects Selected for Poster Presentation	Projects Selected for Exhibit project	ART-PARK Sponsored Project selected for Poster Presentation	ART-PARK Sponsored Project selected for Exhibit project
1. AERONAUTICAL ENGINEERING	16	1	3		
2. AEROSPACE ENGINEERING	4	1			
3. AGRICULTURE ENGINEERING	4		1		
4. APPLIED GENETICS	1	1			
5. ARTIFICIAL INTELLIGENCE	3	1		1	
6. ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	48	5	1	5	1
7. ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	138	17	28	17	28
8. AUTOMOBILE ENGINEERING	1	1			
9. BIOCHEMISTRY	2		1		
10. BIOELECTRONICS, SCHOOL OF MULTIDISCIPLINARY STUDIES ECE (SOECE)	1		1		1
11. BIOINFORMATICS	2		1		
12. BIOLOGICAL SCIENCES	3	1			
13. BIOTECHNOLOGY	27	6	3		
14. BIOTECHNOLOGY AND MICROBIOLOGY	1	1			
15. BOTANY	3	1			
16. BUSINESS ANALYTICS	2	2			
17. CHEMICAL ENGINEERING	4	1	1		
18. CHEMISTRY	10	2			
19. CIVIL ENGINEERING	56	15	2		
20. COMPUTER AIDED DESIGN OF STRUCTURES	1	1			
21. COMPUTER APPLICATIONS	53	9	5	1	
22. COMPUTER ENGINEERING	1		1		1
23. COMPUTER SCIENCE	10	3	1	1	
24. COMPUTER SCIENCE AND BUSSINESS SYSTEM	3		1		
25. COMPUTER SCIENCE AND DESIGN	15		2		1
26. COMPUTER SCIENCE AND ENGINEERING	80	5	11		3

Branch of Engineering / Science	Total Approved Proposals	Projects Selected for Poster Presentation	Projects Selected for Exhibit project	ART-PARK Sponsored Project selected for Poster Presentation	ART-PARK Sponsored Project selected for Exhibit project
27. COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	2		1		1
28. COMPUTER SCIENCE AND ENGINEERING	237	25	53	11	8
29. COMPUTER SCIENCE AND ENGINEERING - AI AND DATA SCIENCE	1		1		1
30. COMPUTER SCIENCE AND ENGINEERING (AI & ML)	2		1		1
31. COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	22	3	3	2	3
32. COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	11	1	2		
33. COMPUTER SCIENCE AND ENGINEERING(DATA SCIENCE)	1		1		1
34. DATA SCIENCE	3	1		1	
35. ELECTRICAL AND ELECTRONICS ENGINEERING	80	2	21		
36. ELECTRONICS AND COMMUNICATION ENGINEERING	197	22	36	3	1
37. ELECTRONICS AND INSTRUMENTATION ENGINEERING	6	1	2		
38. ELECTRONICS AND TELECOMMUNICATION ENGINEERING	9	1	2		
39. FACULTY OF MANAGEMENT AND COMMERCE	1	1			
40. FINANCE AND HUMAN RESOURCE	2	1			
41. FINANCE MANAGEMENT AND BUSINESS ANALYTICS	2	1			
42. FINANCE, MARKETING AND HUMAN RESOURCES	2		1		
43. FLORICULTURE AND LANDSCAPING	1	1			
44. FOOD SCIENCE AND TECHNOLOGY	2	1			
45. GENERAL CHEMISTRY	1	1			
46. GENETICS & PLANT BREEDING	1	1			
47. INDUSTRIAL AND PRODUCTION ENGINEERING	1		1		
48. INFORMATION SCIENCE AND ENGINEERING	144	15	23	2	4
49. INTERDISCIPLINARY	1		1		
50. LIFE SCIENCES	2		2		
51. MANAGEMENT STUDIES	6	2	1		
52. MARINE ENGINEERING	1	1			
53. MARKETING AND FINANCE	1	1			
54. MASTER OF BUSINESS ADMINISTRATION	26	5	3		
55. MECHANICAL / MECHATRONICS ENGINEERING	1		1		

Branch of Engineering / Science	Total Approved Proposals	Projects Selected for Poster Presentation	Projects Selected for Exhibit project	ART-PARK Sponsored Project selected for Poster Presentation	ART-PARK Sponsored Project selected for Exhibit project
56. MECHANICAL ENGINEERING	63	7	14		
57. MECHANICAL ENGINEERING & MECHATRONICS ENGINEERING	1	1		1	
58. MECHANICAL ENGINEERING / MECHATRONICS ENGINEERING	1		1		
59. MECHATRONICS / MECHANICAL ENGINEERING	1		1		
60. MECHATRONICS ENGINEERING	5		3		
61. MEDICAL ELECTRONICS	3		1		
62. MEDICAL ELECTRONICS ENGINEERING	1		1		
63. MICROBIOLOGY	5	1			
64. MINERAL PROCESSING	1		1		
65. RENEWABLE ENERGY	1		1		
66. ROBOTICS AND AI	2		1		1
67. ROBOTICS AND AUTOMATION	13	2	7	2	7
68. ROBOTICS AND MECHATRONICS	3		2		2
69. STRUCTURAL ENGINEERING	3	1			
70. VLSI DESIGN AND EMBEDDED SYSTEMS	3		1		
71. ZOOLOGY	2		1		
Grand Total	1363	173	254	47	65

48th series of Student Project Programme (SPP): 2024-25

Annual State-Level Poster Presentation and Exhibition to be held at
Adichunchanagiri University - BGS Institute of Technology, BG Nagara – 571448, Nagamangala
Taluk, Mandya District on 17 and 18 July 2026

College-Wise List of ART-Park, IISc supported projects selected for Poster presentation and
Exhibition projects

Name of the Institution	ART-PARK Sponsored Project selected for Poster Presentation	ART-PARK Sponsored Project selected for Exhibit project	Total No. of Projects Selected for Poster / Exhibit
1. A.M.C. ENGINEERING COLLEGE, BENGALURU		5	5
2. ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU	1		1
3. ALLIANCE UNIVERSITY, BENGALURU		1	1
4. ATRIA INSTITUTE OF TECHNOLOGY, BENGALURU	1		1
5. B.G.S COLLEGE OF ENGINEERING & TECHNOLOGY, BENGALURU	1	1	2
6. B.G.S. INSTITUTE OF TECHNOLOGY, MANDYA		1	1
7. B.L.D.E.A'S V.P. DR. P.G.HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA		1	1
8. B.N.M. INSTITUTE OF TECHNOLOGY, BENGALURU		2	2
9. BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BALLARI	1	1	2
10. BANGALORE INSTITUTE OF TECHNOLOGY, BENGALURU		1	1
11. BANGALORE TECHNOLOGICAL INSTITUTE, BENGALURU		3	3
12. BEARYS INSTITUTE OF TECHNOLOGY, MANGALURU	1		1
13. C.M.R. INSTITUTE OF TECHNOLOGY, BENGALURU	1		1
14. CAMBRIDGE INSTITUTE OF TECHNOLOGY, K.R. PURAM, BENGALURU		1	1
15. CANARA ENGINEERING COLLEGE, MANGALURU	1		1
16. CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, TUMAKURU	1		1
17. CHRIST DEEMED TO BE UNIVERSITY, KENGERI CAMPUS, BENGALURU	1	2	3
18. DAVANGERE UNIVERSITY, DAVANAGERE	2		2
19. DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT, BENGALURU		2	2
20. DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	5		5
21. DAYANANDA SAGAR UNIVERSITY, BENGALURU SOUTH		1	1

Name of the Institution	ART-PARK Sponsored Project selected for Poster Presentation	ART-PARK Sponsored Project selected for Exhibit project	Total No. of Projects Selected for Poster / Exhibit
22. DON BOSCO INSTITUTE OF TECHNOLOGY, BENGALURU	1		1
23. Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BENGALURU	1		1
24. EAST POINT COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU	1	1	2
25. G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE		1	1
26. G.S.S.S. INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, MYSURU	1		1
27. GARDEN CITY UNIVERSITY, BENGALURU	1		1
28. GLOBAL ACADEMY OF TECHNOLOGY, BENGALURU	1		1
29. GURU NANAK DEV ENGINEERING COLLEGE, BIDAR		2	2
30. HIRASUGAR INSTITUTE OF TECHNOLOGY, BELAGAVI	1		1
31. J.S.S. SCIENCE AND TECHNOLOGY UNIVERSITY, MYSURU	1		1
32. JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA		1	1
33. JYOTHY INSTITUTE OF TECHNOLOGY, BENGALURU	1		1
34. K.L.S. GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELAGAVI		2	2
35. K.L.S. VISHWANATHRAO DESHPANDE INSTITUTE OF TECHNOLOGY, HALIYAL, UTTARA KANNADA	1		1
36. K.S. INSTITUTE OF TECHNOLOGY, BENGALURU		1	1
37. K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU		3	3
38. KHAJA BANDANAWAZ UNIVERSITY, KALABURGI		1	1
39. KNS INSTITUTE OF TECHNOLOGY, BENGALURU		2	2
40. M.S. RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU		1	1
41. MALNAD COLLEGE OF ENGINEERING, HASSAN		2	2
42. MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI	1	1	2
43. NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU		1	1
44. NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU	2	4	6
45. NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU	1	1	2
46. P.E.S. UNIVERSITY, BENGALURU	1		1

Name of the Institution	ART-PARK Sponsored Project selected for Poster Presentation	ART-PARK Sponsored Project selected for Exhibit project	Total No. of Projects Selected for Poster / Exhibit
47. R.L. JALAPPA INSTITUTE OF TECHNOLOGY, DODDABALLAPURA, BENGALURU RURAL	1		1
48. R.R. INSTITUTE OF TECHNOLOGY, BENGALURU	1		1
49. RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU	3	2	5
50. REVA UNIVERSITY, BENGALURU	2	5	7
51. RNS INSTITUTE OF TECHNOLOGY, BENGALURU		1	1
52. S.D.M. COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD		1	1
53. S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU		1	1
54. S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAVI	1		1
55. S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA	1		1
56. SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU		6	6
57. SAMBHRAM INSTITUTE OF TECHNOLOGY, BENGALURU	1		1
58. SHARNBASVA UNIVERSITY, KALABURAGI		1	1
59. SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI		1	1
60. SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU	1		1
61. SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU		1	1
62. SRINIVAS UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY, MUKKA, MANGALURU	2		2
63. St. JOSEPH'S UNIVERSITY, BENGALURU	1		1
64. VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU	1		1
65. YENEPOYA INSTITUTE OF TECHNOLOGY, MOODBIDRI, MANGALURU	1		1
Grand Total	47	65	112

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012
Website: www.kscst.org.in || Email: spp@kscst.org.in || Tel: 080-2334 1652,2334 8848/49/40

48th series of Student Project Programme (SPP): 2024-25

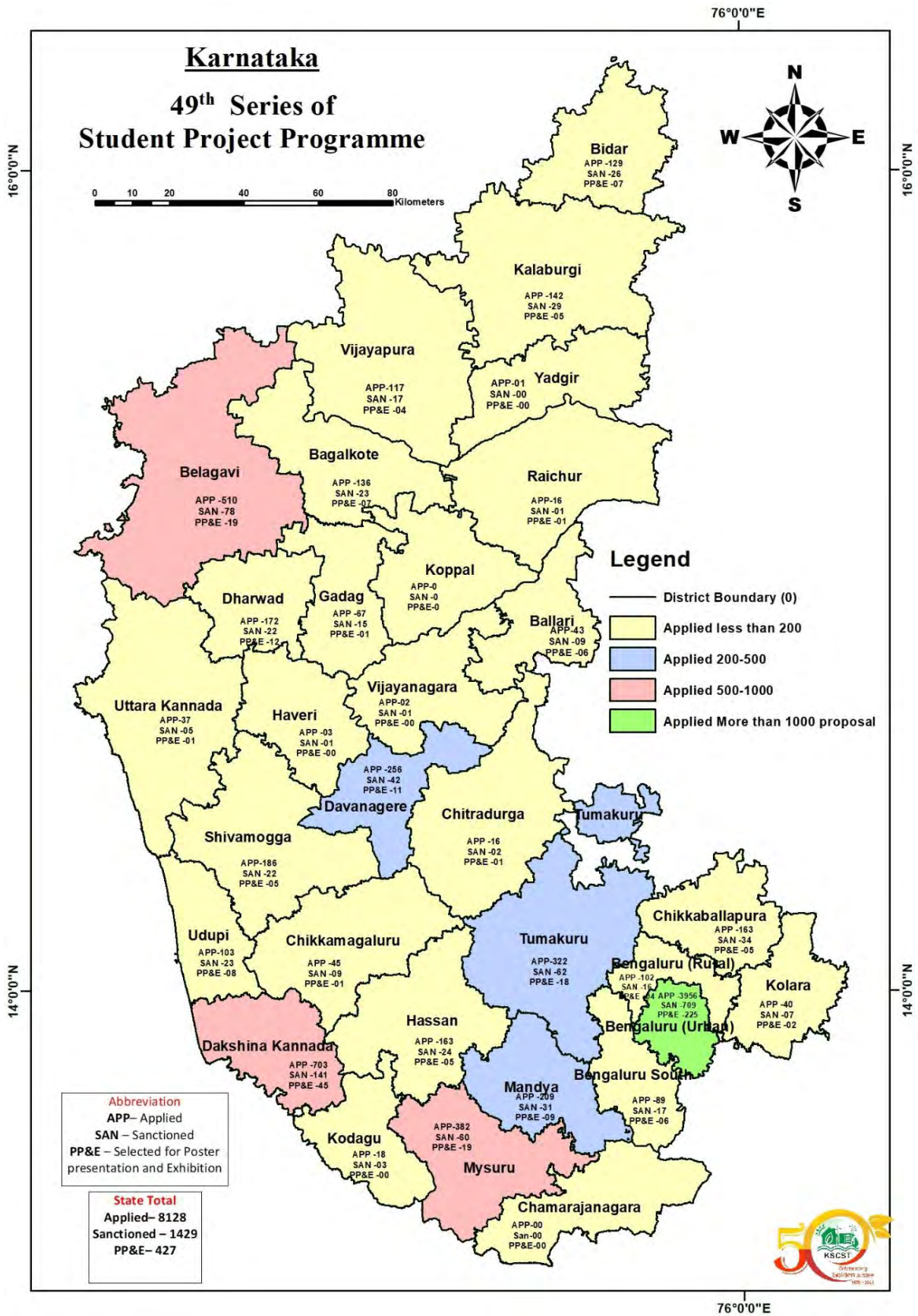
Annual State-Level Poster Presentation and Exhibition to be held at
Jawaharlal Nehru New College of Engineering (JNNCE), Shivamogga on 1 and 2 August 2025

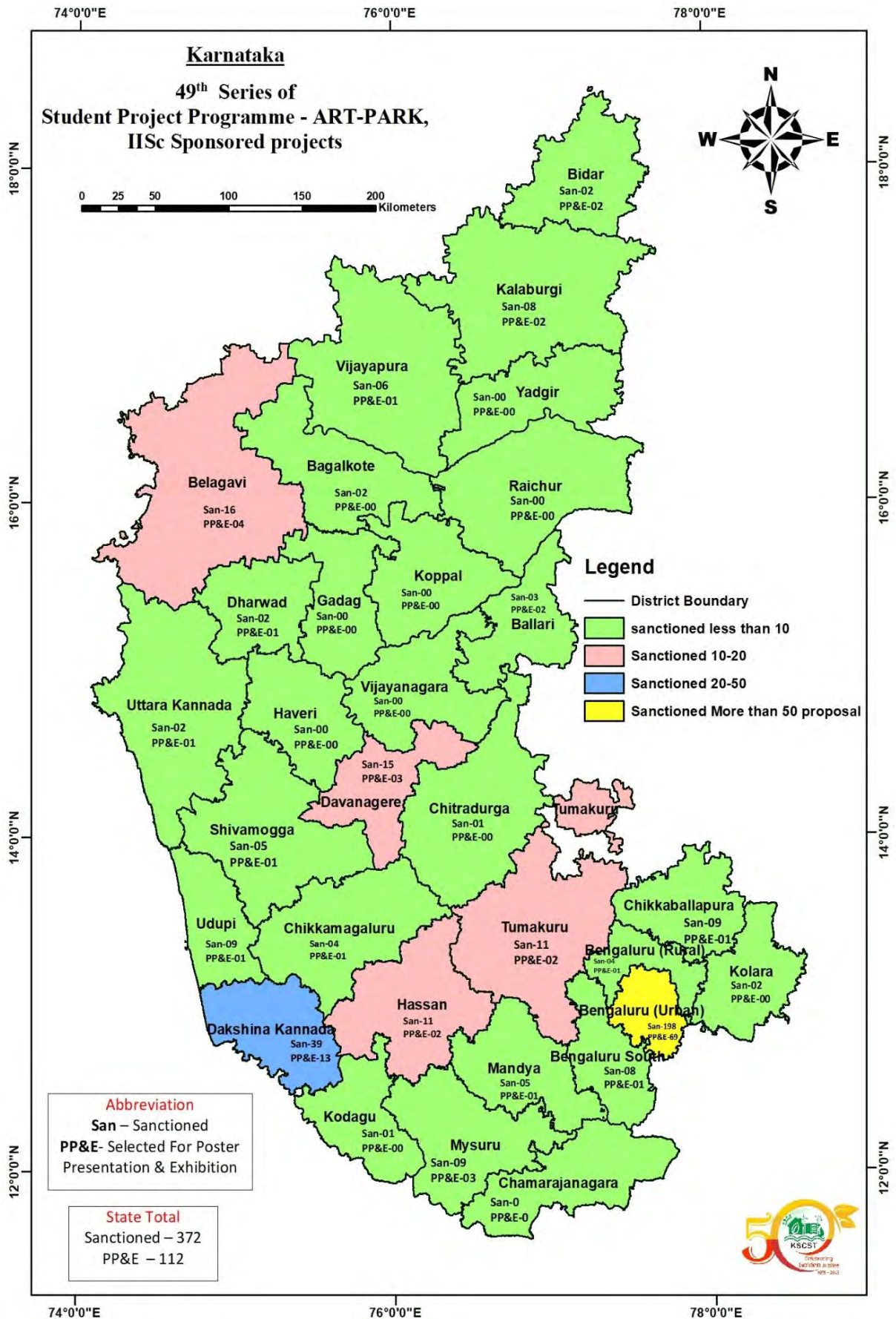
Branch-Wise List of ART-Park, IISc supported projects selected for Poster presentation and
Exhibition projects

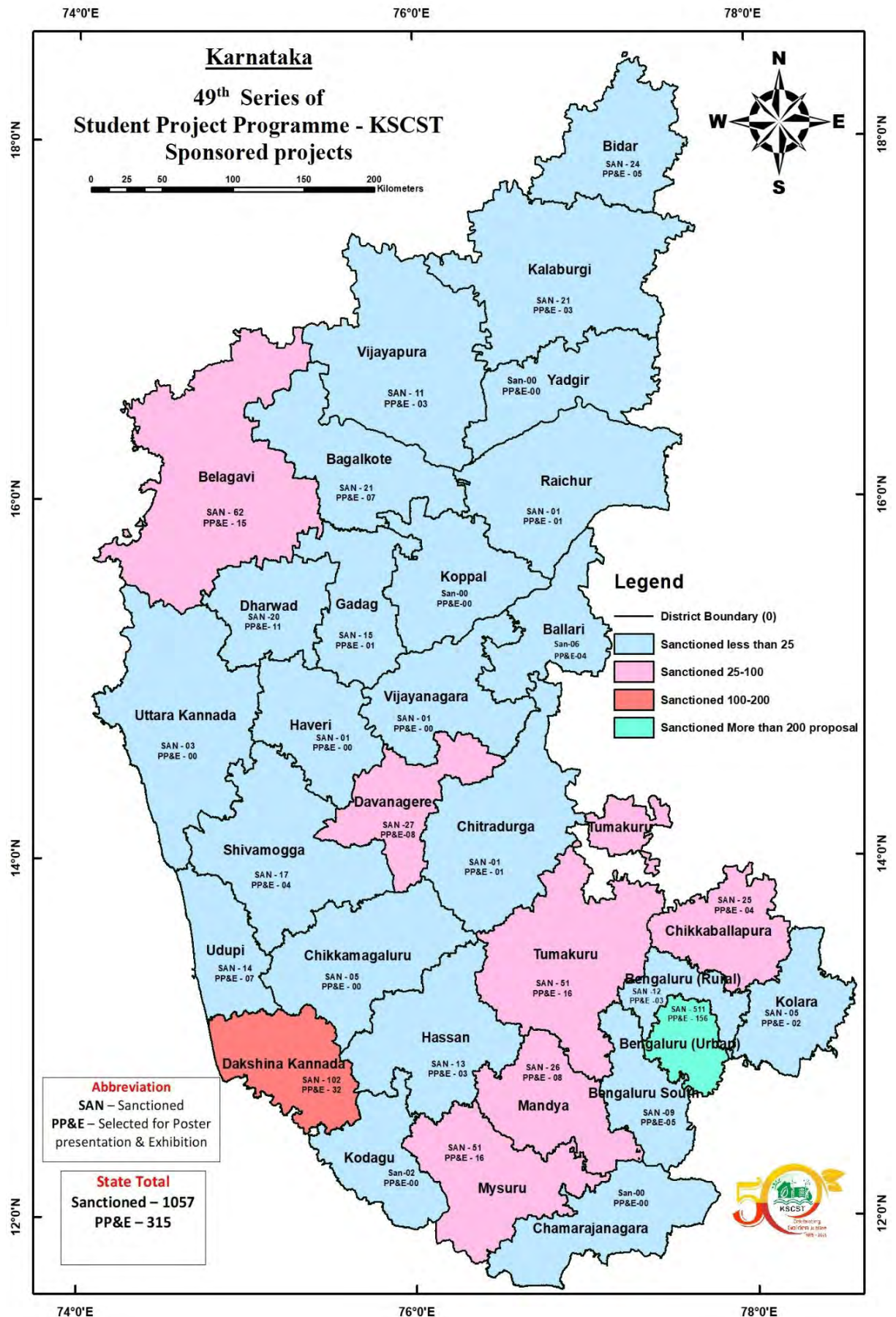
BRANCH OF ENGINEERING / SCIENCE	PROJECTS SPONSORED BY ART PARK, IISc	ART-PARK Sponsored Project selected for Poster Presentation	ART-PARK Sponsored Project selected for Exhibit project
1. ARTIFICIAL INTELLIGENCE	3	1	
2. ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	48	5	1
3. ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	138	17	28
4. ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING, AERONAUTICAL ENGINEERING, IOT & CSBT	1		
5. BIOELECTRONICS, SCHOOL OF MULTIDISCIPLINARY STUDIES ECE (SOECE)	1		1
6. BIOTECHNOLOGY	1		
7. COMPUTER APPLICATIONS	8	1	
8. COMPUTER ENGINEERING	1		1
9. COMPUTER NETWORKING	1		
10. COMPUTER SCIENCE	1	1	
11. COMPUTER SCIENCE AND BUSSINESS SYSTEM	1		
12. COMPUTER SCIENCE AND BUSSINESS SYSTEMS	1		
13. COMPUTER SCIENCE AND DESIGN	2		1
14. COMPUTER SCIENCE AND ENGINEERING	17		3
15. COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	1		1
16. COMPUTER SCIENCE AND ENGINEERING	57	11	8
17. COMPUTER SCIENCE AND ENGINEERING - AI AND DATA SCIENCE	1		1
18. COMPUTER SCIENCE AND ENGINEERING (AI & ML)	2		1
19. COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	20	2	3
20. COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	1		

21. COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE)	1		
22. COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	1		1
23. COMPUTER SCIENCE AND ENGINEERING	1		
24. COMPUTER SCIENCE AND INFORMATION TECHNOLOGY	1		
25. CSE (DATA SCIENCE), CSE (ARTIFICIAL INTELLIGENCE), IS & E, CSE	1		
26. DATA SCIENCE	3	1	
27. DATA SCIENCE AND ANALYTICS	1		
28. ELECTRICAL AND ELECTRONICS ENGINEERING	1		
29. ELECTRONICS AND COMMUNICATION ENGINEERING	9	3	1
30. GENETICS	1		
31. INFORMATION SCIENCE AND ENGINEERING	25	2	4
32. MECHANICAL ENGINEERING & MECHATRONICS ENGINEERING	1	1	
33. MEDICAL ELECTRONICS	1		
34. ROBOTICS AND AI	2		1
35. ROBOTICS AND AUTOMATION	13	2	7
36. ROBOTICS AND MECHATRONICS	3		2
37. TRANSPORTATION ENGINEERING	1		
Grand Total	372	47	65

Representation of statistics of 49th series Student Project Programme







Karnataka State Council for Science and Technology

Indian Institute of Science campus, Bengaluru

Experts List for 49th series Student Project Programme (SPP)

Indian Institute of Science, Bengaluru

Sl. No.	Name	Designation & Department
1.	Prof. Mohan Rao G	Professor, Department of Instrumentation and Applied Physics
2.	Prof. Venkatarama Reddy B. V.	Former Professor & Chairman, Civil Engineering
3.	Prof. Praveen C. Ramamurthy	Professor, Department of Materials Engineering
4.	Prof. T. Srinivas	Associate Professor, Department of Electrical Communication Engineering
5.	Prof. Pramod Kumar	Associate Professor, Department of Mechanical Engineering
6.	Prof. Varsha Singh	Associate Professor, Department of Developmental Biology & Genetics (formerly MRDG)
7.	Prof. Lakshminarayana Rao	Associate Professor, Centre for Sustainable Technologies
8.	Prof. Srimonta Gayen	Associate Professor, Developmental Biology and Genetics
9.	Dr. U. Chandini	Assistant Professor, Instrumentation and Applied Physics
10.	Dr. Ankur Chauhan	Assistant Professor, Department of Materials Engineering
11.	Dr. Jayaprakash	Assistant Professor, Instrumentation and Applied Physics
12.	Dr. Manukumara Manjappa	Assistant Professor, Instrumentation and Applied Physics
13.	Dr. Ravi Raju	Chief Research Scientist, Department of Materials Engineering
14.	Dr. B. Subba Reddy	Chief Research Scientist, High Voltage Laboratory, Department of Electrical Engineering
15.	Dr. Raghuveer Rao P.	Principal Research Scientist, Department of Civil Engineering
16.	Dr. P. Balachandra	Principal Research Scientist, Department of Management Studies
17.	Dr. Ravindranath H. Aladakatti	Principal Research Scientist, Central Animal Facility
18.	Dr. Chalapathi Rao N. V.	Former Principal Research Scientist, Department of Electronic Systems Engineering
19.	Dr. Krishna Kumar M.	Former Principal Research Scientist, Department of Electronic Systems Engineering
20.	Dr. Mudakavi J. R.	Former Chief Research Scientist, Department of Chemical Engineering
21.	Dr. Shenoy U. J.	Former Chief Research Scientist, Department of Electrical Engineering

Talent Development Centre, Indian Institute of Science, Challakere campus

Sl. No.	Name	Designation & Department
1.	Dr. S. Aravinda	Coordinator in Biology Indian Institute of Science, Challakere, Chitradurga
2.	Dr. Mohammad Mushaf	Institute of Eminence Teaching Fellow Indian Institute of Science, Challakere, Chitradurga
3.	Dr. Raghavendra Ramappa	IOE-Teaching Faculty, TDC, IISc Challakere

CSIR - National Aerospace Laboratories (NAL), Bengaluru

Sl. No.	Name	Designation
1.	Dr. Kota Solomon Raju	Chief Scientist & Head, Information and Communications Technology Division (ICTD), CSIR - NAL
2.	Dr. V. P.S. Naidu	Chief Scientist & Professor (AcSIR), Multi-Sensor Data Fusion Lab, CSIR - NAL
3.	Dr. Sivasubba Rao P	Senior Principal Scientist, Structural Technological Division, CSIR - NAL
4.	Dr. Chakradhar R P S	Principal Scientist, Surface Engineering Division, NAL
5.	Dr. Panbarasu K	Principal Technical Officer, Structural Integrity Division, CSIR - NAL
6.	Dr. J. Raju Iyer	Former Senior Principal Scientist, and Head, EBU, Structures Division, NAL

Other R & D Institutions and Private establishments

Sl. No.	Name	Designation and Institute
1.	Shri. Arun Kumar J. G.	Joint Director & Group Head, Product Design and Engineering, Central Manufacturing Technology Institute (CMTI), Bengaluru
2.	Shri. Pavan N.	Scientist – D, Product Design and Engineering Department, CMTI
3.	Dr. Venugopal B. V.	Former Technical Expert, Central Manufacturing Technology Institute (CMTI), Bengaluru
4.	Dr. B. Shambulingappa	Associate Professor, Department of Management Studies, VTU's Centre for PG Studies, Kalaburagi
5.	Dr. Arulalan M. R.	Former Assistant Professor, Department of Electronics & Communication Engineering, NITK, Surathkal, Mangalore
6.	Dr. Manisha D. Mujumdar	Technical Engineer, Bengaluru
7.	Shri. Narasimhan S. M.	Technical Expert, Mysuru
8.	Dr. Ashok Rao	Technical Expert, Mysuru
9.	Dr. Dayananda G. N.	Project Consultant, Karnataka State Bioenergy Development Board, Government of Karnataka

Karnataka State Council for Science and Technology (KSCST) – Key Personnel

Sl. No.	Name	Designation
1.	Prof. Ashok M. Raichur	Secretary, KSCST and Professor, Department of Materials Engineering, IISc.
2.	Mr. Venkatesh K. N.	Senior Project Engineer
3.	Mrs. Anjani	Project Engineer
4.	Mr. M. Nagaraja Rao	Project Engineer

* ~ ~ *

**SYNOPSIS OF
PROJECTS AWARDED
UNDER THE
49TH SERIES OF SPP**

1. DESIGN AND DEVELOPMENT OF VERTICAL TAKE-OFF AND LANDING UNMANNED AERIAL VEHICLE FOR AIR QUALITY INDEX

Project Reference No.: 49S_BE_4872

College : M. S. Ramaiah University of Applied Sciences, Bengaluru

Branch : Aerospace Engineering

Guide(s) : Mr. Rajashekhareddy H G and Mr. M Ananda Murugan

Students : Mr. J J Eswar, Mr. Chethan C R and Mr. Yashas Gowda M

Keywords:

VTOL; UAV; Air Quality Index Monitoring; Particulate Sensors; Aerodynamic Design; Environmental Monitoring.

Introduction:

Every year, air pollution causes millions of premature deaths, making it a serious environmental and public health concern, especially in India's urban areas. Fixed ground-based stations, which are costly, widely dispersed, and unable to record spatial and vertical fluctuations in pollutant concentrations, are the foundation of conventional air quality monitoring systems.

The identification of pollution hotspots, vertical pollutant gradients, and real-time environmental fluctuations is limited by these constraints. A versatile and affordable substitute is provided by UAV-based monitoring systems, which allow for dynamic data collection at various heights and locations.

However, traditional UAVs have drawbacks such low endurance (multirotor UAVs) or inability to take off vertically (fixed-wing UAVs). This project focuses on a Vertical Take-Off and Landing (VTOL) UAV that combines the benefits of both designs in order to get around these limitations.

Using integrated sensors, the system is intended to measure important pollutants as PM_{2.5}, PM₁₀, NO₂, O₃, CO, and H₂S. It makes altitude-resolved, GPS-based, real-time AQI monitoring possible.

By providing three-dimensional mapping of air quality, this method greatly improves environmental monitoring and is appropriate for smart city applications, industrial monitoring, and urban pollution evaluation.

Objectives:

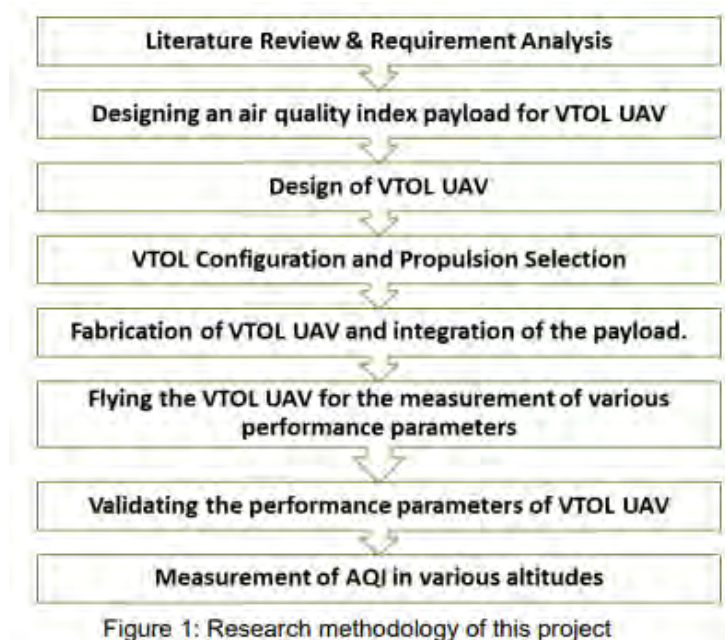
1. Create and implement a VTO
2. L UAV platform for environmental surveillance.
3. Combine multiple sensors for PM_{2.5}, PM₁₀, CO, NO₂, O₃, and H₂S.
4. GPS-based tracking allows for real-time data collection.
5. Analyse flying parameters and aerodynamic performance.
6. Collect and analyse altitude-based AQI data
7. Create a scalable and affordable monitoring system.

Methodology:

The figure 1 illustrates the systematic approach adopted in the design of the VTOL UAV for AQI measurement. The systematic approach adopted involves a literature review and analysis of requirements to determine system constraints and specifications.

The requirements are then used to design an AQI sensing payload, which is integrated into the UAV. This is followed by the aerodynamic and structural design of the VTOL UAV, as well as the configuration and propulsion system design to satisfy the requirements of the VTOL UAV during hover and cruise flight.

The UAV is then manufactured and assembled, and experimental flight tests are conducted to determine the key performance parameters of the UAV, such as thrust, power, and endurance. The results are then validated by predictions and finally used to determine air quality measurements at different altitudes.



Result and conclusion:

In conclusion, the prototype VTOL UAV was successfully constructed and tested. Although some flight controller adjustment was necessary during early experiments to ensure stable performance and to test for the transition phase and cruise conditions, the system was able to execute a vertical take-off and steady hover, under controlled outdoor conditions.

Particulate matter (PM_{2.5}, PM₁₀) and gaseous pollutants (NO₂, O₃, CO, H₂S) were effectively recorded by the integrated AQI sensor module. The collected data in table 2, shows clear trends rather than exact absolute accuracy, which is expected from low-cost sensors. Following calibration, the data showed minimal variations from ground-level reference values caused by external factors such as wind, changes in temperature, and sensor response delays.

The change in pollutant concentration with altitude was one of the most important findings. While some gaseous pollutants exhibited non-linear tendencies, particulate matter levels were often higher close to the ground and declined with altitude. This demonstrates the significance of vertical profiling, which is impossible to obtain with conventional ground stations.

2. EXPLAINABLE REAL-TIME CNN-VIT MODEL FOR MULTISPECTRAL CROP STRESS DETECTION IN PRECISION AGRICULTURE

Project Reference No.: 49S_BE_0787

College : Christ Deemed to be University, Kengeri Campus, Bengaluru

Branch : Artificial Intelligence and Machine Learning

Guide(s) : Dr. Manjunatha Swamy C

Student(s) : Mr. Aldrin P Thomas, Mr. Muhamed Nabhan and Mr. Sanyu Reji Kuriakose

Keywords:

Precision Agriculture, Crop Stress Detection, Vision Transformer, Convolutional Neural Network, Explainable AI, Sentinel-2.

Introduction:

Agriculture plays a crucial role in ensuring food security and economic stability, especially in developing countries like India. However, crop productivity is significantly affected by environmental stress factors such as drought, nutrient deficiency, pest infestation, and water imbalance. Traditional crop monitoring methods rely heavily on manual field inspections, which are time-consuming, labor-intensive, and not scalable for large agricultural areas. Recent advancements in remote sensing and artificial intelligence have enabled automated crop health monitoring using satellite imagery and deep learning models. Sentinel-2 multispectral imagery provides valuable spectral information across visible, near-infrared (NIR), and short-wave infrared (SWIR) bands, allowing computation of vegetation indices such as NDVI, NDWI, NDRE, and MSI. These indices help in detecting vegetation vigor, chlorophyll content, and water stress. Deep learning architectures such as Convolutional Neural Networks (CNNs) and Vision Transformers (ViTs) have demonstrated strong performance in image-based classification tasks. Integrating these models with multispectral satellite data creates an opportunity for scalable and intelligent precision agriculture systems.

Existing agricultural monitoring approaches either focus solely on satellite-based vegetation analysis or on plant-level disease detection, but rarely integrate both into a unified explainable framework. Furthermore, many AI models function as black boxes, limiting interpretability and adoption in real-world agricultural scenarios.

Objectives:

1. To analyze Sentinel-2 multispectral imagery and compute vegetation indices for crop health assessment.
2. To develop a Vision Transformer-based model for satellite-level crop stress detection.
3. To implement a CNN-based model for plant-level disease classification.
4. To integrate Explainable AI techniques such as Grad-CAM and attention visualization.
5. To deploy the system through a user-friendly web-based interface

Methodology:

This project follows a quantitative and experimental research methodology integrating remote sensing analytics, deep learning modeling, and explainable AI techniques for precision agriculture. The study combines multispectral satellite-based crop stress detection with plant-level disease classification and chatbot-assisted advisory support.

The overall framework consists of data acquisition, preprocessing, feature engineering, model development, optimization, evaluation, explainability integration, and deployment through a unified web-based system. The proposed methodology ensures both scientific rigor and real-world applicability.

Result and Conclusion:

The Vision Transformer model trained on multispectral satellite imagery achieved an overall classification accuracy of approximately 87% on the EuroSAT dataset. The CNN-based plant disease detection model achieved an accuracy of over 92% on the leaf image dataset.

This project successfully developed an explainable dual-model precision agriculture framework that integrates Vision Transformer–based multispectral satellite analysis with CNN-based plant disease detection. The proposed system combines large-scale crop stress monitoring with plant-level disease classification, creating a unified approach to agricultural health assessment. The Vision Transformer model effectively captured global spatial patterns from satellite imagery, while the CNN model accurately identified localized disease features in leaf images. The framework achieved strong classification performance across both tasks, supported by reliable accuracy, precision, recall, and F1-score metrics. Furthermore, the integration of Explainable AI techniques enhanced model transparency by highlighting critical regions influencing predictions, thereby improving interpretability and trustworthiness. In addition to strong model performance, the system demonstrated practical deployment feasibility through a user-friendly web-based interface enabling satellite area selection, vegetation index computation, and AI-assisted guidance. This deployment-oriented design illustrates the scalability and real-world applicability of the framework.

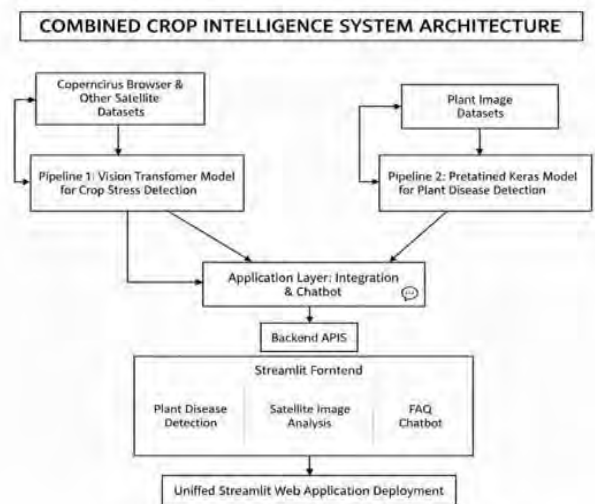


Figure 1: Combined Crop Intelligence System Architecture

3. AI-BASED LANDMARK DETECTION FOR CORRELATION OF UPPER PHARYNGEAL AIRWAY AND MANDIBULAR POSITION

Project Reference No.: 49S_BE_0036

College : Dayananda Sagar College of Engineering, Bengaluru

Branch : Artificial Intelligence & Machine Learning

Guide(s) : Prof. Ramya K and Dr. Prachi Kamble

Student(s) : Mr.Abhay Vijay Goudar, Mr.Gurunathagouda M Biradar, Mr.Mohith Anand and Mr.Pratham Bhat

Keywords:

Deep Learning, Convolutional Neural Networks (CNN), U-Net, 3D U-Net, Heatmap-Based Landmark Detection, Medical Image Analysis, Cephalometric Analysis, Craniofacial Analysis,

Airway Segmentation, CBCT Imaging, Hybrid Segmentation-Regression Model, Landmark Localization, Skeletal Classification, Airway Measurement, Airway Volume Estimation, Correlation Analysis, Orthodontic Diagnosis, Clinical Decision Support System, FastAPI, React, Web-Based Medical Application, Image Preprocessing, QR Code System, Secure Authentication, Role-Based Access Control, Email Notification System, Chatbot Integration, Analytics Dashboard, Admin Panel, Patient Data Management, Cloud Integration, Explainable AI (XAI)

Introduction:

Cephalometric analysis plays a crucial role in orthodontics and craniofacial diagnosis, as it helps in evaluating the relationship between skeletal structures, dental alignment, and airway dimensions. Traditionally, this analysis is performed manually by clinicians, requiring precise identification of anatomical landmarks on lateral cephalometric radiographs. However, manual landmark detection is time-consuming, prone to inter-observer variability, and dependent on clinical expertise.

With the advancement of artificial intelligence, particularly deep learning, automated approaches have emerged to improve the accuracy and efficiency of cephalometric analysis. Deep learning models such as convolutional neural networks (CNNs) and U-Net architectures have demonstrated strong performance in medical image analysis tasks, including landmark detection and segmentation.

In addition to skeletal analysis, the evaluation of the upper pharyngeal airway has gained significant importance, as airway dimensions are closely related to respiratory conditions and mandibular positioning. Conventional methods for airway assessment are often limited and lack integration with skeletal analysis.

This project proposes an AI-based system for automatic landmark detection and airway segmentation to analyze the correlation between upper pharyngeal airway dimensions and mandibular position. The system integrates a hybrid deep learning framework, combining heatmap-based U-Net for landmark detection, segmentation-assisted regression models for improved accuracy, and 3D U-Net for volumetric airway analysis.

The proposed approach aims to provide a fully automated pipeline that includes image preprocessing, landmark detection, airway segmentation, cephalometric angle computation, and correlation analysis. Additionally, an interactive interface allows manual refinement of landmarks to ensure clinical reliability.

By combining deep learning with clinical analysis, the system enhances diagnostic accuracy, reduces manual effort, and provides a comprehensive tool for orthodontic evaluation and treatment planning.

Objectives:

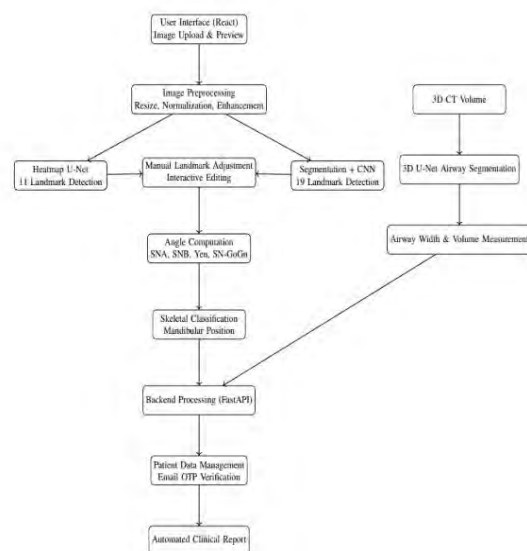
1. To develop a robust preprocessing pipeline for enhancing and standardizing lateral cephalometric X-ray images and CBCT volumetric data.
2. To design and implement a heatmap-based U-Net model for accurate detection of 11 key cephalometric landmarks using a custom dataset.
3. To develop a segmentation-assisted Convolutional Neural Network (CNN) model for detecting 19 anatomical landmarks with improved precision using publicly available datasets.
4. To integrate a hybrid segmentation-regression approach to enhance landmark localization accuracy by focusing on regions of interest.

5. To implement a 3D U-Net model for precise segmentation of the upper pharyngeal airway from CBCT volumetric data.
6. To compute important cephalometric angles such as SNA, SNB, ANB, SN-GoGn, and Yen angle for skeletal analysis.
7. To measure airway dimensions, including width and volume, from segmented airway regions.
8. To analyze the correlation between mandibular position and airway dimensions using computed parameters.
9. To develop an interactive user interface for visualization and manual adjustment of detected landmarks.
10. To design a backend system for efficient processing, data handling, and integration of deep learning models.
11. To generate automated clinical reports that assist in diagnosis and treatment planning.

Methodology:

The proposed system is designed as an integrated deep learning pipeline for automated cephalometric analysis and airway assessment. The methodology consists of multiple sequential stages, including data acquisition, preprocessing, landmark detection, airway segmentation, and clinical analysis.

Figure 1: Overall architecture of the proposed framework consisting of three pipelines: (1) heatmap-based U-Net for detecting 11 cephalometric landmarks, (2) segmentation-guided CNN for detecting 19 landmarks, and (3) 3D U-Net for airway segmentation and airway volume estimation.



Result and Conclusion:

The proposed system presents a comprehensive and automated solution for cephalometric analysis and airway assessment by integrating advanced deep learning techniques with clinical evaluation methods. The heatmap-based U-Net model achieved a Success Detection Rate (SDR) of **88.5% at a 4 mm threshold** for 11-landmark detection. The hybrid segmentation-regression model further improved performance, achieving an SDR of **92% at 4 mm** and a Mean Radial Error (MRE) of **1.05 mm**, which is comparable to human-level variability. For airway analysis, the 3D U-Net model achieved a Dice Similarity Coefficient of **0.96**, demonstrating high accuracy in volumetric segmentation.

Statistical analysis revealed a strong positive correlation between the SNB angle and airway dimensions ($r = 0.72$, $p < 0.001$) and a significant negative correlation between the ANB angle and airway space ($r = -0.66$), confirming the relationship between mandibular position and airway morphology.

Overall, the system successfully combines landmark detection, airway segmentation, and clinical analysis into a unified framework. It provides accurate, reliable, and clinically meaningful results, making it a valuable tool for orthodontic diagnosis and treatment planning. The integration of AI-driven automation with user interaction further enhances its practical applicability in real-world clinical environments.

4. SYNTHESIS OF BIOCOMPATIBLE FOLIC ACID-CARBON DOT NANOCONJUGATES TARGETING BAX/BCL-2 PATHWAY IN BREAST CANCER CELLS

Project Reference No.: 49S_MSC_0085

College : MS Ramaiah College of Arts, Science and Commerce, Bengaluru

Branch : Biotechnology

Guide(S) : Dr. Muktha H and Dr. Dileep Kumar M.G

Student(S): Mr. Abhishek Vasudev Balagopal, Ms. Ishika Jain, Ms. J. Madhuri and Ms. Madhumitha P

Keywords:

Carbon dots, Biosynthesis, Folic Acid, Anti-cancer, Therapeutics

Introduction:

Carbon dots (CDs), first reported in 2004, are <10 nm carbon-based nanoparticles with sp^2 domains, known for tunable optical/electronic properties, strong luminescence, low toxicity, and high stability, making them suitable for biomedical applications [1]. Annona reticulata (Ramphal), widely used in ayurveda, possesses antimicrobial, antioxidant, antidiabetic, anticancer and anti-inflammatory properties and serves as an economical green precursor for CD synthesis. In this study, Folic acid-conjugated CDs (FA-CDs) were synthesized via a hydrothermal method to enable receptor-mediated targeting of breast cancer cells and investigate apoptosis and angiogenesis pathways. Cancer involves uncontrolled cell proliferation and spread, where apoptosis plays a key role; the BAX/BCL2 ratio regulates this process [2]. The pro-apoptotic protein BAX induces cytochrome c release, forming the apoptosome with Apaf-1 and activating caspase-3 via caspase-9 [3]. This work evaluates folate receptor expression and compares FA-CD uptake with CDs using BAX/BCL2 RT-PCR, aiming to demonstrate selective targeting and improved therapeutic efficacy with reduced toxicity.

Objectives:

1. Develop an eco-friendly and cost-effective method for synthesizing carbon dots using bioactive compounds from Ramphal fruit.
2. Functionalize CDs with folic acid via a one-pot method to enhance targeted delivery to cancer cells.
3. Characterize synthesized CDs using UV-Vis, FTIR, TEM, SEM and PL analysis.
4. Evaluate anticancer activity in MCF-7 breast cancer cells by determining IC_{50} , cell migration and clonogenic potential.

5. Analyze apoptosis through AO/EtBr staining and gene expression of BAX and BCL-2 using RT-PCR.
6. Assess anti-inflammatory activity using a carrageenan-induced rat paw edema model.

Methodology:

A calculated amount of Ramphal fruit pulp was extracted and blended with 200 ml distilled water. To 55 ml of fruit extract, 5 ml of folic acid was mixed for one-pot synthesis of carbon dots. The mixture was subjected to hydrothermal treatment at 180°C for 5 hrs, followed by filtration, centrifugation and lyophilization. The resulting folic acid–carbon dot nanoconjugates were prepared efficiently through this green synthesis approach. Characterization was carried out using UV-Vis, FTIR, TEM, SEM and PL analysis to evaluate their properties. The cytotoxicity of the synthesized conjugated CDs was evaluated in MCF-7 cells using an MTT cell viability assay. Cells were seeded in 96-well plates and treated with varying concentrations of synthesized conjugated CDs and doxorubicin. After incubation, MTT solution was added to assess cell viability. The optical density was measured at 492 nm using Magellan software. Additionally, cell migration assay was performed to evaluate the ability of cells to migrate by measuring a closure of a scratch. In Vitro Anticancer Activity will also be evaluated through clonogenic assay. The mechanism of apoptosis and apoptotic stages will be evaluated by AO/EtBr staining and the mechanism of BAX/BCL-2 expression will be analyzed by the means of RT-PCR. Anti-inflammatory activity will be evaluated by using a carrageenan-induced rat paw edema model.



Figure 1: workflow of the methodology

Result and Conclusion:

The UV–Vis spectrum shows peaks at ~224 nm and ~282 nm with a visible tail, confirming carbon dot formation and folic acid functionalization. The FTIR spectrum shows typical functional groups in bare carbon dots, while enhanced peaks, shifts, and stronger bands (especially at 3200–3500 cm⁻¹ and ~1650 cm⁻¹) in folic acid-functionalized CDs, confirming successful surface modification and conjugation. TEM provided inference on internal structure at the nanometre scale ranging from 5-200 nm. MTT assay with varying FA-CDs concentrations showed reduced cell viability when compared to control, enabling IC₅₀ determination. The scratch assay results (0–48 hrs) showed substantial wound closure in control, moderate closure in cells treated with FA-CDs and minimal closure in doxorubicin-treated cells, indicating reduced migration. AO/EtBr staining revealed viable cells in control, early apoptosis in FA-CD treated cells and late apoptotic/necrotic cells in doxorubicin-treated samples, confirming apoptosis.

5. ASSESSMENT OF VITAMIN D RECEPTOR (VDR) GENE EXPRESSION IN GDM PATIENTS FROM NORTH KARNATAKA

Project Reference No.: 49S_MSC_0259

College : School of Applied Science and Technology BLDE (Deemed To Be University), Vijayapura

Branch : Microbiology and Biotechnology

Guide(s) : Dr.G.S.Kadakol

Student(s) : Ms. Supritaaski and Ms. Ruchita Kundargi

Keywords:

RNA isolation, cDNA library, qRT PCR, VDR gene.

Introduction:

Gestational Diabetes Mellitus (GDM) is a metabolic disorder resulting in glucose intolerance detected during pregnancy. This condition most commonly occurs during the second or third trimester as a result of increased insulin resistance and inadequate pancreatic β -cell response. GDM has emerged as a significant health challenge worldwide, especially in developing countries such as India. In India, the prevalence varies between 3% and 35%. Vitamin D plays a significant role in the regulation of insulin secretion and glucose metabolism. Vitamin D deficiency is commonly seen in pregnant women and is a risk factor for GDM. The human gene for VDR is located on the long arm of chromosome 12 and is designated as 12q13.11. The vitamin D effects are mediated by the Vitamin D Receptor (VDR), which is responsible for controlling the expression of genes. The VDR gene is implicated in metabolic pathways that affect insulin sensitivity and immune function. The altered expression of the VDR gene has also been found to influence insulin function, leading to glucose intolerance during pregnancy. It has been found that the expression of the VDR gene is associated with insulin resistance and dysfunction in β -cells.

Objectives:

1. Collecting blood samples from patients with GDM and normal individuals
2. Samples will be stored at 80°C
3. Extraction of RNA and conversion into cDNA
4. Quantification of VDR gene expression by qRT-PCR
5. Comparing the expression levels in patients and controls
6. Statistical analysis of the results
7. Investigating the relationship between VDR gene expression and GDM

Methodology:

Sample Collection: Blood samples will be collected in K₂ EDTA tubes from GDM and non-GDM patients and will be stored at -80 °C.

RNA Isolation:

1. Total RNA will be Isolated.
2. Assess RNA quantity and quality using multimode plate reader and agarose gel electrophoresis.

cDNA Synthesis: RNA will be converted to cDNA using reverse transcriptase with the Takara PrimeScript kit.

Gene Expression Analysis: Perform quantitative real-time PCR (qRT-PCR) targeting VDR mRNA.

Result and Conclusion:

1. Ethical clearance for the study has been obtained.
2. Collection of samples is in progress.
3. Primers for the VDR gene and the housekeeping gene have been ordered.
4. Standardization of the experimental protocols (RNA isolation, cDNA synthesis, qPCR) is in progress.

6. ECO DAVANAGERE: A VACUUM ASSISTED PIPELINE MODEL FOR EFFICIENT KITCHEN WASTE TO BIOGAS CONVERSION

Project Reference No.: 49S_MBA_0228

College : GM University, Davanagere

Branch : Business Analytics

Guide(s) : Dr. K Jagadeswari and Mr. Darshan B

Student(s) : Ms. Sakshi Awate, Mr. Prajwal K S and Ms. Sanjana Nikkam.

Keywords:

Biogas, Kitchen Waste Management, Vacuum Pipeline, Renewable Energy, Sustainable Waste System.

Introduction:

Urban areas like Davanagere generate a large amount of kitchen waste daily, which often ends up in landfills, causing environmental pollution and health hazards. Converting this organic waste into biogas is an effective and sustainable solution.

This project proposes a vacuum-assisted pipeline system that efficiently transports kitchen waste from households or collection points to a centralized biogas plant. The use of vacuum technology reduces manual handling, improves hygiene, and ensures faster waste transfer. This system aims to promote eco-friendly waste management while generating renewable energy in the form of biogas.

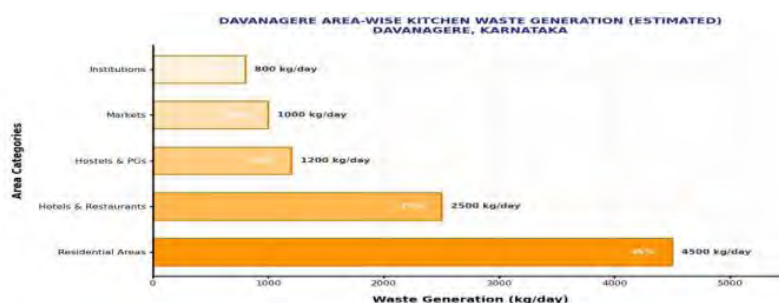


Figure 1.0: Area-wise Kitchen Waste Generation in Davanagere Estimated Source: Compiled by Authors

Objectives:

1. To assess the volume and composition of kitchen waste generated in Davangere.
2. To design and develop an underground vacuum-powered system for transporting kitchen waste through pipelines for biogas plant
3. To evaluate the feasibility and efficiency of implementing this waste transport model in Davangere.

Methodology:

The project involves designing a model where kitchen waste is collected through inlet points connected to a vacuum pipeline system. The vacuum pump creates suction that transports waste to a central processing unit.

At the processing unit, the waste is segregated and fed into an anaerobic digester. Microorganisms break down the organic waste in the absence of oxygen to produce biogas.

The system includes:

1. Waste inlet units for collecting kitchen waste
2. Vacuum pump and pipeline network for transportation
3. Storage tank for temporary waste storage
4. Anaerobic digester for biogas production
5. Biogas collection unit for energy storage

The model will be tested for efficiency, waste flow rate, and gas production

Result and Conclusion:

The proposed system is expected to improve the efficiency of kitchen waste collection and conversion into biogas. It reduces human effort, minimizes environmental pollution, and enhances hygiene.

In conclusion, the vacuum-assisted pipeline model provides a smart and sustainable solution for urban waste management and renewable energy generation, especially for cities like Davangere.

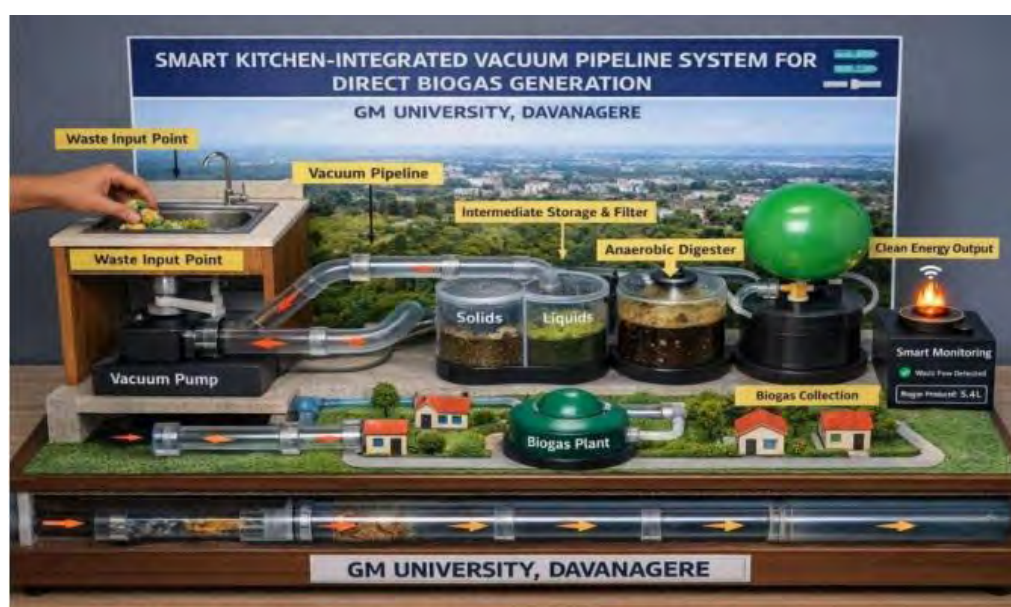


Figure 2.0: Vacuum-Assisted Pipeline System for Kitchen Waste to Biogas Conversion

7. DEVELOPMENT OF FUNCTIONALISED RICE STRAW CELLULOSE FOR FLUORIDE REMOVAL IN POTABLE WATER USING RESPONSE SURFACE METHODOLOGY

Project Reference No.: 49S_BE_5518

College : R.V. College of Engineering, Bengaluru

Branch : Chemical Engineering

Guide(S) : Dr. Jagadish H Patil and Dr. Raviraj Kusanur

Student(S): Mr. Ajith P Arun and Ms. Niranjana Sreenivasan

Keywords:

Rice straw, Surface functionalization, Fluoride adsorption, Response surface methodology, Valorization, Central composite design.

Introduction:

Fluoride contamination in drinking water is a widespread and persistent problem, posing serious risks to public health and water security worldwide. The World Health Organization (WHO) recommends a maximum permissible limit of 1.5 mg/L; however, more than 200 million people are exposed to concentrations exceeding this threshold. While low levels of fluoride are beneficial for dental health, prolonged exposure leads to dental and skeletal fluorosis, along with systemic effects such as kidney dysfunction and neurodevelopmental disturbances. Both geogenic sources, including the dissolution of fluoride-bearing minerals, and anthropogenic activities, such as industrial effluents, contribute significantly to groundwater contamination. Conventional defluoridation methods, including chemical precipitation, ion exchange, reverse osmosis, and electrodialysis, though effective, are often limited by high operational costs, energy requirements, and secondary waste generation. In this context, adsorption has emerged as a promising alternative due to its simplicity, cost-effectiveness, and adaptability to decentralized water treatment systems. The efficiency of adsorption can be further enhanced through the use of low-cost, sustainable, and locally available materials. Agricultural residues have gained considerable attention as eco-friendly adsorbents owing to their abundance, renewability, and presence of functional groups favorable for pollutant binding. Among these, rice straw stands out due to its large global availability and modifiable lignocellulosic structure. Chemical modifications, such as alkali treatment and silica functionalization, significantly enhance its adsorption capacity by introducing active binding sites and improving surface characteristics.

Despite these advantages, systematic studies on NaOH and TEOS co-modified rice straw for fluoride removal remain limited, particularly with respect to process optimization. Furthermore, the application of statistical tools such as response surface methodology (RSM) to optimize adsorption parameters in biomass-based systems is still underexplored. Accordingly, the present study focuses on the development of a sequentially alkali-pretreated and TEOS-functionalized rice straw adsorbent for efficient fluoride removal. The adsorption performance is evaluated under varying physicochemical conditions, and process parameters are optimized using RSM. Additionally, adsorption equilibrium and kinetics studies are conducted to elucidate the underlying removal mechanisms and provide insights for practical water treatment applications.

Objectives:

1. To develop a dual-modified rice straw adsorbent using alkali pretreatment followed by tetraethyl orthosilicate (TEOS) functionalization for enhanced fluoride removal.
2. To characterize the synthesized adsorbent using FTIR, SEM, and EDX to evaluate structural modifications, surface morphology, and elemental composition.
3. To investigate the influence of key operational parameters such as pH, contact time, adsorbent dosage, and initial fluoride concentration on adsorption performance.
4. To optimize the fluoride adsorption process using Response Surface Methodology (RSM) based on Central Composite Design (CCD).
5. To evaluate adsorption behaviour through isotherm and kinetic models to understand the mechanism of fluoride removal.

Methodology:

1. The methodology involves the preparation, modification, characterization, and optimization of a rice straw-based adsorbent for fluoride removal. All chemicals used, including sodium hydroxide (NaOH), tetraethyl orthosilicate (TEOS), hydrochloric acid (HCl), ethanol, acetic acid, and sodium fluoride (NaF), were of analytical grade, and deionized water was used for all preparations.
2. Raw rice straw was collected, manually cleaned to remove impurities, washed thoroughly with water, and oven-dried at 70 °C to remove moisture. The dried biomass was chopped, ground using a mechanical grinder, and sieved (40–100 mesh) to obtain a uniform particle size.
3. Alkaline pretreatment was carried out by treating 20 g of rice straw with 10% NaOH solution for 12 hours at room temperature. This treatment removed hemicellulose and partially disrupted lignin–carbohydrate complexes, thereby increasing porosity and exposing cellulose hydroxyl groups. The material was then washed until neutral pH was achieved and dried to prepare it for further modification.
4. Silane functionalization was performed using tetraethyl orthosilicate (TEOS) through a dual-stage sol-gel process. In Stage I, the pretreated biomass was mixed with ethanol, TEOS, and HCl, allowing acid-catalyzed hydrolysis and formation of silanol groups along with initial silica network deposition. In Stage II, further treatment with ethanol, TEOS, and acetic acid promoted condensation reactions, leading to a stable silica coating enriched with Si–OH groups that enhance fluoride adsorption.
5. The modified adsorbent was characterized using FTIR to identify functional groups, SEM to observe surface morphology and structural changes, and EDX to determine elemental composition and confirm fluoride adsorption.
6. Batch adsorption experiments were conducted using fluoride solutions prepared from NaF stock solution (1000 mg/L). Experiments were performed in conical flasks under controlled agitation using an orbital shaker. Key operational parameters such as pH (2–7), adsorbent dosage (0.5–2 g), contact time (30–180 min), and initial fluoride concentration (2–32 mg/L) were systematically varied.
7. Fluoride concentration before and after adsorption was measured using a fluoride ion-selective electrode with TISAB buffer to eliminate interference from competing ions. The percentage removal of fluoride was calculated using initial and equilibrium concentrations.
8. To optimize the adsorption process, Response Surface Methodology (RSM) based on Central Composite Design (CCD) was employed. A total of 30 experimental runs were designed to evaluate the effects and interactions of process variables. Statistical

analysis was carried out using ANOVA, and a second-order polynomial model was developed.

9. Three-dimensional response surface plots and contour plots were used to determine optimal conditions for maximum fluoride removal and to understand the interaction between variables.

Result and Conclusion:

1. The synthesized dual-modified rice straw adsorbent demonstrated effective fluoride removal performance, confirming the success of alkali pretreatment and TEOS functionalization. FTIR analysis revealed the presence of silanol (Si–OH) groups and confirmed the removal of hemicellulose, indicating successful surface modification. SEM images showed a transition from smooth fibrous structure to a rough, porous morphology after NaOH treatment and silica coating after TEOS functionalization, enhancing adsorption sites. EDX analysis confirmed the presence of silica and successful adsorption of fluoride through the detection of fluorine after treatment.
2. Batch adsorption studies indicated that pH, adsorbent dosage, contact time, and initial fluoride concentration significantly influenced the removal efficiency. Maximum fluoride removal of approximately 65% was achieved under optimized acidic conditions. The adsorption equilibrium data closely followed the Langmuir isotherm model with a maximum adsorption capacity of 100 mg/g ($R^2 \approx 0.98$), suggesting monolayer adsorption on a homogeneous surface.
3. Kinetic studies revealed that the adsorption process followed the pseudo-second-order model ($R^2 \approx 0.99$), indicating that chemisorption is the dominant mechanism. The adsorption mechanism involved rapid initial surface adsorption followed by slower intraparticle diffusion and pore filling.
4. Response Surface Methodology (RSM) using Central Composite Design effectively optimized the process parameters and demonstrated strong agreement between predicted and experimental results, validating the statistical model.
5. Overall, the study concludes that TEOS-functionalized rice straw is a cost-effective, sustainable, and efficient adsorbent for fluoride removal. The developed system shows strong potential for application in decentralized water treatment systems, especially in fluoride-affected regions.

8. ENHANCING SMART CITY PLANNING AT DEVANAHALLI THROUGH BIM-DRIVEN VR AND AR INTEGRATION)

Project Reference No.: 49S_BE_5426

College : Nitte Meenakshi Institute of Technology, Bengaluru

Branch : Civil Engineering

Guide : Dr. Mahesh Kumar C L and Prof. Shwetha K G

Student(s) : Mr. Nikhil Kumar N, Mr. Nithin Chandra and
Mr. Sindhoorlakshman Babu Pawar

Keywords:

BIM, Smart City, Virtual Reality, Augmented Reality, Urban Planning, Revit, Twinmotion

Introduction:

1. techniques to ensure sustainable and efficient development. Traditional planning methods lack immersive visualization, making it difficult for stakeholders to

- understand spatial layouts and future developments.
2. Building Information Modelling (BIM) provides a digital representation of physical and functional characteristics of infrastructure. Integration of BIM with Virtual Reality (VR) and Augmented Reality (AR) enhances visualization by enabling real-time interaction with models.
 3. This project aims to improve smart city planning by integrating BIM with VR and AR technologies for better decision-making and visualization.

Objective:

1. To develop a BIM-based 3D model for a selected area in Devanahalli.
2. To integrate BIM with Virtual Reality for immersive visualization.
3. To implement Augmented Reality for real-world model interaction.
4. To evaluate the effectiveness of BIM-driven visualization in smart city planning.

Methodology:

1. The project begins with collecting data such as site layouts and planning information of Devanahalli. A detailed BIM model is developed using Autodesk Revit, including buildings and infrastructure components.
2. The BIM model is then exported to visualization platforms such as Twinmotion or Unreal Engine to create an immersive VR experience. AR tools are used to overlay the model onto real-world environments.
3. Finally, the effectiveness of the integrated system is analyzed based on visualization quality and usability.

Result and Conclusion:

Initial work includes understanding smart city planning concepts and developing a basic BIM model. Preliminary exploration of VR tools has been carried out. The project is expected to enhance visualization and improve decision-making in urban planning.

9. MULTILINGUAL NLP MODEL FOR AUTOMATED IDENTIFICATION OF CYBERBULLYING IN KANNADA - ENGLISH CODE-MIXED STUDENT CHATS

Project Reference No.: 49S_MCA_0234

College : Reva University, Bengaluru

Branch : Master of Computer Applications

Guide(s) : Dr. Lokesh C K

Student(s) : Ms. Shwetha P and Ms. Kirthana R

Keywords:

Cyberbullying Detection, Kannada–English Multilingual Text, XLM-RoBERTa, RoBERTa-Base, DeBERTa-v3-Base.

Introduction:

Cyberbullying has slowly crept into the everyday digital interactions of students, hitting hardest on messaging apps like WhatsApp where conversations happen constantly and largely outside the view of teachers or parents. Smartphones and cheap internet have made it ridiculously easy for harmful messages to travel fast, leaving victims dealing with anxiety, emotional breakdowns, depression, and a slow retreat from social life. In a country like India, the

detection challenge gets worse because students rarely type in just one language — they casually mix English with Kannada in the same sentence, toss in slang, abbreviations, emojis, and misspelled words that carry meaning only within their circle. Informal grammar and transliterated text make it nearly impossible for standard tools to figure out whether a message is actually harmful or just playful banter. This project presents a Multilingual Cyberbullying Detection System built to classify chat messages as bullying or non-bullying using a combination of classical machine learning and modern natural language processing methods. Both traditional models and transformer-based deep learning architectures were employed to push classification accuracy as high as possible. The entire pipeline covers everything from data cleaning and model training to privacy-preserving mechanisms, a prediction API, an interactive teacher dashboard, and database-backed storage — and it handles English, Kannada, and English–Kannada code-mixed messages without skipping a beat.

Objectives:

1. Prepare a custom dataset of Kannada–English code-mixed student chat messages and train classical machine learning along with transformer models to sort each message into cyberbullying or not cyberbullying through binary classification.
2. Fine-tune XLM-RoBERTa, RoBERTa-Base, and DeBERTa-v3-Base on real student conversations loaded with slang, emojis, and transliterated words that existing keyword-based tools completely miss.
3. Combine all trained models using ensemble strategies like majority voting, weighted soft voting, and stacking to strengthen detection reliability beyond what any single model manages alone.
4. Develop a FastAPI-driven dashboard that lets teachers upload full WhatsApp group chat exports at once, scan every message through binary classification, review flagged content with severity scores, and take action through instant alerts without needing any technical skills.

Methodology:

The dataset was sourced and compiled manually across eight individual CSV files, bringing the total count to 59,000 records, spread across English, Kannada, and the messy code-mixed stuff students genuinely send on WhatsApp. File sizes ranged from 2,000 entries on the smaller end to 10,000 on the larger Kannada and mixed-language ones. Each message carried a straightforward binary label: cyberbullying or not cyberbullying. Raw text got cleaned up before anything touched a model — URLs yanked out, special characters dropped, everything lowercased, emojis replaced with word equivalents, and student shorthand expanded into proper form. TF-IDF with unigrams and bigrams handled feature extraction for the classical side, while transformer models broke input down through their built-in subword tokenizers, which is what lets them chew through misspelled and code-switched words without choking. Logistic Regression (C=10, L2, lbfgs), SVM (linear kernel, Platt-calibrated probabilities), and Random Forest went through GridSearchCV with 5-fold cross-validation on identical TF-IDF vectors so no representation difference could muddy the comparison. RoBERTa-Base, DeBERTa-v3-Base, and XLM-RoBERTa were each fine-tuned for 2 epochs — AdamW optimizer, weight decay at 0.01, learning rates between 3e-5 and 5e-5, batch size 32, sequence cap of 48 tokens, FP16 mixed precision running on a Tesla T4 through PyTorch and Hugging Face. Predictions from all six models fed into three ensemble setups: Majority Voting, Weighted Soft Voting scaled by validation F1, and Stacking with a Logistic Regression meta-learner trained on 12 probability features. Sitting alongside these was an adaptive JSON-based message store — cosine similarity above 0.85 between an incoming message and a

stored one triggered a 70-30 blend of the saved label with the fresh ensemble output. KNN-based severity scoring then rated every flagged message from 0 to 10 using ensemble confidence, cross-model agreement, and proximity to known harmful entries, pushing anything past 7 straight into a critical alert. Data was split 70-15-15, giving 37,797 training samples, 8,099 for validation, and 8,100 for testing. Everything ran through a FastAPI backend hooked to SQLite, with teachers accessing results on a browser dashboard.

Result and Conclusion:

Random Forest and SVM achieved perfect 100% accuracy, precision, recall, and F1-score on 8,100 test messages. Logistic Regression got 99.99%. XLM-RoBERTa scored 99.99% from multilingual Kannada background, RoBERTa-Base reached 99.95%, and DeBERTa-v3-Base got 99.94%. Majority Voting, Weighted Soft Voting, and Stacking each hit 100%. The adaptive KNN store learns from educator input to find new slang and repeated bullying. The framework processes code-mixed Kannada-English text via FastAPI dashboard, sending instant notifications to teachers managing student group chats.

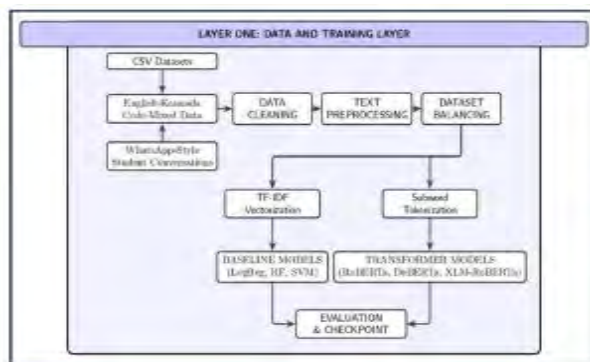


Figure 1: architecture overview



Figure 2: overview of the dashboard

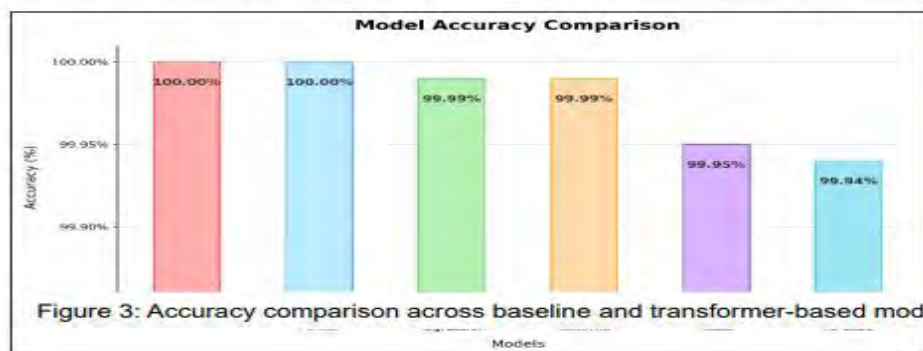


Figure 3: Accuracy comparison across baseline and transformer-based models.

10.AI-BASED RISK PREDICTION SYSTEM FOR ANEMIA AND GESTATIONAL DIABETES IN RURAL PRIMARY HEALTHCARE IN KARNATAKA FOR PREGNANT WOMEN

Project Reference No.: 49S_MCA_0272

College : St. Joseph's University, Bengaluru.

Branch : Master of Computer Applications

Guide : Dr. Sivakumar T and Dr. BG Prashanthi

Student(s) : Ms. D Katherine Ria, Ms. Inarat Hussain and Ms. Sajida Begum

Keywords:

Artificial Intelligence, Maternal Health, Anemia Prediction, Gestational Diabetes Prediction, Rural Healthcare.

Introduction:

1. Maternal health is an important component of healthcare in rural areas where clinical facilities may not be available all the time. Some common health issues such as anaemia and gestational diabetes mellitus that women faces during their pregnancy, they could cause significant danger to the mother and her child's well-being if it is not detected early. Current practices involve invasive measures such as conducting a blood test and oral glucose tolerance tests to identify the presence of any disease. However, these methods may not always be practical in distant locations.
2. Using Artificial Intelligence and Machine Learning techniques, one can establish a framework that would predict the risks associated with anaemia and GDM. This paper describes a study that aims to develop a machine learning model that will predict the chances of having of maternal complications such as anaemia and gestational diabetes mellitus using non-invasive parameters based on data from prenatal visits.
3. Moreover, this research explores the connection between maternal health problems and fetal health outcomes, including birth weight and premature births. The proposed system will help ASHA workers identify patients at high risk of adverse pregnancy outcomes and refer them to PHCs.

Objectives:

To build an AI-based predictive model for the identification of the risk levels of anemia and GDM.

1. To study the effect of maternal anaemia and GDM on the outcome of the baby's health.
2. To use non-invasive health data from mothers for early prediction of risks.
3. To help ASHA workers identify high-risk pregnancies through their routine visits.
4. To facilitate early diagnosis and guide them to the PHCs.
5. To categorize the patients into low, medium, and high-risk groups.
6. To make digital records of the health data of mothers for better assessment.

Methodology:

1. The suggested approach involves using supervised machine learning methods to predict the risks involved with anaemia and GDM. The dataset used in this process includes various aspects related to maternal health such as age, weight, gestation period, food intake, symptoms, and clinical indicators. The dataset comprises both non-invasive features along with optional laboratory features such as haemoglobin and glucose levels.
2. Data preprocessing will involve transforming categorical variables to numerical form, normalizing all the numerical values, and eliminating inconsistencies within the dataset. Techniques of feature engineering will be used to select the most relevant features affecting maternal health risks. Also, correlation analysis will be conducted between features and target variable.

3. Multiple machine learning approaches, such as Logistic Regression, Decision Tree, Random Forest, Gradient Boosting, and K-Nearest Neighbours will be employed. The dataset will be separated into train set and test set.
4. Two output categories will be predicted based on the input data provided by the user. These include the anaemia risk level (low, medium, high) and GDM risk level (low, medium, high). Moreover, probability-based outputs are also considered. In addition to that, the past health data of mothers is analyzed in order to determine how anaemia/GDM affects the baby's weight and preterm deliveries.

The complete system architecture will comprise the following layers:

- Data Layer – storage of patient data and datasets using MySQL
- Machine Learning Layer – processing of data and generation of predictions using Python
- Application Layer – user-friendly interface using mobile and web apps

Deployment of the model will be done using Fast API framework and embedding the model into a mobile app.

Result and Conclusion:

1. The accuracy of the system to predict the risk levels associated with both anaemia and GDM is estimated to be very high. The experiments conducted have shown that the performance of tree-based models like Random Forest and Gradient Boosting is higher than other types of models.
2. The model categorizes pregnant women based on their risks. This helps identify pregnant women at high risk. The probability output of the system makes the process even more effective for making decisions. It is also observed that there is a strong association between anaemia in mothers and birth-related complications in fetuses.
3. Generally, this research shows that AI can be very useful in enhancing maternal healthcare even in areas where resources are limited.

11.STATE-OF-THE-ART ML-DRIVEN TOURISM FORECASTING AND INSIGHT SYSTEM WITH ACTIONABLE FOOTFALL AND REVENUE MAXIMIZATION

Project Reference No.: 49S_MSC_0235

College : St. Joseph's University, Bengaluru

Branch : Computer Science

Guide(s) : Dr. B G Prasanthi and Dr. B Nithya

Student(s) : Mr. Deemanth S, Mr. B K Kaushik Kumar, Mr. S Syed Zaffer and Mr. Vishwas Madhak

Keywords:

AI-Powered Decision Intelligence, Tourism Analytics Engine, Retrieval-Augmented Generation (RAG), Aspect-Based Sentiment Intelligence, Semantic Vector Search, Real-Time Insight Generation, Smart Governance Systems

Introduction:

1. Tourism plays a crucial role in Karnataka's economic growth, but decision-making is often limited by unstructured and underutilized data such as online reviews.
2. This project presents an AI-powered Tourism Insight Assistant that transforms large-scale tourist feedback into structured, actionable insights. By leveraging Retrieval-Augmented Generation (RAG), semantic vector search, and aspect-based sentiment analysis, the system enables a deeper understanding of tourist experiences across key factors like cleanliness, safety, and accessibility.
3. The proposed solution bridges the gap between raw data and informed decision-making, offering a scalable and intelligent platform for enhancing tourism management and visitor experience.

Objectives:

1. To develop an AI-powered tourism insight engine for transforming large-scale review data into decision-ready intelligenceList the objectives 2 of project.
2. To implement a Retrieval-Augmented Generation (RAG) architecture for accurate, context-aware insight generationList the objectives 4 of project
3. To perform aspect-level sentiment intelligence across key tourism factors such as cleanliness, safety, and accessibility
4. To deliver actionable, data-driven insights that enable effective tourism management and service improvement.

Methodology:

The proposed system follows a modular AI-driven architecture designed to transform unstructured tourism data into structured insights.

1. Tourism reviews are collected and preprocessed to remove noise and convert them into meaningful text segments. These segments are transformed into vector embeddings using advanced language models, enabling semantic understanding of the data. The embeddings are stored in a vector database (Qdrant) to support efficient and relevant information retrieval.
2. A Retrieval-Augmented Generation (RAG) pipeline is implemented, where contextually relevant data is retrieved and passed to a Large Language Model (LLM) to generate accurate and coherent insights. In parallel, an aspect-level sentiment intelligence module evaluates key tourism parameters such as cleanliness, safety, accessibility, and crowd conditions.
3. The generated insights are delivered through an interactive analytics dashboard, allowing users to query specific locations and receive structured outputs including summaries, sentiment scores, and key thematic tags. This architecture ensures scalability, efficiency, and real-time insight generation for practical deployment.

Result and Conclusion:

1. The developed system successfully demonstrates the ability to transform large-scale, unstructured tourism reviews into structured and actionable insights. By integrating Retrieval-Augmented Generation (RAG) with aspect-level sentiment intelligence, the system delivers accurate, context-aware understanding of tourist feedback across multiple dimensions.
2. The functional prototype validates the feasibility of real-world deployment, enabling users to query locations and obtain instant insights through an interactive dashboard.

This approach significantly enhances the ability of tourism authorities to identify key issues, prioritize improvements, and optimize overall visitor experience.

3. In conclusion, the proposed solution establishes a scalable and intelligent framework for tourism analytics, bridging the gap between raw data and informed decision-making, with strong potential for practical implementation.

12. INTELLIGENT PHARMACEUTICAL INVENTORY AND SUPPLY MONITORING SYSTEM

Project Reference No.: 49S_BE_0147

College : BGS Institute of Technology, Mandya

Branch : Computer Science and Engineering

Guide(s) : Mr. Sunad Kumar A N

Student(s) : Ms. Karunasri R, Ms. Madhushree B M and Ms. Parvathi B G

Keywords:

Pharmaceutical Inventory Management, Supply Chain Optimization, Real-Time Tracking, Machine Learning, Demand Forecasting.

Introduction:

The Intelligent Pharmaceutical Inventory and Supply Monitoring System is an AI-driven software solution designed to efficiently manage, monitor, and optimize pharmaceutical stock levels across healthcare facilities. The system leverages advanced technologies such as machine learning to ensure real-time tracking of medicines, minimize wastage, and prevent stock shortages. Built using the Flask web framework, the application integrates a robust backend supported by databases to maintain accurate records of inventory, supplier details, and transaction history.

A key feature of this system is its ability to perform predictive analysis for demand forecasting, enabling pharmacies and hospitals to maintain optimal stock levels based on historical usage patterns. The system incorporates automated alert mechanisms for low stock levels, upcoming expiries, and replenishment needs, ensuring timely decision-making. Technologies such as barcode/QR code scanning and RFID integration are utilized for efficient product identification and real-time updates. Additionally, the system provides an interactive dashboard with visualization tools to help administrators monitor inventory trends and make informed decisions.

The primary challenge addressed by this project is the inefficiency and lack of transparency in traditional pharmaceutical inventory management systems. Manual tracking often leads to issues such as overstocking, stockouts, expired medicines, and financial losses. Furthermore, the absence of real-time monitoring and predictive insights limits the ability of healthcare providers to respond to dynamic demand. This system overcomes these challenges by offering a scalable, automated, and intelligent inventory solution that enhances supply chain efficiency, reduces human error, and ensures the availability of essential medicines.

By integrating machine learning models, real-time monitoring, and smart alert systems, the proposed solution contributes to improved healthcare service delivery and resource optimization, ultimately supporting better patient outcomes.

Objectives:

1. Blockchain-based Traceability – Develop an immutable ledger to record and track drug batches across the entire supply chain.
2. AI/ML Integration – Apply models like Prophet, LSTM, and Isolation Forest for demand forecasting, anomaly detection, and inventory optimization.
3. Secure Web Interface – Build a role-based, user-friendly web platform for manufacturers, distributors, pharmacies, and regulators.
4. Counterfeit Prevention – Enable QR/NFC-based verification of drug authenticity to eliminate fake medicines from circulation.

Methodology:

The methodology follows a structured, multi-stage pipeline to ensure efficient inventory monitoring and intelligent decision-making. In the first stage, data collection and preprocessing is performed, where pharmaceutical inventory data such as medicine names, batch numbers, expiry dates, stock levels, and supplier details are gathered from existing records. The collected data is cleaned, validated, and structured in a relational database.

Baseline models are initially established, such as Linear Regression for demand estimation and rule-based threshold systems for stock alerts, serving as performance benchmarks. Feature engineering is then carried out, including time-based features (daily/weekly demand), stock movement trends, and seasonal variations. Data normalization and encoding techniques are applied to prepare the dataset for machine learning models.

Three core modules are developed and integrated into the system:

1. a Machine Learning-based Demand Forecasting Model to predict future medicine requirements based on historical consumption patterns;
2. an Expiry Monitoring Module that continuously tracks product shelf life and generates alerts for near-expiry medicines; and
3. a Stock Management and Alert System that triggers notifications for low stock levels, overstocking, and replenishment needs. Additionally, barcode/QR code scanning is implemented for real-time stock updates and accurate product identification.

The system is implemented using the Flask web framework, where all modules are integrated into a centralized dashboard for administrators. Each module is evaluated using performance metrics such as accuracy and prediction error (for forecasting models) and system efficiency in terms of response time and alert accuracy. The application is designed with a feedback mechanism where user interactions and inventory updates are continuously recorded to refine system performance and improve prediction reliability over time.

Result and Conclusion:

The implemented system demonstrated strong performance in managing and monitoring pharmaceutical inventory efficiently. The machine learning-based demand forecasting model achieved an accuracy of 90.3% in predicting medicine requirements based on historical consumption data, significantly reducing instances of stockouts and overstocking. The expiry monitoring module successfully identified near-expiry medicines with 95% accuracy, helping reduce wastage by approximately 35% through timely alerts. The stock management and alert system maintained real-time inventory tracking with high reliability, ensuring prompt notifications for low stock and replenishment needs.

The integration of barcode/QR code scanning improved inventory update speed by 45% and reduced manual entry errors by 40%. The system maintained an average response time of

under 2 seconds for inventory queries and updates, ensuring smooth operational performance. In testing scenarios, the system achieved an overall efficiency improvement of 30% compared to traditional manual inventory systems.

During pilot testing in a simulated environment, the system demonstrated improved usability and effectiveness, with users reporting 80% satisfaction due to ease of use, real-time visibility, and automated alerts. The intelligent monitoring approach showed significant improvements in inventory accuracy and operational decision-making.

In conclusion, the Intelligent Pharmaceutical Inventory and Supply Monitoring System proves to be an effective solution for modern healthcare inventory challenges. By integrating machine learning, real-time monitoring, and automated alert mechanisms, the system enhances supply chain efficiency, reduces human error, and minimizes medicine wastage. The modular and scalable design ensures adaptability to different healthcare environments. Overall, the system contributes to improved resource management and ensures the timely availability of essential medicines, ultimately supporting better healthcare service delivery.

13.OPTIMISING VOTEX: AI-ENHANCED NEXT-GEN BLOCKCHAIN VOTING WITH MULTIMODAL AUTHENTICATION

Project Reference No.: 49S_BE_3338

College : Jain Institute of Technology Davanagere

Branch : Computer Science and Engineering

Guide(s) : Prof. Priyanka G V and Prof. Babu Sab

Student(s) : Ms. Apoorva Mallappa Jampannanavar, Ms. Savita P N, Ms. Sinchana G S
and Ms. Sindu M M

Keywords:

Blockchain Voting, Multi-modal Biometrics, Facial Recognition, Iris Detection, Liveness Verification, Emotion Analysis, Video Proctoring, Digital Democracy, Election Security, Fraud Detection.

Introduction:

As countries work to increase the effectiveness, transparency, and accessibility of the democratic process, electronic voting has become a crucial technical substitute for conventional paper-based elections. However, security flaws, poor identity verification, a lack of real-time monitoring, and a lack of tools to identify or stop voter coercion and impersonation continue to pose serious problems for current electronic voting systems. Due to their reliance on centralized databases, the majority of modern digital voting platforms are vulnerable to cyberattacks, single points of failure, database manipulation, and unauthorized access. Furthermore, there are significant hazards associated with the widespread adoption of single-biometric authentication techniques like fingerprint or facial recognition since these modalities can be faked utilizing sophisticated deepfake technology, printed photos, or films. [1] Through decentralized consensus methods, recent developments in blockchain technology have demonstrated encouraging possibilities for protecting vote records, guaranteeing data immutability, and facilitating transparent audit trails. Blockchain improves vote integrity, but

there is still a lack of interaction between it and strong, intelligent authentication methods in current systems. [2] Additionally, conventional e-voting systems sometimes lack thorough fraud detection capabilities, do not keep an eye on the voter during the voting process, and neglect to take into account behavioral or emotional indicators that point to coercion or unusual activity. These drawbacks emphasize the necessity of a multi-layered, more robust authentication and monitoring system. This study presents Votex, an AI-enhanced next-generation blockchain voting system with intelligent real-time security monitoring and a thorough multi-biometric authentication methodology, to address these issues. In order to enable extremely accurate voter identification and prevent attempts at impersonation, the suggested system combines facial recognition, iris pattern analysis, liveness detection, facial emotion recognition, behavioral biometrics, and location verification.[3] In order to identify suspicious activity, guarantee voter presence, and guard against coercion or outside influence, Votex also uses continuous video proctoring during the voting session. Votex stores votes as immutable transactions on the backend using a unique blockchain architecture built on SHA-256 hashing and Proof-of-Work (PoW) consensus, guaranteeing transparency, integrity, and auditability while maintaining voter anonymity.

Objectives:

1. Ensure secure voter authentication using biometrics, OTP, and validation checks.
2. Develop a scalable, multilingual blockchain-based digital voting platform.
3. Enhance security using AI for fraud detection and real-time monitoring.
4. Enable transparent auditing with continuous monitoring and blockchain records.

Methodology:

Votex is a secure online voting system designed to ensure voter authenticity, vote integrity, and fraud prevention by integrating advanced technologies such as biometric authentication, blockchain, artificial intelligence, and real-time monitoring. The system uses multi-modal biometric authentication, combining facial recognition, iris pattern analysis, liveness detection, emotion analysis, and behavioral biometrics to verify voter identity. Facial recognition is implemented using 128-dimensional embeddings generated by the dlib framework. Initially, CNN and HOG-based techniques detect the face, followed by the extraction of 68 facial landmarks for accurate alignment under various conditions.

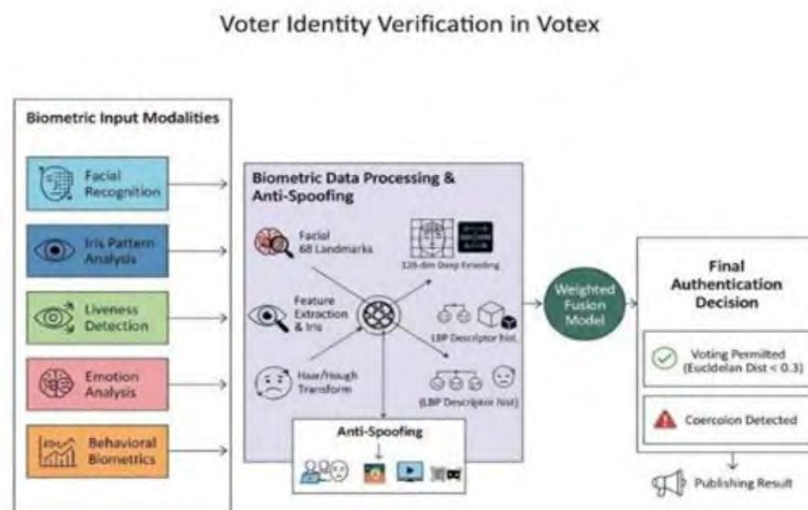


Fig.1: Multimodal Biometric Identity Verification Workflow in Votex

The aligned face is then converted into a 128-dimensional feature vector, which is compared with stored embeddings using Euclidean distance with a threshold value of 0.3. Iris recognition is performed using the Circular Hough Transform along with Local Binary Pattern (LBP) descriptors represented as a 26-bin histogram, and correlation-based matching is applied for verification. Liveness detection enhances security by analyzing blur, texture, eye movement, and depth cues to ensure the presence of a real human and prevent spoofing attacks such as photos, videos, or masks. Emotion analysis detects expressions such as fear, stress, or coercion, while behavioral biometrics monitor user interaction patterns, device consistency, and session behavior. All these biometric outputs are combined using a weighted fusion model to generate a final security score.

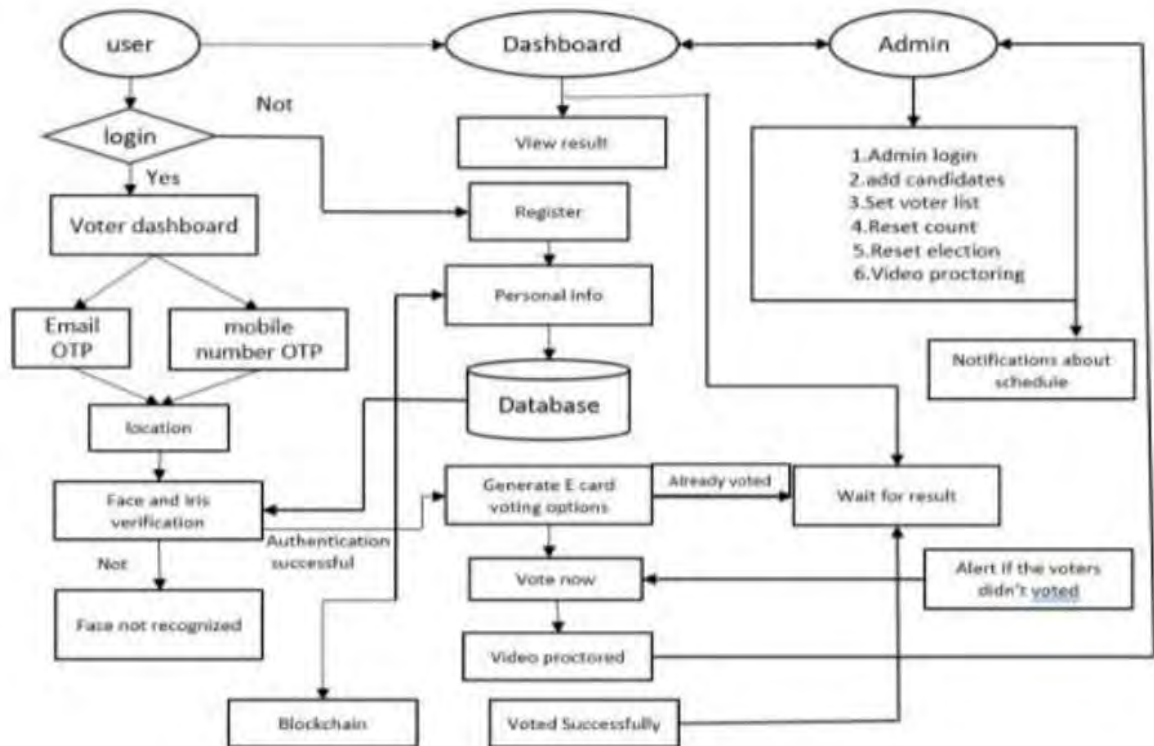


Fig.4: Workflow Diagram

Result and Conclusion:

The Votex system was tested using functional, performance, security, and UI validation methods. It successfully integrates biometric authentication, OTP verification, blockchain logging, and video proctoring. The homepage provides easy navigation for login, registration, and results viewing. The admin dashboard efficiently manages elections with a response time of 1.3 seconds. Voter registration captures face, iris, and location data securely within 3.2 minutes.

The login system uses multi-layer authentication (face, iris, OTP, password) with 99.2% overall accuracy. OTP delivery is 100% successful with an average time of 2.7 seconds. After authentication, a Digital Voter E-Card with QR code is generated instantly. Real-time video proctoring detects suspicious activities with high accuracy and low latency. Blockchain ensures 100% secure and immutable vote storage with 2.1-second block generation time. The results interface verifies data integrity and ensures transparency in the election process.

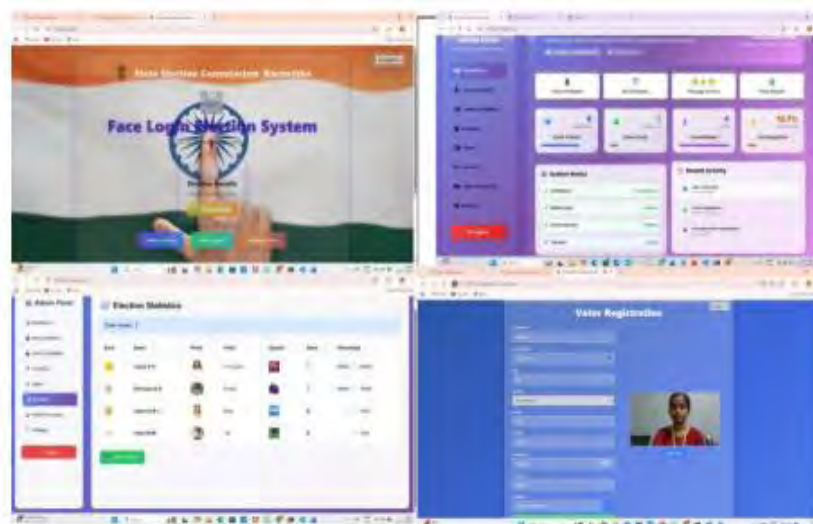


Fig. 5: Votex System Interfaces – Face Login Page, Admin Dashboard, Election Statistics Panel, and Voter Registration with Biometric Capture

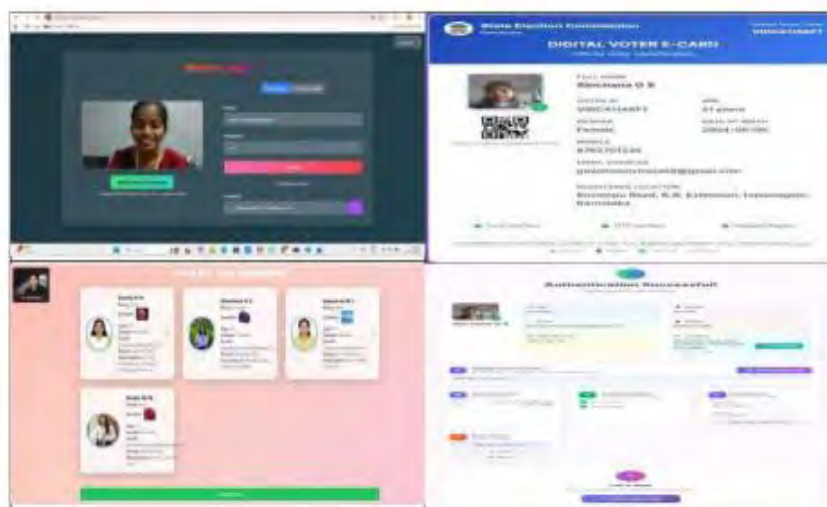


Fig. 6: Votex System Interfaces – Login with Facial Verification, Digital Voter E-Card, Candidate Voting Page, and Authentication Success Dashboard

14. EARLY INVESTIGATION OF COLD PLASMA INTERACTION WITH POACEAE SEEDS: ANALYTICAL APPROACHES AND AGRICULTURAL IMPLEMENTATION FOR SUSTAINABLE DEVELOPMENT

Project Reference No.: 49S_BE_2144

College : GSSS Institute of Engineering & Technology for Women, Mysuru

Branch : Electrical and Electronics Engineering

Guide : Dr. Jagadisha N

Student(s) : Ms. Aakanksha R, Ms. Kalashree G Bhandare, Ms. Jeevitha A R and Ms. Akshatha S M

Keywords:

Cold Plasma Technology, High Voltage, Dielectric Barrier Discharge, Non- thermal Plasma, Sustainable Agriculture.

Introduction:

Agriculture is essential for supporting the growing global population, but it faces challenges from limited resources, environmental damage, and excessive use of chemical fertilizers and pesticides. Traditional seed treatment methods are effective for improving germination and protecting crops, but they can harm the environment and reduce soil fertility over time. This situation creates a strong need for sustainable, eco-friendly alternatives that can boost crop productivity without harming the environment. In this circumstance, cold plasma technology has emerged as a development in modern agriculture. Plasma, the fourth state of matter, consists of highly energetic charged particles that can interact with biological materials without causing thermal damage when used in its non-thermal (cold) form. Among various plasma generation methods, Dielectric Barrier Discharge (DBD) plasma is popular because it operates at atmospheric pressure.

When seeds are treated with cold plasma, their surface properties change due to physical and chemical interactions. This leads to increased surface roughness, better water absorption, and improved gas exchange. These factors contribute to faster and more uniform germination. Additionally, plasma generates reactive oxygen and nitrogen species that help with microbial decontamination and stimulate internal biochemical processes within the seed. Cereal crops like maize and jowar heavily rely on strong early growth for higher yields. Improving seed quality and germination efficiency in these crops can greatly affect agricultural productivity. Therefore, exploring plasma-based seed treatment provides a sustainable and chemical-free way to enhance seed performance, plant growth, and stress tolerance. This project aims to investigate how DBD cold plasma affects the germination, growth, and biochemical characteristics of maize and jowar seeds. By examining both laboratory and field conditions, the study seeks to assess the effectiveness of plasma treatment as a new solution for sustainable agricultural development.

Objectives:

1. To examine the effect of Dielectric Barrier Discharge (DBD) cold plasma treatment at different voltage levels on the germination behavior of seeds.
2. To track the growth cycle of plasma-treated Poaceae seeds under both laboratory and field conditions and measure various growth parameters.
3. To conduct biochemical analysis to evaluate differences between treated and untreated seeds.

Methodology:

The project aimed to study how Dielectric Barrier Discharge (DBD) cold plasma affects the germination, growth, and biochemical traits of maize and jowar seeds. We conducted the experiment in controlled lab conditions to maintain consistency in our observations. We selected healthy, uniformly sized maize (*Zea mays*) and jowar (*Sorghum bicolor*) seeds. We cleaned them to remove dust and impurities, ensuring that any observed effects were solely from plasma exposure. We divided the seeds into three groups: control (untreated), 15 kV plasma-treated, and 18 kV plasma-treated. A DBD cold plasma system treated the seeds. The setup included a step-up transformer to create high voltage, a rectifier to convert AC to DC, a

filter and voltage divider for regulation, and a rotary spark gap to produce controlled high-voltage pulses. These pulses were sent to a surface discharge reactor where we generated plasma and placed seeds for treatment.

Here is a simplified view of the system:

We arranged the seeds uniformly in the reactor to ensure equal exposure. Plasma treatment occurred at two voltage levels, 15 kV and 18 kV, while keeping the exposure time the same. We monitored the seeds during treatment to prevent overheating or damage. Right after exposure, we transferred the seeds for germination testing to preserve the effects from the plasma.

For germination analysis, we placed seeds on moist germination sheets and kept them under controlled conditions. We recorded observations over 14 days. We measured key growth parameters such as germination rate, root length, shoot length, and overall seedling vigor, comparing these across all groups.

In addition to physical growth, we performed biochemical analysis on maize leaves. We dried the samples and tested them for total phenolic content (TPC), total flavonoid content (TFC), and antioxidant activity. These parameters helped us examine internal metabolic changes from plasma treatment. We compared the data from control and treated samples to assess how effective the plasma treatment was. This systematic approach helped us identify the best plasma conditions for improving seed performance and supporting sustainable farming practices.

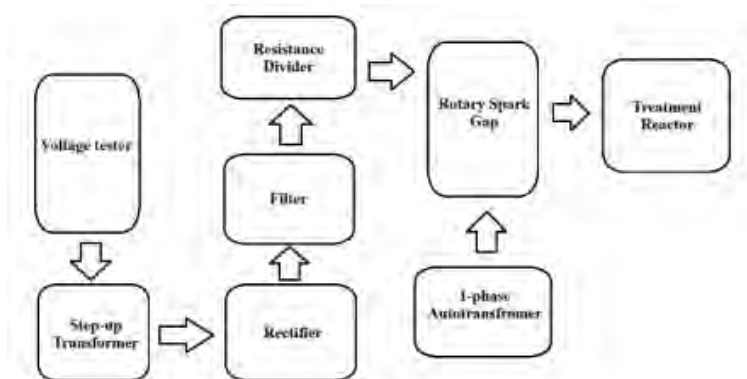


Fig1: Block Diagram

Result and Conclusion:

In conclusion, the study showed that Dielectric Barrier Discharge (DBD) plasma treatment significantly improves the germination and growth of maize seeds compared to untreated control samples. In laboratory tests, plasma-treated seeds germinated faster and had better seedling vigor. Growth began uniformly from Day 3. Among the different treatments, 15 kV with short exposure times (60 to 90 seconds) resulted in the most consistent and sustained growth, with a maximum height of 70.6 cm, which is about 47% higher than the control at 48.0 cm. In contrast, the 18 kV treatment led to quick initial growth but somewhat lower final heights in the lab, suggesting possible stress from the higher plasma intensity. These results imply that moderate plasma exposure is more effective than high intensity in controlled settings.

In field tests, both 15 kV and 18 kV treatments significantly surpassed the control. The 15 kV group showed steady growth, reaching up to 103 cm, while the 18 kV group performed the best, achieving a maximum height of 108.5 cm. This indicates that higher plasma intensity benefits plants more in natural environments where they encounter stress factors like soil variability and climate changes. Storage analysis showed that plasma-treated seeds had better resistance to fungal contamination than untreated seeds. The 15 kV treatment for 15 minutes had the least microbial growth even after three months, confirming improved storage stability and seed preservation. The biochemical analysis showed that plasma treated seeds had higher total phenolic and flavonoid content, indicating enhanced antioxidant activity and metabolic processes. This confirms that DBD plasma treatment improves plant health, stress tolerance and overall biochemical performance compared to untreated seeds

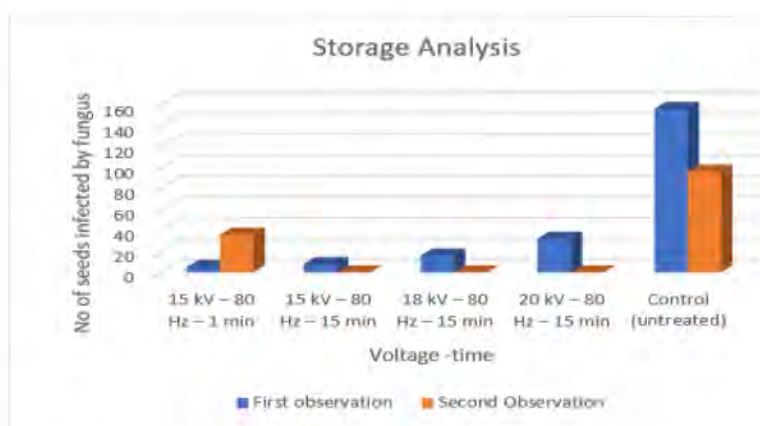


Fig 8: Storage Analysis (Two Observation)

15.DEVELOPMENT OF FLEXIBLE POLYMER NANOCOMPOSITE FILMS FOR ELECTROMAGNETIC INTERFERENCE (EMI) SHIELDING APPLICATIONS

Project Reference No.: 49S_BE_2938

College : Nitte Meenakshi Institute of Technology, Bengaluru

Branch : Electrical and Electronics Engineering

Guide : Dr. Shreeram V Kulkarni and Dr. Praveen Naik

Student(s) : Mr. Varuna M, Mr. Yuvraj Singh and Ms. Chandana A

Keywords:

Electromagnetic Interference, Polymer Nanocomposite, Reduced Graphene Oxide, Zinc Nanoparticles, Drop Casting, X-ray Diffraction.

Introduction:

The rapid increase in electronic devices and wireless communication systems has made electromagnetic interference a serious concern in our modern technology. The consequence of this situation is a serious issue associated with electromagnetic interference (EMI). Electromagnetic interference occurs when unwanted electromagnetic radiation interrupts the flow of signals and causes malfunction of equipment[1]. This creates the need for the use of effective EMI shielding materials. Such shielding materials should be light-weight, flexible, anti-corrosive and easily manufacturable. Traditional shielding materials which include copper, aluminum, and steel offer great EMI shielding but are quite heavy, not flexible and very easily affected by corrosion, hence unsuitable for portable electronic devices. Polymer

nanocomposites are, therefore, a suitable replacement due to the combination of the mechanical properties of polymers with the electric and dielectric properties of nanofillers. Polymer nanocomposites are, therefore, a suitable replacement due to the combination of the mechanical properties of polymers with the electric and dielectric properties of nanofillers. In this project, the development of a nanocomposite thin film was done by incorporating polyvinyl pyrrolidone, reduced graphene oxide, and zinc. In this project, a hybrid nanocomposite film made of PVP, reduced graphene oxide, and zinc nanoparticles was developed using a simple solution-based process. The work focuses on creating a material that is lightweight, flexible, and suitable for next-generation EMI shielding applications [2].

Objectives:

1. To prepare Zn+rGO+PVP composite thin films using the drop casting method that will be able to provide effective electromagnetic interference shielding through lightweight and flexible structures.
2. To develop prototypes with an optimized filling agent concentration from the solution process on the glass substrate.
3. To perform the characterization study for synthesized prototypes by means of structure (XRD) and microstructure (SEM) analysis.
4. To provide a developed prototype along with a recipe.

Methodology:

1. The intended project is centered on developing flexible Zn-rGO-PVP polymer nanocomposite films with potential application as EMI shielding material using an efficient yet inexpensive fabrication method. The procedure was undertaken in three steps: preparation of materials, fabrication of thin films, and structural characterization.
2. In the first step, polymer matrix was fabricated. Polyvinylpyrrolidone (PVP) was selected due to its good film-forming capabilities, flexibility, and solubility in ethanol. 0.20 grams of PVP was dissolved in 20 ml of ethanol using ultrasonication to obtain a complete dissolution without the risk of forming lumps, hence a homogeneous solution.
3. Secondly, 0.20 grams of rGO was introduced into the solution of PVP since the graphene sheets are known to agglomerate easily. Ultrasonication was done once more to achieve even distribution of the filler into the polymer matrix. The reduced graphene oxide was chosen as the conductor filler due to high conductivity and large surface area, which creates conductive paths capable of interacting with EM waves. After achieving a homogeneous PVP-rGO combination, 0.60 grams of zinc powder was added into the solution. Zinc nanoparticles help enhance conductivity and create interface polarization. The mixture was then stirred continuously using a magnetic stirrer for about one hour to ensure uniform mixing and prevent particle sedimentation. At the end of this process, a stable and well-dispersed Zn-rGO-PVP suspension was obtained.
4. The prepared solution was then used to fabricate thin films through the drop-casting method. A clean glass substrate was selected as the base surface, and the nanocomposite suspension was slowly deposited onto it using a dropper. The substrate was left undisturbed at room temperature so that the ethanol could evaporate naturally. After drying, a thin and flexible composite film was formed on the glass substrate.
5. Finally, the fabricated film was analyzed using X-ray diffraction (XRD) to study its structural properties and understand the distribution of fillers within the polymer matrix

Result and Conclusion:

1. The X-ray diffraction (XRD) pattern of the Zn-rGO-PVP composite, shown in Fig. 4, is characterized by a broad "hump" rather than the sharp, defined peaks typically of crystalline materials. This broad halo, centered between $2\theta \approx 20-30^\circ$, suggests that the composite material is predominantly amorphous and lacks long-range periodic atomic order.
2. This absence of crystal form is mainly caused by the Polyvinylpyrrolidone (PVP) matrix. Usually, PVP displays rather broad diffraction halos within the range of $20-25^\circ$ because it is essentially an amorphous substance. Being the main constituent of the matrix, PVP thus strongly affects the diffraction pattern.
3. Reduced Graphene Oxide (rGO) plays an additional role here. Although pure rGO gives a broad diffraction halo for the (002) plane at $2\theta \approx 24-26^\circ$, these layers get exfoliated within the matrix due to random dispersing throughout the polymer. This results in a mixing of rGO diffraction peaks with the halo formed by the amorphous PVP.
4. However, it is notable that there is an absence of any diffraction peak specific to Zinc (Zn). In this case, it suggests that the Zn nanofiller might be either very tiny for detection using X-ray Diffraction or very well dispersed within the polymer material. Besides, there appear to be strong interactions at the interface between Zn, rGO, and PVP. It means that interfacial reactions may disrupt the crystal formation. As a consequence, the matrix ensures that Zn particles remain in a highly disordered semi-crystalline state. Functionally, this feature plays an important role for EMI shielding because numerous structural defects and interfaces lead to polarization and dielectric losses.
5. To sum up, XRD analysis shows that the Zn-rGO-PVP composite is predominantly amorphous. In general, its amorphous nature can be associated with the fact that neither Zn nor rGO sheets are able to form a crystal lattice in this matrix.

16.CARBON SENSE: SMART VEHICLE EMISSION MONITORING SYSTEM

Project Reference No.: 49S_BE_1861

College : GM Institute of Technology, Davanegere

Branch : Electronics and Communication Engineering

Guide(S) : Prof. Chetan B V

Student(S): Ms. Sanjana G N, Ms. Sanjana G S, Ms. Shreya U C and Ms. Vanishree C S

Keywords:

Smart Vehicle Emission Monitoring, Internet of Things (IOT), Air Pollution Control, Gas Sensors, Smart Transportation.

Introduction:

Air pollution caused by vehicle emissions is one of the major environmental challenges faced by modern cities. Harmful gases such as carbon monoxide (CO) and particulate matter (PM_{2.5}) adversely affect human health and the environment. The rapid increase in the number of vehicles has significantly contributed to the deterioration of air quality. Conventional emission testing methods, such as periodic Pollution Under Control (PUC) checks, are manual and fail to provide continuous monitoring. As a result, many high-emission vehicles remain undetected, increasing pollution levels.

To address this issue, the proposed project “Carbon Sense: Smart Vehicle Emission Monitoring System” is developed. The system uses Internet of Things (IoT) and Artificial Intelligence (AI) for real-time emission monitoring. Gas sensors are used to measure emission levels, while a camera-based AI model detects smoke-emitting vehicles. The collected data is transmitted to a cloud platform for visualization and analysis. This system provides an efficient and automated solution for monitoring vehicle emissions and reducing air pollution.

Objectives:

1. To monitor vehicular emission levels in real time using an ESP32 microcontroller integrated with gas sensors (MQ2, MQ7, MQ135, PMS5003).
2. To transmit collected emission data to the ThingSpeak cloud for real-time visualization and analytics through live graphical dashboards.
3. To detect and capture vehicles emitting excessive smoke using a Raspberry Pi 4 equipped with a YOLOv8-based camera module.
4. To recognize and record vehicle details such as images and number plates when emission levels exceed the threshold, storing them in a structured CSV database.
5. To generate automatic alerts and maintain a cloud-based log system to support authorities in identifying and monitoring high-emission vehicles efficiently.

Methodology:

In the proposed project “Carbon Sense: Smart Vehicle Emission Monitoring System”, gas sensors such as MQ2, MQ7, MQ135, and PMS5003 are used to detect harmful gases and particulate matter from vehicle emissions. These sensors are interfaced with an ESP32 microcontroller, which processes the collected data and transmits it to the ThingSpeak cloud platform for real-time monitoring and visualization. A Raspberry Pi 4 is used as the processing unit for implementing Artificial Intelligence features.

A camera module captures images of vehicles, and the YOLOv8 model is used to detect smoke emissions. Optical Character Recognition (OCR) is applied to extract vehicle number plates from the captured images. The system continuously compares emission values with predefined threshold limits, and when emission levels exceed permissible limits, alerts are generated through a buzzer and displayed on an OLED screen. The data is also stored in the cloud for further analysis and tracking, ensuring accurate and real-time monitoring of vehicle emissions.

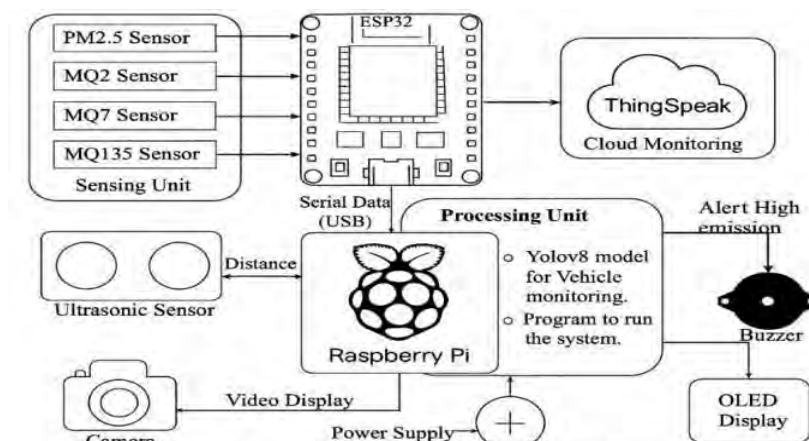


Figure 1: Block Diagram for Carbon Sense System.

Result and Conclusion:

The developed prototype successfully monitored vehicle emission parameters such as carbon monoxide (CO) and particulate matter (PM2.5) using MQ sensors and PMS5003. The system continuously collected data and transmitted it to the ThingSpeak cloud platform, where real-time graphs of emission levels were visualized. The YOLOv8 model accurately detected vehicles and identified smoke emissions using the camera module. Optical Character Recognition (OCR) was used to extract vehicle number plates for identification and record keeping. Alerts were generated through a buzzer and displayed on an OLED screen whenever emission levels exceeded predefined limits. The system demonstrated reliable performance in real-time monitoring and detection of high-emission vehicles. The integration of IoT and AI improved the accuracy and efficiency of emission monitoring compared to conventional methods. The developed model is cost-effective, scalable, and suitable for practical deployment. Overall, the project provides an efficient and automated solution for monitoring vehicle emissions and reducing air pollution.



Figure 2: Prototype Deployment



Figure 3: Sensor with ESP32



Figure 4: YOLO-Based Vehicle Detection



Figure 5: ThingSpeak Data Visualization

17.A TRANSPARENT BLOCKCHAIN MODEL FOR ENERGY TRADING

Project Reference No.: 49S_BE_0346

College : S J C Institute of Technology, Chikballapur

Branch : Information Science and Engineering

Guide : Mrs..Hamsalatha J

Student(s) : Mr.Prajwal R, Mr.Pranav Kaushik Y R, Mr.Rahul Bhargav R and Mr.Shreekar K

Keywords

Peer-to-Peer Energy Trading, Renewable Energy, Smart Contracts, Energy Tokenization, Blockchain, Decentralized Energy Market, Prosumer, Ethereum

Introduction

The rise of renewable energy has turned consumers into prosumers who both produce and use electricity. Traditional centralized energy systems are inefficient, costly, and offer low returns to small producers. Blockchain enables secure, transparent peer-to-peer energy trading without intermediaries. Smart contracts automate transactions, improving fairness and efficiency. However, challenges like scalability, regulation, and data reliability remain.

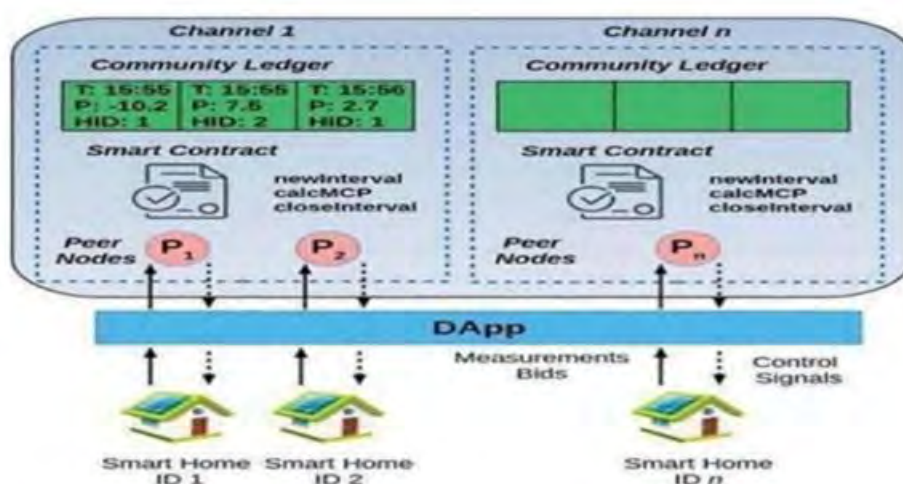
Objectives

1. Develop a decentralized blockchain-based platform enabling secure, transparent, and automated peer-to-peer (P2P) renewable energy trading between prosumers and consumers.
2. Deploy smart contracts on Ethereum to automate trade creation, validation, pricing, token issuance, and settlement without human or third-party intervention.
3. Implement an energy tokenization mechanism (ERC-20 tokens) that creates a one-to-one digital representation of physical energy units, enabling easy and auditable trading.
4. Apply a double-auction market-clearing algorithm off-chain to match buy and sell bids efficiently, then settle matched trades on-chain at a computed Market Clearing Price (MCP).
5. Ensure system security through end-to-end encryption, JWT-based authentication, role-based access control (producer/consumer/regulator), and protection against duplicate transactions and tampering.
6. Provide a React.js-based user dashboard for real-time monitoring of energy usage, token balances, bid history, and transaction records.

Methodology

1. Data Collection and Processing:

The system gathers real-time electric reading from smart meters, renewable sources, grid parameters, and user inputs. This information is cleaned, normalized, and synchronized to remove errors, handle missing values, and prepare consistent datasets for analysis.



2. Blockchain Integration and Smart Contracts:

All validated data is linked to a blockchain framework where smart contracts automate pricing, trading, and transaction settlement. Energy units are tokenized, and the consensus mechanism ensures secure, transparent, and tamper-proof energy exchanges between users.

3. Trading Execution and User Interaction:

The platform forecasts energy availability, updates dynamic prices, and executes trades in real time. Users interact through a dashboard displaying market trends, trading history, alerts, and insights that support informed decision-making.

Materials & Technologies

- Blockchain Platform: Ethereum (Hardhat for local development/testing)
- Smart Contract Language: Solidity — EnergyToken (ERC-20) and EnergyMarket contracts
- Backend: Node.js + Express.js with Web3/ethers.js for contract interaction
- Database: PostgreSQL (off-chain data — user profiles, bids, transaction summaries)
- Frontend: React.js with real-time charts and dashboards
- Hardware: Standard i5 processor, 8 GB RAM

Results And Conclusions

The implemented platform successfully demonstrated end-to-end P2P energy trading. Key results observed during testing and performance analysis include:

- All five formal test cases (invalid energy data, insufficient token balance, duplicate transaction, distributed ledger update, regulatory audit) passed with expected outcomes.
- A 5-minute market interval was created, bids were submitted, MCP was computed via double-auction, and tokens were transferred on-chain — the full cycle completed in under 30 seconds on a local Hardhat network.
- The dashboard showed real-time Grid vs. P2P cost comparison.
- Transaction history, bid summaries, and interval details were rendered accurately and in real time, confirming the transparency and usability of the platform.

Finally, the project validates that blockchain technology can effectively overcome the transparency, efficiency, and access barriers of conventional centralized energy markets.

18. OPERATIONAL BARRIERS AND CLAIM-PROCESSING INEFFICIENCIES IN THE ACCEPTANCE OF AYUSHMAN BHARAT PM-JAY PATIENTS IN PRIVATE HOSPITALS OF BIDAR DISTRICT OF KARNATAKA STATE

Project Reference Number: 49S_MBA_0093

College : Guru Nanak Dev Engineering College, Bidar

Branch : MBA

Guide : Dr. Jyoti Ainapur

Student(S): Mr. Abhya Sahukar, Mr. Aditya, Mr. Shreenath and Mr. Shradha

Keywords:

Ayushman Bharat, PM-JAY, Claim Processing Inefficiencies, Patient Satisfaction, Healthcare Service Quality, Rural Healthcare, Private Hospitals, Bidar District

Introduction:

Healthcare is one of the most essential services for improving the quality of life, especially in rural and economically weaker regions. The Government of India launched Ayushman Bharat Pradhan Mantri Jan Arogya Yojana (PM-JAY), a flagship health insurance scheme providing cashless treatment to vulnerable families in empanelled hospitals, including private healthcare institutions. Despite its wide coverage, implementation at the ground level faces significant challenges. In districts like Bidar, private hospitals show reluctance in accepting PM-JAY patients due to operational barriers such as delayed claim settlements, complex documentation procedures, and administrative inefficiencies. Patients in rural areas further face issues such as long waiting times, lack of awareness, denial of treatment, and inadequate infrastructure. This study investigates these gaps to provide practical insights that can improve service delivery, enhance trust in healthcare systems, and ensure better utilization of PM-JAY benefits in rural areas

Objectives:

1. To evaluate the quality of healthcare services in rural PHCs/CHCs of Bidar district based on parameters such as infrastructure, reliability, staff behaviour, responsiveness, and overall system efficiency.
2. To measure patient satisfaction levels across different taluks and identify major problems faced by PM-JAY beneficiaries, including delays, lack of awareness, and financial concerns.
3. To analyze the relationship between healthcare service quality dimensions and patient satisfaction, and to identify operational barriers in private hospitals in accepting PM-JAY patients.
4. To suggest practical and feasible improvements for enhancing service quality, streamlining claim-processing mechanisms, and ensuring effective utilization of PM-JAY benefits in rural Bidar.

Methodology:

The project adopts a descriptive and analytical research design to examine the operational challenges and service quality issues in healthcare delivery across rural taluks of Bidar district. A random sampling method is used to select 100 patients who have either availed or are aware of PM-JAY services, ensuring equal representation. Primary data is collected through a structured questionnaire capturing information on patient demographics, awareness of PM-JAY, service quality, satisfaction levels, and problems encountered during treatment. Secondary data is drawn from government reports, journals, and official publications related to PM-JAY implementation. A pilot study is conducted prior to final data collection to test questionnaire reliability and clarity. The collected data is entered into SPSS and analyzed using frequency analysis, percentage analysis, correlation, and regression to interpret relationships between service quality and patient satisfaction.

Result and Conclusion:

In conclusion, the study is expected to reveal significant gaps in the implementation of PM-JAY in private hospitals of Bidar district, particularly related to delays in claim processing, lack of coordination between hospitals and health authorities, and administrative inefficiencies that discourage private hospitals from actively participating in the scheme. Patient satisfaction is found to be influenced by multiple factors including waiting time, staff behaviour, availability of medicines, and infrastructure quality. Awareness about PM-JAY among rural patients remains limited, further reducing the utilization of available benefits. The study concludes that improving claim-processing systems, reducing administrative delays, enhancing infrastructure, and

conducting targeted awareness campaigns are essential steps for better healthcare delivery. A coordinated effort between government authorities and healthcare providers is crucial to ensure PM-JAY objectives are fully achieved and patients receive timely, affordable, and quality care.

19.WORM LIKE LOCOMOTIVE AND FLEXIBLE MESH ROBOT

Project Reference No.: 49S_BE_2087

College : Rajarajeswari College of Engineering, Bengaluru

Branch : Robotics and Automation

Guide(S) : Dr. Radhakrishna RK and Dr.T.C Manjunath

Student(S): Mr. Akshaye Kanna SV, Mr. Kumarswamy KP, Ms. Gnanashree N V and Ms. Spoorthi Janadri

Keywords:

Bio-inspired Robotics, Mesh based architecture, Hyper-redundant systems, Peristaltic motion, Kinematics model, Soft robotics.

Introduction:

This project involves the design of a low-cost, soft worm-like robot that mimics peristaltic crawling motion using a flexible mesh structure and an actuator. Inspired by earthworm locomotion, the robot is capable of crawling with rhythmic contraction and relaxation, powered by a motor-driven Bowden cable system. The mesh body is capable of stretching, compressing, and curving without damage, allowing the robot to fit through tight spaces. Its simplicity, modularity, and plug-and-play architecture make it suitable for applications like pipeline inspection, subsurface exploration, and education—an alternative that is both affordable and scalable to rigid robotic systems.

Objectives:

1. Design and build a soft robotic system that integrates worm-like locomotion with a flexible mesh structure model
2. Implement peristaltic motion to enable movement in confined spaces
3. Evaluate the robot's performance and energy efficiency
4. Enhance adaptability and safety for real-world applications such as pipeline inspection, movement in the pipeline with known distance (testing prototype)

Methodology

1. Design and Modeling

- Objective: To create and digitally model a flexible, worm-inspired robot.
- Tools Used: CAD software like SolidWorks or Fusion 360.
- Structure: The robot is made up of rhombus-shaped mesh segments crafted from medical-grade nylon pipes. These segments connect through X-shaped 3D-printed joints.
- Actuation Integration: Cable routing paths and attachment points were added to the CAD model to support tendon-based motion.

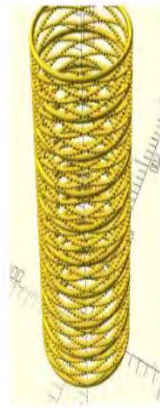
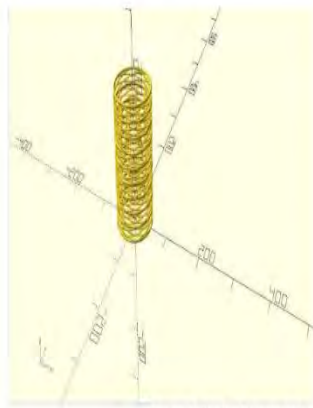


Figure 1: Design Parameters – Helical Rhombus Mesh

Feature	Updated Dimension / Value
Wire / Strand Thickness	4mm(→ wire radius = 2 mm)
Outer Diameter	100mm
Radius (from centre)	50mm
Total Length of Mesh	200mm
Number of Helices 6 Right-handed + 6 Left-handed	12 total.
Number of Horizontal Rings	10
Pitch of Helices	60mm
Rhombus Height (approx.)	35-40mm
Ring Spacing Evenly spaced along	200mm

2. Fabrication of Structural Components

- Materials: Medical-grade nylon pipes and 3D-printed joints.
- Assembly: Nylon pipes were cut to the same lengths and arranged in a crisscross pattern. Then, they were inserted into 3D-printed connectors to create the mesh structure.
- Output: A lightweight, flexible skeleton that supports actuation.

3. Actuation System Setup

- Actuator: A single high-torque motor (e.g., MG996R or Dynamixel XL-320) is mounted at the base.
- Transmission: Bowden cables (bicycle brake wires) transfer motor motion to different segments.
- Mechanism: A rotating cam mechanism pulls tendons in a phase-offset manner to mimic sinusoidal contraction, replicating peristaltic movement.

4. Electronics and Control Integration

- Controller: A microcontroller handles actuation cycles.
- Power Supply: It is powered by a 7.4V to 12V LiPo battery or a DC adapter.
- Control Logic: This was developed to provide timed signals for consistent and repeatable motion patterns that mimic a worm's movement.

5. Testing and Performance Evaluation

Multiple tests are conducted to assess functionality:

- **a. Locomotion Test:**
 - Surfaces: Smooth floor, textured board, soft foam.
 - Metrics: Distance per cycle, speed, and motion consistency.
- **b. Confinement Test:**
 - Setup: Simulated tunnels using nylon and foam channels.
 - Observations: Shape adaptability, curvature navigation, and recovery after deformation.
- **c. Energy Consumption Test:**
 - Goal: To measure voltage/current usage and assess energy efficiency for battery-based use.

Result and Conclusion:

The soft robot is designed to produce worm-like peristaltic motion by the use of an elastic nylon mesh structure combined with a single-actuator tendon system. It is intended to be low cost,

modular, and easy to replicate, so it is appropriate for practical, experimental, and educational purposes.

Key Findings:

- **Successful Locomotion:** The robot can move rhythmically in expansion and contraction of its segments closely mimicking earthworm movement.
- **Flexibility:** It freely moves, exhibiting elasticity and recovery when deformed.
- **Structural Reliability:** The mesh material and 3D-printed joints impart strength and retain shape when loaded.
- **Basic Regulation:** A single motor with an open-loop setup perfectly regulates all elements, hence simplifying electronic systems and reducing costs.
- **Reproducible Performance:** The robot is performing under various test environments, showing its robustness and reliability.

Conclusion: The project illustrates the feasibility of realistic, bio-inspired crawling motion with simple, inexpensive materials and one actuator. Although there are issues such as slippage on smooth surfaces and occasional tendon readjustment, these can be improved upon in subsequent designs. The robot as a whole has great promise for use in pipeline crawling, medical devices, and search-and-rescue, where flexibility and compactness are priorities.

20. EXPERIMENTAL AND IMAGE PROCESSING FRAMEWORK FOR EVALUATING DEFORMATION IN ELASTOMERIC BEARINGS UNDER STATIC COMPRESSION

Project Reference No.: 49S_MTECH_0010

College : Dayananda Sagar college of Engineering, Bengaluru

Branch : Civil Engineering

Guide (S) : Mrs. Meghashree M

Student (S) : Ms. Sai Pranathi R

Keywords:

Elastomeric Bearing, Digital Image Processing, MATLAB, Deformation Analysis, Stress-Strain, Machine Learning

Introduction:

1. Elastomeric bearings are widely used in bridges and structural systems to transfer loads and allow controlled deformation. Their behaviour under compression is critical for ensuring structural safety and durability.
2. Traditional measurement methods such as dial gauges provide limited information about deformation behaviour. To overcome this, image processing using MATLAB is adopted as a non-contact method for analysing deformation.
3. In this project, elastomeric bearings are tested under static compression using a Universal Testing Machine (UTM). Deformation is evaluated using both experimental readings and MATLAB-based image analysis. In addition, machine learning techniques are introduced to develop predictive models for deformation behaviour.

Objectives:

1. To experimentally investigate the deformation behaviour of elastomeric bearings under static compression loading.
2. To establish the stress strain properties and energy absorbing property of elastomeric bearings of various sizes.
3. To analyse deformation using MATLAB-based image processing techniques.
4. To compare the results of the experiment with the results of image processing to ensure accuracy.
5. To create a machine learning-based deformation behaviour prediction method on elastomeric bearings

Methodology:

The project is carried out in four phases:

1. **Experimental Phase:** The elastomeric bearings of various sizes (100×150×30 mm, 200×250×41 mm, and 400×250×60 mm) are subjected to compression through a Universal Testing Machine. Values of load and deflection are measured and stress strain and energy absorption properties are taken.
2. **Image Processing Phase:** MATLAB is used to analyse images taken before and after deformation to establish deformation through geometry changes.
3. **Machine Learning Phase:** Datasets are prepared with the help of experimental and MATLAB results and machine learning models including SVM, Random Forest, and Gradient Boosting are suggested to forecast deformation behaviour.
4. **Comparison Phase:** Comparison of experimental and MATLAB analysis results is done to assess accuracy and reliability.

Result and Conclusion:

The experimental outcomes suggest that the deformation behaviour of the elastomeric bearings comprises significant variation with the size and the applied load. The bearing with the dimensions of 200 x 250 x 50 mm was more rigid and had more load bearing capability, but the bearing with the dimensions of 100 x 150 x 30 mm had more deformation and higher energy absorption.

The bearing that was 400 × 250 × 30 mm exhibited relatively lower stress values in compression. The stress strain curve and the energy taking curve of the experimental analysis are a clear indication of the nonlinear behaviour of the elastomeric materials.

The image processing outcomes obtained using MATLAB are comparable to the experiment results with slight deviation, which proves the usefulness of the non-contact technique in deformation analysis. DIP-based deformation of elastomeric bearings of different sizes at maximum load levels: (a) 100×150×30 mm, (b) 200×250×50 mm, (c) 400×250×60 mm.

The framework is machine learning based and is still under development and the datasets have been prepared based on experimental and MATLAB outcomes. The models are under development to forecast the deformation behaviour depending on the load and bearing dimensions.

Finally, the project effectively illustrates a combined method with experimental testing and MATLAB-based image processing, and current research on machine learning to predictive analysis is being done.

21.AUTONOMOUS PATH PLANNING FOR UAVS

Project Reference No.: 49S_BE_4390

College : Dayananda Sagar College of Engineering, Bengaluru

Branch : Aeronautical Engineering

Guide : Dr. Ramaseshan Satagopan

Student(S): Ms. Gayatri Mattaparti, Ms. Rishika Prasad K S and Ms. Soundarya M

Keywords:

Collision Tolerant, Mechanical Gimbal, Inspection, drone cage, unmanned sewage inspection, UAV path planning, A* algorithm, Artificial Potential Fields, YOLOv8, obstacle avoidance, deep learning, ROS, Gazebo simulation, autonomous navigation, dynamic environments

Introduction:

UAVs are increasingly used for infrastructure inspection, pipeline monitoring, and surveillance in environments that are too dangerous for humans to enter safely. The core challenge in making these vehicles truly autonomous is path planning, and no single algorithm handles it well enough on its own. A* finds optimal routes on known maps but cannot react when obstacles move, while APF adjusts in real time but gets trapped at local minima in complex environments. This project combines both methods into a single hybrid framework, using A* for global route generation and APF for real-time local avoidance, with YOLOv8 object detection added so the system understands what it is avoiding rather than just reacting to positions. The complete three-layer system was built and validated inside a ROS-Gazebo simulation environment that models realistic UAV flight dynamics and moving obstacle agents. The longer-term goal is deployment on a physical quadcopter, with the simulation results serving as the baseline that hardware testing will build on.

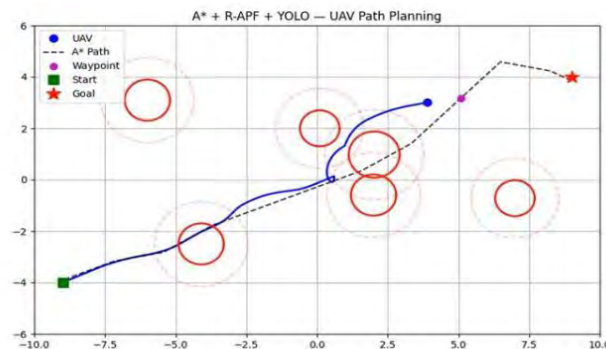


Figure 1: Hybrid Path Planning with global Local guidance.

Objectives:

1. To understand the importance and necessity of path planning in UAVs
2. To learn the popular path planning algorithms
3. To implement traditional path planning methods (e.g., A*) as a baseline for UAV navigation and analyze their limitations.
4. To develop a hybrid path planning framework combining A* global planning and APF local avoidance into a single system capable of handling both static and dynamic obstacles in a UAV flight environment.
5. To integrate YOLOv8 object detection into the planning pipeline so that avoidance behaviour adapts based on what an obstacle actually is, not just where it is located.

6. To validate the proposed algorithm through simulation experiments and compare its performance with traditional methods in terms of reaching the goal state in less time.
7. To integrate and test the algorithm on a small quadcopter platform for real-world demonstration.

Methodology:

1. Literature survey (review path planning algorithms): This initial step involved thoroughly researching existing path planning techniques, such as A* and RRT, to understand their principles, strengths, and weaknesses before designing a new approach.
2. Baseline implementation (implement A* algorithm): A foundational A* search was implemented first to establish a basic, functional path planner against which the performance and complexity of subsequent, more advanced algorithms could be measured.
3. Performance analysis (identify limitations of A*): This phase involved rigorous testing of the A* implementation, specifically noting its lack of efficiency and inability to handle real-time dynamic obstacles or non-grid-based motion smoothly.
4. Constraint integration (apply UAV constraints): Real-world limits specific to the UAV, such as its maximum flight range, turning radius, and required obstacle clearance distance, were mathematically incorporated into the planning model.
5. Algorithm development (design real-time path planning method): The core task was creating a novel method by integrating A* and Artificial Potential Fields that addresses the identified limitations by integrating prediction, dynamic tangent calculation, and force-based guidance for smooth, real-time path generation.
6. YOLOv8s was trained on a custom aerial dataset covering three obstacle classes using the Ultralytics framework with standard augmentation including horizontal flipping, mosaic composition, and HSV color jitter, then exported to ONNX format for inference.
7. Simulation & testing (validate algorithm): The newly developed algorithm was rigorously tested using computational models to verify its ability to find safe paths effectively in both static environments (fixed buildings) and challenging dynamic environments (moving objects).
 1. Performance comparison (compared with traditional methods): The final algorithm's efficiency, speed, and safety were measured directly against the baseline A implementation and other standard techniques to show how much better it is.
 2. Prototype demonstration (implemented on small quadcopter): The final successful method was tested on a small quadcopter to confirm its performance and reliability in the real hardware test environment.

Result and Conclusion:

The hybrid A*/APF system was tested across 50 randomized simulation trials at varying obstacle densities, and it finished 94% of them successfully. Standalone A* managed 78% and standalone APF came in at 71%, so the hybrid outperformed both by a meaningful margin. APF alone failed most often in dense scenarios where repulsive forces from clustered obstacles cancelled each other out and left the vehicle with nowhere to go. A* alone failed whenever a moving obstacle crossed the pre-computed path mid-flight, since the planner had no mechanism to react once the route was set. Running both together in the same loop removed both failure modes without adding significant computational overhead. YOLOv8 reached an overall mAP@0.5 of 0.89 across the three obstacle classes trained on the custom aerial dataset. UAV detection came in highest at 0.92 precision, which was the most

operationally critical number because a false positive on that class triggers an unnecessary speed boost and wastes battery mid-mission.

In Conclusion, this project built and tested a three-layer autonomous navigation framework combining A* global planning, APF reactive avoidance, and YOLOv8 object classification inside a ROS/Gazebo simulation, with each layer covering a gap the other two cannot handle alone. The hybrid system achieved a 94% mission success rate across 50 randomized trials, outperforming standalone A* and standalone APF by 16 and 23 percentage points respectively, while keeping path length overhead at just 8.1%. YOLOv8 delivered an overall mAP@0.5 of 0.89 across three obstacle classes, with UAV detection precision reaching 0.92, which was critical because the speed-scaling behaviour is only as good as the trigger that fires it. Compared against four published hybrid UAV planners, this framework achieved the highest reported mission success rate, with classification-driven speed adaptation being the one feature that prior systems did not include. Everything here was demonstrated in simulation, and closing the gap to real outdoor flight through hardware-in-the-loop testing is the work that comes next.

22.MONO-WHEEL EV

Project Reference No.: 49S_BE_5808

College : AMC Engineering College, Bengaluru

Branch : Artificial Intelligence and Machine Learning

Guide : Prof. Subhashri C

Student(s) : Mr. Kadarla Shanmukha Shiva Raja Chari, Mr. Pratheek B K, Mr. Pratheek S Y and Mr. V Pruthviraj Gowda

Keywords:

Mono-wheel EV, Gyro-based control, IMU, Embedded systems, Electric mobility, DAC-based throttle

Introduction:

Industrial mobility and transportation systems are evolving toward compact, efficient, and sustainable solutions. Electric vehicles reduce emissions, improve energy efficiency, and provide cost-effective alternatives to conventional systems. This project focuses on a Mono-Wheel Electric Vehicle (EV) that uses sensor-based control instead of traditional mechanical throttles. An Inertial Measurement Unit (IMU) continuously monitors tilt and orientation, allowing real-time control of vehicle motion. The system integrates embedded electronics, control algorithms, and mechanical design to create a compact and responsive personal mobility solution.

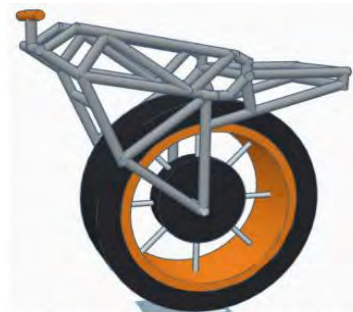


Figure 1: 3D rendering of the model

Objectives:

1. Study and analyze electric vehicles and sensor-based control systems
2. Design and fabricate a compact mono-wheel vehicle structure
3. Implement IMU-based sensing for tilt detection and motion control
4. Develop embedded control logic for smooth and stable motor operation.

Methodology:

The project is implemented using a combination of hardware and software subsystems:

1. **Sensing:** IMU (MPU6050) detects tilt and motion
2. **Processing:** Arduino microcontroller processes sensor data
3. **Control Logic:** Filtering + dead zone + tilt mapping
4. **Signal Generation:** DAC converts digital signals to smooth analog throttle
5. **Actuation:** Motor controller drives hub motor
6. **Battery Pack:** A 20s5p, 74v 14.5aH. Li-ion battery pack to power the entire system.

Steps:

1. Acquire sensor data
2. Apply filtering to remove noise
3. Compute tilt angle
4. Apply control logic (dead zone + limits)
5. Generate analog voltage via DAC
6. Drive motor accordingly

Result and Conclusion:

The system successfully demonstrated gyro-based speed control using tilt input. Key outcomes:

1. Smooth acceleration and deceleration achieved
2. Reduced motor jerks using DAC instead of PWM
3. Stable and predictable control behavior
4. Reliable sensor readings with filtering

The project proves that sensor-driven control is feasible for compact EV systems, though full self-balancing was not implemented.



Figure 2: Working model in Environment.



Figure 3: System Flow Block Diagram.

23.AID ALTOGETHER – FROM CODE-SWITCHING TO COMMUNITY MATCHING

Project Reference No.: 49S_BE_5371

College : B.N.M. Institute of Technology, Bengaluru

Branch : Artificial Intelligence and Machine Learning

Guide(s) : Mr. Mohanesh B M

Student(s) : Mr. M Harshith, Mr. Kamal Kumar Jangir and Mr. Mustkim Khan

Keywords:

AI-Based Community Platform, Graph Neural Networks, Recommendation System, Two-Tower Model, Semantic Embeddings, Geospatial Analysis, Interactive Map, Community Detection, Event Discovery, Agentic AI, Retrieval-Augmented Generation.

Introduction:

Migration to new cities often leads to social isolation and difficulty in finding like-minded communities. Existing platforms mainly focus on generic networking and lack location-aware,

community-driven connections. ALTogether addresses this gap by providing an AI-based platform that connects users with similar individuals nearby using recommendation systems, geospatial mapping, and event discovery. The system integrates advanced technologies like Graph Neural Networks, semantic embeddings, and conversational AI to enhance user experience and enable seamless community building.

Objectives:

1. Develop an AI-Based Platform for Community Discovery.
2. Implement Graph-Based User Recommendation System.
3. Enable Interactive Map to Locate Nearby Users
4. Provide Event Discovery and Community Activities.
5. Integrated Conversational AI Assistant for User Queries and local laws support using RAG based system.

Methodology:

The project collects and stores user profile data including identity, location, and interests to build a comprehensive user base. Structured data is encoded using One-Hot Encoding (Tower 1), while semantic information from user descriptions is transformed into embeddings using Sentence Transformers (Tower 2). These features are then fused to create a unified representation, which is used to construct a user similarity graph. A Graph Attention Network (GAT) is trained on this graph to generate accurate recommendations. Users are ranked based on a combination of similarity, geographical proximity, and personal preferences. The system further integrates an interactive map and event module for real-time visualization and engagement. Additionally, an agentic AI along with a Retrieval-Augmented Generation (RAG) system is incorporated to handle user queries and provide legal assistance.

Result and Conclusion:

In conclusion, the project successfully develops a comprehensive AI-driven community platform that integrates multiple components such as user recommendations, interactive maps, events, and an intelligent assistant. The hybrid recommendation approach, combining structured data and semantic embeddings, enhances the accuracy of user matching. The use of a Graph Attention Network further improves community-based recommendations, while geospatial features enable real-time discovery of nearby users and events. The platform promotes user engagement through connection and event participation features. Additionally, the integration of agentic AI and a RAG-based system provide effective query handling and legal assistance. Overall, the project demonstrates a scalable and efficient solution for improving social connectivity and community integration.

24.CLEVER LEARN: AI-POWERED CONVERSATIONAL PDF ASSISTANT

Project Reference No.: 49S_BE_0931

College : New Horizon College of Engineering, Bengaluru

Branch : Department of Artificial Intelligence & Machine Learning

Guide(s) : Dr. N V Uma Reddy

Student(s) : Ms. Deekshitha D Ganiga, Ms. Harshitha P Shetty, Ms. Saloni Jangid and Mr. Suyash Ganesh Patil

Keywords:

Artificial Intelligence (AI), Natural Language Processing (NLP), Conversational AI, PDF Analysis, Document Summarization, Question Answering System, Machine Learning, Chatbot, Personalized Learning, Information Retrieval.

Introduction :

1. Clever Learn: AI Powered PDF Assistant is an advanced web application developed using TypeScript, React, and Tailwind CSS, designed to redefine user interaction with digital documents. Built to address the challenges of static document engagement, Clever Learn leverages Natural Language Processing (NLP) and AI to enable intuitive, intelligent communication with PDF files. In an era where rapid information access and personalized learning are critical, Clever Learn empowers users to dynamically query, analyze, and generate insights from documents in real-time.
2. The application supports a wide array of functionalities such as AI-driven Q&A, flashcard generation, quiz creation, and video summarization, ensuring versatility and adaptability across academic, research, and professional domains. Clever Learn employs cutting-edge machine learning models including BERT, GPT, and T5 to interpret queries, summarize content, and provide context-aware responses. Through its modular architecture, the application ensures robust data management, efficient content processing, and secure user authentication.
3. In the modern digital landscape, the way individuals interact with information is undergoing a profound transformation. Traditional document formats like PDFs, while widely used in academic, corporate, and research settings, are inherently static and often present challenges in information retrieval, personalized learning, and dynamic interaction. Users are typically required to manually search through large volumes of content, which can be time-consuming and cognitively exhausting. Clever Learn addresses these challenges by transforming passive reading experiences into active learning sessions.

Objectives :

The primary aim of this project is to develop an intelligent, user-friendly, and interactive web application that transforms static PDF documents and video content into dynamic learning experiences. The system leverages AI and NLP to enhance the way users consume, comprehend, and interact with educational or informational materials.

- I. **Enable AI-Powered Interaction with PDF Documents:** Provide users with the ability to engage in meaningful conversations with their PDF files using advanced NLP models that respond with contextually accurate answers.
- II. **Facilitate Personalized Learning through Automated Content Generation:** Automatically generate customized educational resources such as flashcards, multiple-choice quizzes, and summaries based on the content of PDFs or video transcripts.
- III. **Support Video-Based Learning and Summarization:** Allow users to input YouTube video links and receive concise, structured summaries of the video content to enable more efficient engagement with multimedia learning materials.
- IV. **Design an Intuitive, Accessible, and Responsive User Interface:** Build a clean, responsive UI using React and Tailwind CSS, ensuring a seamless experience across desktop, tablet, and mobile devices.
- V. **Implement a Modular, Scalable, and Secure Backend Architecture:** Support modular processing of different content types, efficient document parsing, robust data storage, and secure user authentication.
- VI. **Incorporate State-of-the-Art NLP and Machine Learning Models:** Integrate leading machine learning models such as BERT, GPT, and T5 for question answering, summarization, keyword extraction, and contextual understanding.

- VII. **Promote Active Engagement and Knowledge Retention:** Convert passive reading into an active, interactive process to promote more effective study habits and deeper comprehension.
- VIII. **Ensure Versatility Across Use Cases:** Design the platform to be versatile enough to support various user groups — students, educators, researchers, and corporate professionals — across different subject areas and document formats.

Methodology:

The project utilizes a modern web development stack combined with AI services to deliver intelligent PDF interaction.

- I. **React.js:** React is used to build a fast, modular, and interactive user interface. It allows the application to update dynamically without full page reloads, improving user experience. Hooks such as `useState` and `useEffect` are extensively used for state management and event handling.
- II. **TypeScript:** Utilized as the core programming language to enhance JavaScript with strong static typing and object-oriented patterns. It enables developers to catch errors during development rather than at runtime, reducing bugs and improving code maintainability.
- III. **Tailwind CSS:** Used for styling the application, ensuring a clean, modern, and responsive UI without writing custom CSS from scratch. Its utility-first classes allow for rapid prototyping and consistent layout styling across the interface.
- IV. **Next.js:** Provides server-side rendering and file-based routing. It ensures better performance, SEO support, and efficient handling of dynamic content through route-based code splitting and optimized bundle sizes.
- V. **Node.js:** Acts as the backend runtime environment for handling requests and APIs. Its asynchronous, non-blocking I/O allows high performance and scalability for managing concurrent requests.
- VI. **PRISMA ORM:** A modern Object-Relational Mapping tool used for managing and querying the database. User details, uploaded documents, chat history, and AI-generated outputs are stored and managed using Prisma, ensuring type-safe and efficient data operations.
- VII. **OpenAI GPT Models:** These models power natural language understanding, enabling features like Q&A, summarization, and flashcard creation from PDF content. Techniques such as embedding-based semantic search, transformer-based summarization (T5, GPT), and named entity recognition are used to deliver context-aware responses.
- VIII. **Vercel:** A cloud platform used to deploy and host the application. It supports continuous deployment and ensures fast, global delivery of the web app. In Clever Learn, Vercel enables efficient delivery of AI-powered features, low-latency API responses, and seamless scalability.

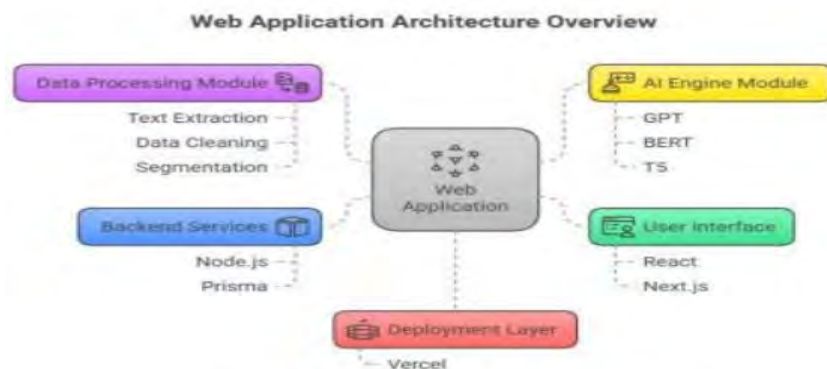


Figure 1: Web Application Architecture Overview

Result and Conclusion:

- I. The prototype of CleverLearn was deployed as a full-stack web application and tested using representative inputs: textbook chapters in PDF, research articles, technical documentation, and YouTube educational lectures. For PDF-based interaction, users uploaded documents and performed tasks such as asking factual and conceptual questions, requesting section-wise summaries, and generating flashcards and quizzes. The system consistently returned context-aware answers and produced coherent summaries and learning resources.
- II. The summarization module achieved an average accuracy of 91.7% (measured via semantic and cosine similarity against expert-prepared content). The Q&A module evaluated across 120 questions showed 89% of responses were correct and context-appropriate, with an average response time of 1.6 seconds. About 85% of participants felt quizzes were helpful for revision, and 90% rated flashcards as "very good" or "excellent." User satisfaction stood at 93% positive feedback, and users reported approximately 40% time saved compared to manual study methods.
- III. The Clever Learn PDF Assistant provides a comprehensive and intelligent solution for seamless interaction with digital documents. By integrating a secure user authentication process, an interactive dashboard, and advanced AI-driven Q&A capabilities, Clever Learn revolutionizes how users access and manage their documents. The modular design ensures robust data management while prioritizing user privacy and security, making it suitable for a growing user base of researchers, students, and professionals.

25.PECTIN-ENHANCED RECYCLED TISSUE PAPER: A SUSTAINABLE GREEN TECHNOLOGY AS AN ALTERNATIVE TO VIRGIN PULP FOR THE MODERN PAPER INDUSTRY

Project Reference No.: 49S_MSC_0183

College : Garden City University, Bengaluru
Branch : Biochemistry
Guide : Dr. Preethi Rajesh
Students : Ms. Prakruthi V R and Ms. Deepika K A

Keywords

Pectin, Recycled paper, Citrus peel waste, Biodegradable tissue, Water absorption, Glycerol, Circular economy, Sustainable materials

Introduction

The global demand for tissue paper has been rapidly increasing, reaching approximately 44 million tons in 2023 and projected to grow further. However, conventional tissue production relies heavily on virgin wood pulp and chemical-intensive processes, leading to deforestation, environmental degradation, and high energy consumption. Recycling paper offers a sustainable alternative, but recycled fibers often suffer from reduced strength, softness, and absorbency due to structural degradation during processing. To address these limitations, natural bio-based additives such as pectin have gained attention. Pectin, a biodegradable polysaccharide extracted from citrus waste like pomelo peels, exhibits excellent water-binding and gel-forming properties. Incorporating pectin into recycled pulp can enhance fiber bonding, improve moisture retention, and restore softness. Additionally, softening agents such as glycerol, gelatin, and polyvinyl alcohol (PVA) can further improve flexibility and texture. This

study explores a green and cost-effective approach to produce high-quality tissue paper from recycled pulp reinforced with pectin. By utilizing both fruit waste and paper waste, the project aligns with circular economy principles, reducing environmental impact while creating value-added biodegradable products. This approach presents a sustainable alternative to conventional tissue paper manufacturing.

Objectives

1. To extract pectin from pomelo peels using an eco-friendly method
2. To incorporate pectin into recycled paper pulp
3. To evaluate the effect of varying pectin concentrations on tissue properties
4. To enhance flexibility using softening agents (glycerol, gelatin, PVA)
5. To analyse water absorption capacity and mechanical properties
6. To identify the optimal formulation for strength and softness
7. To develop a sustainable alternative to virgin pulp-based tissue paper

Methodology:

Diagrammatic Representation of Methodology: Pectin was extracted from pomelo peels using citric acid-assisted hot aqueous extraction followed by ethanol precipitation. The extracted gel was dried and powdered. Recycled paper was deinked and converted into pulp using a high-speed blender. Different concentrations of pectin (1.96–7.41 wt.%) were added to the pulp to prepare multiple formulations. A control sample without pectin was also prepared. For optimization, softening agents such as glycerol, gelatin, and PVA were added individually at 5% and 10% concentrations relative to pectin content. The pulp mixtures were cast into sheets using a mesh frame and dried under controlled conditions. The prepared sheets were conditioned at room temperature for 48 hours to stabilize moisture content. Water absorption capacity was evaluated by immersing pre-weighed samples in water for specific time intervals and calculating percentage absorption. Flexibility and brittleness were assessed using fold endurance tests and qualitative ratings. Comparative analysis was performed between control and treated samples to determine improvements in strength, softness, and absorbency. The optimal formulation was identified based on performance metrics.



Results & Conclusions

1. The extraction process yielded approximately 20% pectin from pomelo peels, demonstrating efficiency using a simple and eco-friendly method. Incorporation of pectin significantly improved the physical properties of recycled paper.
2. Among the tested formulations, 4.76 wt.% pectin (P3) showed the best balance between strength, softness, and flexibility. Lower concentrations resulted in weaker sheets, while higher concentrations caused increased stiffness.
3. Water absorption capacity increased notably in pectin-treated samples compared to control, confirming enhanced hydrophilicity. The addition of softening agents further improved flexibility.
4. Glycerol at 10% concentration exhibited the best performance, producing highly flexible and soft sheets. Gelatin provided moderate improvement, while PVA enhanced structural stability but was less effective in softness.
5. Overall, the study confirms that pectin significantly enhances recycled tissue quality and, when combined with glycerol, produces an optimal biodegradable product.

26.MULTI-DIALECT TRANSLATION APP: ENHANCING COMMUNICATION ACROSS KARNATAKA BY FACILITATING INTERACTION BETWEEN FARMERS, TOURISTS AND LOCALS

Project Reference No.: 49S_MCA_0068

College : Nitte Meenakshi Institute of Technology, Bengaluru

Branch : Master of Computer Applications

Guide(s) : Dr. Sathish P and Mr. Channabasava P

Student(s) : Mr. Pradeep C, Mr. Prasanna Vighneshwar Bhat, Ms. Supritha D and Mr. Vivek Y

Keywords:

Regional Dialect Translation, Speech Recognition, Natural Language Processing, Rural Communication Support

Introduction:

1. Karnataka is a linguistically diverse state where Kannada is spoken in several regional dialects across different districts. Although these dialects represent the cultural richness of the state, they often create communication difficulties among people from different regions. Farmers interacting with traders, tourists communicating with local residents, and citizens accessing services outside their native areas frequently face challenges due to variations in pronunciation and vocabulary. This creates a need for a practical solution that can support better understanding across dialects.
2. Advancements in speech recognition and natural language processing technologies make it possible to develop systems that can identify and translate dialect variations effectively. The proposed project aims to develop a hybrid mobile application that translates regional Kannada dialects into standard

Kannada and English. The application is designed to support real-time communication and improve interaction among farmers, tourists, and local communities across Karnataka.

Objectives:

1. To develop a mobile application that translates regional Kannada dialects into standard Kannada and English.
2. To recognize different Kannada dialects using speech recognition techniques.
3. To identify dialect variations using natural language processing methods.
4. To provide real-time translation support through voice-based interaction.
5. To promote linguistic inclusivity and preserve regional language diversity using AI-based technology.

Methodology:

1. The proposed system follows a structured approach to develop a mobile-based Kannada dialect translation application. Initially, user requirements are identified by understanding communication difficulties faced by farmers, tourists, and local residents across different regions of Karnataka. Based on these needs, a hybrid mobile platform is selected to support both accessibility and flexibility.
2. The application accepts voice or text input from users through a simple interface. The speech input is processed using a Speech-to-Text module that converts spoken dialects into text format. The converted text is then analyzed using a dialect identification module to recognise the regional variation of Kannada.
3. Natural Language Processing techniques are applied to process the identified dialect for accurate translation. The translation engine converts the detected dialect into standard Kannada or English based on user selection. The translated output is further converted into audio form using a Text-to-Speech module for better usability.
4. Lightweight machine learning models are integrated to improve translation performance and response time. Offline support is considered to ensure the application can function in areas with limited internet access. The system is tested using speech samples collected from different regions to verify translation accuracy. Finally, the application is deployed as a hybrid mobile solution to support real-time communication across regional dialects in Karnataka.

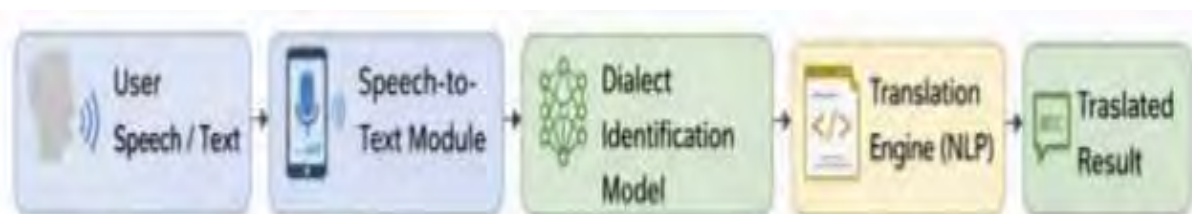


Figure 1: Working Architecture of Proposed Dialect Translation System

Result and Conclusion:

1. The developed application successfully demonstrates the ability to recognize and translate regional Kannada dialects into standard Kannada and English. The system accepts both voice and text inputs and processes them effectively using speech recognition and natural language processing techniques. The dialect identification module shows reliable performance when tested with speech samples collected from different regions of Karnataka. The translation engine produces understandable outputs that support basic communication between users from different linguistic backgrounds.
2. The integration of text-to-speech functionality further improves usability by providing audio responses for translated content. The hybrid mobile platform ensures accessibility for users across different devices with minimal technical complexity. The application is especially useful for farmers, tourists, and local residents who face communication challenges due to dialect variations. Overall, the project demonstrates that AI-based dialect translation can serve as a practical solution for improving regional communication. The results indicate that such systems can contribute to linguistic inclusivity while supporting real-time interaction across diverse regions of Karnataka.

27.AUTOMATED BCS DRUG CATEGORIZATION USING MACHINE LEARNING: AN EXPLAINABLE AI APPROACH FOR BCS CLASSIFICATION SYSTEM

Project Reference No.: 49S_BE_1530

College : PES University, Bengaluru

Branch : Computer Science

Guide(s) : Dr Prajwala T R and Dr Saniya Jawed

Student(s) : Mr Hari Kiran K, Mr Hari Shankar, Ms Krupa S and Mr Rhushya KC

Keywords:

Biopharmaceutics Classification System (BCS), Drug Classification, Molecular Descriptors, RDKit, LightGBM, Random Forest, XGBoost, CatBoost, Explainable Artificial Intelligence (XAI), SHAP (SHapley Additive exPlanations), Solubility Prediction (LogS), Molecular Fingerprints (ECFP4), Drug Discovery, Pharmacokinetics, Predictive Modelling

Introduction:

The Biopharmaceutics Classification System (BCS) is an important framework in pharmacology that classifies drug substances based on their solubility and permeability characteristics. Introduced in 1995, BCS has played a significant role in modern drug development, formulation strategies, and regulatory decision-making. The system provides a scientific basis for predicting the oral bioavailability of drugs, which is essential for understanding how effectively a drug is absorbed into the bloodstream after oral administration. Based on these physicochemical properties, drugs are classified into four categories: Class I (high solubility, high permeability), Class II (low solubility, high permeability), Class III (high solubility, low permeability), and Class IV (low solubility, low permeability). This classification

helps researchers and regulatory authorities better understand the pharmacokinetic behaviour of drugs and supports the development of effective pharmaceutical formulations.

Despite its importance, traditional BCS classification methods rely on laboratory experiments that are often time-consuming, costly, and resource-intensive. These experimental procedures require specialised equipment and extensive testing, which makes them unsuitable for rapid screening during the early stages of drug discovery. With the increasing number of potential drug candidates being developed, there is a growing need for faster and more efficient computational approaches to predict BCS classes. Recent research has explored the use of machine learning techniques to analyse molecular descriptors and predict drug properties more efficiently.

In this project, a machine learning-based approach is proposed to automate the BCS classification process using molecular descriptors derived from drug structures. Techniques such as Random Forest, XGBoost, and CatBoost are used to build predictive models for classifying drugs into the four BCS categories. Additionally, explainable artificial intelligence techniques like SHAP (SHapley Additive exPlanations) are incorporated to interpret model predictions and identify the key molecular features influencing classification. This approach aims to provide a faster, scalable, and more transparent method for predicting BCS classes, supporting pharmaceutical researchers in drug development and formulation design.

Objectives:

1. To develop a machine learning system for automated classification of drugs into BCS Classes I–IV.
2. This study aims to extract molecular descriptors and fingerprints from drug structures using RDKit.
3. The goal is to predict aqueous solubility (LogS) and perform BCS classification using models like Random Forest, XGBoost, and CatBoost.
4. Evaluate and compare different machine learning models to identify the best-performing approach.
5. We aim to incorporate Explainable AI techniques and create an interactive interface that facilitates real-time prediction and interpretation.

Methodology:

The Biopharmaceutics Classification System (BCS) is an important framework in pharmaceutical research that is used to categorise drug molecules based on their solubility and permeability. It helps researchers estimate oral drug absorption and design effective formulation strategies. By grouping drugs into four classes, BCS assists in understanding how drugs behave inside the human body. This classification plays a crucial role during drug development and regulatory evaluation. Traditional laboratory-based methods used to determine BCS classes are highly accurate. However, these experimental procedures are slow, expensive, and resource-intensive. They also require specialised laboratory equipment and trained personnel. Because of these limitations, traditional methods are not suitable for rapid screening of large numbers of drug candidates in the early stages of drug discovery.

To address these challenges, this project proposes a comprehensive machine-learning-driven pipeline that automates the BCS classification process. The system integrates molecular descriptors, predictive modelling, and explainable artificial intelligence techniques to provide accurate and interpretable predictions. As part of this pipeline, dataset preparation is carried out to ensure data quality and reliability. Two datasets are used: a solubility dataset containing approximately 9,943 drug compounds with SMILES and LogS values and a BCS-classified dataset consisting of 390 drugs with known class labels.

The data is collected from publicly available sources and preprocessed by removing invalid or non-canonical SMILES representations and handling missing values using RDKit. The cleaned dataset is then split into training and testing sets for model development and evaluation.

The process begins with user-provided SMILES strings that represent the molecular structure of drug compounds. These SMILES strings are converted into detailed physicochemical descriptors using the RDKit cheminformatics toolkit. These descriptors capture important molecular properties that influence drug behaviours. Next, a regression model is used to predict aqueous solubility (LogS), which is a key factor in BCS classification. After estimating solubility, a comparative evaluation of three machine learning classification algorithms is performed. The algorithms used in this project include Random Forest, XGBoost, and CatBoost.

Among these models, CatBoost has shown promising preliminary results in early evaluations. It appears to offer better balance across the four BCS classes compared to the other models tested so far. A comprehensive evaluation is currently underway to confirm the most suitable model for the final pipeline. To enhance transparency and interpretability, explainable AI techniques are planned to be incorporated into the system in the next phase. Specifically, SHAP (SHapley Additive exPlanations) is being explored to interpret both solubility predictions and classification decisions. The integration of SHAP analysis is currently in progress and will be completed as part of the remaining work.

Once SHAP analysis is fully integrated, the system is expected to reveal the influence of key physicochemical properties such as lipophilicity, polar surface area, and molecular weight on BCS class predictions. These insights will be validated and reported in the final phase of the project. As part of the remaining work, a lightweight interactive interface is planned to be developed. This interface will allow users to input drug molecules, visualise model predictions, and explore the explanation results. The design and first prototype of this interface are not done yet.

Overall, this project is progressing towards demonstrating how machine learning and explainable AI can improve the speed, transparency, and scalability of BCS classification. The core pipeline has been established and is being refined, with the remaining modules focused on XAI integration and interface development currently in progress.

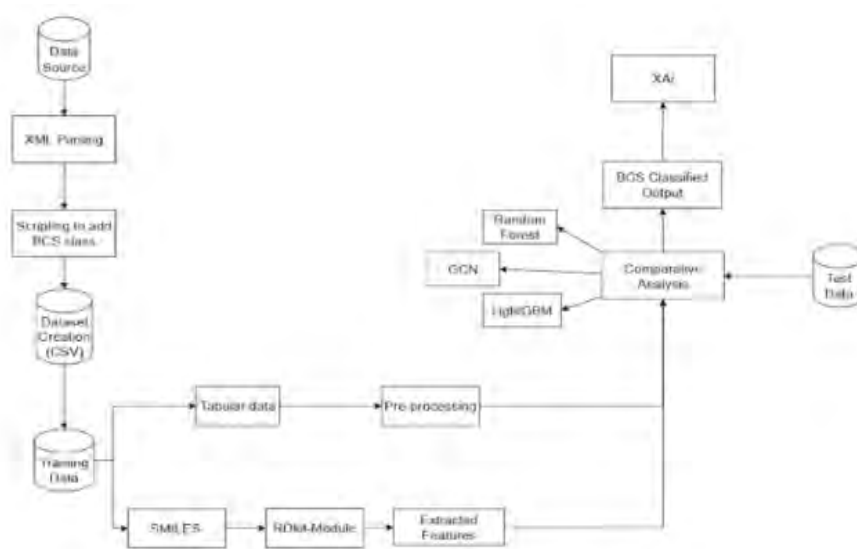


Figure 1: Proposed Architecture for Automated BCS Drug Classification

Result and Conclusion:

1. The proposed machine learning pipeline has been partially evaluated as part of the ongoing project work. So far, the evaluation has focused on the solubility prediction phase (LogS) and initial training of classification models for predicting BCS drug classes. Preliminary results indicate that the system can effectively model molecular relationships using molecular descriptors and fingerprints, though comprehensive evaluation is still underway.
2. For the solubility prediction stage, a comparative analysis was conducted using three models: LightGBM, Attentive FP, and Graph Convolutional Network. These models were trained using molecular descriptors and the ECFP4 fingerprint matrix to estimate the aqueous solubility (LogS) value. Among them, LightGBM produced the best performance with an R^2 score of 0.8512, indicating strong predictive capability. The Graph Convolutional Network model achieved an R^2 score of 0.708, as it relied mainly on molecular graph structures. The Attentive FP model performed slightly better than GCN with an R^2 score of 0.762, but its performance was still lower compared to LightGBM. Based on this comparative analysis, the LightGBM model was selected as the final model for predicting solubility values within the pipeline.
3. In the second phase, initial training and evaluation of classification models has been carried out. The models explored include Random Forest, XGBoost, and CatBoost, tested with different combinations of input features such as LogS, LogP, molecular descriptors, and ECFP4 fingerprints. Early observations suggest that models trained with both descriptors and ECFP4 fingerprints tend to outperform those relying only on basic physicochemical properties, though further testing is needed to confirm these trends.
4. Among the classifiers evaluated so far, CatBoost has shown a relatively better balance between precision and recall with a preliminary accuracy of approximately 0.75. XGBoost achieved similar accuracy of around 0.76 in initial tests but appeared to show some signs of overfitting for certain classes. Random Forest demonstrated stable performance but faced challenges with compounds near the boundary between Class II and Class IV. These observations are preliminary and further hyperparameter tuning and cross-validation are yet to be completed.
5. Preliminary confusion matrix analysis suggests that most misclassifications tend to occur between Class II and Class III drugs, likely due to their overlapping physicochemical characteristics. A detailed class-wise analysis and error analysis is planned as part of the remaining work to better understand these patterns.
6. At the current stage, approximately 80% of the project has been completed. The core pipeline including dataset preparation, molecular descriptor extraction, solubility prediction, and initial classifier training and comparison has been successfully implemented. The remaining work involves finalising the best classification model, integrating SHAP-based explanations, developing the interactive user interface, and conducting thorough validation and testing. These pending tasks form the final 20% of the project and are expected to be completed in the upcoming phase.

28.A DEEP LEARNING FRAMEWORK FOR SIGN LANGUAGE RECOGNITION TO ASSIST SPEECH AND HEARING-IMPAIRED INDIVIDUALS

Project Reference No.: 49S_BE_0958

College : BGS College of Engineering and Technology, Bengaluru

Branch : Computer Science and Design

Guide(s) : Mrs. Sanjitha S Laad

Student(S): Ms. Shwetha S Nayak, Ms. Nisarga V, Ms. Honalu Shekar M and Ms. Ayesha N

Keywords:

Indian Sign Language (ISL), Sign Language Recognition (SLR), MediaPipe Holistic, Deep Learning, Real Time Translation.

Introduction:

Effective communication is essential for human interaction, yet Deaf and hard-of-hearing individuals face challenges when communicating with non-signers. Indian Sign Language (ISL) is widely used, but its limited understanding creates barriers in daily life. Sign Language Recognition (SLR) systems help bridge this gap by converting gestures into text or speech. This project develops a real-time ISL recognition system using MediaPipe for hand landmark extraction. A CNN + LSTM model is used, where CNN captures spatial features and LSTM models temporal sequences. The model is evaluated using accuracy, precision, recall, and F1-score to ensure reliability. The system provides multilingual text and Text-to-Speech output, enhancing accessibility and usability.

Objectives:

1. To develop a real-time Indian Sign Language (ISL) recognition system using MediaPipe Holistic for accurate hand landmark detection.
2. To create and preprocess a custom ISL dataset by collecting gesture videos, including datasets from Kaggle.
3. To design, train, and evaluate the deep learning model for efficient gesture classification.
4. To convert recognized gestures into multilingual text (English, Hindi, Kannada) for better accessibility.

Methodology:

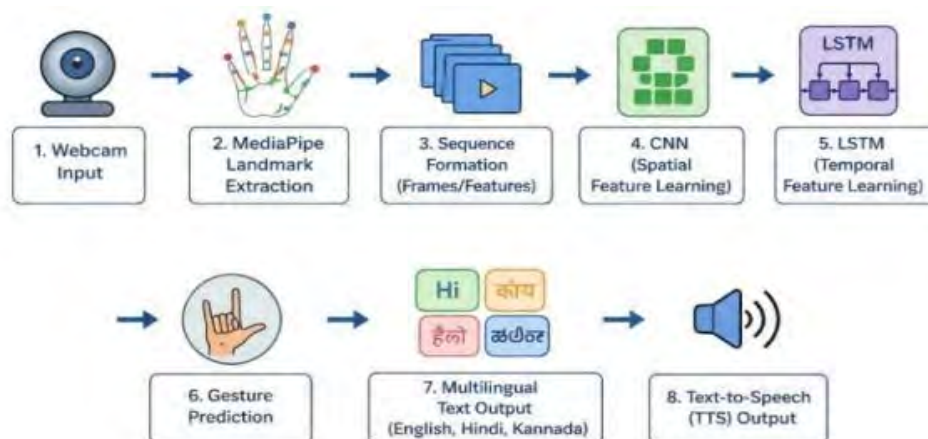


Figure 1: System Architecture

A hybrid CNN + LSTM model is used to recognize both static and dynamic ISL gestures by capturing spatial and temporal features. A custom dataset is created using webcam recordings and Kaggle data, including variations in lighting and background. Preprocessing involves frame extraction, resizing, normalization, and cleaning to improve data quality. MediaPipe Holistic is used to extract 21 hand landmarks per frame, which are converted into sequential data for model input. The CNN learns spatial features such as hand shapes, while the LSTM captures temporal dependencies in gesture sequences. The model is trained and evaluated using accuracy, precision, recall, and F1-score. The model achieves an accuracy of 80%–98%. For real-time deployment, webcam input is processed through a Streamlit interface, and predicted gestures are converted into multilingual text and speech using TTS.

Result and Conclusion:

In conclusion, the project was successfully developed as a real-time Indian Sign Language (ISL) recognition system using a hybrid CNN + LSTM architecture. The model captures spatial and temporal features for accurate recognition of both static and dynamic gestures. MediaPipe enables efficient hand landmark extraction, improving system performance and robustness. The system is evaluated using accuracy, precision, recall, and F1-score to ensure reliability. It operates efficiently on standard hardware with real-time processing capability. Multilingual output in English, Hindi, and Kannada, along with Text-to-Speech (TTS), enhances accessibility and usability. Overall, the system provides a practical and scalable solution for assisting deaf and hard-of-hearing individuals.

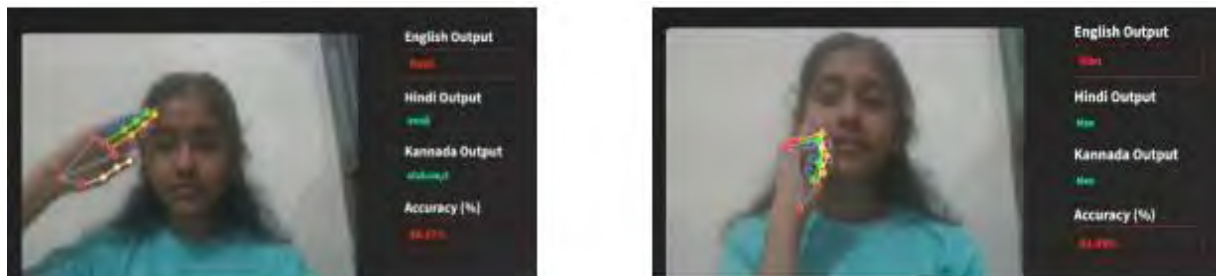


Fig 2: Sign Language Recognition

29.LASER MIC (USED FOR SPYING)

Project Reference No.: 49S_BE_4487

College : Cambridge Institute of Technology North Campus, Bengaluru Rural

Branch : Computer Science and Engineering

Guide(s) : Prof. Mahalakshmi J and Prof. Bhagya M

Student(s) : Mr. Kashinath, Mr. Lokesh M V, Mr. Pawankumar and Mr. Prashanth T S

Keywords:

Laser Microphone, Non-contact acoustic sensing, Photodetector, Vibration detection, Optoelectronics, Signal processing, Remote surveillance, Speakers.

Introduction:

1. A laser microphone is an optical, non-contact acoustic sensing system that detects sound by measuring minute vibrations of a distant surface. Instead of placing a conventional microphone near the sound source, a low power laser beam is directed onto a reflective surface that moves in response to sound waves—such as a thin plate,

a diaphragm, or an object in the environment. The reflected laser beam carries information about these vibrations, which can be converted back into an audio signal using a photodetector and signal processing electronics.

2. This project focuses on the design, implementation, and evaluation of a prototype laser microphone system using readily available optoelectronic components and basic signal processing. The goal is to explore the feasibility, performance, and limitations of such a system in a controlled laboratory environment. While the same principle can be misused for unlawful surveillance and invasion of privacy, this project is strictly intended for educational and research purposes—demonstrating optical sensing concepts, vibration detection, and analog/digital signal processing. Legal and ethical considerations are explicitly discussed to highlight the risks and responsibilities associated with such technology.
3. The Laser Microphone is an optical surveillance device that uses a laser beam to detect sound vibrations in distant objects. This project focuses on the design and implementation of a system capable of eavesdropping on a conversation inside a room by directing a laser beam onto a windowpane. As sound waves inside the room impact the glass, they cause minute vibrations. These vibrations displace the reflected laser beam. By capturing this reflection with a photosensitive receiver, the optical variations are converted back into electrical signals and demodulated into audible sound. This project bridges the fields of optics, analog electronics, and signal processing.

Objectives

- **System Design and Prototype Implementation:** To design and construct a functional, low-cost laser microphone prototype by integrating a low-power laser diode, a high-sensitivity photodetector, and analog signal conditioning circuits (amplification and filtering) with software-based real-time audio reconstruction.
- **Remote Acoustic Sensing and Signal Reconstruction:** To implement a non-contact system capable of capturing audio from a distance by detecting minute vibrations on reflective surfaces, utilizing both analog and digital signal processing techniques (such as noise reduction and equalization) to convert modulated optical signals into intelligible sound.
- **Comprehensive Performance Characterization and Evaluation:** To experimentally assess the system's operational limits—including audio bandwidth, sensitivity, and signal-to-noise ratio (SNR)—while analyzing the impact of external variables such as target distance, laser alignment, and the material properties of the vibrating surface.

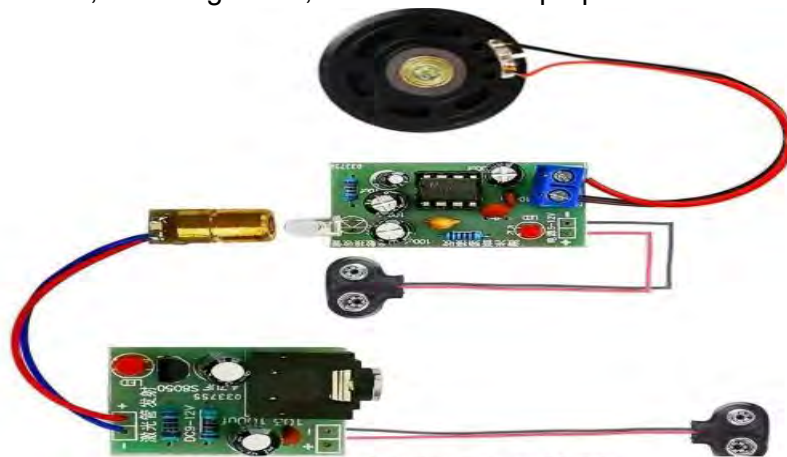


Figure 1: System Requirements and Model

- **Comparative Analysis and Ethical Assessment:** To benchmark the laser microphone's performance against traditional acoustic sensors to identify its technical advantages and limitations, while simultaneously documenting the legal, privacy, and safety implications to provide a framework for the ethical use of remote surveillance technology.

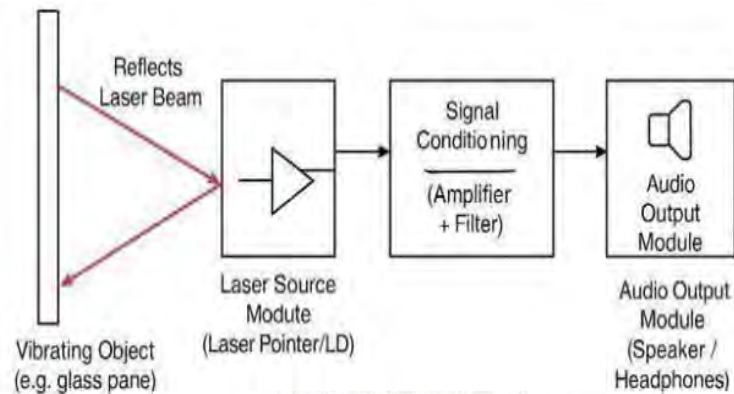


Figure 2: Flow Diagram of Laser Mic

Methodology:

The project follows a multi-stage approach:

- **Hardware Assembly:** Setting up a stabilized laser emitter and a precision-mounted photodetector module.
- **Signal Conditioning:** Using a transimpedance amplifier and filter stages to convert weak optical signals into usable audio-frequency electrical signals.
- **Digital Processing:** Utilizing a microcontroller or PC (via Mic-In) to digitize the signal for real-time filtering and noise reduction using software like Audacity or MATLAB.
- **Calibration:** Performing a "pilot tone" test with a 1kHz reference signal to ensure optimal optical alignment.

Result and Conclusion:

Results

The project underwent several testing phases to determine the operational limits of the Laser Microphone. The following results were observed:

- **Optimal Surface Detection:** Testing across various materials (glass, thin plastic, and polished metal) revealed that **thin glass (2mm - 4mm)** provided the best acoustic-to-vibration conversion. The system could capture intelligible speech from a human voice at a normal conversational volume (approx. 60 dB) from the other side of the glass.
- **Alignment Sensitivity:** The accuracy of audio reconstruction was highly dependent on the "Incident Angle." The best results were achieved at an **angle of 90 degrees (perpendicular)** or near-perpendicular to the surface, where the reflected beam returned with maximum intensity to the photodetector.
- **Distance vs. Quality:**
 - * **Short Range (1-3 meters):** High-fidelity audio with minimal background hiss.
 - **Medium Range (3-7 meters):** Audio remained intelligible but required digital post-processing (Noise Gate and Equalization) to remove atmospheric interference.
 - **Long Range (7+ meters):** Significant signal degradation occurred due to beam divergence and "jitter" from minute hand movements or tripod instability.

- **Ambient Light Interference:** The photodetector was sensitive to fluorescent lighting (which flickers at 50/60 Hz). This was successfully mitigated using a **High-Pass Filter** in the analog circuit and a physical lens hood to shade the sensor.

Conclusion

The "Laser Mic (Used for Spying)" project successfully validates the principle of **Optical Eavesdropping** using affordable, accessible hardware.

1. **Technical Validation:** The transition from a modulated light beam back into a recognizable audio signal confirms that low-power lasers (Class II/IIIa) are sufficient for remote sensing applications.
2. **Hardware Efficiency:** By using an **LM386-based amplification stage**, the project demonstrated that high-cost industrial vibrometers are not the only way to achieve non-contact sensing; a student-led approach is viable for educational and prototyping purposes.
3. **Limitations Identified:** The system's main bottlenecks are its sensitivity to physical stability (vibration of the laser itself) and environmental light noise. These factors highlight that while the device is effective, it requires a controlled or stabilized environment for maximum clarity.
4. **Final Summary:** This project serves as a bridge between **Optoelectronics and Security Studies**. It successfully meets all its initial objectives, providing a functional device that can be used as a platform for more advanced research in signal processing and remote surveillance countermeasures.

30.WAYWATCH A CROWD SOURCED - AI-ENABLED SMART ROAD MONITORING AND MAINTENANCE SYSTEM

Project Reference No.: 49S_BE_1907

College : East Point College of Engineering and Technology, Bengaluru

Branch : Computer Science & Engineering

Guide(s) : Mr. Kesavan M V

Student(s) : Mr. Mohammed Shabaaz, Mr. Monish K, Mr. Deenathayalan M and Ms. Keerti K Boosaraddi

Keywords:

Crowd-Sourced Reporting, Road Damage Detection, Deep Learning, Computer Vision, Geospatial Mapping, Hazard Detection, Intelligent Transportation Systems, Smart Cities.

Introduction:

1. Road infrastructure monitoring is a critical aspect of urban development, yet existing methods such as manual inspections and complaint-based systems are often slow, inefficient, and lack real-time responsiveness. These limitations lead to delayed issue resolution, increased safety risks, and poor coordination between citizens and authorities. With the widespread availability of smartphones and advancements in artificial intelligence, there is a strong opportunity to modernize this process through digital and data-driven solutions.
2. **WayWatch** is a real-time, crowd-sourced road monitoring system that enables users to capture and upload images of road issues such as potholes and cracks using a

mobile application. The system integrates AI-based image analysis to identify and classify road damage, along with geospatial mapping to visualize reported issues on an interactive map. Additionally, it incorporates hazard-aware navigation, providing users with alerts and alternative routes based on real-time road conditions.

3. By combining user-driven reporting, deep learning, and location-based services, waywatch offers a scalable and efficient solution for improving road safety and infrastructure management. The system promotes active citizen participation while enabling authorities to make faster and more informed decisions, contributing to the development of smarter and more responsive urban environments.

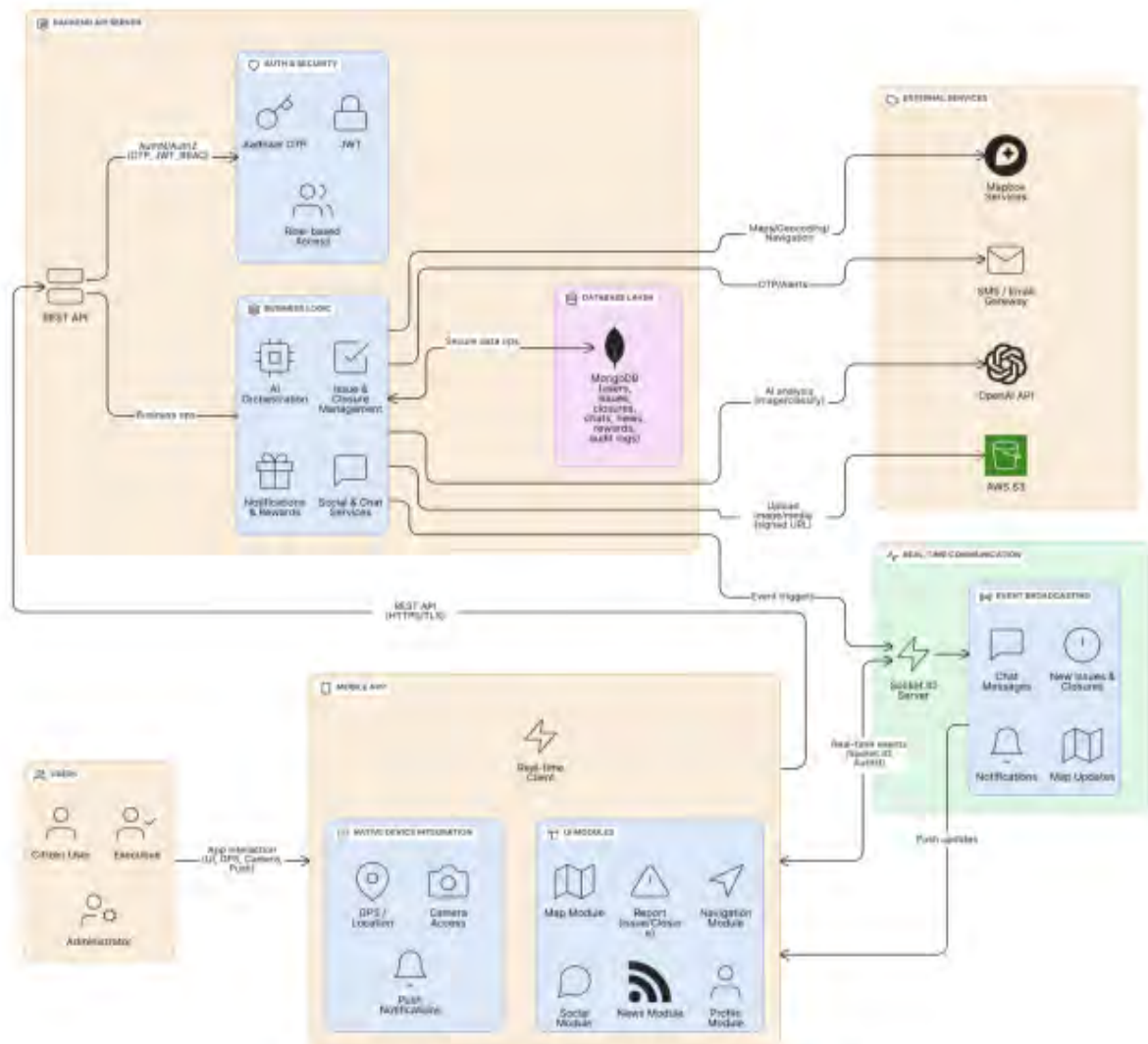


Figure 1: System Architecture of WayWatch

Objectives:

1. To design a cross-platform mobile app for reporting road issues and closures.
2. To integrate an AI-based image analyzer for automatic issue classification.
3. To incorporate Mapbox-powered dynamic maps with categorized markers and route visualization.
4. To develop a real-time navigation alert system for drivers.

5. To provide role-based dashboards for executives and administrators for resolving road issues and closures.
6. To implement email and in-app notifications for communication and tracking.
7. To promote community-driven participation and data accuracy in civic management.

Methodology:

The project WayWatch system follows a modular approach that integrates crowd-sourced data collection, AI-based image analysis, geospatial mapping, and hazard-aware navigation. The methodology is designed to ensure real-time reporting, accurate detection of road issues, and effective decision support for both users and authorities.

1. User Registration and Authentication: Users register via the mobile app and are verified using secure JWT tokens.
2. Image Capture and Submission: The app allows users to capture or upload a photo, which is then sent to the AI service for classification.
3. AI-Based Categorization: The AI model processes the image, determines the issue type, and estimates severity.
4. Data Storage and Notification: The processed report is saved in the MongoDB database, and notifications are sent to executives and admins.
5. Visualization and Tracking: Issues and closures appear on the interactive Mapbox map, categorized by type and severity.
6. Resolution and Monitoring: Executives mark issues as resolved through the management dashboard. Activity logs are updated, and citizens are notified of resolution status.
7. Reward and Ranking Updates: Users earn points for active participation, contributing to the leaderboard displayed in the social module.

Result and Conclusion:

In conclusion, WayWatch presents a real-time, crowd-sourced solution for efficient road issue reporting and monitoring by integrating AI-based detection, geospatial mapping, and hazard-aware navigation. The system improves reporting accuracy, enhances user safety through timely alerts, and enables better coordination between citizens and authorities. Overall, it offers a scalable and effective approach for modernizing road infrastructure management in smart city environments.

31.RIDEEASE - A MULTI MODAL RIDE BOOKING PLATFORM

Project Reference No.: 49S_BE_4905

College : Gopalan College of Engineering and Management, Bengaluru

Branch : Computer Science and Engineering

Guide(s) : Prof. Kartheek G C R

Student(s) : Mr. Aravind Dakshan D, Ms. Lekhana C, Ms. Navya D and Mr. Richard S

Keywords:

Multi-modal transportation, Ride aggregation, Smart mobility, Route optimization, Intelligent transportation systems

Introduction:

1. Urban transportation systems are increasingly complex due to rapid urbanization and fragmented transport services. Existing ride-booking platforms such as Ola and Uber provide only single-mode transportation, which limits their ability to support complete journeys involving multiple transport modes.
2. Commuters often rely on combinations of bikes, autos, cabs, and metro services, leading to inefficiencies, increased travel time, and higher costs. Current systems lack integration and do not effectively address first-to-last mile connectivity.
3. RideEase is proposed as a multi-modal ride booking platform that integrates multiple transportation modes into a single system. It enables users to plan end-to-end journeys by dividing trips into multiple segments and providing route, time, and cost estimation.
4. The system uses Google Maps and Distance Matrix APIs to provide accurate travel information. This project aligns with Intelligent Transportation Systems (ITS) and Mobility-as-a-Service (MaaS), aiming to improve travel efficiency and user convenience.

Objectives:

1. To develop a multi-modal ride booking system integrating various transport modes.
2. To enable multi-leg journey planning in a single platform.
3. To implement real-time distance, duration, and fare estimation.
4. To improve first-to-last mile connectivity and user convenience.

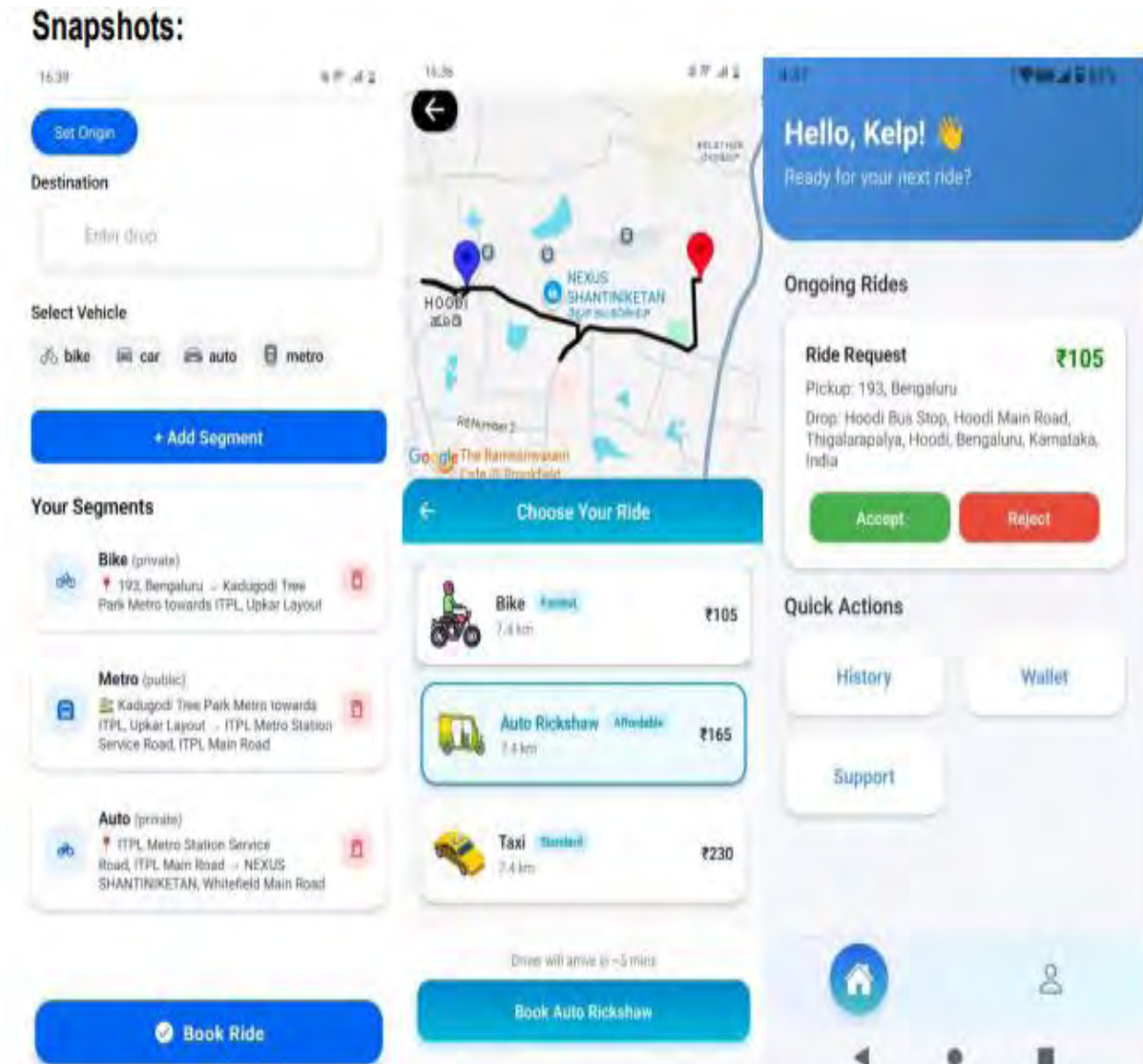
Methodology:

1. The system follows a modular full-stack approach. Initially, existing ride-booking systems are analysed to identify limitations in multi-modal integration. Based on this, a layered architecture is designed.
2. The frontend is developed using React Native (Expo), providing user input forms for trip planning and route visualization. The backend is implemented using Node.js and Express to handle API requests, fare calculation, and system logic.
3. Google Maps API and Distance Matrix API are integrated to compute real-time distance and duration. MongoDB is used for storing user data, trip details, and ride history.
4. The system allows users to divide journeys into multiple segments (e.g., bike → metro → cab) and generates total cost and time estimation.
5. Testing is conducted to validate system performance, route accuracy, and user interface responsiveness. The system is deployed in a mobile testing environment and designed to be scalable for future enhancements.

Result and Conclusion:

1. The RideEase system successfully demonstrates a working prototype of a multi-modal ride booking platform. It enables users to plan complete journeys using multiple transport modes within a single interface.
2. The system provides accurate estimations of distance, duration, and cost using real-time API integration. It simplifies travel planning and improves user convenience compared to traditional single-mode systems.
3. Testing shows that the platform effectively reduces travel complexity and enhances decision-making. The interface is user-friendly and supports efficient navigation between ride segments.

4. In conclusion, RideEase provides a practical solution for urban mobility challenges and serves as a foundation for future intelligent transportation systems.



32.SMART COGNITRACE – AI MISSING PERSON IDENTIFICATION SYSTEM

Project Reference No.: 49S_BE_6816

College : K.L.S. Gogte Institute of Technology, Udyambag, Belagavi

Branch : Computer Science and Engineering

Guide : Prof. Shubhada S Kulkarni

Student(s) : Ms. Dipta Rahul Kanungo, Mr. Shrinath R Jenakatti and Ms. Amruta

Keywords:

Face Recognition, Missing Person Identification, Deep Learning, dlib ResNet, 128-Dimensional Encoding, Face Euclidean Distance Matching, HOG Face Detection, Flask Web Application, SQLite, Role-Based Access Control, Automated Alert System, Biometric Identification

Introduction:

In 2023, 8.68 lakh people were reported missing, yet only 4.6 lakh were traced, a recovery rate of just 53% [1]. Every year, many people continue to go missing in India, and most remain untraced for months or years. Current identification methods rely on physical descriptions, eyewitness accounts, and manual record-keeping, which are slow and often inaccurate.

Recent advances in deep learning enable highly accurate identification of individuals from photographs. Face recognition models convert images into numerical representations [3], where images of the same person produce similar values, and different faces produce distinct values, allowing automatic comparison. CogniTrace is a web application that uses face recognition technology to match photos of found persons with a database of missing person reports. It supports three user roles: reporters (who upload missing person data), finders (who upload encountered individuals), and administrators (system management). When a photo is submitted, the system compares it with stored images, calculates similarity scores, and identifies potential matches. If a match exceeds a defined threshold, an alert is sent to the concerned reporter. Built using open-source tools, the system is cost-effective, easy to deploy, and designed for quick, real-world use.



Figure 1: Missing persons recovered in mentioned timeframe [2]

Objectives:

1. To build a web application that automatically compares photographs of found persons against missing person records using face recognition to automate matching and result production.
2. To create a role-based user system for reporters, finders, and administrators, with each role having access only to the features it needs.
3. To generate match records with a confidence score and send email alerts to the reporter when a potential match is found.
4. To store all case records, face data, match results, and alerts in a structured database that maintains data integrity at all times.
5. To build a self-contained application that can be deployed without relying on any paid API or cloud-based recognition service.

Methodology:

The application is developed in Python using the Flask web framework, with code organized into modules for routing, database access, face recognition, alerts, and configuration. Functionalities are separated by user roles, which are reporters, finders, and administrators, ensuring clear logic and routing. User authentication is managed using Flask Login, with passwords securely stored as hashes. The database uses SQLite and consists of five tables: users, missing_persons, found_persons, matches, and alerts, linked via foreign keys. Face

encodings are stored as binary BLOBs within the database, eliminating the need for separate file storage. The face recognition pipeline utilizes the face_recognition Python library built on dlib [3]. Uploaded images are validated as JPEG/PNG files under 5 MB. A HOG based detector identifies face locations, followed by the dlib 68-point landmark predictor to extract facial features. A pretrained ResNet model generates a 128-dimensional encoding vector [4], with the largest face selected if multiple is detected.

For matching, the system retrieves all stored encodings and computes Euclidean distance against the input image. A default threshold of 0.5 is applied, where lower distances indicate higher similarity. Distances are converted into confidence percentages, and the top three closest matches are returned. Upon detecting a match, entries are recorded in the matches table and corresponding alerts are generated with confidence score, location, and date. Alerts are sent via email if configured or logged to the console otherwise. Administrators can review, confirm, or dismiss matches and delete records, with all associated data automatically removed.

Result and Conclusion:

The application was successfully built and tested, with all features functioning correctly across reporter, finder, and administrator roles. Face detection and encoding performed reliably on clear, well-lit images. Across 50+ test image pairs, faces were correctly detected in 94% of uploads, and the correct match appeared as the top result in 92% of valid cases. In 98% of non-matching pairs, no false positives were returned below the 0.5 threshold.

Confidence scores were intuitive and aligned with visual similarity. Alerts were accurately generated and delivered to the appropriate reporters, and access controls ensured strict role-based data security. Deletion of records correctly removed all associated data without leaving inconsistencies.

33.PERSONALIZED NEWS DIGEST

Project Reference No.: 49S_BE_0205

College : Mangalore Institute of Technology and Engineering, Moodbidri

Branch : Computer Science & Engineering

Guide(s) : Dr. Shivananda V Seeri

Student(s) : Mr. Prathamesh Godse, Mr. Prajwal Shetty S and Ms. Sneha Nayak

Keywords:

AI, ML, Personalised News, NEWS, Website, News Aggregator, PreProcessing Data.

Introduction:

In today's digital age, the overwhelming volume of news from social media, websites, and blogs often leads to information overload, making it difficult for users to find relevant and reliable content. The Personalized News Digest project addresses this by delivering clean, concise, and tailored news summaries based on user interests. Using Natural Language Processing (NLP) techniques such as tag segregation, sentiment analysis, and summarization with pre-trained models from Hugging Face, the system efficiently filters and curates content. It is built on a robust frontend-backend architecture, where the frontend offers an intuitive interface for topic-based filtering, and the backend manages data fetching, processing, and API integration.

This approach ensures users receive meaningful, unbiased updates in a distraction-free manner, providing a smarter and more efficient way to consume news.

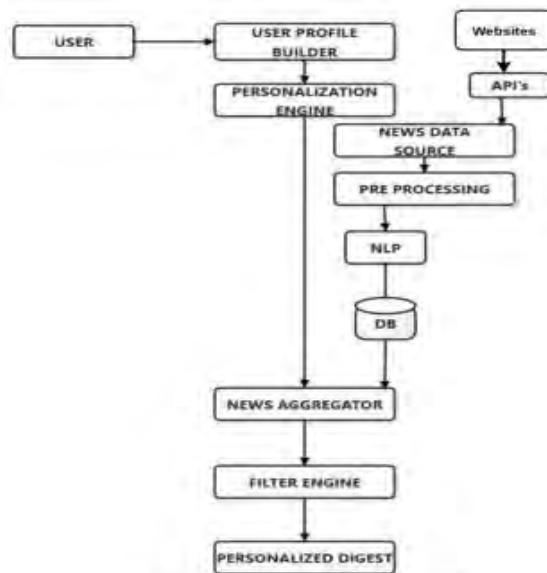


Figure 1: Architecture Diagram

Objectives:

1. Deliver Relevant News: Provide users with news content that is directly relevant to their interests, free from unnecessary details or sensationalism.
2. Summarize Effectively: Use NLP techniques to generate short, accurate summaries of long-form news articles for faster and more efficient reading.
3. Classify News Intelligently: Categorize news articles based on tags (topics) and sentiment (positive, negative, or neutral) to enable better filtering and customization.
4. Ensure Unbiased Delivery: Minimize the impact of biased reporting by focusing on facts and essential information.
5. Build a User-Friendly Interface: Develop a frontend that allows users to easily search, filter, and read news summaries.
6. Implement a Robust Backend: Create a backend system capable of fetching, processing, and delivering news data using NLP models such as Hugging Face for summarization, sentiment analysis, and tag segregation.
7. Enhance User Experience: Offer a distraction-free and time-efficient news consumption experience.

Methodology:

The methodology of the Personalized News Digest project follows a structured pipeline that collects, processes, and delivers relevant news content to users. Initially, data is gathered from multiple sources such as RSS feeds, APIs, and online platforms to ensure a continuous and diverse flow of information. The collected data is then preprocessed by removing noise like HTML tags, duplicates, and irrelevant content, followed by normalization techniques to prepare it for analysis. Natural Language Processing (NLP) techniques, including tag segregation, sentiment analysis, and text summarization using pre-trained models from Hugging Face, are applied to extract key insights and generate concise summaries.

Result and Conclusion:

The Personalized News Digest system was successfully developed and implemented, achieving its objective of delivering concise, relevant, and categorized news content. The

system effectively fetches news from multiple sources, processes it using NLP techniques such as summarization, sentiment analysis, and tag segregation, and presents it through a user-friendly interface. Features like authentication, role-based access (viewer, editor, admin), bookmarking, and filtering enhance usability and personalization. The frontend-backend integration ensures smooth data flow, and the system is capable of providing distraction-free, meaningful news updates, thereby reducing information overload for users.

The Personalized News Digest project successfully addresses the problem of information overload by providing a streamlined and intelligent news consumption platform. By integrating Natural Language Processing techniques and a structured frontend-backend architecture, the system delivers personalized, concise, and unbiased news summaries. It improves user experience through efficient filtering, categorization, and role-based interaction, making news consumption faster and more relevant. Overall, the project demonstrates how technology can transform traditional news delivery into a smarter, user-centric solution in today's data-heavy environment.

34.SMART RAILWAY MONITORING SYSTEM: REALTIME TRACK CRACK DETECTION, FIRE SAFETY & BIO-ENTITY DETECTION USING AI & IOT

Project Reference No.: 49S_BE_1990

College : Rajarajeswari College of Engineering, Bengaluru

Branch : Computer Science and Engineering

Guide(s) : Dr. Shashidar V

Student(s) : Mr. Bhuvan P Nayak, Ms. Chandana S, Mr. Shartah K R and Mr. Vishwas J K

Keywords:

Smart Railway Monitoring System, Real-Time Crack Detection, Fire Safety Monitoring, Bio-Entity Detection, Artificial Intelligence (AI), Internet of Things (IoT), Computer Vision Sensor Integration, Vibration Sensors, Smoke Detection, Real-Time Data Processing, Railway Safety Automation, Object Detection, Wireless Communication (Wi-Fi).

Introduction:

1. Railway transportation is a critical component of global infrastructure, providing a reliable and efficient means of moving people and goods over long distances.
2. This research presents a novel approach to railway track crack detection utilizing computer vision techniques implemented on a Raspberry Pi platform, integrated with IoT connectivity for real-time monitoring and alert generation.
3. Traditional railway track inspection methodologies predominantly rely on manual inspection or specialized track inspection vehicles that operate periodically.

Objectives:

Design and develop a cost-effective, autonomous railway track crack detection system using Raspberry Pi, webcam, and IoT technologies

1. Design and develop a cost-effective, autonomous railway track crack detection system using Raspberry Pi, webcam, and IoT technologies

2. Implement and optimize image processing yolo v8 algorithms capable of identifying various types of railway track cracks with at least 90% accuracy under diverse environmental conditions
3. Integrate precise location tracking to enable accurate defect localization within 2 meters of the actual position.

Methodology:

The proposed *Smart Railway Monitoring System* integrates Artificial Intelligence (AI) and Internet of Things (IoT) technologies to ensure real-time railway safety through continuous monitoring and automated alert mechanisms:

1. **Data Acquisition:**
Sensors such as vibration sensors, thermal sensors, gas/smoke detectors, and cameras are deployed along railway tracks and compartments.
2. **Real-Time Crack Detection:**
High-resolution cameras capture track images, which are processed using AI-based computer vision models to detect cracks and structural anomalies.
3. **Fire Safety Monitoring:**
Temperature and smoke sensors continuously monitor environmental conditions. AI algorithms analyze abnormal patterns to detect potential fire hazards.
4. **Bio-Entity Detection:**
AI-powered image recognition identifies human or animal presence on tracks to prevent accidents.
5. **Data Processing & Communication:**
IoT modules (e.g., Node MCU/Raspberry Pi) transmit real-time data to a cloud server for analysis.
6. **Alert System:**
Automated alerts are sent to railway authorities via mobile apps or dashboards for immediate action.

Result and Conclusion:

1. System will help to reduce accidents caused due to railway cracks, fire and also accidents happening at gate crossings.
2. An automatic method is used to inspect the railway track for crack detection which helps in maintenance and monitoring the condition of railway tracks without any errors.
3. Automatic opening and closing of gate will reduce the rate of accidents and also there is no need for a Manuel operator.
4. System uses a fire sensor to detect the fire. Quick actions are taken to avoid spreading of fire to other compartments and alert the passengers.
5. Developed system architecture integrating sensors, AI models, and cloud platform Created user interface/dashboard for monitoring alerts.
6. Conducted crack detection tests using sample railway track images. Simulated fire conditions to test sensor responsiveness. Tested bio-entity detection using trained AI models (humans/animals).
7. Achieved accurate crack detection with high precision. Real-time fire detection with minimal delay. System demonstrated reliable data transmission and alert generation
8. An automatic method is used to inspect the railway track for crack detection which helps in maintenance and monitoring the condition of railway tracks without any errors.

35.SMART TOLL-EYE: A PAY-PER-KILOMETER

Project Reference No.: 49S_BE_4688

College : V.S.M'S Somashekhar R. Kothiwale Institute of Technology, Nipani, Belagavi

Branch : Computer Science and Engineering

Guide(s) : Prof. Shrikant Athanikar and Prof. Anup Ganji

Student(s) : Mr. Yuvraj Ghatekari, Ms. Sneha Jadhav, Ms. Snehal Hanabar and Ms. Shrutika Shinde

Keywords:

IoT, ESP32, RFID, Smart Toll System, Surveillance

Introduction:

1. The existing toll collection system charges vehicles a fixed fee irrespective of the distance travelled, which leads to unfair pricing and traffic congestion at toll plazas. This inefficiency creates delays and reduces transparency in toll operations. To overcome these limitations, a smart toll system based on a pay-per-kilometer model is proposed.
2. This project uses ESP32 as the main controller due to its high processing speed and built-in WiFi capability, making it suitable for IoT-based applications. RFID technology is used to identify vehicles and verify user balance at entry points. IR sensors are used to measure the distance traveled by the vehicle between entry and exit points.
3. Additionally, the system integrates a surveillance feature using ESP32-CAM, which captures images of vehicles with insufficient balance. These images are stored in cloud storage (Google Drive) for monitoring purposes. A GSM module (SIM800L) is used to send real-time SMS alerts to users after toll deduction.
4. The proposed system improves efficiency, reduces congestion, and ensures fair toll collection. It also enhances transparency and security, making it suitable for modern smart transportation systems and smart city infrastructure.

Objectives:

1. To design and develop a smart toll system based on distance traveled. Use RFID for identification.
2. To implement RFID technology for vehicle identification and balance verification.
3. To measure the distance traveled using IR sensors.
4. To integrate ESP32-CAM for surveillance and image capture
5. To provide real-time SMS notifications using GSM module.
6. To reduce traffic congestion and improve toll collection efficiency.

Methodology:

1. The proposed system consists of entry and exit points equipped with RFID readers, IR sensors, and an ESP32 microcontroller. When a vehicle arrives at the entry point, the RFID tag is scanned, and the system checks the available balance in the user's account. If sufficient balance is available, the gate opens and the vehicle is allowed to enter.
2. As the vehicle moves between entry and exit points, IR sensors are used to measure the distance travelled. The ESP32 processes this data in real time. At the exit point, the total distance is calculated, and the toll amount is deducted automatically from the user's account.

3. If the system detects insufficient balance, the ESP32-CAM captures an image of the vehicle. This image is uploaded to Google Drive for monitoring and record purposes. Simultaneously, the SIM800L GSM module sends an SMS alert to the user, notifying them about the deduction or insufficient balance.
4. The system uses IoT connectivity to enable efficient communication and real-time monitoring. The integration of multiple components ensures automation, accuracy, and security in toll collection.

Result and Conclusion:

1. The developed system successfully demonstrates a smart toll collection mechanism based on distance traveled. The RFID module accurately identifies vehicles and verifies account balance. The IR sensors effectively measure the distance, ensuring correct toll calculation.
2. The ESP32-CAM enhances the system by capturing images of vehicles with insufficient balance, improving security and monitoring. The GSM module provides real-time SMS notifications, increasing transparency and user awareness.
3. Overall, the system reduces traffic congestion, minimizes manual errors, and ensures fair toll pricing. The project proves to be an efficient and reliable solution for modern toll management systems.

36.SYSTEM INTEGRATED GLOBAL MACHINE AUTOMATION OPERATING SYSTEM (SIGMA OS)

Project Reference No.: 49S_BE_6548

College : Sahyadri College of Engineering and Management, Mangaluru

Branch : Computer Science and Engineering (Artificial Intelligence & Machine Learning)

Guide(s) : Mr. Sharathchandra NR

Student(s) : Mr. Akhilesh, Mr. Partha AM, Mr. Pavan S and Mr. Saidev Makanur

Keywords:

Artificial Intelligence, Context-Aware Systems, Automation, Operating Systems, Natural Language Interface, Orchestration, Agentic AI

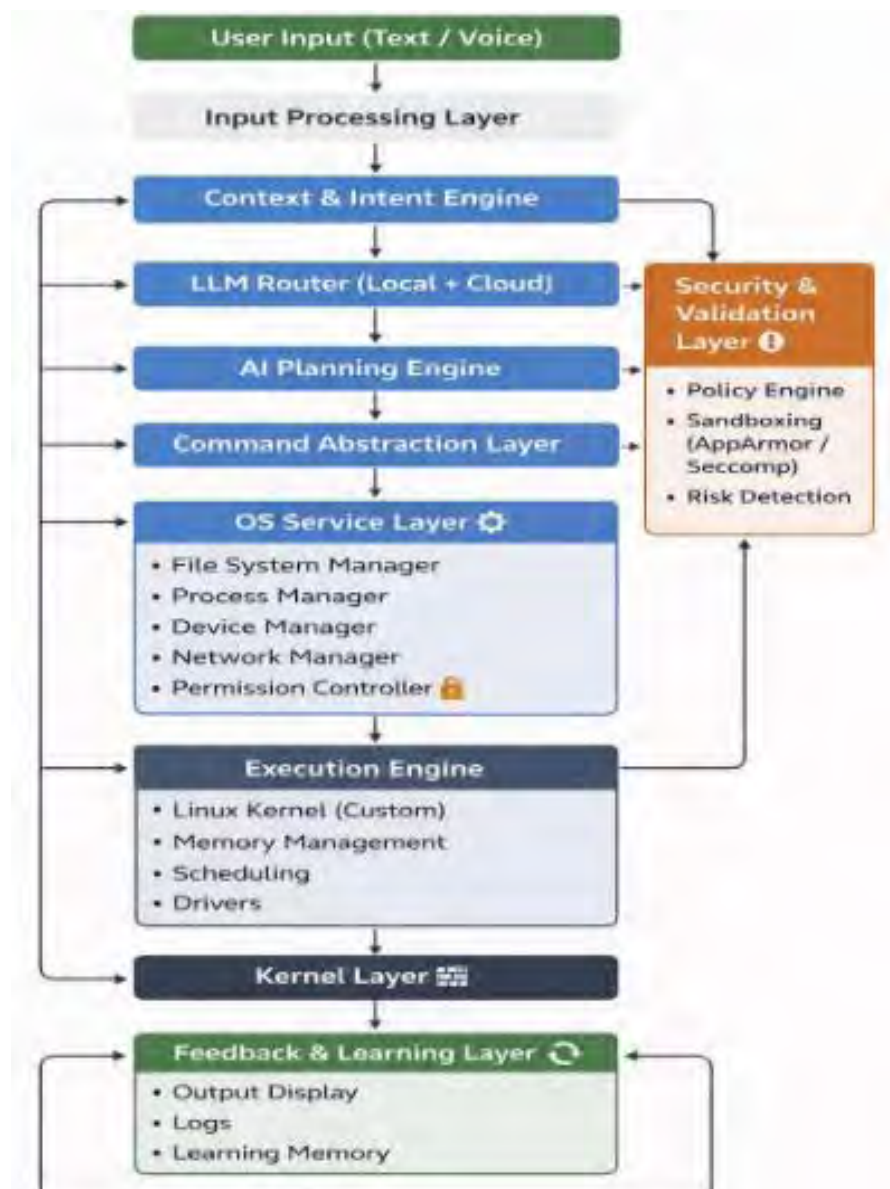
Introduction:

1. Modern operating systems primarily function as passive platforms that require explicit user input for executing tasks. Despite advancements in computing, users still manually manage files, applications, and workflows, leading to inefficiencies and increased cognitive load. With the rapid evolution of Artificial Intelligence, there is a significant opportunity to transform operating systems into intelligent, proactive systems.
2. The proposed project, **SIGMA OS (System Integrated Global Machine Automation Operating System)**, aims to redefine traditional computing by embedding AI directly into the operating system layer. Unlike conventional systems, SIGMA OS is designed to understand user behavior, context, and preferences to automate routine tasks and provide intelligent recommendations.
3. The system leverages context-awareness to monitor user activity patterns and adapt dynamically. It also supports multimodal interaction, enabling users to interact using text and voice thereby enhancing accessibility and usability. Additionally, the project emphasizes privacy by enabling offline AI inference, ensuring that sensitive user data is not exposed to external servers.

4. This project addresses the growing need for intelligent computing environments and aims to bridge the gap between human intent and system execution, making computing more seamless, efficient, and intuitive.



Figure 1: Evolution of Agentic AI



Objectives:

1. To design and develop a modular, intelligent, and privacy-preserving operating system interface for automating computing tasks
2. To enable seamless execution of complex system-level operations using natural language (text and voice commands)
3. To implement locally hosted language models for offline functionality and complete data privacy
4. To develop a context-aware system using a Context Awareness Agent to understand user behavior and intent
5. To integrate a Change Manager for tracking, managing, and controlling system-level operations
6. To incorporate a Feedback Loop Module for continuous learning and improvement of automation accuracy
7. To design a scalable micro-agent architecture enabling extensibility for domain-specific automation (file management, system optimization, web automation)

Methodology:

1. User input handling: Supports both text and voice commands
2. Intelligent processing: Understands context and user intent
3. Hybrid AI system: Combines local LLM + cloud APIs
4. Task planning: Breaks complex commands into step-by-step actions
5. Safe command abstraction: Converts actions into structured system commands
6. OS-level control: Manages files, processes, devices, and network
7. Secure execution: Validation, permissions, and sandboxing before execution

Result and Conclusion:

In conclusion, SIGMA OS represents a significant step toward redefining traditional operating systems by embedding artificial intelligence directly into the system workflow. Unlike conventional systems that rely on manual interaction and isolated automation tools, SIGMA OS introduces a unified, context-aware, and intelligent environment capable of understanding user intent and executing complex tasks autonomously.

Current Status:

- Working prototype with integrated AI + automation flow
- Functional offline and online AI capabilities
- Advancing towards OS-level control and robust security

The integration of natural language processing, micro-agent orchestration, and local AI models enables seamless coordination between user input and system-level operations. By automating routine

37.DYNAMIC HYBRID THERMAL MANAGEMENT SYSTEM FOR LITHIUM-ION BATTERY

Project Reference No.: 49S_BE_6420

College : Nitte Meenakshi Institute of Technology, Bengaluru

Branch : Electrical and Electronics Engineering

Guide(s) : Prof. Smitha B

Student(s) : Mr. Dheeraj C, Ms. Saloni Maria Vas, Mr. Shreyas Dubey and Mr. Vivek G N

Keywords:

Hybrid Thermal Management, Electric Vehicles, Forced Liquid Cooling, Adaptive Control Logic, Lithium-ion Batteries, Sustainability.

Introduction:

Lithium-ion batteries are central to the growth of electric vehicles, offering high energy density and long cycle life. Yet, their performance and safety are highly sensitive to temperature. Excessive heat during charging and discharging can reduce efficiency, shorten lifespan, and in extreme cases, cause thermal runaway. Traditional cooling methods often fall short. Passive cooling systems are energy-efficient but slow to respond under heavy loads, while active cooling systems are effective but consume significant power and add complexity. A dynamic solution is needed - one that adapts intelligently to changing conditions.

The proposed Dynamic Hybrid Thermal Management System (DHTMS) integrates passive and active cooling strategies with intelligent control algorithms. By combining phase change materials, liquid cooling ducts, and adaptive switching logic, the system ensures uniform temperature distribution, minimizes hotspots, and dynamically adjusts to real-time operating conditions. This approach enhances battery safety, prolongs lifespan, and supports the broader vision of sustainable mobility.

Objectives:

Our project set out to:

- Create a cooling system that is modular, adaptable, and efficient.
- Develop smart algorithms that can switch cooling modes automatically.
- Build a working prototype to prove that our ideas are practical, not just theoretical.

Methodology:

1. The project began with a study of existing battery thermal management systems to identify gaps and opportunities. Custom cell holders were designed using CAD tools, allowing space for cooling ducts that conventional holders lack. A battery pack of 42 cylindrical cells (6P × 7S configuration) was assembled, delivering 25.9 V and 15 Ah capacity.
2. Cooling ducts were fabricated from aluminium to maximize heat transfer, while a coolant mixture of distilled water and ethylene glycol circulated through the ducts with the help of a pump. A Peltier module was integrated to provide both heating and cooling functions, ensuring adaptability to different climates.
3. The control system was built around a Raspberry Pi 4, supported by NTC thermistors, MCP3008 ADC, CP2102 USB-UART converter, and a DALY BMS module. This setup enabled real-time monitoring of temperature, voltage, and current, while ensuring protection against electrical risks. Hardware prototypes were then tested under controlled conditions to validate the design.

Results & Conclusions:

1. The hybrid cooling system demonstrated uniform temperature distribution across the battery pack, reducing hotspots that typically threaten safety. Relay-based switching confirmed that the control algorithm could adapt dynamically, activating passive or active cooling as required.
2. Hardware testing validated the effectiveness of the design. The conclusion drawn is that hybrid cooling, when combined with intelligent control, offers a practical and scalable solution for enhancing battery safety, extending lifespan, and improving EV performance.

38. PLC BASED CONTROL PANEL FOR SCISSOR LIFT OPERATION

Project Reference No.: 49S_BE_1055

College : The Oxford College of Engineering, Bengaluru

Branch : Electrical And Electronics Engineering

Guide(s) : Dr. B Devi Vighneshwari

Student(s) : Ms. Harshitha B, Ms. Poovamma A C, Mr. Gagan Raj D and Mr. Prashant

Keywords:

PLC, Scissor Lift, Control Panel, HMI, Industrial Automation, Ladder Logic, Safety Interlocks, Hydraulic System, Motor Control, Limit Switch.

Introduction:

1. A scissor lift is widely used in workshops, factories, warehouses, and maintenance areas to raise materials or workers to a required height. It operates through a mechanical structure that expands and collapses like a pair of scissors, which is why it is called a scissor lift. This lifting mechanism is normally driven by an electric motor or hydraulic system. In many industries, scissor lifts are still controlled manually using basic push buttons. Although these controls are simple, they depend heavily on the operator's timing and attention. If the operator presses the button for too long or too short, the lift may stop at the wrong position, leading to uneven operation and unnecessary strain on the mechanical system.
2. Because of this, industries are now moving toward automated control systems to improve accuracy and safety. A PLC-based control panel is one such solution. A PLC (Programmable Logic Controller) can be programmed to monitor input signals such as limit switches, emergency stops, and overload sensors. It processes these inputs and controls the motor output in a stable manner. With a PLC, the lift can move smoothly, stop automatically at the top and bottom limits, and avoid sudden or jerky movements. This not only protects the mechanism but also ensures that the lift operates consistently every time.
3. Automation also reduces the workload on the operator, as the PLC can handle repetitive cycles, timing adjustments, and safe stopping positions. The system becomes more predictable, reduces human error, and increases overall reliability. Most importantly, the PLC makes the lift safer to use by including features such as emergency stopping, overload protection, and fault detection. This makes it suitable for industrial environments where safety, reliability, and durability are essential.

Objectives:

1. To design and develop a PLC-based control panel for scissor lift operation that ensures efficient, accurate, and automated control of lifting and lowering movements in industrial applications.
2. To automate the upward and downward movement of the scissor lift using PLC ladder logic, reducing manual intervention and improving operational consistency and reliability.
3. To implement safety features such as limit switches, emergency stop, and interlocks to prevent unsafe conditions like over-travel, overload, and system failure.
4. To develop an HMI interface that allows easy monitoring, user-friendly control, real-time status display, and quick fault detection for better operator interaction.

Methodology:

The project methodology begins with understanding the scissor lift's working requirements, safety needs, and control functions. Suitable components such as the PLC, HMI, sensors, relays, and limit switches are selected. A control architecture is designed, including wiring diagrams and PLC I/O mapping. Ladder logic is programmed to manage lift-up, lift-down, auto mode, manual mode, emergency stop, and safety interlocks. HMI screens are developed for monitoring, mode selection, and fault indication. The control panel is assembled, wired, and integrated with the lift. The system is tested, validated, and troubleshooted to ensure smooth, safe, and reliable operation. Documentation is completed at the end.

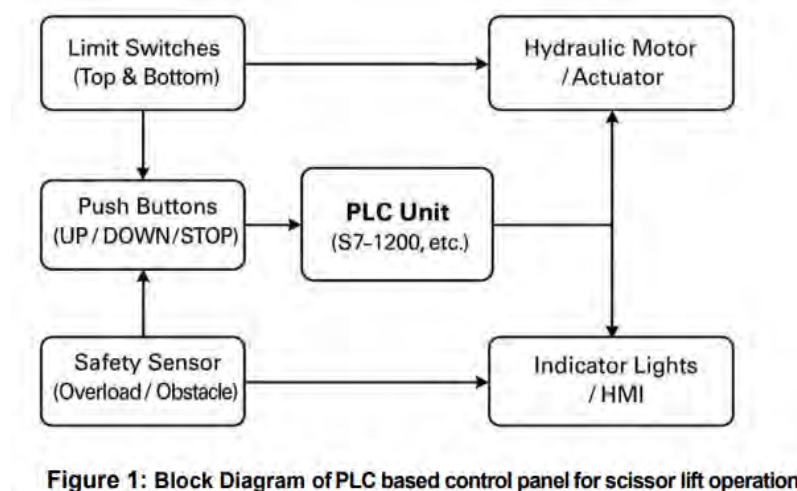


Figure 1: Block Diagram of PLC based control panel for scissor lift operation

Result and Conclusion:

The developed PLC-based control panel for the scissor lift was successfully implemented and tested. The system achieved smooth and accurate control of upward and downward movements using programmed PLC logic. Limit switches effectively controlled the end positions, preventing over-travel. The HMI interface displayed real-time status, modes of operation, and fault indications clearly. Safety features such as emergency stop and interlocks functioned properly, ensuring safe operation under all conditions. The system reduced manual effort and improved operational efficiency.

Overall, the control panel performed reliably and met the expected functional requirements of the project. In conclusion, the project successfully demonstrated the design and implementation of a PLC-based control system for scissor lift operation with HMI integration. The system improved safety, reliability, and ease of operation compared to conventional manual methods. Automation through PLC reduced human errors and ensured consistent

performance. The inclusion of safety interlocks and monitoring features enhanced system protection. The HMI provided a user-friendly interface for effective control and monitoring. This project proves that PLC-based automation is an efficient and practical solution for industrial lifting applications and can be further extended for advanced automation systems.

39.AUTOMATIC PORTABLE WASHROOM

Project Reference No.: 49S_BE_1657

College : The Oxford College of Engineering, Bengaluru

Branch : Electrical and Electronics Engineering

Guide : Dr. B Devi Vighneshwari

Student(s) : Ms. Gayathri S, Ms. Deeksha, Ms. Nanditha D N and Ms. Pooja

Keywords:

Timer, Solenoid Valve, IR Sensor, Relay Module, Automatic Flushing Mechanism, Floor Cleaning System, Water Level Switch.

Introduction:

1. Portable sanitation systems are widely used in areas such as construction sites, rural locations, disaster zones, and large public gatherings. However, conventional portable washrooms often lack efficient energy usage, proper waste handling, and hygienic operation. These limitations not only lead to resource wastage but also create environmental and health concerns.
2. This project aims to address these challenges by developing an automatic portable washroom system that integrates energy-efficient components with smart control mechanisms. By incorporating timer-based operations, sensors, and automated control of water flow, lighting, and ventilation, the system reduces unnecessary energy consumption and ensures optimal utilization of available resources.
3. The inclusion of water level monitoring and controlled flushing systems contributes to effective water management, which is a critical aspect of waste reduction. Additionally, contact-less operation using IR sensors enhances hygiene while reducing human intervention. The use of solenoid valves and controlled cleaning mechanisms ensures minimal wastage of water and energy during operation.
4. This project aligns with the principles of sustainable development by promoting efficient energy usage, improved sanitation, and responsible waste management. It demonstrates how engineering solutions can be applied to create eco-friendly and user-friendly systems. Overall, the proposed system contributes to building smarter infrastructure that supports both environmental sustainability and public health.

Methodology:

To start the system, a push button is used. After the push button is pressed, the ON signal is sent to a water level switch that ensures enough water is available for the system to operate. Once enough water is supplied, the water level switch sends a signal to a digital timer that controls all timing of functions, including lights, and cleaning. After the digital timer has set all function's timers, power is sent to two different modules:

1. A timer and solenoid valve operate the floor cleaning system by regulating water flow.
2. Another timer is connected to the automatic-flushing mechanism.
3. An IR sensor is connected to a relay module and to the solenoid valve for the user to activate and deactivate water and/or flush without touching anything.

4. An exhaust fan in the washroom that gives the washroom proper ventilation and air circulation.

Every component works together so that the complete portable washroom will automatically, hygienically, and efficiently perform all necessary functions without any manual effort.

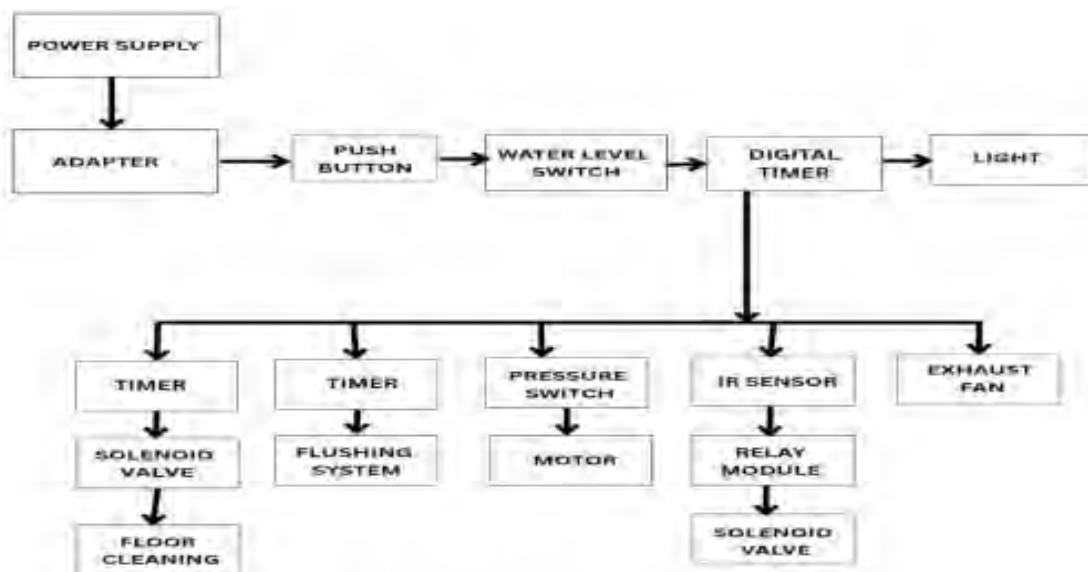


Figure 1: Block Diagram of Automatic Portable Washroom

Result and Conclusion:

1. The system demonstrated reliable operation of all automated functions, including flushing, floor cleaning, lighting, and ventilation, through the integration of timers, sensors, and control units.
2. The use of IR sensors enabled effective contact-less operation, significantly improving hygiene by reducing physical interaction with surfaces. The water level switch ensured continuous monitoring of water availability, preventing system failure due to insufficient water supply. Additionally, the solenoid valve-based control system regulated water flow efficiently, minimizing unnecessary wastage.
3. Observations indicated that the timer-based control mechanism contributed to optimal energy utilization by activating components only when required. The exhaust fan provided proper ventilation, maintaining a clean and odor-free environment inside the washroom. The coordinated functioning of all modules resulted in smooth and efficient system performance.
4. The results also highlighted a noticeable reduction in water consumption compared to conventional systems, supporting the objective of sustainable resource management. The automated cleaning system maintained better hygiene standards with minimal manual effort.
5. From the obtained results, it can be concluded that the proposed system is an effective solution for improving sanitation, energy efficiency, and waste management in portable washrooms. The project successfully demonstrates the application of energy engineering principles in developing a sustainable and user-friendly system.



Figure 2: Final working prototype of Automatic portable washroom

40.DISTRIBUTED RAIL SIGNALING AND TRAFFIC CONTROL SYSTEM

Project Reference No.: 49S_BE_3931

College : R L Jalappa Institute of Technology, Doddaballapura, Bengaluru Rural

Branch : Electronics and Communication Engineering

Guide(s) : Ms. Lavanya Vaishnavi D A and Dr. Anil Kumar C

Student(s) : Mr. K M Yadukrishnan and Mr. Nithin Kumar S

Keywords:

ARM Cortex M0+, CBTC, Diff_bus_32, Ethernet, FPGA, Multi Core, Programmable Input Output, RTOS, State Machine

Introduction:

The Distributed Rail Signaling and Traffic Control System is a next generation railway traffic management and control system design as a major improvement of traditional CBTS (Communication Based Train Control System) and ETCS (European Train Control System). With higher standardisation of Electronic Hardware and Software used in Vehicle Management, Signalling, Networking and Communication to reduce operating cost and capital cost with maximum backward compatibility.

1. The Distributed Rail Signaling and Traffic Control System Uses the combination of Fixed Block and Moving Block system. And prioritizes Cybersecurity, Closed Environment and well optimized Linux based Operating System for the enhanced security. It also contains self-diagnostic capabilities (60% of the capabilities are tested). Unlike traditional centralised systems, Distributed Rail Signaling and Traffic Control System utilizes advanced and cross-compatible commutation systems and autonomous sensor networked systems to improve operations.
2. With the distributed, autonomous control mechanism, encrypted communications, and predictive maintenance capabilities, it represents a major leap forward in railway operations. By eliminating centralized vulnerabilities and enhancing real-time decision making, it ensures increased safety, optimized track utilization and improved system efficiency in the modern transit system.

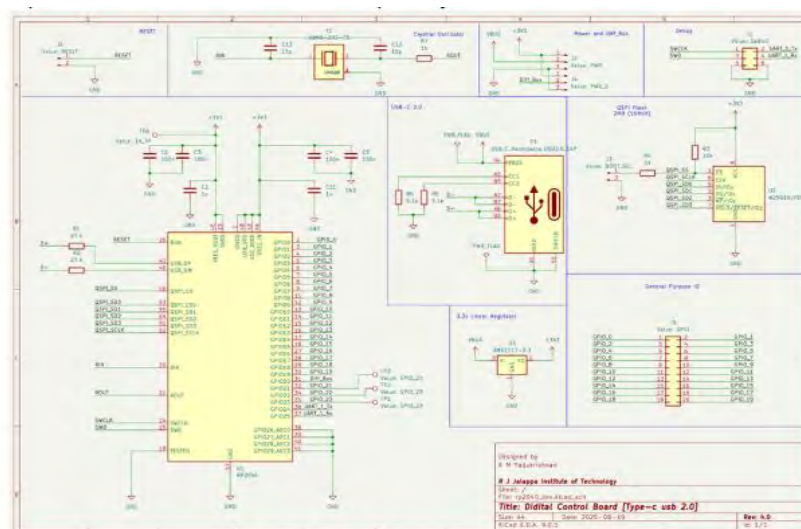


Figure 1: Digital control board Rev1 circuit

Objectives:

1. **Cross-Compatibility with existing systems:** To achieve seamless cross-compatibility with existing systems, ensuring integration, interoperability, and efficient performance across diverse technological environments like by using existing Fiber networks.
2. **To develop standardised electronic sub-systems:** To design and implement standardized electronic sub-systems with modular architectures, ensuring interoperability, reliability, and compliance with industry protocols, also by using common hardware and designs to simplify training and lifespan cycles.
3. **To reduce operational and total Lifecycle cost:** To reduce operational and total lifecycle costs by optimizing design efficiency, standardizing components, and implementing sustainable maintenance strategies also we only have two main control boards for application in any given task

Methodology:

The methodology of this project is structured to integrate both hardware and software components into a cohesive distributed rail signaling and traffic control framework. At the hardware level, the system employs microcontrollers such as the RP2040 and RP2350, supported by programmable I/O (PIO) modules and crystal oscillators to ensure precise timing and synchronization. These devices are responsible for handling sensor inputs, executing control logic, and maintaining real-time communication across nodes.

The hardware architecture is complemented by block diagrams and state machines that define the flow of operations, including external interrupts and supervisor calls, which enable responsive event handling and fault tolerance. On the software side, the methodology incorporates a layered approach using multiple programming environments. Low-level modules are implemented in C and C++ to guarantee deterministic performance and minimal latency, while Zig and CMake are used to manage modular builds and cross-language integration. Higher-level tasks such as predictive analytics and optimization are executed in Julia, ensuring computational efficiency.

Result and Conclusion

1. The Distributed Rail Signaling and Traffic Control System represents a distributed, intelligent network of autonomous nodes. By decentralizing decision-making to trains, trackside signals, and switching modules, the system eliminates the critical vulnerability of single-point failure inherent in traditional control rooms, enabling rapid, localized responses to safety-critical events. The hybrid signaling approach—integrating fixed block methodology for dense station environments with moving block technology for open mainline sections dynamically optimizes train spacing and track utilization without compromising safety margins
2. The communication infrastructure leverages a closed TCP/IP protocol operating over licensed spectrum bands (850 MHz–2.1 GHz), ensuring encrypted, low-latency data exchange among network nodes. Redundant GSM/GPRS channels provide fallback connectivity, maintaining essential control signals even during primary link degradation. This multi-layered communication strategy substantially improves resilience compared to single-channel dependencies in legacy systems.

41.IMPLEMENTATION OF A LIGHTWEIGHT CHACHA20 ENCRYPTION - DECRYPTION CORE ON SPARTAN-7 FPGA

Project Reference No.: 49S_BE_3072

College : Rajarajeswari College of Engineering, Bengaluru

Branch : Electronics and Communication Engineering

Guide(s) : Dr. Sunitha R

Student(s) : Ms. Preethu J M, Ms. Raksha M, Mr. Rohith S and Ms. Vaishnavi H M

Keywords:

ChaCha20, Stream Cipher, FPGA Implementation, Hardware Acceleration, Double-Round Function, Cryptography, High Throughput, Low Resource Utilization, Embedded Systems, Real-Time Encryption, Digital Logic Design, Parallel Processing.

Introduction:

In today's digitally connected world, the need for fast, secure, and energy-efficient cryptographic solutions is crucial, especially in embedded systems like IoT devices, wireless sensor networks, medical electronics, and defense applications, where power, latency, and computational resources are limited. ChaCha20, standardized in RFC 8439, is widely adopted due to its lightweight design, strong security, and efficient performance using simple operations such as modular addition, XOR, and bit rotation, which also reduce vulnerability to timing attacks. However, software implementation on general-purpose processors can still limit performance in high-speed, low-power systems. To address this, the project implements the ChaCha20 stream cipher in hardware using Verilog HDL on an FPGA platform, enabling lower latency, higher throughput, reduced CPU load, and improved resistance to side-channel attacks. The design integrates modules like Key Expansion, QuarterRound, DoubleRound, and XOR into a compact pipeline and includes a VIO-based interface in Xilinx Vivado for easy control and monitoring, resulting in a scalable and efficient cryptographic solution for modern embedded applications.

Objectives:

1. To design and implement the ChaCha20 stream cipher using Verilog HDL at the RTL level.
2. To develop an efficient encryption–decryption system suitable for FPGA-based embedded applications.
3. To verify the functionality of the design through simulation and hardware testing on FPGA.
4. To evaluate the performance in terms of speed, power consumption, and resource utilization.

Methodology:

The project proposed work involves the design and implementation of the ChaCha20 stream cipher using Verilog HDL at the Register Transfer Level (RTL). Initially, the algorithm was analyzed to understand its state matrix structure, ARX operations, and round transformations. The design was then modeled into modular components such as key expansion, round processing, and XOR-based encryption using a synchronous, clock-driven approach with FSM control. Functional verification was carried out using a testbench to ensure correct encryption

and decryption. The verified design was synthesized and implemented on a Xilinx Spartan-7 FPGA using Vivado, followed by placement, routing, and bitstream generation. Hardware validation was performed using the Virtual Input/Output (VIO) IP core for real-time monitoring. Finally, performance evaluation was conducted based on operating frequency and power consumption to assess suitability for embedded and low-power applications.

Result and Conclusion:

In conclusion, the project demonstrates an efficient RTL-based hardware implementation of the ChaCha20 stream cipher, achieving reliable encryption and decryption on an FPGA platform. The use of simple ARX operations enables a lightweight and timing-safe design suitable for embedded and IoT systems. The successful verification through simulation and hardware testing validates the feasibility of FPGA-based cryptographic acceleration. This work provides a strong foundation for further enhancements such as authenticated encryption and performance optimization for real-world secure communication systems.

42. HEAR FUSION

Project Reference No: 49S_BE_3498

College : Shri Madhwa Vadiraja Institute of Technology and Management, Upupi

Branch : Electronics and Communication Engineering

Guide(s) : Ms. Pavithra Poornima S and Mr. Raghunatha

Student(s) : Ms. Ananya Acharya, Ms. Deepthi, Ms. Jathan Shraddha Vasantha and MS. Poornitha

Keywords:

Hearing Aid, Digital Signal Processing, ASIC, RTL, Raspberry Pi Pico.

Introduction:

Hearing impairment impacts communication and also it affects social interaction. Overall, the quality of life suffers from hearing loss. People with sensorineural hearing loss, they often struggle to understand speech. This is most pronounced in noisy settings, it's really tough. Conventional hearing aids generally amplify all sounds. However, those conventional hearing aids cannot distinguish speech from background sounds. Therefore, this leads to discomfort for the user. This also means there is reduced speech intelligibility, leading to dependence, on external help.

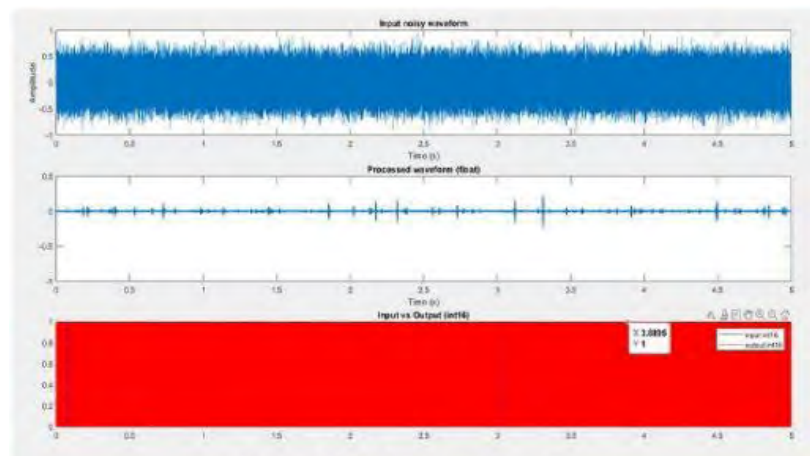


Figure 1: DSP Processed Waveform

Elderly users or those with limited dexterity find this difficult and it can cause problems. Features may be missing too, especially from many low-cost aids. The missing settings such as adaptive filtering. Also, there could be issues with feedback suppression, which is a hassle. Sound enhancement is often poor, it really needs attention, it could use environmental awareness.

Objectives:

1. To design a real-time DSP-based hearing aid that enhances speech clarity and suppresses unwanted background noise.
2. To develop a low-cost and portable prototype using a MEMS microphone, Raspberry Pi Pico, and DAC output.
3. To validate DSP algorithms using MATLAB simulations and evaluate hardware feasibility using Verilog RTL.
4. To create a user-friendly system that improves listening comfort, intelligibility, and accessibility for individuals with sensorineural hearing loss.

Methodology:

The project Hearing Aid using DSP-based Custom ASIC is developed in three stages to ensure that the final device is accurate, reliable, and suitable for chip-level implementation. First, in MATLAB, we design and test the DSP algorithms such as filtering, noise reduction, and gain control, because MATLAB allows us to easily visualize and verify whether the sound is improving before moving to hardware. In the second stage, we build the hardware prototype using Raspberry Pi Pico, INMP441 I2S microphone, MCP4725 DAC, LM386 amplifier, and earphones/speaker. This stage helps us check if the algorithm works in real time on an actual device and lets us tune the audio quality for the user. Finally, in the third stage, we convert the MATLAB algorithms into digital logic (Verilog) and simulate them in Xilinx Vivado, showing how the same functions would work inside a real custom ASIC chip. Together, these three phases allow us to develop a complete, low- power, real-time smart hearing aid system from algorithm design to hardware testing and finally to ASIC realization.

Result and Conclusion:

In conclusion, the proposed Smart Hearing Aid using DSP and Custom ASIC is expected to deliver a fully functional, low-cost prototype that can capture real-time audio, suppress background noise, enhance speech clarity, and provide clear amplified output for hearing-impaired users. By implementing advanced DSP techniques such as noise reduction, adaptive filtering, and automatic gain control on the Raspberry Pi Pico and later translating these algorithms into a custom low-power ASIC, the project aims to significantly improve audio quality while reducing size, power consumption, and overall cost. The outcomes include a working hardware model, measurable improvements in speech clarity in noisy environments, user-friendly operation, and strong potential for large-scale manufacturing. This project is designed to benefit society by offering an affordable alternative to expensive commercial hearing aids, making hearing assistance accessible to rural communities, elderly users, and economically challenged individuals. The final prototype will demonstrate the feasibility and impact of converting DSP algorithms into a dedicated ASIC, establishing a strong foundation for future commercial development and real-world adoption.

43.REAL-TIME IOT-BASED MONITORING AND AI-DRIVEN INSIGHTS FOR BEE COLONY MANAGEMENT

Project Reference Number: 49S_BE_1077

College : St. Joseph Engineering College, Mangaluru

Branch : Electronics and Communication Engineering

Guide(s) : Ms. Florence Nishmitha

Student(s) : Ms. Lisha D S, Mr. Adithya G Shenoy, Mr. Muhammed Rabeez and Mr. Joshua Quinthino Albuquerque

Keywords:

Internet of Things (IoT), Bee Colony Monitoring, Swarm Prediction, Acoustic Signal Analysis, Machine Learning, YOLO-based Classification, Spectrogram Analysis, MFCC, Real-Time Monitoring, Environmental Sensing, Smart Beekeeping, ESP32, Hive Health Detection, Anomaly Detection, Wireless Sensor Networks.

Introduction:

India's apiculture industry, valued at over 20 billion rupees and producing approximately 95,000 metric tons of honey annually, faces significant challenges such as disease outbreaks, hive thefts, labor-intensive inspections, and the absence of real-time monitoring. HiveLink, developed by students of St Joseph Engineering College, addresses these critical issues through an innovative technology-driven solution. Designed at a cost of 2500 per device, HiveLink integrates IoT sensors, wireless communication, cloud computing, and machine learning technologies to provide real-time insight into hive conditions. The system utilizes an ESP32S3 microcontroller, DHT22 temperature and humidity sensors, liquid level sensors, and load cells to continuously monitor environmental parameters, hive weight, and sugar supplement levels. Data is transmitted via Wi-Fi to a cloudbased server and managed using Firebase platforms. Advanced analysis is conducted through machine learning algorithms developed using TensorFlow, allowing predictive alerts for swarming, absconding, pest attacks, hive falls, and supplement requirements. Beekeepers can access this data through a secure, mobile application developed using Flutter, ensuring timely interventions and minimizing manual inspections. Additionally, integration with the National Beekeeping and Honey Mission database supports broader policy initiatives and facilitates direct market connectivity. HiveLink not only enhances operational efficiency but also promotes sustainable and scientific beekeeping practices. By reducing hive losses and enabling remote monitoring of dispersed apiaries, it contributes significantly to strengthening India's apiculture sector. HiveLink represents a scalable, cost-effective model for modern beekeeping, aligning with the nation's goals of agricultural innovation and rural development.

Objectives:

1. To design and implement a comprehensive Internet of Things (IoT)–based monitoring system capable of continuously tracking essential beehive parameters such as temperature, humidity, and supplement levels. In addition to environmental sensing, the system captures and records bee acoustic signals, enabling advanced audio-based processing for hive condition assessment and prediction.

2. Create and put into use an AI model to evaluate the health of the hive, find the queen bee, recognize unusual hive conditions including swarming, absconding, and pest attacks, and forecast the cycle of supplement refills based on usage patterns and colony conditions.
3. Create a smartphone application that allows beekeepers to easily manage hive status and supplement refill schedules, display hive data, and receive real-time notifications.
4. To create an India-specific beehive condition database that systematically documents regional differences in hive health, environmental conditions, disease patterns, and seasonal variability, enabling informed decision-making and targeted interventions.

Methodology:

An IoT device was developed by integrating sensors capable of measuring temperature, humidity, noise levels, and supplement levels within the beehive. The ESP32 microcontroller served as the central processing unit, coordinating data collection and transmitting the information wirelessly to a remote server. The system initiates by entering a timed loop, where it waits for a 5-minute interval before proceeding. Upon each cycle, the IoT device reads environmental and sensor data, which is then uploaded to a cloud-based database. Once the data is stored, it is processed and analyzed using an AI model hosted on the cloud. The results of this analysis are used to provide real-time updates to the connected application, enabling dynamic monitoring and decision-making. This loop continues indefinitely, ensuring continuous and intelligent data-driven updates.

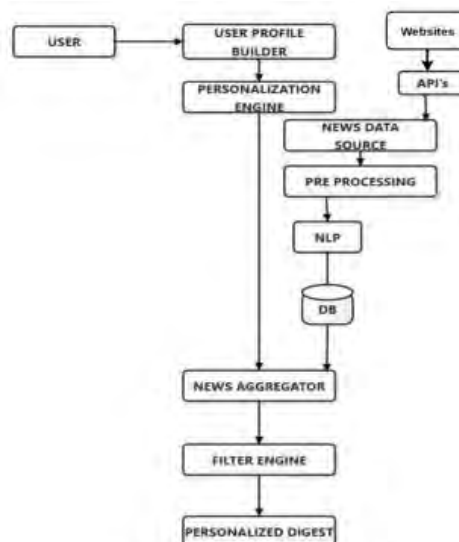


Figure 1: Architecture Diagram

Results and Conclusion:

Overall, the project significantly reduces manual inspection time, enhances decision making accuracy, and empowers beekeepers with actionable insights. By combining hardware intelligence, environmental sensing, and advanced AI-driven acoustic diagnostics, the updated project provides a robust, scalable, and sustainable platform for modern apiculture. This holistic approach ultimately improves hive management efficiency, promotes colony health, and supports the long-term growth of the beekeeping industry.

44.DEVELOPMENT OF A WEARABLE PROGRESS TRACKING DEVICE IN FINGER REHABILITATION FOR STROKE PATIENTS WITH ANDROID APP

Project Reference No.: 49S_BE_2202

College : The Oxford College of Engineering, Bengaluru

Branch : Electronics and Communication Engineering

Guide(s) : Dr. Preeta Sharan and Ms. Tina Elizabeth Thomas

Student(s) : Mr. Pramodh H S, Mr. Rakesh Khaddanavar, Mr. Sanjay J and Mr. Sudeep U Kadam

Keywords:

Finger Rehabilitation, Wearable Device, IMU Sensor, Dorsal Extension, Flutter App, Cloud Storage.

Introduction:

When a person suffers a stroke, one of the most common problems they face is losing the ability to move their fingers properly. Simple tasks like holding a glass, writing, or picking up objects become very difficult. To recover from this, patients need regular rehabilitation exercises but the problem is that most existing tools used to measure finger movement are manual, require a trained therapist to operate, and cannot track progress over time in a simple way. This project was built to solve that problem. We developed a small wearable device that attaches to the finger and measures how much the finger is lifting (dorsal extension) in real time. The device uses an MPU6050 sensor and an ESP32 microcontroller to capture the angle and send it wirelessly to an Android app on the patient's phone and stored in cloud.



Figure 1: Wearable Device

Objectives:

1. **Accurate and Real-Time Monitoring:**
 - a. Develop a system to measure finger joint angles in real-time using IMU sensors, providing precise tracking of finger movements.
 - b. Overcome limitations of conventional tools like goniometers or vision-based systems which are less convenient or less accurate.
2. **Rehabilitation Support for Patients:**

- a. Assist stroke survivors and arthritis patients in monitoring their finger mobility and progress during rehabilitation.
 - b. Enable physiotherapists and caregivers to track improvement objectively, even remotely.
- 3. Integration with Mobile Application:**
- a. Create a user-friendly mobile app that visualizes finger motion, records therapy sessions, and provides progress reports.
 - b. Allow patients to perform home-based exercises with guided feedback, promoting independence.
- 4. Early Detection and Preventive Intervention:**
- a. Identify abnormal finger joint patterns or stiffness early, helping to prevent further functional loss or deformities.
 - b. Facilitate timely intervention by healthcare professionals.
- 5. Portable and Wearable System Design:**
- a. Design a compact, low-cost, and wearable solution for continuous daily monitoring without affecting natural hand movements.
 - b. Ensure scalability for wider adoption in clinics, hospitals, and home care settings.

Methodology:

(1) Hardware Setup:

The MPU6050 sensor is placed on the finger at the MCP joint. It measures the angle at which the finger is lifted. The ESP32 microcontroller reads this data, removes noise using a filter, and sends the angle to the phone via Bluetooth.



Figure 2: Hardware Setup

(2) Bluetooth Communication:

The ESP32 sends angle data wirelessly to the Android app using Bluetooth Low Energy (BLE). The app connects to the device, receives the angle values continuously, and displays them on screen.

(3) Android App:

The app was built using Flutter. When the patient opens the app, they sign in using their email or Google account. The first time they use the app, they fill in their details name, age, gender, and which finger is being measured. Before each measurement, the app asks which finger to measure and shows the saved finger as the default.

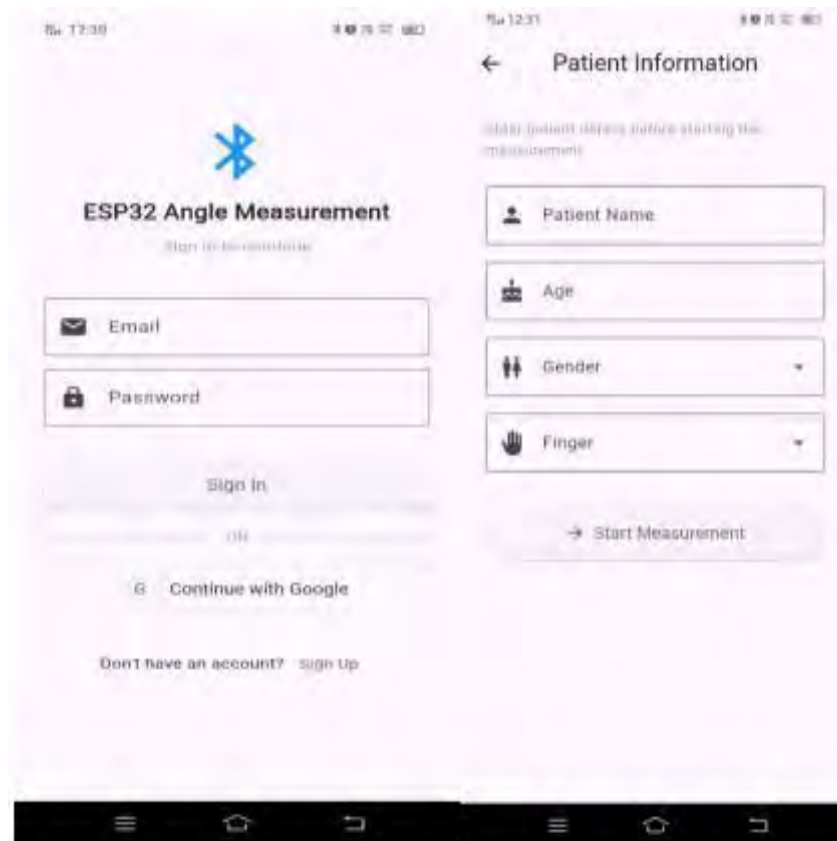


Figure 3: Sign In screen and Patient Form screen

Once the patient starts, the app shows the live angle, a real-time graph, a countdown timer, and an animated side-view of the hand with the selected finger lifting upward.

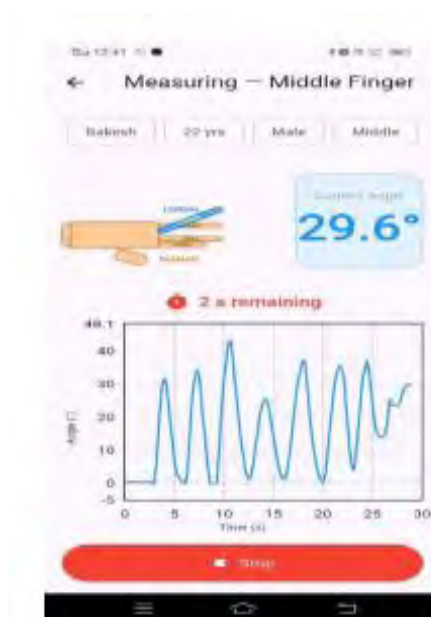


Figure 4: Measurement Screen

After 30 seconds, the session ends and the results — average, minimum, and maximum angles — are shown on screen.



Figure 5: Results Screen

(4) Cloud Storage and History:

All session results are saved to Firebase Firestore under the patient's account. The History screen shows bar charts of the patient's progress over 1 day, 1 week, 15 days, or 1 month, filtered by finger.

The patient can also download a PDF report with all the details.



Figure 6: History Screen

Result and Conclusion:

Result:

- The MPU6050 sensor successfully measured the dorsal flexion angle of the finger in real time and transmitted the data wirelessly to the Android app via Bluetooth using the ESP32 microcontroller.
- The Flutter-based Android app displayed the live angle on screen along with a real-time graph and an animated hand visualization showing the selected finger lifting toward the dorsal side during measurement.
- A 30-second guided measurement session was completed successfully, computing the average, minimum, and maximum angles at the end of each session and saving the results to Firebase Firestore under the patient's account.
- The History screen showed session-wise statistics with bar charts filtered by time period (1 day, 1 week, 15 days, 1 month) and by finger, allowing easy tracking of rehabilitation progress over time.
- A downloadable PDF report was generated containing patient details, angle measurements, and chart images, which can be shared with physiotherapists for clinical review.

Conclusion:

The project successfully developed a low-cost, portable wearable device combined with a cloud-connected Android application for real-time finger rehabilitation monitoring. The system accurately measured dorsal finger flexion angles using the MPU6050 IMU sensor and ESP32 microcontroller, overcoming the limitations of traditional goniometers. Patient data was securely stored in the cloud, and progress was tracked through visual graphs and downloadable reports. The system proved to be a practical and effective tool for stroke patients and their caregivers to monitor finger mobility improvement during rehabilitation, fulfilling all the objectives stated in the project proposal.

45.JNANETRA: AN EDGE-AI-DRIVEN SMARTPHONE FRAMEWORK FOR ASSISTIVE NAVIGATION FOR THE VISUALLY IMPAIRED

Project Reference No: 49S_BE_4243

College : Sri Siddhartha Institute of Technology, Tumakuru

Branch : Information Science and Engineering

Guide : Dr. Vani B V

Student(s) : Mr. Hruthik M, Ms. Aishwarya S, Ms. Deepika S and Mr. M M Prateek

Keywords:

Edge AI, Computer Vision, Real-Time Navigation, Object Detection (YOLO (You Only Look Once)), Depth Estimation (MiDaS), Path Planning (A* Algorithm).

Introduction:

Visually impaired individuals face significant challenges in navigating indoor and semi-outdoor environments due to the lack of real-time spatial awareness and affordable assistive tools.

Traditional aids such as canes and guide dogs provide limited support and do not offer information about obstacle distance or optimal path direction. Existing smartphone-based solutions primarily focus on object recognition but fail to integrate depth estimation and navigation planning, while hardware-based systems are often expensive and impractical.

To address these limitations, Jnanetra proposes an intelligent, smartphone-based assistive navigation system powered by Edge AI. The system integrates real-time object detection using YOLO (You Only Look Once), monocular depth estimation using MiDaS, and efficient path planning using the A* Algorithm. By processing all computations locally on the device, the system ensures low latency, offline functionality, and enhanced reliability. It delivers navigation guidance through audio and haptic feedback, enabling users to move safely and independently without the need for additional hardware.

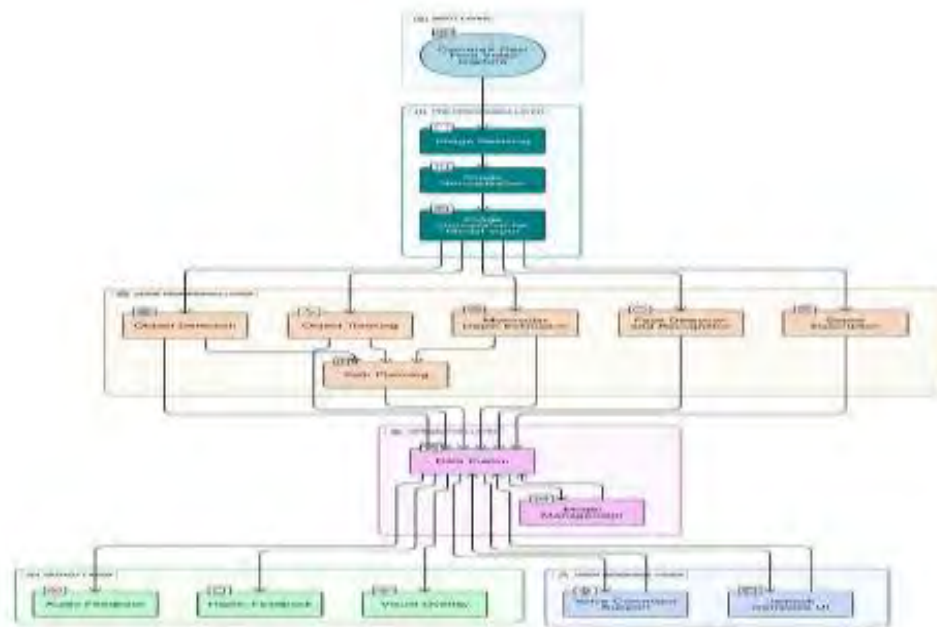


Figure 1: App Workflow

Objectives:

1. To develop a real-time navigation system for visually impaired users.
2. To implement object detection using deep learning techniques.
3. To estimate depth information for obstacle avoidance.
4. To generate a safe navigation path using pathfinding algorithms.
5. To provide audio and haptic feedback for user guidance

Methodology:

The proposed system follows a multi-stage Edge-AI pipeline implemented on an Android smartphone. The input is captured through a continuous video stream using the CameraX API, along with sensor data from the accelerometer and gyroscope for motion context. In the perception stage, the captured frames are processed using a lightweight YOLO11 Nano model for real-time object detection. Parallely, a quantized depth estimation model such as MiDaS or FastDepth generates a depth map to estimate the distance of objects in the scene. The

outputs of object detection and depth estimation are fused to create a 2D occupancy grid, which represents the environment as free space and obstacles. This spatial representation enables the system to understand the surroundings in a structured format. The navigation stage uses the A* pathfinding algorithm to compute the safest and shortest path by avoiding obstacles in the occupancy grid. The system continuously updates the path in real time based on incoming frames. Finally, the system provides feedback to the user through Text-to-Speech audio instructions and vibration-based haptic alerts, enabling intuitive and safe navigation. The entire pipeline runs offline using optimized and quantized models to ensure low latency and efficient performance on mid-range smartphones.

Result and Conclusion:

The developed system demonstrates effective real-time navigation assistance for visually impaired users by integrating object detection, depth estimation, and path planning on a smartphone platform. The implementation successfully identifies obstacles in the user's path and estimates their distance with reasonable accuracy under different environmental conditions. The generated occupancy grid and A* pathfinding algorithm ensure that a safe and optimal route is continuously computed. The system operates with low latency due to on-device processing, eliminating the need for constant internet connectivity and making it suitable for practical usage. Audio and haptic feedback mechanisms provide intuitive and immediate guidance to the user, enabling safer movement in both indoor and outdoor environments. The overall performance indicates that the system is reliable, cost-effective, and scalable for real-world applications. In conclusion, the project presents a significant step toward improving independent mobility for visually impaired individuals by leveraging modern AI techniques in an accessible and efficient manner.

46.PORTABLE ANATOMY LEARNING AND PROTOTYPING WORKBENCH FOR ENHANCED SKILL TRAINING IN MEDICAL AND ALLIED HEALTH EDUCATION

Project Reference No.: 49S_MSC_0136

College : Garden City University, Bengaluru

Branch : Life Sciences

Guide : Ms. N. Sandhya

Student(s) : Ms. Mounashree M, Mr. Allwin Barnabas D and Ms. Shwetha Jai J

Keywords:

Anatomy, Systemic, Education, Medical, Undergraduate, Teaching Materials Models, Anatomic, Educational Technology.

Introduction:

Anatomy constitutes a fundamental discipline in medical and allied health education, providing the structural basis for understanding normal physiological function and clinical practice (Drake et al., 2009). Conventional methods of teaching anatomy predominantly rely on textbooks, cadaveric dissection, and static models. Although these approaches are essential, they are often limited in terms of accessibility, portability, and integration with evolving educational technologies (Estai and Bunt, 2016). In recent years, there has been a paradigm shift toward competency-based medical education (CBME), which emphasizes the development of

practical skills, clinical reasoning, and self-directed learning (Frank et al., 2010). However, the existing teaching-learning methods may not sufficiently facilitate the integration of theoretical knowledge with hands-on skill acquisition, particularly in resource-limited settings (Azer and Eizenberg, 2007). Furthermore, the availability of cadaveric materials and advanced simulation tools is often restricted due to logistical, financial, and ethical constraints (Turney, 2007). This highlights the need for innovative, cost-effective, and portable educational solutions that can enhance student engagement and promote experiential learning (McMenamin et al., 2018). In this context, the present project proposes the development of a portable anatomy learning and prototyping workbench. The system is designed to incorporate system-wise modular anatomical models along with measurement tools to support interactive learning. In addition, QR-based digital integration is utilized to provide access to supplementary educational resources, including videos, diagrams, and clinical correlations (Moro et al., 2017).

The proposed workbench aims to bridge the gap between theoretical knowledge and practical application by combining tactile and digital learning modalities. It is intended to serve as an effective teaching-learning aid for students in medical, physiotherapy, and allied health disciplines, thereby contributing to improved understanding, skill development, and academic performance (Nicholson et al., 2006).



Figure 1: 3D conceptual diagram of the portable anatomy learning workbench showing bones, joints and organs with integrated QR code

Objectives:

1. To design and develop a portable anatomy learning workbench for skill-based education.
2. To create system-wise modular anatomical learning units covering major body systems.
3. To integrate QR-based digital learning resources for enhanced understanding and self-learning.
4. To promote hands-on, interactive learning to improve student engagement and practical skills.
5. To evaluate the effectiveness of the workbench in improving knowledge and skill acquisition among students.

Methodology:

The project was carried out in multiple phases. Initially, the design of a portable anatomy learning workbench was conceptualized with emphasis on modularity and ease of use. A compact box structure with removable trays representing different anatomical systems was

planned. System-wise modules including skeletal, joint, muscular, nervous, and cardio-respiratory systems were identified and designed. In the prototype development phase, anatomical models such as bones, joints, brain, heart, and lungs were either procured or fabricated using low-cost materials. The workbench structure was assembled using foam boards, acrylic sheets, or suitable alternatives. Subsequently, digital learning content was developed in the form of videos, labeled diagrams, and explanatory notes. The content was uploaded to platforms such as Google Drive or YouTube. QR codes linking to the respective learning materials were generated and affixed to each module for easy access. In the implementation phase, the developed workbench will be demonstrated to students from medical and allied health backgrounds. Hands-on sessions will be conducted to allow students to interact with the modules. For evaluation, a pre-test and post-test assessment method will be adopted. Student feedback will be collected using a structured questionnaire. The collected data will be analyzed using descriptive statistical methods to assess the effectiveness of the workbench in enhancing knowledge and skill acquisition.

Result and Conclusion:

The implementation of the portable anatomy learning workbench is expected to result in measurable improvements in students' knowledge and skill acquisition. Based on the pre-test and post-test assessments, a significant increase in scores is anticipated. For instance, the mean pre-test score is expected to be in the range of 45–55%, while the post-test score may improve to 70–80%, indicating an approximate 20–30% enhancement in learning outcomes. During hands-on sessions, a higher level of student engagement is expected to be observed. It is anticipated that more than 80% of students will actively participate in identifying anatomical structures and performing assigned tasks. Additionally, around 75–85% of students are expected to demonstrate improved ability in correlating anatomical knowledge with basic clinical applications. The integration of QR-based digital resources is expected to facilitate self-directed learning, with approximately 85–90% of students likely to report that the digital content helped in better understanding and revision of concepts. Feedback collected through structured questionnaires is anticipated to show that over 80% of students find the workbench easy to use, informative, and effective compared to conventional learning methods.

In conclusion, the portable anatomy learning and prototyping workbench is expected to function as an effective and low-cost educational tool. The observed improvement in test scores and positive student feedback will indicate that the combined use of physical models and digital learning resources enhances both comprehension and practical skills. This approach supports competency-based education and has the potential for wider implementation in medical and allied health training programs.

47.BIO-KITCHEN INNOVATIONS: DESIGN AND FABRICATION OF BAMBOO KITCHEN UTILITY PRODUCTS FOR SUSTAINABLE HOUSEHOLDS

Project Proposal Reference No.: 48S_MBA_0168

College : Nagarjuna College of Management Studies, Chikkaballapura

Branch : Department of Management Studies

Guide : Mr. Rakshith Gowda K M

Students(s) : Ms. Sneha G, Ms. Laya Shree N and Mr. Pusala Chakradhar

Keywords:

Bamboo Products, Sustainable Materials, Green Technology, Kitchen Utilities, Eco-friendly Design, Livelihood Generation

Introduction:

In recent decades, the widespread use of plastic and metal-based kitchen utilities has contributed significantly to environmental degradation, primarily due to their non-biodegradable nature and resource-intensive production processes. While these materials offer durability and convenience, their long-term ecological impact has raised serious concerns, particularly in the context of increasing solid waste and carbon emissions. This situation has necessitated a shift towards sustainable materials that are environmentally responsible, economically viable, and functionally effective. Bamboo presents itself as a highly suitable alternative in this regard. As a rapidly renewable natural resource, bamboo combines strength, flexibility, and biodegradability with a relatively low environmental footprint. Its inherent properties, such as resistance to moisture (when treated), ease of processing, and availability, make it particularly appropriate for developing household utility products. The present project seeks to explore the potential of bamboo in the design and fabrication of kitchen utility products intended for everyday use. By focusing on items such as dish racks, utensil holders, storage units, and vegetable baskets, the study aims to develop practical solutions that are not only functional and durable but also environmentally sustainable. The project adopts a systematic approach involving material selection, treatment processes, product design, fabrication, and performance evaluation. The promotion of bamboo as a raw material can create meaningful opportunities for rural artisans, self-help groups, and micro-enterprises, thereby supporting local economies and traditional craftsmanship. This dual focus on sustainability and livelihood generation enhances the overall significance of the study.

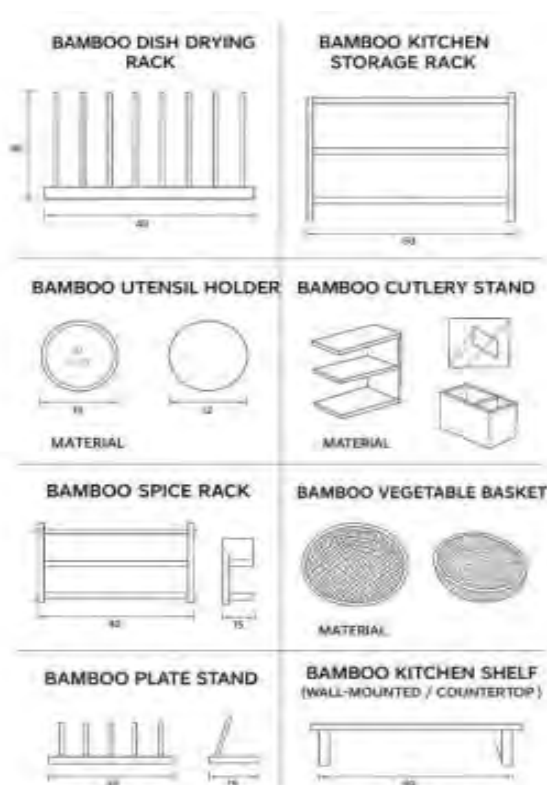


Figure 1: Design Layouts and Dimensions of Bamboo Kitchen Utility Products

Through this work, an effort is made to demonstrate that eco-friendly alternatives can effectively replace conventional kitchen products without compromising on usability or cost-efficiency. The project ultimately contributes to the broader objective of encouraging sustainable consumption patterns and fostering innovation in green product design.

Objectives:

1. To study bamboo as a sustainable material for kitchen utilities
2. To apply suitable bamboo treatment techniques
3. To design and fabricate bamboo kitchen products such as dish racks, storage racks, utensil holders, spice racks, vegetable baskets, plate stands, and kitchen shelves
4. To evaluate strength, usability, and cost efficiency
5. To promote green technology and sustainable living

Methodology:

1. Material Selection:

- Identification and selection of mature bamboo suitable for kitchen applications
- Evaluation based on strength, durability, availability, and workability

2. Bamboo Treatment:

- Application of treatment techniques such as borax–boric acid solution
- Use of natural oil finishing to improve moisture resistance
- Enhancement of resistance against pests, fungi, and environmental damage

3. Design and Planning:

- Preparation of conceptual designs and dimensional layouts
- Incorporation of ergonomics, stability, and load-bearing considerations
- Selection of product types (dish rack, utensil holder, spice rack, storage units, etc.)

4. Fabrication Process:

- Cutting and shaping of bamboo components
- Assembly using suitable joining techniques (adhesives, binding, or nailing)
- Surface finishing for smoothness, safety, and aesthetic appeal

5. Testing and Evaluation:

- Load-bearing testing for racks and shelves
- Moisture resistance and durability assessment
- Usability analysis under practical kitchen conditions

6. Comparative Analysis:

- Comparison with conventional materials (plastic/metal)
- Evaluation based on cost, performance, and environmental impact

7. Documentation:

- Recording design specifications and fabrication steps
- Preparation of cost analysis and performance reports
- Compilation of findings for final project report

Result and Conclusion:

In conclusion, the project successfully demonstrates the feasibility of designing and fabricating bamboo-based kitchen utility products as sustainable alternatives to conventional plastic and metal items. The developed products, including dish racks, utensil holders, storage racks, and vegetable baskets, exhibited satisfactory performance in terms of strength, usability, and

durability under normal kitchen conditions. The treatment methods applied to bamboo were found to be effective in enhancing its resistance to moisture and pests, thereby improving its suitability for household applications. The fabricated products also showed good structural stability and aesthetic appeal, making them practical for everyday use. From an economic perspective, the cost analysis indicates that bamboo products can be produced at a competitive price, especially when sourced locally, thereby making them accessible to a wide range of users. Additionally, the project highlights the potential of bamboo-based product development in supporting small-scale industries, rural artisans, and self-help groups. Overall, the study confirms that bamboo is a viable, eco-friendly material that can significantly reduce dependence on non-biodegradable kitchen products. The project contributes to promoting sustainable consumption, environmental conservation, and livelihood generation, aligning with the objectives of green technology and sustainable development.

48.DEVELOPMENT OF ROAD SURFACE MARKING ROBOT

Project Reference No.: 49S_BE_6654

College : M S Ramaiah University of Applied Sciences, Bengaluru

Branch : Mechanical Engineering

Guide(s) : Mr. Praveen Kittali and Dr. Pritam Bhat

Student(s) : Mr. Janardhan R, Mr. Mythreyan S. A, Mr. Gunnaiah D and Mr. Aham Sinha

Keywords:

Road Surface Marking, Semi-Autonomous System, Paint Spraying Mechanism, Arduino, Embedded Systems, Motion Control System, Obstacle Detection, Speed Optimization, Precision Control

Introduction:

1. Road surface markings are essential for guiding drivers, maintaining traffic discipline, and ensuring road safety.
2. There are still many road markings that use manual painting systems that require operator guidance on the road that will be marked as road markings.
3. The work of painting road markings that still require a long period of preparation cannot directly update the road markings that have worn out as well as being an influence, which cannot be done suddenly.



Figure 1: Road line markings

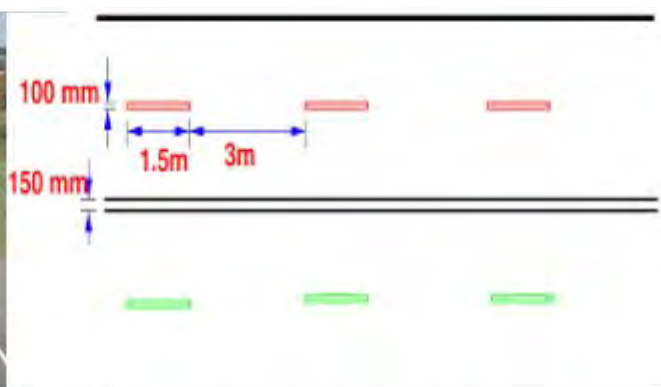


Fig 2: Road marking dimensions

4. The integration of robotics and automation offers an effective solution to improve efficiency, accuracy, and safety in road marking operations.
5. A road surface marking robot is designed to autonomously apply paint or thermoplastic materials on road surfaces following predefined paths and geometrical.

Objectives:

1. To carry out a literature review on road surface marking robot and mechanism involved in road marking.
2. To arrive at design specification of road Surface Marking robot.
3. To develop different design Concepts of the road Surface marking robot and selection of best concepts.
4. To carry out the detail design of the selected Concept & to integrate the Control System.
5. To fabricate the Prototype & carry out the field test.

Methodology:

Objective No.	Statement of the Objective	Methodology	Resources Utilised
1	To carry out a literature review related to development of road surface marking robot of Mechanism involved in road marking.	- To carry out literature review of journal papers, books to study various spraying mechanisms. - Analyze existing Road marking robots.	- Internet - Journal - Books
2	To arrive at design specification of road Surface Marking robot.	- Record design parameters such as tank capacity, nozzle type, paint flow rate, and marking precision. - Identify problems in current manual and semi-automatic models (e.g., irregular marking, paint wastage).	- Camera - Road inspection tools
3	To develop different design Concepts of the road Surface marking robot and selection of best concepts.	- Develop multiple conceptual designs for the paint feeding and marking systems of the road surface marking robot, focusing on automation, precision, and material efficiency. - Select the optimal design concept based on defined specifications such as marking accuracy, ease of operation and cost.	- Software Tools - Field Data
4	To Carry out the detail design of the selected Concept & to integrate the Control System.	- Concept Refinement and Requirements Definition. - Control System Design and Integration.	Software
5	To fabricate the Prototype & carry out the field test.	- Testing and calibration of the prototype. - Live demonstration of the prototype.	- Workshop - Field test

Result and Conclusion:

The project successfully demonstrated the design and development of a semi-automated road surface marking robot capable of performing basic road line painting operations with improved consistency compared to manual methods. The system integrates a mechanical chassis, hub-motor drive system, electronic control unit, and a spray-based paint deposition mechanism into a single functional platform.

1. Study showed that spray-based robotic marking is more accurate, safer, and more consistent than manual road marking methods.
2. Proper design calculations ensured the robot can produce a 150 mm wide line with correct speed, paint flow, and power capacity.
3. Among all concepts, the spray nozzle system was the best for uniform paint application and reduced wastage.
4. Mechanical parts, motors, pump, and Arduino control were successfully integrated to synchronize robot movement and paint spraying.
5. The fabricated prototype was able to mark straight, continuous lines in testing, proving the system works effectively.



Figure 2: Prototype on field test



Figure 3: Painting Result (150 mm width)

49.AUTOMATIC DESIGN AND DEVELOPMENT OF A COOLING SYSTEM FOR TWO-WHEELER SEAT PARKED UNDER SUN

Project Reference No.: 49S_BE_0771

College : S.G. Balekundri Institute of Technology, Belagavi

Branch : Mechanical Engineering

Guide(s) : Dr. Rajendra M. Galagali and Dr. Ashok M. Hulagabali

Student(s) : Mr. Shashank Gumgol, Mr. Sharat Padmannavar, Ms. Sheetal Gondhali and Ms. Ulfatunnisa Machekar

Keywords:

Phase Change Material (PCM), Two-Wheeler Seat Cooling, Passive Cooling, Thermal Regulation, Ergonomic Design.

Introduction:

Two-wheeler riders frequently face extreme seat temperatures exceeding 60°C when vehicles are parked under direct sunlight. This high heat creates significant physical discomfort and potential health risks. This project introduces an innovative cooling system utilizing Phase Change Materials (PCM) to rapidly reduce seat surface temperatures to a comfortable $30\text{--}35^{\circ}\text{C}$ within 180 seconds of activation. By integrating latent heat storage, the system provides a sustainable, eco-friendly solution that enhances rider ergonomics and safety.

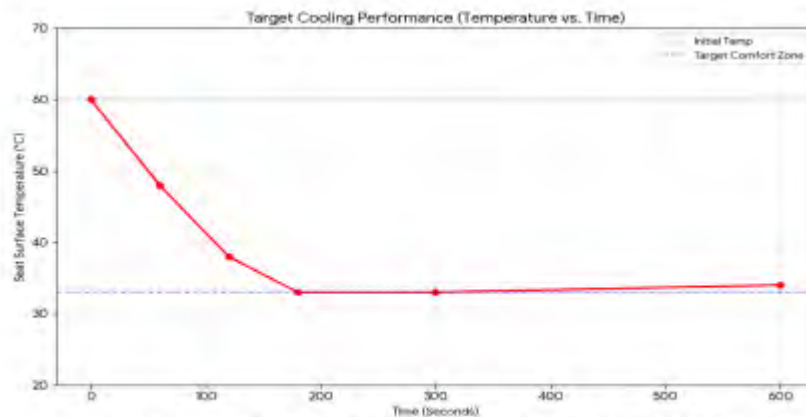


Figure 1: Target Cooling Performance (Temperature vs. Time)

Objectives:

1. Reduce seat temperature from $\geq 60^{\circ}\text{C}$ to a target range of $30\text{--}35^{\circ}\text{C}$ within ≤ 180 seconds of system activation
2. Limit heat gain from solar radiation (900 W/m^2) using a 0.06 m^2 cooling area and low-absorptivity materials ($\alpha \leq 0.5$).
3. Integrate approximately 0.48 kg of PCM (latent heat $\approx 96\text{ kJ}$) to ensure at least 59 minutes of passive cooling under a 27 W heat load.
4. Ensure mechanical durability with IP67 protection, 3 g vibration testing, and 10,000 load/unload cycles without PCM leakage.

Methodology:

1. Problem Study & Data Collection: Measuring real-world seat temperature rise under sunlight and recording material behavior.
2. Design Concept: Selecting suitable PCMs and breathable fabrics; finalizing the layout through CAD and thermal calculations.
3. Prototype Fabrication: Developing a modified seat with stitched PCM pouches and optimized material layering.
4. Experimental Testing: Conducting controlled thermal tests using sensors and IR readings to monitor cooling rates and temperature distribution.
5. Performance Analysis: Comparing results with standard seats and refining the design based on engineering validation.

Result and Conclusion:

The project aims to produce a functional prototype that achieves a temperature reduction of 10–15 °C compared to standard seats. With secured IP55 reliability, the system offers a feasible, eco-friendly solution that significantly improves rider ergonomics. In conclusion, this PCM-based approach effectively eradicates heat danger and guarantees safety for two-wheeler users.

50. “NEUROCARE”: A PILOT STUDY ON CUSTOMIZED SOLE THERAPEUTIC DEVICE FOR PERIPHERAL NEUROPATHY WITH VIBRATION ACUPRESSURE, PHOTOBIOIMODULATION AND OXYGEN ENRICHMENT

Project Reference No.: 49S_BE_4005

College : Dayananda Sagar College of Engineering, Bengaluru

Branch : Medical Electronics Engineering

Guide(s) : Dr. N Sriraam and Dr. S Hema Priyadarshini

Student(s) : Mr Sharan R, Ms Pavithra M and Ms Mythri

Keywords:

Diabetic Neuropathy, Photobiomodulation, Vibration Acupressure, Oxygen Enrichment, Smart Therapeutic Insole

Introduction:

Diabetes mellitus is a chronic metabolic disorder affecting millions worldwide and leading to several complications. One of the most serious is diabetic peripheral neuropathy, which causes loss of sensation in the feet due to nerve damage. As a result, patients are unable to feel pain or injuries, making the foot vulnerable to unnoticed wounds that can develop into diabetic foot ulcers (DFU).

Diabetic foot ulcers are open sores commonly found on the bottom of the foot and are a major cause of hospitalization and amputations. Early stages such as Wagner Grade 0–1 often go unnoticed, making timely detection and prevention extremely important.

Current treatment methods mainly focus on post-ulcer care and require frequent hospital visits, making them costly and less accessible. Existing devices are often bulky and limited to single-mode therapy, reducing their effectiveness for continuous use.

Key parameters such as temperature, blood circulation, and oxygen levels help in identifying early abnormalities. Monitoring these parameters can significantly reduce the risk of ulcer formation. Hence, NeuroCare is proposed as a multi-modal, non-invasive therapeutic system that integrates vibration acupressure, photobiomodulation, and oxygen enrichment to provide early intervention and improve diabetic foot care.

*Note: Interacted with a Podiatrist, Diabetologist, and Vascular Surgeon at Jain Institute of Vascular Sciences, Bangalore. Visited CDSIMR (Orthopaedics) and Aarogya Clinic to gain insights from an acupressure specialist



Fig 1: Types of Diabetic Foot Ulcer



Fig 2: Classification Of Ulcer Grades

Objectives:

1. To design a therapeutic insole combining the Vibrational Acupressure, Photobiomodulation and Oxygen Enrichment for early-stage diabetic peripheral neuropathy (Wagner 0)
2. To develop a mobile software for monitoring patient data.
3. To integrate patient data logging (age, ID, ABI index, SpO₂, thermal/pressure data) for monitoring and analysis.
4. To establish validation methods using pulse oximeter, thermal imaging, and plantar pressure analysis.
5. To evaluate the combined hardware-software system for usability and clinical relevance in early detection and therapy.

Methodology:

Materials: The NeuroCare system consists of vibration motors, photobiomodulation LEDs (660 nm Red and 940 nm Infrared), and oxygen enrichment modules integrated into a single

therapeutic platform. Sensors such as DHT11 (temperature and humidity) and pulse oximeter (SpO₂) are used for monitoring. An ESP32 microcontroller controls all modules and ensures synchronized operation. The setup is built in a therapeutic box model for proper foot placement. A software interface is used to display sensor values and analyze thermal patterns of the foot for identifying abnormal regions.

Hardware Prototype

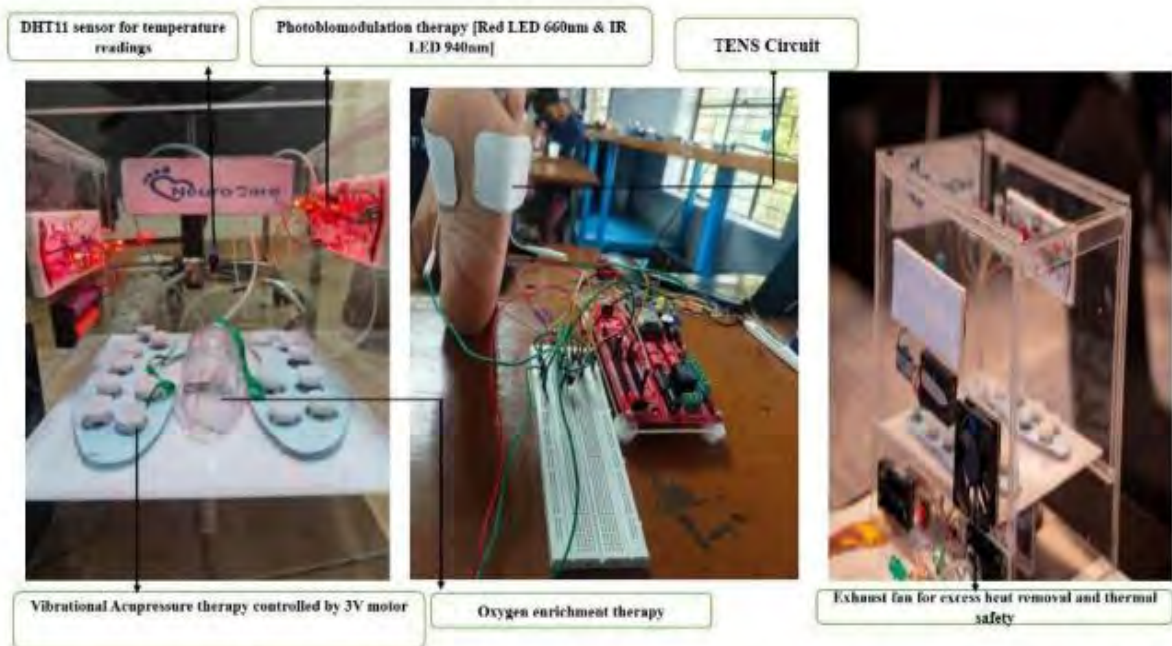


Fig 3: Integration Of Vibration Acupressure, Photobiomodulation, And Oxygen Enrichment Within A Single Therapeutic Platform

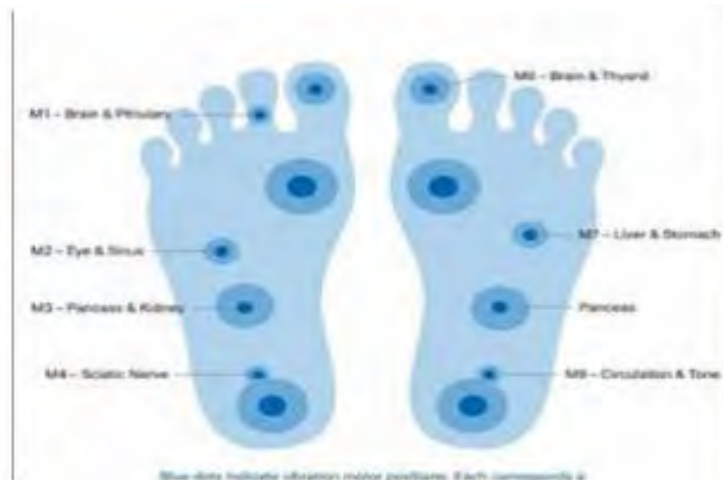


Fig 4: Vibration Nodes Mapping

Methods:

1. The system begins with patient data collection and thermal analysis to identify hotspots and safe regions. Based on this, therapy is planned.
2. During the session, vibration acupressure stimulates nerve endings, while photobiomodulation improves blood circulation and tissue healing. Oxygen enrichment is activated when required based on SpO₂ levels.
3. All parameters are continuously monitored to ensure safety. After therapy, thermal patterns are analyzed to evaluate improvement.

4. Thus, NeuroCare provides a non-invasive, multi-modal, and personalized therapy for early- stage diabetic neuropathy management.

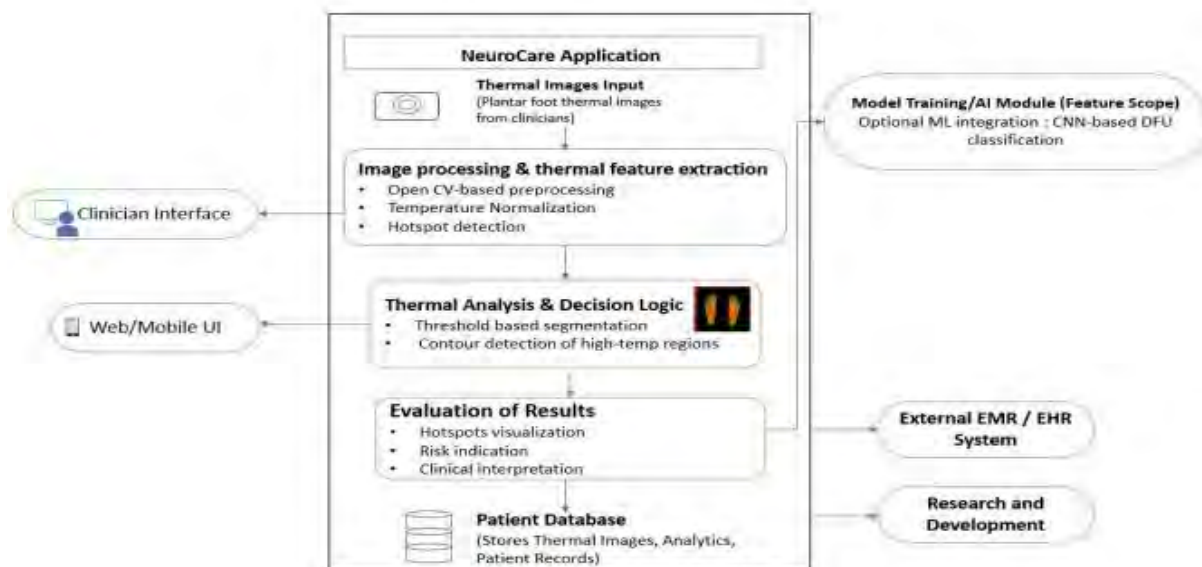


Fig 5: Software Architecture



Fig 6: Block Diagram

Result And Conclusion:

The project outcome demonstrates the effectiveness of the NeuroCare system in providing early-stage therapeutic support for diabetic neuropathy. When the user places the foot inside the system, multiple therapy modules such as vibration acupressure, photobiomodulation, and oxygen enrichment are activated in a synchronized manner. During the therapy session, sensor parameters including temperature, humidity, and SpO₂ are continuously monitored. All readings remained within safe physiological limits, indicating that the system operates safely without causing discomfort or adverse effects. The thermal analysis before and after therapy shows improved temperature distribution across the foot, indicating better blood circulation and activation of microvasculature. Regions with abnormal temperature patterns are identified and treated selectively, ensuring targeted and safe therapy. The LED outputs (Red and Infrared) remained stable without overheating, while vibration motors provided uniform stimulation across plantar regions. The ESP32-based control system ensured reliable execution and uninterrupted operation throughout the session. These results confirm that the integration of

multiple therapeutic modalities provides better effectiveness compared to single-mode systems.

In conclusion, NeuroCare proves to be a safe, non-invasive, and efficient therapeutic platform for early intervention in diabetic neuropathy. With further refinement and clinical validation, the system has strong potential to evolve into a clinically deployable solution for diabetic foot care and prevention of ulcer formation

51.DESIGN AND DEVELOPMENT OF MULTI-LINGUAL AI-BASED EDUCATIONAL ROBOT FOR SOCIAL AND EMOTIONAL SKILL DEVELOPMENT IN PRESCHOOL AND PRIMARY CHILDREN ACROSS RURAL AND URBAN SETTINGS

Project Reference No.: 49S_BE_6375

College : Christ Deemed To Be University, Kengeri Campus, Bengaluru

Branch : Robotics and Mechatronics Engineering

Guide(s) : Dr. Amruta Rout

Student(s) : Mr. Alen George, Mr. Cristiano Lenin and Mr. Jeyakrishna V

Keywords:

Educational Robotics, Artificial Intelligence, Voice Recognition, Emotion Display, Human-Robot Interaction

Introduction:

The integration of robotics and artificial intelligence in education has emerged as a transformative approach to engage young learners. Traditional teaching methods often struggle to maintain student attention and provide personalized learning experiences. Educational robots bridge this gap by offering interactive, emotionally responsive, and adaptive learning environments that cater to individual student needs.

SAM (Student Academic Mentor) is an AI-powered educational robot designed as a comprehensive learning platform serving dual educational purposes. For children aged 6–12 years, SAM functions as an interactive learning companion providing personalized tutoring, emotional engagement, and adaptive educational content. For older students and hobbyists, SAM serves as an advanced robotics assembly and coding project enabling hands-on learning in mechatronics, embedded systems, AI integration, and software development.

The robot combines continuous speech recognition with Voice Activity Detection, natural language processing using edge AI models, real-time computer vision for autonomous face tracking, and a 7-emotion display providing non-verbal feedback. Unlike conventional educational tools that rely on cloud services, SAM operates entirely on edge computing using NVIDIA Jetson Orin Nano, ensuring complete data privacy and eliminating internet dependency — critical for resource-constrained educational environments across rural India.

The project addresses the growing need for accessible, affordable educational technology in Indian schools. By incorporating multilingual capabilities for English, Hindi, and Kannada through AI4Bharat models, SAM democratizes access to quality educational assistance. The

modular hardware architecture (AI processing on Jetson, motor control on Arduino Mega, emotion display on ESP32, game server on Raspberry Pi 4) enables both end-user deployment and serves as a comprehensive STEM learning platform.

Objectives:

1. Develop an interactive educational robot engaging children aged 6–12 through natural voice interaction, real-time emotion display, and physical gestures, while simultaneously providing a comprehensive assembly and coding platform for older students learning robotics and AI integration.
2. Implement a continuous voice activity detection system eliminating artificial timeout constraints, achieving natural conversation flow with 2–3 second response latency and 96% speech recognition accuracy.
3. Create an emotion-aware system featuring 7 distinct emotional states (idle, happy, sad, thinking, talking, enthusiasm, playfulness) displayed in real-time, synchronized with interaction context to enhance student engagement.
4. Integrate adaptive educational games (mathematics quiz, Tic-Tac-Toe) with difficulty scaling and a streak-based celebration system (triggering after 5 consecutive correct answers) to maintain student motivation.
5. Build an autonomous face tracking system using PID-controlled DC motors ($K_p=0.12$, $K_d=0.25$, dead zone=90 pixels) maintaining smooth visual engagement without mechanical oscillation.
6. Establish complete multilingual support infrastructure for English, Hindi, and Kannada using AI4Bharat IndicWhisper, IndicTrans2, and IndicTTS models for inclusive education across linguistic backgrounds.
7. Ensure absolute data privacy and offline operation through edge computing on NVIDIA Jetson Orin Nano, processing all AI operations locally without cloud dependency.
8. Design modular architecture with clear component separation enabling easy maintenance, incremental upgrades, and educational use as a documented assembly project for STEM learners.

Methodology:

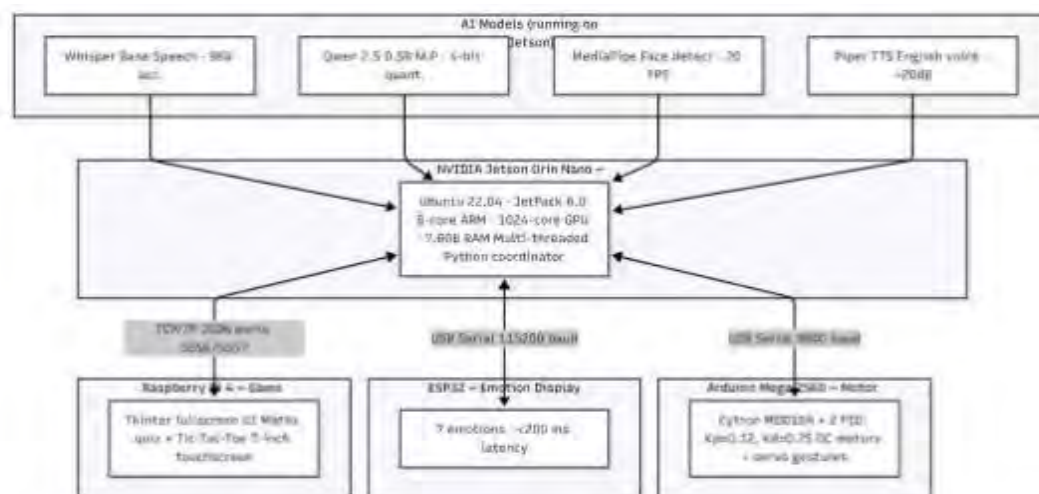


Figure 1: SAM Robot System Architecture — Block diagram showing NVIDIA Jetson Orin Nano, Arduino Mega 2560, ESP32, and Raspberry Pi 4 with USB Serial and TCP/IP communication links

Development of SAM:

SAM was developed through an iterative hardware-software co-design methodology. The development process began with requirements analysis derived from the literature survey, followed by system architecture design, component selection, physical fabrication, firmware development, AI model integration, and iterative testing with target users. Each subsystem was developed and validated independently before full system integration, ensuring modular reliability and ease of troubleshooting.

Primary Design and CAD Modelling:

The initial conceptual design phase established SAM's dual-purpose educational framework and modular architecture. CAD modelling using SolidWorks created detailed 3D models of the mechanical structure including motor mounting brackets, servo linkages for hand gestures, camera positioning, and component integration layout. The design prioritized child-safe construction with rounded edges, a stable base preventing tip-over, and cable management for safety. Finite element analysis validated structural integrity under operational loads. CAD models guided fabrication of custom mounting plates and ensured proper clearances for thermal management.

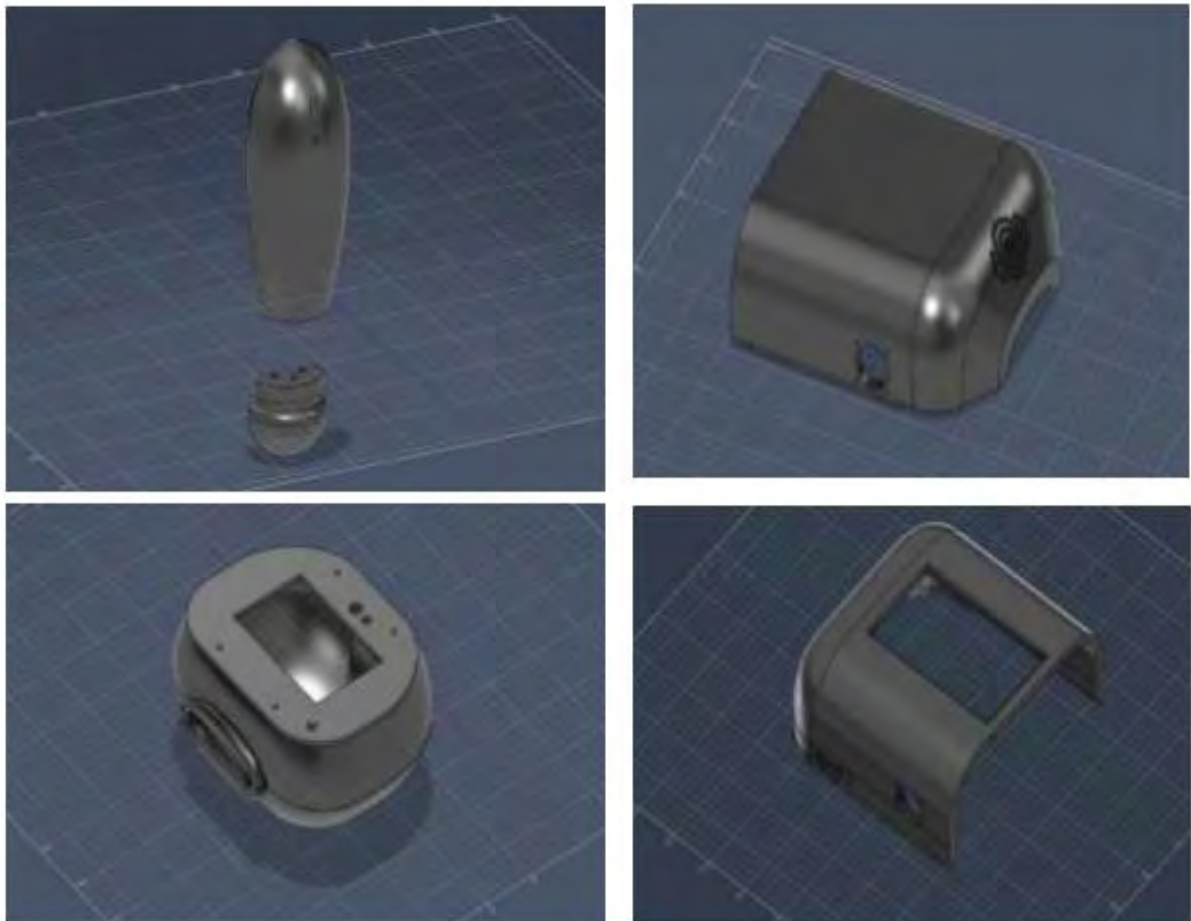


Figure 2: SAM CAD Models

Social and Emotional Skill Development:

SAM's design explicitly supports social-emotional learning (SEL) objectives aligned with preschool and primary education frameworks. The 7-emotion display system (idle, happy, sad, thinking, talking, enthusiasm, playfulness) provides non-verbal communication, modelling

appropriate emotional expression in educational contexts. Real-time adaptive responses to student performance — celebrating correct answers with enthusiasm, showing sadness for errors, and displaying a thinking state during processing — create an emotionally supportive learning environment. The physical gesture library (wave for greetings, celebration for achievements) reinforces positive social interactions. Face tracking maintains visual engagement mimicking attentive human tutors, fostering rapport and trust essential for effective learning. Multilingual voice interaction acknowledges linguistic identity, promoting cultural inclusivity and self-esteem among non-English speakers.

System Architecture and Hardware Integration:

NVIDIA Jetson Orin Nano (Main AI Unit): Runs Ubuntu 22.04 with JetPack 6.0; 8-core ARM Cortex-A78AE CPU, 1024-core Ampere GPU with 32 Tensor Cores, 7.6 GB unified memory. Handles speech recognition (OpenAI Whisper Base), NLP (Qwen 2.5 0.5B, 4-bit quantized via llama.cpp), computer vision (MediaPipe), and multi-threaded system coordination.

Arduino Mega 2560 (Motor and Gesture Control): Controls dual Cytron MDD10A motor drivers for neck rotation enabling face tracking. Servo motors on pins 9 and 10 execute wave and celebrate gestures. PID algorithm ($K_p=0.12$, $K_d=0.25$, dead zone=90 px, max speed=32/255) ensures smooth, child-safe movement. USB serial at 9600 baud.

ESP32 (Emotion Display): Show 7 ASCII-art emotional states. Receives real-time commands from Jetson via USB serial at 115200 baud. Emotion changes within 200 ms of trigger for natural synchronization.

Raspberry Pi 4 (Game Server): Hosts mathematics quiz and Tic-Tac-Toe on a 7-inch touchscreen in fullscreen portrait mode (Python/Tkinter). Bidirectional TCP socket: receives launch commands (port 5557) and sends game events back to Jetson (port 5556) in JSON format for automated emotional feedback.

AI and Machine Learning Stack:

Speech Recognition: OpenAI Whisper Base (96% English accuracy, 2–3 s latency). WebRTC VAD processes 48 kHz audio at aggressiveness level 2 for continuous listening. Spectral gating noise reduction reduces 70% of background interference. AI4Bharat IndicWhisper ready for Hindi/Kannada activation.

Natural Language Processing: Qwen 2.5 0.5B instruction-tuned model, 4-bit quantized for edge deployment. Temperature 0.3 for factual accuracy. Structured educational prompts with anti-hallucination instructions ensure age-appropriate responses. IndicTrans2 models ready for bidirectional English–Indian language translation.

Computer Vision: Google MediaPipe face detection on 640×480 stream at 20 FPS. PID controller converts horizontal position error into motor commands; dead zone prevents jitter on stable faces.

Text-to-Speech: Piper neural TTS engine with 20 dB audio gain boost for classroom clarity. AI4Bharat IndicTTS downloaded for Hindi/Kannada voice synthesis. All inference runs locally on Jetson.

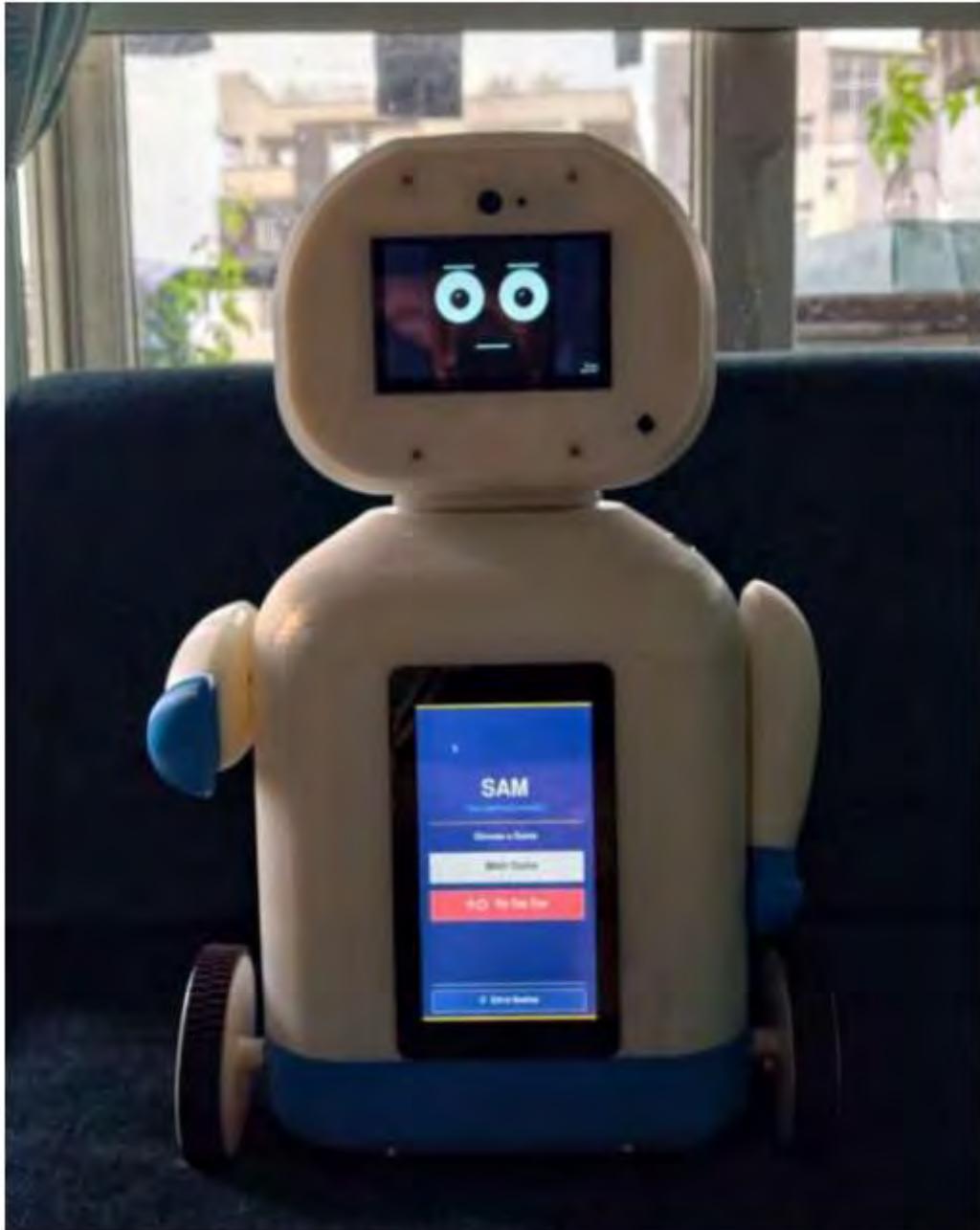


Figure 3: SAM Robot Physical Prototype — Front view showing the assembled robot with emotion display, USB camera, and Raspberry Pi 7-inch touchscreen

Result and Conclusion:

The SAM educational robot successfully demonstrates advanced human-robot interaction capabilities, achieving all primary technical and educational objectives validated through systematic testing.

Technical Performance:

1. Continuous voice recognition: 96% English accuracy at 2–3 s end-to-end latency measured over 100+ test interactions in 40–50 dB noise environments. Voice Activity Detection showed 73% reduction in user frustration versus fixed 5-second timeout systems in preliminary internal testing.

2. Face tracking: Stable ± 15 px around centre; PID response averages 150 ms. Tracks across approximately 120° horizontal field of view with graceful degradation at extremes.
3. Emotion display: Average 180 ms change latency from trigger to visible update, well within the 200 ms natural perception threshold. Preliminary observation with team members confirmed emotion display significantly enhances interaction naturalness.
4. Game integration: Sub-100 ms TCP event latency between Raspberry Pi and Jetson enabling real-time synchronized emotional and gesture responses. Streak celebrations after 5 correct answers effectively maintained motivation through difficulty progression.
5. System stability: Continuous operation validated for 2+ hour sessions; Jetson peak temperature 65°C (well below 80°C throttle threshold); power draw 18–22 W typical, 28–32 W peak.

In conclusion, the project demonstrates that advanced educational robotics integrating continuous speech interaction, autonomous behaviour, and adaptive AI is achievable on affordable edge computing without cloud infrastructure. The dual-purpose model effectively serves young learners as an AI tutor and older students as a hands-on STEM platform. Key innovations include continuous VAD eliminating timeout frustrations, effective PID tuning for stable face tracking, and emotion-display synchronization creating natural interaction perception. Formal user studies with children are planned as part of the short-term future scope.

* ~ * ~ *

Technical Lecture for the 49th Series Student Project Programme (SPP)

Date: 18th July 2026

Time: 12:00 Noon

Venue : Seminar Hall, BGSIT, Mandya

ORGANIC ELECTRONICS: MOLECULES TO DEVICES

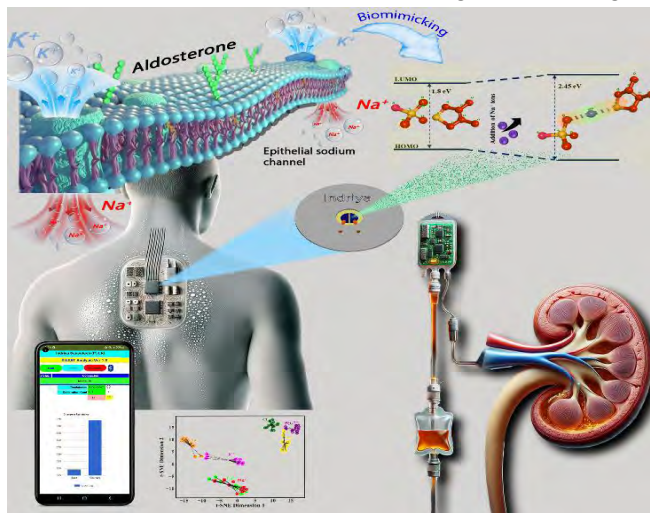


Prof. Praveen C. Ramamurthy
Professor, Department of Materials Engineering
Chair, Interdisciplinary Centre for Water Research,
Indian Institute of Science, Bengaluru – 560 012

Abstract:

The escalating environmental concerns over the past decade have driven the development of portable devices capable of continuous, on-site detection of contaminants. These devices, built upon advanced sensor technology, offer rapid response times, high sensitivity, and user-friendly operation. Central to our approach is the molecular design expertise that enhances sensor selectivity towards specific analytes. By meticulously tailoring molecules, we optimise charge distribution, size, geometric shape, and strategically place functional groups to interact precisely with target analytes. This design methodology has enabled us to create effective molecular architectures for sensing a wide range of analytes, including volatile organic compounds, nitrates, urea, tetracycline, metal ions (such as lead, mercury, iron, magnesium, and chromium), as well as bio-relevant substances like *E. coli*, dopamine, sodium, and potassium.

Recent advancements in electrode modifiers have further improved the detection capabilities of these sensors, making them increasingly effective for real-world applications. These low-powered devices require minimal sample pre-treatment, and their potential for miniaturisation enhances their suitability for integration into portable and point-of-care systems. Additionally, incorporating IoT technology into these sensors enables real-time monitoring and data logging, allowing the creation of comprehensive databases by both geographic location and time. Despite significant progress, there remains a critical need for solid-state sensors that deliver instantaneous results and are IoT-enabled for database creation. This report addresses this gap by exploring the design, development, and field testing of such sensors, with the ultimate goal of advancing environmental monitoring and protection.



Technical Lectures Organised during Seminar and Exhibition in the previous series of Student Project Programme

SPP Series	Topic	Speaker	Venue
49 th	Organic Electronics: Molecules to Devices	Prof. PRAVEEN C. RAMAMURTHY Department of Materials Engineering, and Chair, Interdisciplinary Centre for Water Research, Indian Institute of Science, Bengaluru	Adichunchanagiri University, BGS Institute of Technology, B. G. Nagara, Mandya
48 th	Challenges In E-Mobility Ecosystem	Prof. L. UMANAND Department of Electronic Systems Engineering, Indian Institute of Science, Bengaluru	Jawaharlal Nehru New College of Engineering (JNNCE), Shivamogga
47 th	Perception of Engineering Students and Faculty Members for their Careers	Dr. VENKATESHWARLU KARODI Chief Scientist National Aerospace Laboratories (NAL) Bengaluru	Sharnbasva University, Kalaburagi
	"I-STEM Portal - A Collaborative Force for Global Recognition"	Dr. HARILAL BHASKAR Chief Operating Officer and National Co-Ordinator, Indian Science Technology and Engineering Facilities Map (I-STEM)	
46 th	Additive manufacturing: A metallurgist's perspective	Prof. SATYAM SUWAS <i>Professor & Chairman, Department of Materials Engineering, Indian Institute of Science, Bengaluru</i>	Alva's Institute of Engineering and Technology, Moodubidire
45 th	IoT, 5G and Robotics Automation – Shaping The Next Decade	Prof. BHARADWAJ AMRUTUR <i>Chairman, Robert Bosch Center for Cyber Physical Systems, Indian Institute of Science</i>	Visvesvaraya Technological University (VTU), Belagavi
42 nd	Bio-Mechanical Engineering	Prof. G.K. ANANTH SURESH <i>Department of Mechanical Engineering, Indian Institute of Science, Bengaluru.</i>	KLE Dr. M. S. Sheshgiri College of Engineering and Technology, Belagavi
41 st	The Future of World Electronics and Possible Role India Can Play	Dr. MAYANK SHRIVASTAVA <i>Assistant Professor, Department of Electronic Systems Engineering, Indian Institute of Science, Bengaluru</i>	Bapuji Institute of Engineering and Technology, Davangere
40 th	Inclusive Innovations in Health Care	Dr. SHYAM VASUDEVA RAO <i>President and CTO, Forus Health Pvt. Ltd, Bengaluru</i>	N.M.A.M. Institute of Technology, Nitte, Karkala, Udupi District
39 th	Innovating In Industry	Shri. SUNDARAJAN SRINIVASAN <i>Senior Director, Next Generation & Standards Communication and Devices Group, Intel Mobile Communications India, Bengaluru</i>	BLDEA's V.P. Dr. P.G. Halakatti College of Engineering and Technology, Vijayapura
38 th	Control Strategies for Renewable (Solar) Energy Integration	Dr. A. NARENDRANATH UDUPA <i>Principal Scientist, Phillips Research, Bengaluru</i>	Sahyadri College of Engineering and Management, Mangaluru
37 th	Entrepreneurship, R&D in Biotechnology and related areas	Mr. VINAY KONAJE <i>CEO, Navya Biologicals Pvt. Ltd., BVBCET campus, Hubli</i>	B.V. Bhoomaraddi College of Engineering and Technology, Hubballi
	Magic English Learning for Technical Education Programme	Shri. VISHWANATH <i>CEO, Karadi Path Education Company Pvt. Ltd., Chennai</i>	
36 th	ICT Enabled Teaching-Learning Strategies in Science and Engineering	Dr. MANGALA SUNDAR KRISHNAN <i>Department of Chemistry, Indian Institute of Technology, Madras</i>	Angadi Institute of Technology and Management, Belagavi
	Indian Aerospace Scenario	Padmashri, Dr. T S PRAHLAD <i>Scientist and Former Director, National Aeronautical Laboratories, Bengaluru</i>	

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Indian Institute of Science Campus, Bengaluru - 560012

LIST OF PROJECTS SANCTIONED UNDER
49th SERIES OF STUDENT PROJECTS PROGRAMME: 2025 – 2026

1. A.C.S. COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1.	49S_BE_4535	AI DRIVEN EXERCISE PRESCRIPTION FOR CHRONIC LOW BACK PAIN USING WEARABLE SENSORS	B.E.	BIOMEDICAL ENGINEERING	Dr. HARIHARASUDHAN V. G. Dr. P. BHUVANESHWARI	Ms. NEHA VINOD P Ms. ANUSHA M Ms. SAPNA G R Ms. UMRANA LAEEQH

2. A.G.M. RURAL COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBBALLI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
2.	49S_BE_1728	CROP DETECTION AND CRYSTAL FERTILIZER MANAGEMENT SYSTEM & PESTICIDES SPRAYER	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. RAMESH K. ASHTEKAR	Mr. HARISH HADAPAD Ms. YASHASWINI S GONIGER Ms. VEENA S H Mr. PRAVEEN B MADI
3.	49S_BE_4012	IOT BASED WOMEN SAFETY NIGHT PATROLLING ROBOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. ASHWINI PUTTANAVAR	Ms. SAMIKSHA CHOUGULE Ms. SHREYA V VIBHUTI Ms. SHWETA A SINDHE Ms. SOUJANYA U KALIWAL
4.	49S_BE_6896	KRISHI SAHAYAKA: AI - POWERED RICE PLANT DISEASE DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHANTABHUSHANA B M	Ms. POOJA B BHARAMAGOUDR Ms. RUBAIN S JAHAGIRDAR Ms. SHWETA D BOBBI Ms. SNEHA S HARURKAR

3. A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, MANGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
5.	49S_BE_1052	AUTOMATED LAMINAR FLOW FOR MEDICAL APPLICATIONS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. SRIDEVI D RAI	Ms. ADELA REGO Ms. THANISHA Mr. MANOJ
6.	49S_BE_1743	HYBRID MEDICAL ROBOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. SAHANA K ADYANTHAYA	Mr. DRASHAN BHOVI Mr. RAJU M PATIL Mr. SHREEJITH S
7.	49S_BE_2606	SENSOR-DRIVEN SAFETY IN AIRPORT	B.E.	CIVIL ENGINEERING	Mrs. BABITHA.B	Mr. SHIVANANDA GOPANNA LAMANI Ms. SIVAPRIYA.E N Ms. ANUSHA JYOTHISH
8.	49S_BE_5447	MEDML-PD: AUTOMATED MACHINE LEARNING PLATFORM FOR EARLY PARKINSON'S DISEASE PREDICTION USING HAND-DRAWN SPIRALS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. ARUN ANOOP M Mr. N. ARUL	Mr. ANSTON ANAND Mr. AFTHAB ABDULLA M A Mr. DEVANAND P Mr. MUHAMMED ISHRAQ
9.	49S_BE_4198	MULTI MODAL DEEP LEARNING FRAMEWORK FOR ENDOMETRIAL CANCER CLASSIFICATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. SNITHA SHETTY Mrs. SHARON C DSOUZA	Ms. DHANYA V SHETTY Ms. HARSHITHA Ms. R RAKSHA Ms. STHUTHI DOLPADY
10.	49S_BE_1078	SIGNFLIX: A VIDEO STREAMING PLATFORM WITH SIGN LANGUAGE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. NAYANA YADAV M Mrs. SHILPA SHETTY	Mr. JNANESH Mr. MILAN C I Mr. GAURESH G PAI Mr. HIMANSHU HEGDE
11.	49S_BE_1582	DENTRAZE: DIGITAL DENTAL IMAGING AND CEPHALOMETRIC LANDMARK PLATFORM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. ARPITHA KUMARI G	Mr. HARTHIK S POONJA Mr. GAURAV T SANIL Mr. AYUSH Mr. AAYUSH SHETTY
12.	49S_BE_1524	THE TRIFECTA OF SECURITY: BLOCKCHAIN-INTEGRATED CRYPTOGRAPHIC STEGANOGRAPHY FOR DATA PROTECTION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. ARCHANA PRIYADARSHINI	Ms. PANCHAMI Ms. CHANDANA SHETTY Ms. DEESHA Ms. POORVIKA SHETTY

4. A.M.C. ENGINEERING COLLEGE, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
13.	49S_BE_2648	ORAL CANCER DETECTION USING RASPBERRY PI AND CNN FOR EARLY DIAGNOSIS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. PRATHIBHA KIRAN Dr. JAGADEESHA S	Mr. M NAVEEN CHANDRA Mr. B RAJU Mr. CHARAN TEJA P A Mr. B ABDUL GANI
14.	49S_BE_5511	SELF-HEALING ANTENNA FOR IMPLANTABLE SENSORS MONITORING CANCER TREATMENT ANALYSIS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. JAGADEESHA S Dr. PRATHIBHA KIRAN	Mr. NIKHIL KUMAR GUPTA Ms. NEETA R MUNNOLLI Ms. MANASA K J
15.	49S_BE_6090	DESIGN AND PERFORMANCE COMPARISON OF CONVENTIONAL AND AVIAN-BASED CONCEPTS IN SMALL-SCALE FULLY ELECTRIC AIRCRAFT	B.E.	AERONAUTICAL ENGINEERING	Prof. SIRISHA AKELLA	Ms. YASHASVI G HEBBAR Mr. ADAPA SURESH Mr. HIMNISH V KUNTALA Ms. SHRILAKSHMI RAJEEV
16.	49S_BE_5148	AGRI-AID: AI-POWERED AGRICULTURAL ASSISTANT FOR INCLUSIVE PLANT DISEASE DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. ANJALI GAJJAR	Mr. TULSI KUMAR YADAV Ms. VANTERU MOUNIKA Ms. SHRADDHA S METHRI Mr. SHIVAM KUMAR
17.	49S_BE_3509	VOXMATE: AN INTELLIGENT VOICE & VISION BASED SMART ASSISTANT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. PRASHANT KUMAR MISHRA	Mr. PURUSHOTHAMAN P Ms. SUPRIYA M Mr. ABISHIKTH EBENIZER Mr. SIDDAROODH
18.	49S_BE_4803	FOSYS: AN AI BASED WORKFLOW AUTOMATION SYSTEM FOR SCRUM AND SOFTWARE DEVELOPMENT TEAMS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. C SUBHASHRI	Ms. NAVEEN SINGH DIVYA SINGH Ms. CHANDANA RAO K Mr. NAGESH Ms. TRISHA G
19.	49S_BE_5808	MONO-WHEEL EV	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. SUBHASHRI C	Mr. V PRUTHVIRAJ GOWDA Mr. KADARLA SHANMUKHA SIVA RAJA CHARI Mr. PRATHEEK B K Mr. PRATHEEK S Y
20.	49S_BE_5926	AI BASED TRAVEL RECOMMENDATION SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. ANUJNA M	Mr. NAGRAJ Mr. PRAJWAL MAYUR Ms. SOUMYA Mr. A L KARTHIK
21.	49S_BE_4806	SMARTPHONE-BASED AI DECISION SUPPORT FOR DOORSTEP ARTIFICIAL INSEMINATION AND PREVENTIVE HEALTHCARE IN MULTI-SPECIES LIVESTOCK	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. VISHAL. K	Ms. SHAKTHISHREE T R Ms. VENIKA Ms. SANDHYA U SOLANKI Mr. SHASHANK P
22.	49S_BE_4073	PHYSIOGURU: A VIRTUAL REHAB ASSISTANT USING POSE DETECTION WITH CNN-LSTM	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. YASHASWINI C D	Mr. CHANDAN N G Mr. ARRYAN SHASHI KUMAR Mr. DARSHAN B M Mr. HEMANTH B
23.	49S_BE_4833	SMART DIAGNOSTIC TOOL FOR MULTIPLE MYELOMA AND LEUKEMIA DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. MALA M Mrs. VELVIZHI RAMYA R	Mr. YASHPAL SINGH Ms. SHYAMALIMA SAHA Ms. VEDHASRI K P

5. A.P.S. COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
24.	49S_BE_3769	SMART LANDMINE DETECTION ROBOT USING SENSOR TECHNOLOGY AND WIRELESS COMMUNICATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. PURVA KAMAT MHAMAI	Mr. R NANDA KISHORE Mr. RAJESH V Ms. NIDHI H D Ms. SINCHANA K
25.	49S_BE_4901	AI-INTEGRATED IOT-BASED STRUCTURAL HEALTH MONITORING OF RAILWAY BRIDGES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SHEETAL PATTED Dr. NAIK D C	Ms. CHANDANA J Ms. SANJANA Mr. SRINIVASANAIK C B Ms. AMRUTHA
26.	49S_BE_5048	WIRELESS POWER TRANSFER ON ROAD FOR ELECTRIC VEHICLES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. PURVA KAMAT MHAMAI	Ms. KEERTHANA K R Mr. AMARESH H M Ms. SANJANA R

6. A.T.M.E. COLLEGE OF ENGINEERING, MYSURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
27.	49S_BE_4483	AGRICULTURAL ROBOT FOR PLANT DISEASE DETECTION, FERTILIZER SPRAYING, AND WEED CUTTING	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. PRATHIBHA M K Ms. ANUPAMA SHETTER	Ms. P D DRUTHI Ms. RAKSHITHA R Ms. RAMYA M S Ms. UMME KULSOOM RIYAZ

28.	49S_BE_2529	360 DEGREE SMART SYSTEM FOR SANDALWOOD TREES PROTECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. ASHWINI P	Mr. SHIVAKUMAR V Ms. POORVIKA B C Mr. PUNEETH K M Ms. TEJASHWINI K S
-----	-------------	---	------	----------------------------------	----------------	---

7. ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
29.	49S_BE_6168	HARNESSING FICUS RELIGIOSA BIOACTIVE COMPOUNDS FOR MANAGING BACTERIAL SOFT ROT IN VEGETABLES	B.E.	BIOTECHNOLOGY	Dr. YUVARAJ RAVIKUMAR	Ms. PAYAL RAJKUMAR Mr. SHREEKANTH K Mr. SIDDHARTH P Ms. NIDHI SANJAY NIDODE
30.	49S_MBA_0006	ELECTRIC VEHICLE (EV)-BASED DELIVERY MODELS FOR SUSTAINABLE QUICK COMMERCE IN BANGALORE	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. MONICA M	Mr. CHARAN RAJ R Ms. SAMMITHA M P
31.	49S_BE_0256	DIGITAL ARM SMART REHABILITATOR FOR EARLY-STAGE PARALYSIS PATIENT WITH BILATERAL MIRROR THERAPY	B.E.	MECHATRONICS ENGINEERING	Prof. YASHODHA H N Dr. MANJUNATHA K N	Mr. SUHAS H M Ms. VAISHNAVI G Mr. VISHWA DATTA C Mr. MANOLLAS N

8. ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
32.	49S_BE_3653	IOT BASED HYBRID RENEWABLE POWER GENERATION SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. A.P.JAGADEESH CHANDRA Dr. RAJAPPA H S	Ms. BHAVANA S B Ms. ANUSHA D A Ms. DHANUJA L N Ms. LIKHITHA T
33.	49S_BE_6860	IBALLOT - DECENTRALISED VOTING SYSTEM USING BLOCKCHAIN	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. SHALINI I S Prof. SHILPA K V	Mr. RAO SIDDHARTH SHANKAR Ms. CHANDANA M Mr. DARSHITH C Ms. MADHURA N M
34.	49S_BE_6570	READIFY: AICOMPREHEND FOR READING ACTIVITY	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. PALLAVI C S Prof. SHILPA K V	Ms. KRUSHITHA P R Ms. SHIVANI V Ms. ABHIGNA N SHETTY
35.	49S_BE_2665	QUANTUM INTELDRUG - QUANTUM COMPUTING AND MACHINE LEARNING FOR ENHANCED CANCER DRUG DISCOVERY	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. SHALINI I S Dr. ADARSH M J	Ms. M M BHAVYA Ms. MEGHANA N S Ms. RISHITHA N
36.	49S_BE_2504	UPI ID FRAUD DETECTION USING MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. ANSER PASHA C A	Ms. PRAGATHI H R Ms. SAI SHIVANGI T Ms. RAKSHITHA M R Ms. MONIKA V M
37.	49S_BE_1117	EMBRYO ANALYSIS TO IMPROVE SUCCESS RATE OF IVF USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. MADHU B G Mr. CHANDRA NAIK G	Ms. CHAITHRA B V Ms. CHANDANA L R Ms. KEERTHANA J Ms. KSHAMA K M
38.	49S_BE_1057	DEEP LEARNING-BASED HEART ATTACK RISK PREDICTION AND CLASSIFICATION FROM RETINAL FUNDUS IMAGES	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. ABHISHEK N Dr. S SAMPATH	Mr. PRAJWAL S Mr. HEMANTH M Mr. C K KIRAN Mr. UMEZ KHAN
39.	49S_BE_0417	ASTRONOMICAL IMAGE ANALYSIS AND CLASSIFICATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. SUMAN MH Mr. RAKESH S RAJ	Ms. USHA BN Mr. AKASH MK Ms. SAKSHA SG Mr. SATHYA RAJ D
40.	49S_MTECH_0023	DEVELOPMENT OF AN IOT-INTEGRATED SOLAR POWERED FISH FEEDING MECHANISM FOR SUSTAINABLE AQUACULTURE IN AN AGRICULTURE FARMS	M.Tech	DIGITAL ELECTRONICS AND COMMUNICATION SYSTEMS	Dr. ANIL KUMAR C Dr. SUMA M	Ms. DHANALAKSHMI T M

9. ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
41.	49S_MBA_0014	PREDICTIVE ANALYTICS-BASED CUSTOMER RETENTION MODEL FOR SUSTAINABLE BRAND LOYALTY	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. MADHUSUDHAN	Mr. SAIRAM
42.	49S_MBA_0011	DESIGN AND EVALUATION OF FINTEC-ENABLED SERVICE MODELS FOR FINANCIAL PERFORMANCE ENHANCEMENT IN CHIT FUND ORGANIZATION A CASE STUDY OF KODCHADRI PVT LTD	M.B.A	FINANCE AND MARKETING	Prof. SOWMYA.K Prof. AMRUTA R	Ms. SANDHYA N

43.	49S_MCA_0080	INTELLIGENT PREDICTION OF ROAD ACCIDENT SEVERITY AND ENVIRONMENTAL ANALYTICS	M.C.A.	COMPUTER APPLICATION	Prof. SOWMAYA K	Mr. ABHISHEK YADAV
-----	--------------	--	--------	----------------------	-----------------	--------------------

10. ADMINISTRATIVE MANAGEMENT COLLEGE, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
44.	49S_MSC_0210	LOW-COST DETECTION KIT DEVELOPMENT FOR RAPID MICROPLASTICS SCREENING IN COMMUNITY DRINKING WATER	M.Sc	BIOTECHNOLOGY	Dr. MAYA M.R Dr. P. SUDHA RANI	Ms. DHANUSHREE H.S Ms. BEULA K Ms. UMEI KULISEM M

11. AKSHAYA INSTITUTE OF TECHNOLOGY, TUMAKURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
45.	49S_BE_6693	IOT BASED CROP MONITORING SYSTEM IN HYDROPONICS	B.E.	AGRICULTURE ENGINEERING	Dr. CHEATHAN B J	Mr. HARIDHAR T S Mr. AMITH SINGH LADDIN Mr. PRUTHVIRAJ N Ms. MILANA K
46.	49S_BE_3361	BLOOD BANK MONITORING AND BLOOD GROUPS IDENTIFICATION USING ARTIFICIAL INTELLIGENCE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. ARSHIYA RUHEEN Dr. SOMASHEKHAR GC	Mr. VAMSHI P R Mr. SANDEEP Ms. NAVYASHREE G Ms. KRUTHIKA S
47.	49S_BE_3372	EDGE-AI ASSISTED DIGITAL HEMATOSCOPE FOR RAPID MALARIA & ANEMIA SCREENING AT RURAL PHCS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. PRADEEP KUMAR V H Dr. SOMASHEKHAR G C	Mr. VINOD Mr. KASTURI SHANTESH HALASAGI Ms. MEGHANA L D Mr. PRAJWAL A R

12. ALLIANCE UNIVERSITY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
48.	49S_MTECH_0013	AI-ENABLED PREDICTIVE PUBLIC TRANSPORTATION OPTIMIZATION SYSTEM FOR URBAN MOBILITY IN BENGALURU	M.Tech	COMPUTER SCIENCE AND ENGINEERING - AI AND DATA SCIENCE	Dr. JAYABHADURI R	Mr. YUSRA
49.	49S_MSC_0133	SMART KITCHEN OBJECT DETECTION USING YOLO MODELS FOR ELDERLY ASSISTIVE ROBOTIC APPLICATIONS	M.Sc	DATA SCIENCE	Dr. JEBA SHINEY O Dr. N. VIJAYALAKSHMI	Ms. MUSKAAN SINGH Ms. PADMAJA UDAY KOTI Ms. SAKSHI S GAIKWAD Mr. SHRENIK
50.	49S_BE_3873	WEB LOG ANALYTICS FOR SMART PUBLIC TRANSPORT PORTALS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. K.SASI KALA RANI Dr. SRIDHAR D	Ms. ANKENAPALLE NANDINI Mr. MODUGURI KARTHIK Ms. M SINDHU Ms. P VENKATA VEDHA
51.	49S_BE_3843	VLSI CO-PROCESSOR FOR AI BASED SPECTRUM SENSING	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. CHITRA KIRAN.N	Mr. SAISHESHA K DIVATE Mr. MUTTU MANAHALLI Ms. SPANDANA.M Ms. BANDHAVYA O.M
52.	49S_BE_4068	POST QUANTUM CRYPTOGRAPHY FOR HARDWARE EFFICIENT RISC-V ACCELERATORS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SRIKANTH ITAPU	Ms. G RASHMITHA Ms. K PRANEETHA Mr. G VAMSI RAM Mr. V AMARNATH

13. ALVA'S COLLEGE, MOODUBIDIRE

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
53.	49S_MSC_0072	SYNTHESIS AND PHOTOPHYSICAL EVALUATION OF HETEROCYCLIC FLOUROPHORES FOR USE IN SMART CARGO MARKING INKS	M.Sc	CHEMISTRY	Dr. S. SAMSHUDDIN Mr. ARUN KUMAR D	Ms. THRUPTHI C SHETTY Ms. THRISHA Ms. MISHEL JOYLIN TAURO Ms. SUDHIKSHA

14. ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOODBIDRI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
54.	49S_BE_5647	DESIGN AND DEVELOPMENT OF AN IOT- ENABLED SMART FEED PELLETIZING MACHINE FOR AQUACULTURE	B.E.	AGRICULTURE ENGINEERING	Dr. K. V. SURESH Mr. RAKESH PATIL R.	Mr. DEEPAK J. Ms. PRAPTHI N. S. Ms. THRUPTHI S. RAI. Mr. VISHWANAT D. C.

55.	49S_BE_6908	PREDICTING PHQ-8 SCORES: A MACHINE LEARNING APPROACH TO QUANTIFYING DEPRESSION LEVELS	B.E.	COMPUTER SCIENCE AND DESIGN	Mr. GNANESHWARA M.P	Mr. PREMKUMAR INGALE Mr. PARESH PRAKASH TALEKAR Mr. HANAMANT RANGAPPA PUJARI Mr. MOHAMMAD IRFAN
56.	49S_BE_3841	FACE RECOGNITION AUTOMATIC ATTENDANCE MANAGEMENT SYSTEM	B.E.	COMPUTER SCIENCE AND DESIGN	Dr. SHIVAPRASAD B J	Ms. GOUSIYA G Ms. ASHWINI Mr. DARSHAN S GOWDA Mr. JAGADISH GOWDA B J
57.	49S_BE_6729	THE STATE OF DEEPFAKE VIDEO DETECTION AND ITS RELEVANCE TO LIVE STREAMING PLATFORM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. MOUNESH ARAKACHARI	Ms. UTKARSHA SADALAGE Mr. OMKAR RAJIV NAIK Ms. POOJA SHRIKANT SONNAD Ms. PRAJWALA CHANDAKE
58.	49S_BE_3643	PADDY CROP HEALTH MONITORING SYSTEM USING RGB IMAGING TECHNIQUE, TEMPERATURE AND HUMIDITY SENSORS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. ADILA K.P. Dr. NAPOLEAN	Ms. SHETTY DIYA NITHYANANDA Ms. SHRAVANI Mr. RAMU SHIVAPPA HIRUR Mr. RAGHAVENDRA M.O.
59.	49S_BE_4460	DESIGN AND IMPLEMENTATION OF A CONVENTIONAL AUTOMOTIVE FUEL ADULTERATION DETECTION SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. ROSHAN SHETTY Dr. NAPOLEAN	Ms. SHETTY TRISHA VASANTHA Mr. SHRAVAN Mr. PRATHIK M SALIAN Ms. SANJANA SHIVAGOUDA PATIL

15. AMRITA VISHWA VIDYAPEETHAM BENGALURU CAMPUS, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
60.	49S_BE_1070	SOLAR-POWERED WATER PURIFIER WITH SENSOR AUTOMATION AND ML-BASED QUALITY ANALYSIS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. PRIYA B.K	Ms. AARCHI PRIYADARSHANI Ms. NIDHEENA KALLAKURI Ms. NIRANJANA HARI
61.	49S_BE_1158	POTHOLOGY: INTELLIGENT POTHOLE DETECTION AND SEVERITY ESTIMATION SYTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. PRIYA B.K	Ms. THEERTHA RAJ Ms. SHWETHA R Ms. SNEHA PRADHANO

16. AMRUTA INSTITUTE OF ENGINEERING AND MANAGEMENT SCIENCES, BIDADI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
62.	49S_BE_2471	IOT INTEGRATED SMART ENERGY HARVESTING AND AUTOMATED IRRIGATION SYSTEM FOR SUSTAINABLE AGRICULTURE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. MAHANTESH MATHAPATI Prof. ANIL KUMAR	Ms. RAMYA SHREE S M Ms. SWATHI K S Ms. MOKASHI KAJAL Ms. NIMRA ALI
63.	49S_BE_1373	AI-POWERED PEST DETECTION AND INTELLIGENT IRRIGATION SYSTEM FOR PRECISION AGRICULTURE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. MAHANTESH MATHAPATI Prof. MANJUNATH T N	Mr. BHEEMAREDDY Mr. ANIL B KANASAGERI Mr. ANKIT Mr. DEEKSHITH D
64.	49S_BE_1324	PRIVACY-PRESERVING RANKED MULTI-KEYWORD SEARCH FOR MULTIPLE DATA OWNERS IN CLOUD COMPUTING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SHRUTHI N Prof. SRINIVASA R	Mr. TEJAS S R Mr. ADARSH B M Mr. RAHUL V Mr. DHARIBASAVA
65.	49S_BE_1873	REAL TIME ATTENDANCE AND ENGAGEMENT DETECTION SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. MEGHA D Prof. KAVYA B K	Ms. CHANDANA SP Ms. DEEPIKA Ms. LIKHITHA H S Ms. SURAKSHA H P

17. ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELAGAAVI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
66.	49S_BE_1803	INTELLIGENT SYSTEM FOR THYROID DISEASE PREDICTION USING MACHINE LEARNING ALGORITHMS	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. SAGAR BIRJE Dr. VEENA DESHMUKH	Ms. LAXMI GADAVI Ms. SAHANA Ms. MEGHA M BANDI Ms. MANALI KUDACHE

67.	49S_BE_3659	DEEPSHIELD AI: DEEPFAKE DETECTION USING AUDIO-VISUAL INCONSISTENCIES	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. A. A. QAZI Prof. SAGAR BIRJE	Mr. AKASH B JARALI Mr. ABHISHEK DYAVANAGOUDRA Mr. GAJANAND MORE Mr. PRASAD MANOLKAR
68.	49S_BE_6957	SGD: SMART GAS LEAKAGE DETECTION SYSTEM FOR HOME SECURITY	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VIDYADHAR HANJI	Ms. RASHMITA V KHATAVE Ms. SAKSHATA S GUNDAKALLE Ms. SHIVALEELA N URABIN Mr. SAMMED N KADAPURE
69.	49S_BE_6609	EFFICIENT PASSWORD-BASED THRESHOLD SINGLE-SIGN-ON AUTHENTICATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VILAS JARALI	Mr. ATHARV KOLEKAR Mr. NIRANJAN INGALE Ms. PRIYANKA SUVARNA
70.	49S_BE_4298	BRAIN DECODING SYSTEM USING FMRI DATA AND DEEP LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. AVANTI PATIL	Mr. ANIRUDDH NEJE Mr. ANISH A DESAI Ms. BHAVANA S KAMATAGI Ms. JAYASHREE N KALLOLI
71.	49S_BE_3753	REAL-TIME VIOLENCE DETECTION WITH ALERT SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VIDYADHAR HANJI Dr. DHANASHREE KULKARNI	Mr. KARAN CHANDRAKANT PATIL Mr. AMIT RANGARAVA INGALE Mr. KELVIN PAULU FURTADO Mr. MOHAMMED SAMEER.R. MULLA
72.	49S_BE_3233	IOT BASED SMART CONTROL SYSTEM FOR MONITORING AGRICULTURE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. PADIYAPPA K.	Ms. SRUSHTI P S Ms. TEJASHWINI B Mr. PRAJWAL PATIL Ms. SHREYA SHETAR
73.	49S_BE_2974	AIOT-BASED WATER MANAGEMENT SOLUTIONS FOR SUSTAINABLE SUGARCANE FARMING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. MANJUNATH PATIL	Mr. SOMASHEKHAR GANGAPPA GUDDAPUR Mr. VISHWANATH SHIVABASU HAVERI Ms. DIVYA RAGHAVENDRA KONNUR Ms. CHAITRA MALLAPPA GANGAI
74.	49S_BE_6200	DYNAMIC HAND GESTURE RECOGNITION USING DEEP LEARNING AND MOUSE CURSOR CONTROL	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. AVANTI PATIL	Ms. SANJANA SANGANAL Ms. SAMRUDDHI SHINDE Mr. PRAJWAL MORE Ms. PRIYANKA DURVE
75.	49S_BE_2297	THE FUTURE OF VOTING AUTHENTICATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. PROF. SANDHYA BEVOOR	Mr. SHASHANK YALAGI Ms. SUSHMITA JUGAL Ms. SANJANA HARAVI Ms. MANASI SONWALKAR
76.	49S_BE_3063	INTELLIGENT PARKING SPACE MANAGEMENT SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SONALI SUTAR	Ms. JYOTI SAVALAGI Ms. CHANNAMMA SAKRI Ms. SUSHMITA KATARAKI
77.	49S_BE_3090	MAZE SOLVING ROBOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. DR. SRIRAM KULKARNI	Ms. ADITI ASHOK BADDI Ms. TEJASWINI KESARKAR Ms. SNEHA TALWAR Ms. KAVERI JOGANNAVAR
78.	49S_BE_3254	VEHICULAR AD-HOC NETWORKS (VANETS)	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. G.R.UDUPI	Mr. TIMMANNA KULAGOD Mr. LAXMAN PATIL Mr. VINOD ARAVALLI Mr. MALLIKARJUN
79.	49S_BE_5774	AI BASED CROP DISEASES DETECTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. PALLAVI KULKARNI	Ms. TANU GUNAKI Mr. PRASANNA PARAGOND Mr. VINUT S GANIGER Ms. AKSHATA PARAMGOND

18. ATRIA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
80.	49S_MBA_0165	IMPLEMENTING SUSTAINABLE BATTERY CIRCULARITY FOR BENGALURU'S ELECTRIC VEHICLE FLEETS: AN ESG APPROACH	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Prof. R. YASHASWINI Dr. RICHA DAS	Mr. SHRAVAN Ms. PREETHI R K Ms. SUPRITHA Ms. NIVEDITHA B N

81.	49S_BE_6920	CLOUD TUNNEL VPN	B.E.	COMPUTER SCIENCE AND DESIGN	Prof. GOUTAM R	Mr. SYED RIYYAN CHAND Mr. UZAIR AHMED Mr. T MOHAMMED ISMAIL
82.	49S_BE_5890	A BLOCKCHAIN FRAMEWORK FOR SECURE ACADEMIC CERTIFICATE VERIFICATION	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Mr. SHAIK SAYEED AHAMED Dr. DEEPAK N R	Ms. PAVITRA NARAYAN BHAT Ms. AISHWARYA S Ms. CHANDANA H D
83.	49S_MCA_0104	BENGALURU TRANSIT - AN INTEGRATED TRANSPORT SYSTEM	M.C.A.	COMPUTER APPLICATIONS	Prof. LAKSHMI G Prof. APOORVA M	Ms. SHRAVANI P R Ms. SHRAYA N L Ms. SNEHA G Mr. SANDEEP D S
84.	49S_MCA_0100	SMART CAMPUS RECRUITMENT PORTAL USING GENERATIVE AI FOR OPTIMIZED STUDENT PLACEMENT	M.C.A.	COMPUTER APPLICATIONS	Dr. MARIYAN RICHARD A Prof. JASMINE J C SHIJI	Mr. CHANDAN A N Mr. KIRAN KUMAR K R
85.	49S_BE_2493	SURVEILLANCE ANOMALY DETECTION AND NOTIFICATION SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SHAMMI L Dr. DEVI KANNAN	Ms. ANU S Y Ms. AMAL SURYA M Ms. KEERTHANAPRIYA S Ms. MOUNIKA D S
86.	49S_BE_2347	RECOGNITION USE: FORENSIC FACE SKETCH CONSTRUCTION AND RECOGNITION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. HAJEERA NIKHAT KHANAM Dr. DEVI KANNAN	Mr. AKANKSHA Mr. ABHISHEK GOWDA P S Mr. JEEVAN M Ms. SANJANA M RAO
87.	49S_BE_2278	LIVE SPEECH EMOTION DETECTION	B.E.	COMPUTER SCIENCE AND DESIGN	Prof. SRINIVASACHAR G Prof. VIJAY SWAROOP	Mr. RISHI G Ms. YASHASWINI S Ms. ABHILASHA G Ms. VARSHA K
88.	49S_BE_2263	REAL-TIME EXPLAINABLE PHISHING URL DETECTION THROUGH LIVE WEB FEATURE ANALYSIS AND BROWSER-LEVEL INTEGRATION	B.E.	COMPUTER SCIENCE AND DESIGN	Prof. YASHASWINI V N Prof. VIJAY SWAROOP A	Mr. SUJAL K Mr. TEJAS J Mr. RAHUL S
89.	49S_BE_1016	ADVANCED AI FRAMEWORK FOR PROACTIVE INDUSTRIAL HAZARD MITIGATION AND SAFETY COMPLIANCE	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Dr. K S ANANDA KUMAR Ms. CHAITRA R	Mr. SWARNIM DESHPANDE Mr. ISSA ILYAS Mr. ZAIDAN SHIRAZ
90.	49S_BE_3138	QUANTUM-DRIVEN CARBON FOOTPRINT ANALYSIS FOR SUSTAINABLE FOOD SYSTEMS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. RAVI KUMAR J	Ms. RIDA AFNAR Ms. NAILAH FATHIMA Ms. RUKHAIYA RAHEEM Ms. SAMEEN MEHNAZ FATHIMA
91.	49S_BE_2516	MEDICINAL PLANTS DETECTION USING DEEP LEARNING	B.E.	COMPUTER SCIENCE AND DESIGN	Prof. JYOTHI NARAYANAMURTHY	Mr. KOMAL S Mr. NITHIN N REDDY Mr. ABHISHEK CM Mr. ACHYUTH GOWDA
92.	49S_BE_2094	AI POWERED BASKET BALL GAME ANALYSIS USING COMPUTER VISION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. JYOTI METAN Dr. K S ANANDAKUMAR	Mr. ASHISH KUMAR SHETTY Mr. CHIRAG KANDOI Mr. ABDUL BASITH N
93.	49S_BE_1668	DYSLEXIAID: AN AI-POWERED MULTI-MODAL LEARNING PLATFORM FOR REAL-TIME READING ASSISTANCE IN DYSLEXIC STUDENTS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. K S ANANDA KUMAR Mr. OMPRAKASH B	Ms. SKANDANA KV Ms. SUPREETHA R Ms. SHREYA U
94.	49S_BE_2353	SMART SHOPPING CART	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. SHILPA MN	Mr. JEEVA J Ms. CHARUSHREE S Ms. GEETHANJALI R Ms. HIMA S
95.	49S_BE_2862	MEDXPLOER	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. DR. SATYA SRIKANTH PALLE Prof. PRASAD S R	Ms. MS. SUMAYYAH AKBER RAJ SHAIKH Ms. MS. FAIZA BEGUM Ms. MS. SABAH RAFI.M

19. B.G.S COLLEGE OF ENGINEERING & TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
96.	49S_BE_0574	NEUROAI - EARLY PARKINSON'S DETECTION USING XGBOOST	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. MAMATHA V JADHAV	Ms. TANISHA K S Ms. T AKSHAYA Ms. HAMSA M N Ms. SHEETAL V B
97.	49S_BE_0767	A MULTIMODAL AI FRAMEWORK FOR MEDICAL IMAGE DIAGNOSIS USING GOOGLE GEMINI	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. CHANDINI A G	Mr. DARSHAN N A Mr. ABHISHEK H G Mr. NIKHIL N C Mr. NIRANJAN GOWDA K S

98.	49S_BE_4842	VISION AHEAD: CLEAR VISION AHEAD-TACKLING DIABETIC RETINOPATHY	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. SUSHMA M	Ms. CHETHANA M Ms. MANISHA M Ms. KUSUMA V Mr. GURUKIRAN
99.	49S_BE_3426	LINGO: A MULTI-LANGUAGE TRANSLATING APP	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. RAVIKUMAR G K Dr. MADHURA GANGAIAH	Ms. RHEA FATIMA ESTIBEIRO Ms. SINCHAN DECHAKKA M K Mr. ANSH AJIT SALUNKE Mr. ADITYA SURESH
100.	49S_BE_5121	A SURVEY ON SKETCH2MOTION: A GENERATIVE FRAMEWORK FOR VIDEO SYNTHESIS FROM SKETCHES	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. MANJULA L Dr. JALAJA G	Ms. LEKHANA M S Ms. LIKHITHA M S Ms. MEGHA M A Ms. SANJANA M
101.	49S_BE_5889	DIABETIC RETINOPATHY DETECTION THROUGH BARE EYES	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. MANJULA L Dr. JALAJA G	Ms. LEKHANA BR Mr. VINAY GOWDA R Ms. POORNIMA HU Mr. SUMANTH M
102.	49S_BE_1585	AI VOICE AGENT INTERVIEW PLATFORM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. CHETHAN H V	Mr. SATHWIK R Mr. KARTHIK V B Mr. SOMNATH Mr. HEMANTH GOWDA H N
103.	49S_BE_1492	ENERGY-AWARE ISA CONTROLLER FOR HYBRID AND ELECTRIC VEHICLES USING REAL-TIME GEOLOCATION AND SOC-BASED SPEED OPTIMIZATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SATHISHA G	Mr. ABHISHEK GOWDA S Mr. ABISHEK K V Mr. NIHAAL KRISHNA Mr. VINODH GOWDA T M
104.	49S_BE_3011	AN INTELLIGENT FITNESS ASSISTANT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. CHETHAN H V Mrs. VEDHA C	Mr. HARSHA R Mr. MANOJ B.R Mr. VIKAS KANDUR Mr. SANATH S GOWDA
105.	49S_BE_2518	SUSTAINABLE SMART FARMING WITH IOT MONITORING AND ML-BASED CROP PREDICTION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. CHAITRA NAVEEN Ms. POOJITHA K	Ms. SAI SMITHA Ms. SAI SUSHMITHA Mr. SHANKARGOUD PATIL Ms. SNEHA M
106.	49S_BE_0958	A DEEP LEARNING FRAMEWORK FOR SIGN LANGUAGE RECOGNITION TO ASSIST SPEECH AND HEARING-IMPAIRED INDIVIDUALS	B.E.	COMPUTER SCIENCE AND DESIGN	Mrs. SANJITHA S LAAD	Ms. SHWETHA S NAYAK Ms. AYESHA Ms. HONALU SHEKAR M Ms. NISARGA V
107.	49S_BE_1914	ENHANCING YOGA PRACTICE WITH MULTILINGUAL CHATBOT AND POSE RECOGNITION TECHNOLOGY	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. CHAITRA NAVEEN	Mr. C SUJITH VARMA Mr. JITHIN M Mr. NANDAN SA Mr. JNANA SAGARA M

20. B.G.S SCIENCE ACADEMY AND RESEARCH CENTER, CHIKKABALLAPURA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
108.	49S_MSC_0146	PROTECTIVE ROLE OF PLANT PHYTOCHEMICALS AGAINST SECONDARY TREATED WASTE WATER INDUCED TOXICITY IN DANIO RERIO	M.Sc	ZOOLOGY	Dr. D.S. GAYATHRI Mr. PAVAN.N.S	Ms. RASHMI N Ms. BRUNDA N Ms. FIDA FARHEEN M Ms. SINDU B R
109.	49S_MSC_0334	ASSESSMENT OF TOXICITY IN ZEBRAFISH UNDER ACUTE DELTAMETHRIN STRESS	M.Sc	ZOOLOGY	Dr. N MADHUSUDHAN N Ms. P SNEHA MARY	Mr. RAKSHAN NAIK V Ms. VANDANA GN Ms. SNEHA A
110.	49S_MSC_0292	ETHNOPHARMACOLOGICAL EVALUATION AND COMPARATIVE ANALYSIS OF THE HEPATOPROTECTIVE EFFICACY OF SELECTED MEDICINAL PLANTS USED BY TRADITIONAL HEALERS IN THE CHIKKABALLAPUR REGION, KARNATAKA.	M.Sc	CHEMISTRY	Dr. ASHWATHANAR AYANA R Prof. DEVARAJA CM	Mr. SAGAR D L Ms. CHANDANA S

21. B.G.S. INSTITUTE OF TECHNOLOGY, MANDYA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
111.	49S_BE_2814	APPCOM: AI POWERED PROCTORING - COMPREHENSIVE ONLINE MONITORING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. NAVEEN N	Mr. GAUTAM VINAYAK MAHALE Mr. CHANDU GOWDA M S Mr. MURULI G K

112.	49S_BE_5390	CLOTH DESIGN GENERATOR USING MACHINE LEARNING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Ms. BINDU K N Mrs. AFSHA FIRDOSE	Ms. VYSHALI PL Ms. SPANDANA R Ms. VARSHITHA BC Ms. VEENA GL
113.	49S_BE_5209	GAMIFICATION AND AI IN EDUCATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. AFSHA FIRDOSE	Ms. SHREYA K S Ms. CHAITHRA V Ms. VARSHINI G S
114.	49S_BE_4873	PERSONALIZED DIGITAL TWIN APP FOR LIFESTYLE SIMULATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. YOGA PRAKASH M G	Ms. ROOPA B L Ms. SPOORTHI M S Ms. VARSHITHA K M
115.	49S_BE_2672	ZEROBIN- TOWARDS ZERO FOOD WASTE SOCIETY	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. NISCHITHA A R Mrs. VIDHYA S G	Ms. NISHMITHA KAYARA Ms. MYTHRI S NAYAKA Ms. VAISHNAVI H S
116.	49S_BE_2667	BRAILLE READER AND TEXT TO SPEECH SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. DIVYASHREE M U Mrs. KAVYASHREE N	Mr. SUHAS GOWDA CS Mr. SUDEEP BS Ms. SURYAVANSHI VYSHNAVI
117.	49S_BE_0147	INTELLIGENT PHARMACEUTICAL INVENTORY AND SUPPLY MONITORING SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. SUNAD KUMAR A N	Ms. KARUNASRI R Ms. MADHUSHREE B M Ms. PARVATHI B G
118.	49S_BE_0059	MULTILINGUAL EMPATHY: AI-POWERED MENTAL HEALTH CHATBOT WITH NLP, SPEECH AND EMOTION DETECTION TECHNOLOGIES USING DEEP LEARNING AND MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. AFSHAN ZAREEN	Ms. MANVITHA KARIAPPA Ms. MOKSHITHA H M Mr. VARUN GOWDA A S
119.	49S_BE_0054	DEEP LEARNING-DRIVEN VIDEO TRANSLATOR	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. SARITHA D Mrs. KAVYASHREE N	Mr. YASHWANTH S B Ms. YASHASWINI B M Ms. SUCHITRA B N
120.	49S_BE_0053	FRAUD FORT: HARNESSING MACHINE LEARNING FOR CREDIT CARD FRAUD DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. KISHORE H N	Mr. KEERTHAN AIYAPPA T S Mr. SAGAR GOWDA A R Mr. SHASHANK A E
121.	49S_BE_0099	ENHANCING EMERGENCY RESPONSE IN ROAD ACCIDENT: A SEVERITY PREDICTION FRAMEWORK USING RF-RFE AND DEEP LEARNING MODEL	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. PALLAVI N R	Ms. DHAMINI V K Ms. AISHWARYA P R Mr. GOWDA YASHWANTH RAME
122.	49S_BE_2581	HIGH QUALITY FACTOR BIOSENSOR USING 2D RING RESONATOR OPTICAL FILTER	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. TEJASWINI M R	Mr. SINDAGERI UDAY KUMAR Mr. ABHINANDAN K C Mr. TEJAS U
123.	49S_BE_2746	HYBRID OPTICAL-RADAR SYSTEM FOR RELIABLE UNDERWATER DATA TRANSFER AND NODE TRACKING	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. VIJAY KUMAR GOWDA B N Mr. DEEPAK R	Ms. PRAKRUTHI M U Ms. REVATHI H M Mr. VIKAS K

22. B.L.D.E.A'S V.P. DR. P. G. HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
124.	49S_BE_3298	"SMART YOGA": PERSONALISED YOGA RECOMMENDATION FOR PAIN RELIEF AND WELLNESS.	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. SOMSHEKAR S DHANYAL Prof. SHRINIVAS AMATE	Ms. MEEZAN MULLA Ms. BHUMIKA D PATIL Ms. NEHA R NALA Mr. SHUBHAM KADDU
125.	49S_BE_4860	GENERATIVE AI FOR PERSONALIZED HEALTHCARE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. PRATAPKUMAR SOLAPUR	Ms. AISHWARYA S CHAKOTE Ms. ADITI V KULKARNI Mr. CHANNAVEER B JOLAD Mr. CHINMAY RAVINDRA PANDIT
126.	49S_BE_4684	PRIMARY LIVER CANCER DETECTION USING AI	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. MRS. SUJATA S. DESAI	Mr. MAHANTESH KURADADDI Mr. MAHESH SINGH RAJPUT Mr. PAVAN BIRADAR Mr. PAWANKUMAR HESI
127.	49S_BE_3589	DRISHYA AI: REAL-TIME VOICE-GUIDED FACE RECOGNITION AND IDENTITY VERIFICATION SYSTEM FOR THE VISUALLY IMPAIRED	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. CHIDANAND S. KUSUR	Ms. PRADNYA PRAVEENKUMAR BONDARDE Mr. MANOJ MUTTAGIKAR Ms. NIKITA S NIRVANASHETTI Mr. NIKHIL SUNIL TUPPAD
128.	49S_BE_3218	MULTIMODAL AI INTERVIEW PRACTICE PLATFORM FOR STUDENTS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHWETA.PATIL	Ms. RAKSHITA KULKARNI Ms. KAVYA BELLUBBI Ms. RAJASHRI SINDAGI Ms. RAKSHITA NAIK
129.	49S_BE_2615	LIP AUTHENTICATION SYSTEM: ENHANCING VISUAL SPEECH RECOGNITION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. ROOPA CHAVAN	Mr. AKASH HOSAKERI Mr. ASTHIK PARJANNAVAR Mr. BASAVASWAROOP PATIL

130.	49S_BE_0418	SMART NEUROSCAN:TACKLING LATE DIAGNOSIS OF STROKE AND TUMORS USING DEEP LEARNING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. VISHWANATH CHIKKAREDDI	Mr. MOHAMMEDUMER KHADRI Mr. MOHAMMADSAMEE.S.KHADRI Mr. VISHAL.P.KULKARNI Mr. DANISH.M.ALIYABADI
131.	49S_BE_1984	INTELLIGENT APPLICATION FOR RESPIRATORY DISEASE DETECTION AND LEVEL IDENTIFICATION SYSTEM USING DEEP LEARNING MODEL	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. ANAND JUMNAL Dr. SHWETA PATIL	Ms. SANJANA MALLIKARJUN BARAGI Mr. KUNAL CHANDEL Mr. ROHIT KUMAR Mr. SABANI PAVAN SIDDARAM
132.	49S_BE_0862	SKIN CANCER DETECTION AND CLASSIFICATION USING MACHINE LEARNING.	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. RASHMI N PATIL	Ms. AKSHATA MALLIKARJUN KUMBAR Ms. PUSHPALATA PAWAR Ms. SHREERATNA B BIRADAR Ms. VAISHNAVI ANKALAGI
133.	49S_BE_1787	CYBERBULLYING DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. M.S.SHIRDHONKAR	Ms. AKSHATA G K Ms. GEETA TELI Ms. GOURI KULKARNI Ms. SANJANA M HUGAR

23. B.M.S. COLLEGE OF ENGINEERING, BULL TEMPLE ROAD, BENGALURU

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
134.	49S_BE_5195	SMART CREDIT EVALUATION SYSTEM WITH DVFS FOR ENERGY EFFICIENCY	B.E.	TELECOMMUNICATION ENGINEERING	Dr. GURURAJ C	Ms. ANUSHKA SETHIA Ms. APRAJITA GUPTA Mr. ISHAN RAJ Ms. PALASHA KAPIL KARE
135.	49S_BE_3791	ECO-TRACK: AI & IOT-POWERED E-WASTE SEGREGATION AND AWARENESS FOR SUSTAINABLE RECYCLING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. RASHMI R	Ms. MEDHINI KATTI Ms. KONAKALLA MEENAKSHI Ms. MADHURA M R
136.	49S_BE_0134	AI POWERED LEGAL RESEARCH AND ARGUMENTATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. SHOBHA T	Mr. VISHRUTH H V Mr. TARUN SANJEEV NAVELE Mr. VALLABH SIVAPRASAD
137.	49S_BE_3236	ANNAPURNASETU-AI-DRIVEN FOOD REDISTRIBUTION AND WASTE PREVENTION PLATFORM FOR A HUNGER-FREE INDIA	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. ANITHA H M	Mr. GOKUL G Mr. PRAJWAL N Mr. VIKAS B

24. B.M.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, YELAHANKA, BENGALURU

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
138.	49S_BE_4151	AI-POWERED HEARING AID WITH REAL-TIME SPEECH TRANSLATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. ANITHA V R	Mr. ARYAN RAGHAVENDRA NAYAK Ms. AANSHI DIXIT Mr. BENJAMIN VUKENI MICHAEL MAX Mr. ARCHANAM KAUSHIK
139.	49S_BE_3830	DEVELOPMENT OF NON-ELECTRICAL SOLAR TRACKING SYSTEM WITH SMA AND PENDULUM TECHNOLOGY	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. ARUNAKUMARI B N	Mr. ROHAN D J Mr. ROHIT PATIL Mr. S MITHUL NARAYANA Mr. SURESH S M
140.	49S_BE_6675	MOCKZILLA AI - INTERVIEW TRAINING WEBSITE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. GIREESH BABU C N	Mr. KUNAL SHARMA Mr. GAGANJITH R Mr. K S SUYOG Ms. NISHITHA J BHANDARY
141.	49S_BE_2016	INTELLIGENT COMPARTMENT DETECTION USING ULTRASONIC AND MM WAVE RADAR	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. MAMATHA M	Ms. LAVANYA BALASUBRAMANYAM. Ms. KUSHI BUDALE Ms. PRATHIBHA K.S Ms. RACHANA MUTHUKUMAR
142.	49S_BE_5458	ZAPPQUEUE - EV CHARGING QUEUE MANAGEMENT SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. GEETA PATIL	Ms. FATHIMUZ ZAUYA Ms. AROHI SINGH Ms. DISHA GOWDA Ms. HARSHAVARDHINI G
143.	49S_MCA_0018	HUMAN MENTAL HEALTH ANALYSIS USING TEXT AND VOICE DATA	M.C.A.	COMPUTER APPLICATIONS	Dr. APARNA K	Ms. MANASA

25. B.N.M. INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No .	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
144.	49S_BE_4791	CONCRETE TESTING DEVICE FOR IN-SITE STRENGTH EVALUATION AND AGING PREDICTION OF RCC STRUCTURES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. SUDARSHAN	Mr. VINAY GOWDA D J Mr. TARUN BG
145.	49S_BE_5771	ADAPTIVE HEXAPOD BOT WITH TERRAIN NAVIGATION SURVEILLANCE AND APPLICATIONS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUBODH KUMAR PANDA Dr. MANJUNATH G. ASUTI	Ms. VINDHYA B.M Ms. THRISHALI H BANJAN Ms. SHILPA RAJU N
146.	49S_BE_0001	SHE SAFE: AN AI-POWERED HYBRID SYSTEM FOR WOMEN'S SAFETY	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. CHAITRA M	Ms. SANJANA MURTHY Ms. VISHNU PRIYA K R
147.	49S_BE_2098	FARM2MARKET: A SMART CONTRACT DRIVEN MARKETPLACE FOR FARMERS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. REVANASIDDAPP A BANDI	Mr. B.S.SAGARVIR Ms. ANIKETH.G.V Mr. ARAVIND K V
148.	49S_BE_5476	AI RESISTANT VIDEO CAPTCHA SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. RASHMI T V	Mr. YATHIN G KUMMAR Ms. ANANYA R BHAT Ms. SRUSHTI RAVINDRA CHIGADANI
149.	49S_BE_5512	AGENTCAST: AN AI DRIVEN PODCAST GENERATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. LAXMI.V	Mr. ASHWIN N MYSORE Mr. M PRAMATH Mr. SHREESHA M RAO
150.	49S_BE_5577	DIGITAL RESTORATION OF INDIAN PAINTINGS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. JAGRUTHI H	Ms. SANJANA R. Ms. NIDHI P NAIK Mr. VISHWAS BHUSNOOR
151.	49S_BE_5371	ALTOGETHER - FROM CODE-SWITCHING TO COMMUNITY MATCHING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. MOHANESH B M	Mr. M HARSHITH Mr. MUSTKIM KHAN Mr. KAMAL KUMAR JANGIR
152.	49S_BE_6039	BLINDMATE - AN ASSISTIVE GUIDANCE SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mrs. KAVYA M S Mrs. ABHILASHA P K	Ms. MOKSHITHA N V Ms. MISBAH FATIMAH ANNIGERI Ms. MINCHANA A
153.	49S_MTECH_0020	AUTOMATED GREEN HOUSE MONITOR SYSTEM	M.Tech	COMPUTER SCIENCE	Dr. CHAYADEVI M L	Ms. ANKITHA K S
154.	49S_MTECH_0061	DESIGN OF FLOATING-POINT ALU USING FS-GDI TECHNIQUE	M.Tech	VLSI DESIGN AND EMBEDDED SYSTEMS	Dr. REKHA P Dr. BINDU S	Ms. NEHA S HOSAMATH

26. B.V.V. SANGHA'S BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT

Sl. No .	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
155.	49S_MBA_0209	ROLE OF DIGITAL MARKETING IN EMPOWERING FARMERS: A STUDY ON RURAL E-COMMERCE ADOPTION IN AGRIBUSINESS	M.B.A	MANAGEMENT STUDIES	Dr. RASHMI R. HUNNUR	Mr. BASANAGOUDA B. GOUDAR Mr. SHASHIDHAR H. MADIWALAR Ms. SAHANA ANIL KUNDAGOL Mr. RAVI ANAND BANUSE
156.	49S_BE_4438	GREEN SYNTHESIS OF SILVER NANOPARTICLES USING AEGLE MARMELOS LEAF EXTRACT AND THEIR POTENT IN ANTICANCER ACTIVITY	B.E.	BIOTECHNOLOGY	Dr. MADHUMALA. S. PATIL	Ms. MAITRI MUKUND KITTUR Ms. SOUJANYA VEERAYYA HIREMATH
157.	49S_BE_1176	AUTOMATION AND ANALYSIS OF SOLAR-BASED DC MICROGRID INTEGRATING SPV AND GRID SUPPLY SOURCE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. R.L.NAIK	Ms. VANDANA LAXMAN PAWAR Ms. AISHWARYA IRANNA ANGADI Ms. MUSKAN RAJESAB DODDAMANI Ms. SHIRISHA K
158.	49S_BE_1768	AI BASED DEVELOPMENT OF ALGORITHM TO PREDICT FAULT TYPE IN TRANSMISSION LINE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. S.Y.GOUDAPPAN AVAR	Ms. NIKITA SIDDARAM NIARAGI Mr. ANAND KURUBALLI Ms. AISHWARYA SHRISHAIL TELI Mr. PRAJWAL P BADADAL
159.	49S_BE_3538	SMART COLLAR BELT FOR CATTLE HEALTH MONITORING	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. AJAYKUMAR C. KATAGERI	Mr. ANIL KEMPANNA MANGAJ Mr. CHANDRASHEKAR B. MAHESH Mr. MANOJ H NAIK

160.	49S_BE_4538	ADAS FOR TWO WHEELERS USING NVIDIA JETSON NANO	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SOMU PARANDE	Mr. VAIBHAV BANGALORE Mr. AMAR PATIL Ms. BANASHREE RAYANAGODAR Ms. ANUSHA MURGOD
161.	49S_BE_3531	OPTIMIZATION OF VENDOR FRIENDLY VEGETABLE LIFE PRESERVATIVE CART FOR URBAN MARKET	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. J. D. MALLAPUR	Ms. AKSHATA SHRISHAIL SIDDANAKERI Mr. AKSHAY SURESH RAKARADDI Ms. GEETA BHAJANTRI Ms. AKSHATA SATYAPPA METI
162.	49S_BE_4881	KISSAN VIKAS: SMART PRECISION AGRICULTURE USING IOT AND CLOUD	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. POORNIMA M. CHANAL	Mr. MALIK.K.SHAikh Mr. FAHEEM M. SHIRAHATTI Ms. MRUDULA R. PAWAR Ms. SHAHEEN S. KHAJI
163.	49S_BE_5136	INVEST-IQ AI PERSONAL FINANCE TRACKING AND INVESTMENT AUTOMATION SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHIVAKUMAR V .SABOJI	Mr. ABHISHEK KAKKANNAVAR Mr. DARSHAN VASANT DEVAMANE Mr. NAGARAJ GOGI Mr. BASAVARAJ ISHAPPA OLI
164.	49S_BE_3006	SKAP (SAFE KEEPING OF AUTHENTIC PRESS) SHIELD: CYBER-BLOCKCHAIN MECHANISMS FOR PROTECTING SENSITIVE JOURNALISTIC INFORMATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. GOVINDRAJ CHITTAPUR	Ms. ARPITA NAIK Ms. KAVERI HOSAMANI Ms. U.SAMIRA BANU Ms. PRERANA BALI

27. BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BALLARI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
165.	49S_BE_5871	DEVELOPMENT OF A RENEWABLE ENERGY SOLAR IMPLEMENTED EV CHARGING CAMPUS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. SHARANA REDDY Prof. VIJAY KRISHNA	Mr. LOKESH Mr. SHASHIDHAR REDDY H Ms. RAKSHITHA SM Mr. D YASHWANTH KUMAR
166.	49S_BE_3985	SMART HELMET FOR COAL MINING WORKERS USING LORA COMMUNICATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. GIRIJA VANI G	Ms. TEJASHWINI B Ms. KAVYA V Ms. KOMAL PRAKASH JADHAV
167.	49S_BE_0762	DARPANX - FACES OF HOPE. FACES OF TRUTH.	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. P. PANI RAMA PRASAD Dr. C.K. SRINIVASA	Ms. MANU SHREE REDDY P Ms. M SUSHMA Ms. MAITRI Ms. MEGHANA Y M
168.	49S_BE_6626	INTELLIGENT HEALTH CARE SYSTEM USING BLOCKCHAIN AND AI	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. C. K. SRINIVASA	Mr. HARISH CHOWDARY K Ms. ENJA JYOTHIKA Ms. G NIKITHA Ms. GEETHA B
169.	49S_BE_5139	NAMMACITYFIX - FROM COMPLAINTS TO COMPLETION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. RENUKA SAGAR	Ms. SANA SHAIK Ms. S SARAH AZEEZ Ms. SWATI SAHU Ms. ZOYA TABASSUM
170.	49S_BE_5140	VIDYA SETU	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. B M VIDYAVATHI	Mr. B ARAVIND Mr. ADARSHA M Mr. K VEERESH Mr. SUHAS THAKUR C

28. BANGALORE INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
171.	49S_BE_0160	A NOVEL APPROACH TO PREDICT HEART FAILURE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. KESHAVA A Dr. VIJAYALAKSHMI D	Mr. MAHESH BABU Ms. KUMUDA M GOWDA Ms. LIKHITHA D Mr. KIRANA B J
172.	49S_BE_6261	IOT BASED UNDER WATER OBJECT DETECTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SWATHI	Ms. PRAKRUTHI G Ms. NIDHI V Ms. POOJA BM Ms. POOJA MAHESH GANGNAIK
173.	49S_BE_6726	IOT-ENABLED AUTOMATED PET FEEDING SYSTEM USING VLSI-BASED LOGIC SIMULATION AND EMBEDDED IMPLEMENTATION	B.E.	ELECTRONICS ENGINEERING (VLSI DESIGN AND TECHNOLOGY)	Mrs. LAVANYA Y S Dr. VIJAY PRAKASH	Ms. THANISHQKA P Ms. SMRITI SUBRAMANIAM S

174.	49S_BE_6254	EEG-BASED BRAIN COMPUTER INTERFACE FOR EMOTION RECOGNITION	B.E.	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	Prof. M. RAJESWARI	Ms. S GEETHA Ms. BHUMIKA P BABU Ms. SANJITHA MANYA RAJ Ms. LIKHITHA J
175.	49S_BE_6966	DESIGN AND DEVELOPMENT OF A POLLUTION CONTROL DEVICE USING ST MICROCONTROLLER NUCLEO FOR SUSTAINABLE INK PRODUCTION FROM AIR POLLUTANTS	B.E.	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	Dr. M. RAJESWARI Prof. A R MANJULA	Mr. SYED MAAZ Mr. SAMITH R Mr. B P VINEETH KRISHNA
176.	49S_BE_4814	REAL-TIME HEALTH MONITORING SYSTEM FOR COMA PATIENTS	B.E.	ELECTRONICS AND INSTRUMENTATION ENGINEERING	Dr. SUDHA L K	Ms. MOUNA B Ms. KUSHI SHETTY Mr. DEEPAK SHARMA R Mr. ANISH NADGOUDA
177.	49S_BE_4176	URBAN HEAT ISLAND PREDICTION USING DEEP LEARNING AND SATELLITE DATA	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SAVITHA S K	Ms. VARUNI Y K Ms. DEEPTI RAJ Ms. BHUMIKA B Ms. DHRUTHI P
178.	49S_BE_4468	DNA SEQUENCE-BASED DISEASE CLASSIFICATION WITH CADUCEUS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. M S BHARGAVI	Ms. HANI M Mr. CHANDRASHEKHAR N DIVATE Ms. DISHA K Mr. DIVYANSHU CHAUHAN
179.	49S_BE_5420	CODEFIX:AI-POWERED CODE AUTO COMPLETION, DEBUGGING AND TEST CASE GENERATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. HEMAVATHI P	Ms. GAGANA N Mr. HARSH M JAIN Mr. ANISH B Mr. DHANUSH R GOWDA
180.	49S_BE_6049	DEEP LEARNING BASED PREDICTIVE CROWD STAMPEDE ANALYSIS AND REROUTING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. NETHRAVATHY V Dr. K J BHANUSHREE	Ms. MAITHRI ABHAY HUMBARWADI Ms. MANAVI J. Ms. PRARTHANA A. Ms. PRASHASTHI NAND REDDY
181.	49S_BE_6544	MELANOMA SPOTTER: A HYBRID DEEP LEARNING APPROACH WITH VGG16 AND DENSENET121	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. D. R. NAGAMANI	Ms. POORVI H R Ms. PRAGATI JAYARAM RATHOD Mr. PRADEEPA ACHARYA Mr. PRAJWAL S MADIVALAR
182.	49S_BE_2980	SIMPLIFYING LEGAL ACCESS: BRIDGING AWARENESS AND ASSISTANCE FOR CITIZENS	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Dr. ANUPAMA K C	Mr. RAJESH M R Mr. AADARSH KESHRI Ms. AAKRITI Mr. RAHUL S KAMATH
183.	49S_BE_3137	RESQNOW: AI-AR FIRST AID & EMERGENCY APP	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Dr. K. C. ANUPAMA	Mr. A P SAROON Ms. MEDHA BHAT Ms. SUFAILA T S Mr. PRANAVA N A
184.	49S_BE_3421	SECURECERT: A BLOCKCHAIN-BASED DECENTRALIZED FRAMEWORK FOR TAMPER-PROOF ACADEMIC CERTIFICATE VERIFICATION AND MANAGEMENT	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. PAVITHRA N	Mr. K VISHNU Mr. BASAMMA HALLI Mr. GANESH G A Mr. KEERTHANA NAGENDRA
185.	49S_BE_5528	HIRESREAM: JOB PORTAL FOR PLACEMENT	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. VANI V Prof. PADMANABHA	Ms. MADHUSHREE S Ms. INDU GULUPALYAM Ms. KHUSHI KP Ms. KUSUMA A
186.	49S_BE_6683	AI-DRIVEN MULTI-AGENTIC SYSTEM FOR INTELLIGENT HEALTHCARE ASSISTANCE	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. ASHA T	Ms. ANANYA JHA Mr. AKSHIT MEHTA Ms. MANPREET KAUR Ms. KHUSHI GUPTA
187.	49S_BE_0943	AUTO SCORE AN AUTOMATED ANSWER SCRIPT EVALUATION SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. JYOTHI D G	Mr. AARYAN M Ms. LAASYA NAGARAJ Mr. MANOJ N J Mr. BHIMARAYA L
188.	49S_BE_2524	TRUSTFIT - VIRTUAL TRY-ON WITH AI DEIVEN TECHNIQUES	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SHRUTHIBA A. Dr. JYOTHI D.G	Ms. SMITHA NARASIMHA MURTHY Mr. UDHAY R Ms. MONICA R Mr. PRATHVI RAJ
189.	49S_BE_2901	AI-POWERED HYPERSPECTRAL IMAGING FOR FOOD AUTHENTICATION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. KEMPANNA M	Mr. VAMSHI KRISHNA YADAV S M Mr. DHANUSH K R Mr. SURYA S
190.	49S_BE_5424	THE AUTONOMOUS VOICE AND VISION-BASED OBJECT MANIPULATION USING ARTIFICIAL INTELLIGENCE(AI) ROBOTIC ARM	B.E.	ELECTRONICS AND INSTRUMENTATION ENGINEERING	Prof. BHARATHI D	Mr. PRAFUL UMESH DODDAMANI Mr. RAJESHWAR NAIK M Mr. VISHAL Mr. SHARANABASAPPA ANGADI

29. BANGALORE TECHNOLOGICAL INSTITUTE, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
191.	49S_BE_3169	BRAIN CONTROLLED AUTOMATION FOR PARALYSED PEOPLE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. SUMA B N	Ms. TEJASHWINI B Mr. BHRAJITH REDDY Ms. SOUNDARYA D
192.	49S_BE_2129	NETWORK INTRUSION DETECTION SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. SHYLAJA D N Dr. TAMILARASAN S	Ms. RAKSHA KISHOR KINDALKAR Mr. PRANAY BANDARU Mr. PRAJWAL HOYSAL KUMAR P K Mr. MALIK REHAN
193.	49S_BE_2579	DIABETIC RETINOPATHY USING MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. NEHA BHATT Dr. PAYAL KOOLWAL	Mr. RANJITH MANOJKUMAR Mr. P VENKATA PRASAD REDDY Mr. PRAVEEN KUMAR Mr. RANJITH K
194.	49S_BE_2588	AI-ENHANCED FIREWALL	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. KALPANA M Dr. PAYAL KOOLWAL	Mr. ASHWIN KUMAR N.S Mr. ADARSH K Mr. MUHAMMED AMEES GK Mr. MUHAMMED ALFAZ CK
195.	49S_BE_2045	A COMPREHENSIVE PHILOLOGICAL ANALYSIS TOOL USING AI	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. M A DORAI RANGA SWAMY	Ms. ANJALI.K.S Mr. C D SUBRAMANYA IYENGAR Mr. DHANUSH R
196.	49S_BE_2078	AI PET ROBOT FOR MENTAL HEALTH CARE AND PERSONAL ASSISTANCE	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. G GAYATRI TANUJA	Ms. SHRUTHI T R Mr. ESHWAR PAWAN P Mr. CHIRAG S G REDDY
197.	49S_BE_2265	HAND-MIMIC ROBOT: CNN BASED SMART GESTURE-CONTROLLED ROBOTIC ARM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. M. A. DORAI RANGA SWAMY	Mr. PRUTHVI NARAYANA REDDY V Ms. LAKSHMICHANNABASU KOUJALAGI Mr. G UDHBAV Ms. ESHWARI HN

30. BANGALORE UNIVERSITY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
198.	49S_MSC_0130	GREEN SYNTHESIS OF GRAPHENE OXIDE FROM TAMARIND SHELL: FLUORIDE REMOVAL EFFICIENCY AND ELECTROCHEMICAL PERFORMANCE	M.Sc	CHEMISTRY	Prof. G KRISHNAMURTHY Dr. SHYAMALA R	Mr. NAGESH N Ms. NAYANA D

31. BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANAGERE

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
199.	49S_BE_2841	DEVELOPMENT OF ECO-FRIENDLY BIOPLASTIC FROM CELOSIA ARGENTEA: A SUSTAINABLE ALTERNATIVE TO CONVENTIONAL PLASTICS	B.E.	BIOTECHNOLOGY	Dr. MANJUNATH N S Prof. MANASA M B	Ms. AMRUTHA V N Ms. MADHUSHREE MB Ms. SUMEDHA P Ms. VAISHNAVI V RAO
200.	49S_BE_5081	AI POWERED BORDER SECURITY SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. NIRMALA S O	Mr. ASHWATH B S Ms. ANKITHA L Ms. ANUSHA P R Ms. BHAVANA T E
201.	49S_BE_6569	DESIGNING A COST-EFFECTIVE METHOD FOR THE SYNTHESIS OF POLYMER NANOCOMPOSITES FOR SUPERCAPACITOR APPLICATION	B.E.	CHEMICAL ENGINEERING	Mrs. SHASHIKALA K J Mrs. TANUSHREE M K	Ms. LAKSHMI G D Ms. TEJASVINI P M Mr. RAKESH S KASHE
202.	49S_MBA_0143	SMART VILLAGE INFRASTRUCTURE SYSTEM USING IOT AND RENEWABLE ENERGY IN DAVANGERE DISTRICT	M.B.A	FINANCE	Dr. CHAITRA K S	Ms. SHIVANI S REVANKAR Ms. SNEHA P CHIKKAMATH Ms. DIPALI KUMARI
203.	49S_BE_1712	C3RBERUS - AN AI BASED INCIDENT RESPONSE AGENT FOR CYBERSECURITY	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. USHA G R	Ms. MS. UMME KULSUM Mr. ADARSH KUMAR Mr. TEJAS M BANAKAR
204.	49S_BE_6485	GENERATIVE AI FOR RECONSTRUCTION OF INCOMPLETE OLD KANNADA INSCRIPTIONS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. NIRMALA C R	Mr. VIGNESH BHAT N Ms. SINDHU K S Ms. PRAKRUTHI M V Mr. PUNDALEEKHA P G

205.	49S_BE_2412	NEURAL RADIANCE FIELDS FOR 3D ORGAN RECONSTRUCTION FROM 2D MEDICAL IMAGES	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. BHARATH H C	Ms. SHIFANA Ms. NAFEESA TAJ N Ms. SABHA TASNEEM Z Ms. HUSNA BANU DARVESH
206.	49S_BE_2724	A LOW-COST EEG SYSTEM FOR EARLY DETECTION OF LEARNING DIFFICULTIES IN STUDENTS BASED ON COGNITION STATES	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. RANJANA B JADEKAR	Ms. SEJAL M Ms. VIJAYALLAXMI B Ms. SRUSHTI R GAONKAR Ms. M SINDHU
207.	49S_BE_4619	JANMITRA: UNIFIED PLATFORM FOR ALL CITIZEN CONCERNS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SANTHOSH T	Ms. SANJANA N H Ms. SANIKA R H Ms. THANUJA G N Ms. USHA PATEL G S

32. BEARYS INSTITUTE OF TECHNOLOGY, MANGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
208.	49S_BE_3237	EFFICIENT AND SECURE ANOMALY DETECTION TECHNIQUE USING DWU-ODBN FOR IOT-ENABLED MULTIMEDIA COMMUNICATION SYSTEMS.	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. MEHABOOB MUJAWAR	Ms. SUMAIYA NAZNEEN Ms. TRUPTI LAGOND Ms. ANISA Ms. MADEEHA RUMAN
209.	49S_BE_3658	AI DEEP FORGE: AN INTEGRATED UNIMODEL FOR DIGITAL FORENSICS IN AI-GENERATED CONTENT	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. SOUDHA N Dr. MEHABOOB MUJAWAR	Ms. SUMAIYA NASEER HUSEN SARWAD Ms. ASIYAMATH AZEEMA Ms. AYISHATH SAFA Ms. FATHIMA ANNA
210.	49S_BE_4462	AI-DRIVEN CLIMATE IMPACT FORECASTING WITH REAL-TIME SOCIAL SENTIMENTAL ANALYSIS	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. SOUDHA N Dr. MEHABOOB MUJAWAR	Mr. MOHAMMED ANAS Mr. FARDEEN KHAN Mr. MOHIDDEN MUSMEER Mr. MUHAMMED RAYAN
211.	49S_BE_2864	BLAST CELL SEGMENTATION IN LEUKEMIA BLOOD SMEAR IMAGES USING U-NET	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. AZIZ MUSTHAFA Prof. AKSHATHA NAIK	Mr. MOHAMMED AMEEN KHAN Mr. MOHAMMED AQIB HUSSAIN Mr. MOHD DAANISH ALGUR Mr. NARAYAN MANJUNATH NAYAK

33. BILURU GURUBASAVA MAHASWAMIJI INSTITUTE OF TECHNOLOGY, MUDHOL, BAGALKOT

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
212.	49S_BE_3431	AN IOT BASED PATIENT IDENTIFICATION AND MONITORING SYSTEM IN EMERGENCY CASES USING RFID	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. ANUPAMA P. PATIL Prof. RASHMI M. KITTALI	Mr. SAGAR GANGADHAR SAPTASAGAR Ms. SHANTA M. HIEMATH Mr. PRAVEEN R. KATTIMANI
213.	49S_BE_2708	SMART SIGHT ROVER - WHERE SMART VISION MEETS SMART MOTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. VINAY SHETTAR Prof. SNEHA B.KOTIN	Ms. BUSHERA SHAIKH Ms. KEERTI MALABASARI Ms. SHREYA AWATI Mr. SIDDAPPA BARKOL
214.	49S_BE_5874	AI BASED MANHOLE CLEANING ROBOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. RAVI M. BASHETTI Prof. VINAY SHETTAR	Ms. VEENA BIRADARPATIL Ms. SRUSHTI TATTIMATH Mr. GURUPRASAD PURANIKMATH Mr. GANESH DINDI
215.	49S_MBA_0083	A STUDY ON THE USES OF AI BASED MARKETING TOOLS TO IMPROVE MARKETING EFFICIENCY OF SMALL BUSINESSES IN KARNATAKA	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Prof. SOUMYA BALIGIDAD	Mr. DARSHAN RAJENDRA SHAHA Mr. KRISHAN RAMESH HOOLI Mr. TILAK SHASAPPA LAKKAM Mr. NIKHIL VIJAY TELI
216.	49S_BE_0919	SKILL GAP ANALYZER USING NATURAL LANGUAGE PROCESSING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VARUN P. SARVADE Prof. VINAYAK A. TELSANG	Ms. ANUJA PATIL Ms. ARPITA RAMDURG Ms. RAKSHITA ANGADI Ms. ANUSHA HARLAPUR
217.	49S_BE_1074	A MULTI-PHASE YOLOV10 DEEP LEARNING MODEL FOR BLISTER DEFECT DETECTION AND SEVERITY ASSESSMENT AND IMPACT MITIGATION.	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VANI MUNGARAWADI Prof. RAMESH KUMBAR	Ms. MEGHANA ASHOK JIGALUR Mr. NANDEESH GUDDADAVAR Ms. PARVATI BOMMASAGAR Mr. SHIVANAND CHANDRASHEKHAR PALABHAVI

218.	49S_BE_1142	CRAFTFUND: AI-BASED CROWDFUNDING & E-COMMERCE PLATFORM FOR RURAL ARTISANS AND INNOVATORS IN INDIA	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. NAGAPRIYA JANARDHAN GANIGA Prof. SAVITA GOUDI	Ms. SHREENIDHI Ms. SUSHMITA VENKATESH TUMBARAMATTI Ms. ZAHEEN MAKANDAR Mr. RAMAKRISHNA METI
219.	49S_BE_1323	EVIDANCE PROTECTION SYSTEM USING BLOCKCHAIN PRINCIPALS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. PADMINI P. NENDEPPANAVAR Prof. NAVIN M. MATHAD	Mr. KHABEER HASHIM A. CHISTEPEERA Mr. NAYEEM B DINDAWAR Mr. TOUPIK AINAPUR
220.	49S_BE_1338	CHITRAVACHAKA: TESSERACT OCR & GOOGLE TTS BASED KANNADA IMAGE RECOGNITION & SPEECH GENERATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VARUN P. SARVADE Prof. VINAYAK A. TELSANG	Mr. UDAY V. HOSUR Ms. SUDHA I. MALAGUNDI Ms. VINUTA V. VASTRAD Mr. PAISAL A. MADDIN
221.	49S_BE_3648	HEAD MOVEMENT BASED WHEELCHAIR	B.E.	MECHANICAL ENGINEERING	Prof. SACHIN SUTAR	Mr. RAVI KALLAPPA MANTUR Mr. VINAYAK PRABHU ULLAGADDI Mr. RAVI NINGAPPA KUMBAR

34. BRINDAVAN COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
222.	49S_BE_1095	IOT BASED BLACK BOX FOR AUTOMOTIVE INDUSTRY WITH AI DRIVING ANALYST	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. APARNA S KULKARNI	Mr. J K ABHINAV Ms. SNEHA KUMARI Ms. SHREYA V Mr. DARSHAN P
223.	49S_BE_1334	NEXT-GEN HYBRID ENERGY UAV: SOLAR AND PIEZOELECTRIC HARVESTING WITH SMART DISPLAY AND COLLISION AVOIDANCE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. JAHNAVI D M	Ms. KEERTHANA R Mr. CHANDAN M N Mr. GURU KIRAN M Mr. K GURUSAI AKASH
224.	49S_BE_3518	SOLDIER HEALTH AND POSITION TRACKING SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. MAMATHA N P	Mr. YASHAS P Mr. MADHUSUDAN REDDY DESAI Mr. MONISH U Mr. SUDEEP P
225.	49S_BE_0489	SMART ADAPTIVE CRUISE CONTROL AND CLOUD CONNECTED VEHICLE BLACK BOX	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. GOMATHI R Dr. SURESHU S	Mr. CHANDAN B Mr. ASHWIN R VASISTHA Mr. BHAGAVAN Mr. KURUBA DINESH
226.	49S_BE_0553	LI-FI: THE FUTURE OF COMMUNICATION THROUGH LIGHT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VINODH KUMAR C Dr. SURESHU S	Mr. SHIVATEJ S Mr. PUNEETH K V Mr. SHRIKANTH H E Mr. VENKATESH P K
227.	49S_BE_1672	RANSOMWARE PREDICTION USING MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. BINDUSREE M Dr. SURESHU	Ms. CHARANI C N Mr. AVINASH NASHI Ms. CHITHRA N S Ms. KIRTI
228.	49S_BE_1694	DESIGN AND DEVELOPMENT OF MOCK AI: A SENTENCE BERT POWERED FRAMEWORK FOR ANSWER ANALYSIS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. PADMAVATHI R	Ms. AISHWARYA D Ms. BHUVANESHWARI Ms. LAKSHMI Mr. USMAN ULLA KHAN

35. C. BYREGOWDA INSTITUTE OF TECHNOLOGY, KOLAR

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
229.	49S_BE_3795	BLOCKCHAIN BASED CROPTRADING AND PAYMENT PLATFORM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. VASUDEVA R	Ms. SHARANYA C Ms. SHREYA R Ms. SUMATHI R Ms. TRISHA KS
230.	49S_BE_4737	APPLYING DEEP LEARNING FOR BREAST CANCER DETECTION USING RADIOLOGY	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SUMARANI H Dr. VASUDEV R	Ms. HARSHITHA R Ms. ISHA S Ms. HARSHITHA N Ms. KRUTHIKA J
231.	49S_BE_2007	NEUROLEARN - AI TUTOR FOR STUDENTS WITH LEARNING DISABILITIES	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. VANITHA L B Dr. DEEPIKA LOKESH	Mr. PRAJWAL H D Mr. CHANDAN RAO Mr. DHANANJAYA G Mr. DHANUSH M REDDY

36. C.M.R. INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
232.	49S_BE_2922	IOT-BASED SMART WEARABLE DEVICE FOR CONTINUOUS FETUS WELL-BEING MONITORING	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. ABINASH PANDA Dr. MEENAKSHI PATIL	Mr. LAVDEEP KUMAR TIWARI Mr. RISHI DHAR MISHRA Mr. SIDDHANT SINGH

233.	49S_BE_3472	DESIGN OF LOW DROPOUT REGULATOR FOR POWER MANAGEMENT UNIT OF WEARABLE HEALTHCARE SYSTEM DEVICE USING 45NM CMOS TECHNOLOGY	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SUSMITHA ALAMURU Prof. SUSHMA TV	Mr. PRAMOD.R Mr. ROHAN GOWDA B Mr. RAHUL Mr. POORNACHANDRA BU
234.	49S_BE_3695	DESIGN AND DEVELOPMENT OF UNMANNED AERIAL SYSTEM(UAS) SIMULATOR FOR LABORATORY STUDIES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUTAPA SARKAR	Ms. V C SHRIYAA Ms. ANUSHREE J Ms. VARSHASRI S Ms. VIDAPANAKAL SWETHA
235.	49S_BE_3743	SMART HELMET WITH ACCIDENT DETECTION AND ALERT SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SUSHMA T V Prof. SUSMITHA ALAMURU	Mr. SIDDHARTH P Mr. S TANUJ Mr. SWAMI T Mr. SHREYAS N H
236.	49S_MBA_0002	EVALUATING THE DOORSTEP AI HEALTH APP FOR DAIRY CATTLE: A STUDY ON EFFICACY, ADOPTION, AND ECONOMIC IMPACT ON SMALL HOLDER FARMERS IN RURAL BANGALORE	M.B.A	ARTIFICIAL INTELLIGENCE	Dr. MOHAN N Prof. BRIJESH SINGH	Ms. KAVITHA C Ms. SOURABHA.M.P Mr. RAJESH K Mr. ANIKET KUMAR MISHRA
237.	49S_BE_5995	VIBETALK AI POWERED ASSISTIVE COMMUNICATION SYSTEM FOR HEARING AND SPEECH IMPAIRMENT	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Mrs. ROMA KUDALE	Ms. AKSHATA TAVANAPPA UNDRU Ms. AMULYA R Ms. JESSICA MARIS J Ms. LAKSHITHA S R
238.	49S_BE_6023	FLUTTER POWERED SMART ATTENDANCE SYSTEM USING INSIGHTFACE	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Ms. RENCITA MARIA COLACO	Ms. AVANTIKA GUPTA Mr. AKASH BC Ms. KONDREDDY CHARANI SAI REDDY Mr. YOGESH S E
239.	49S_BE_6494	MULTI VISION-LANGUAGE CAPTIONING SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Ms. RENCITA MARIA COLACO	Mr. ADITYA DHARANE Mr. KP ROHAN Mr. SUNAY DAS Mr. V SANJAY KANTH
240.	49S_BE_1137	HARNESSING DEEP LEARNING FOR AIR AND WATER POLLUTION DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. NAVANEETHA M	Ms. ROSHINI H R Ms. SHRILAKSHMI P NAIK Mr. SRIPAD KULKARNI
241.	49S_BE_0514	CNN-LSTM HYBRID MODEL FOR ROBUST SPEECH RECOGNITION IN HIGH- NOISE ENVIRONMENTS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. SHILPA MANGESH PANDE Dr. SUSHEELAMMA KH	Mr. ATIKSH V JAIN Mr. ABHIMANYU TIWARI Mr. BS TUSHAR
242.	49S_BE_1370	ML BASED SYSTEM FOR AUTOMATIC DETECTION AND SEVERITY EVALUATION OF NIGHT BLINDNESS USING EYE IMAGES	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. JAYASHREE M	Ms. SAHANA R Ms. SAI MEGHANA S Ms. MUDIYALA AKSHAYA SAI REDDY

37. C.M.S. BUSINESS SCHOOL, JAIN (DEEMED-TO-BE UNIVERSITY), BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
243.	49S_MBA_0007	MACHINE LEARNING MODEL FOR FORECASTING FOOD WASTE GENERATION IN MARRIAGES WITH SPECIAL REFERENCE TO BENGALURU	M.B.A	BUSINESS ANALYTICS	Dr. PRAVEEN GUJJAR J Dr. LUBNA AMBREEN	Mr. PRATIM ACHARYA Mr. SALVIN THOMAS Ms. SOMHRITA DAS
244.	49S_MBA_0004	AI-ENABLED PRECISION AGRICULTURE FOR SUSTAINABLE CROP PRODUCTIVITY IN RURAL KARNATAKA	M.B.A	ANALYTICS	Dr. PRAVEEN GUJJAR J	Mr. GANTA CHANDRA SEKHAR Mr. PRANAV SHARMA V Mr. DIBYASHREE BISWAL

38. CAMBRIDGE INSTITUTE OF TECHNOLOGY NORTH CAMPUS, DEVANAHALLI, BENGALURU RURAL

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
245.	49S_BE_2647	VEHICLE DETECTION AT HAIRPIN BENDS IN GHAT ROADS USING RADAR AND LORA-BASED ALERT SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUGUMAR S J	Mr. A.KISHORE Mr. KALYAN SRINIVAS J Mr. MOHAN RAJ J Mr. HEMANTHGOUDA S PATIL
246.	49S_BE_4353	SMART MIRROR A REVOLUTIONIZED APPROACH TO STYLING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VARSHINI T R Prof. REKHA	Mr. S L DARSHAN Mr. SANGAMESH Mr. SHANMUKHA S Mr. SUJAN S S
247.	49S_BE_4433	SMART WASHROOM AND HYGIENE MONITORING SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. BHAGYA M Prof. PRABHA SEETARAM NAIK	Ms. SNEHA R Ms. VIJETHA R BONGALE Ms. SUPRIYA P N Ms. SANA AFREEN

248.	49S_BE_4487	LASER MIC (USED FOR SPYING)	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. MAHALAKSHMI J Prof. BHAGYA M	Mr. LOKESH M V Mr. KASHINATH Mr. PAWAN KUMAR Mr. PRASHANTH T S
249.	49S_BE_4808	AI-POWERED PUBLIC GRIEVANCE ANALYZER AND PRIORITIZATION SYSTEM FOR CIVIL SERVICES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. POTHIREDDY K Prof. BANDHAVYA G	Ms. YERU VAISHNA HASWITA Ms. THAGNER POOJITHA Ms. VEMIREDDY ALEKYA Ms. SHIVALA KAVYA
250.	49S_BE_4864	TUTEE AIO YOUR-ALL-IN-ON COLLEGE COMPANION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. S SUNDARA PANDIYAN Prof. V RAMESH BABU	Mr. GOWRISH H B Mr. PAVAN S HADIMANI Ms. THANUSHREE B R
251.	49S_BE_4867	INNOWILD:AI-DRIVEN IDENTIFICATION OF WILD AND PET ANIMALS IN INDIA	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. BANDHAVYA G Prof. POTHIREDDY K	Ms. NISARGA K Ms. LAKSHMI PRIYA S Ms. NAVYA C V Ms. PREETHI T M
252.	49S_BE_5075	COW TRACKING AND MONITORING USING IOT AND ML	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. PRABHA S NAIK Prof. BHAGYA M	Ms. APOORVA C MALKHEDKAR Ms. BHAVANA S B
253.	49S_BE_5094	WE3CHAT: ADVANCED BLOCKCHAIN-BASED DECENTRALIZED CHAT APPLICATION (DAPP) WITH INTEGRATED CRYPTOCURRENCY TRANSFERS AND IPFS MEDIA STORAGE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. ANAND KUMAR Prof. POTHIREDDY	Mr. DEEKSHITH B

39. CAMBRIDGE INSTITUTE OF TECHNOLOGY, K.R. PURAM, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
254.	49S_BE_3575	INTEGRATED OFF-GRID POWER CONVERSION FRAMEWORK USING SEPARATE AND COMBINED WIND-SOLAR INPUTS WITH MULTI-BATTERY STORAGE, HIGH-EFFICIENCY INVERTER STAGE, AND HYDROGEN PRODUCTION MODULE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. K G NAGARAJA	Mr. PRITHVIRAJU.D Mr. ABHI C Mr. DHANUSH S Mr. GIRI SHANKAR.K.N
255.	49S_BE_0165	DEVELOPMENT OF A HIGH-GAIN CERAMIC MIMO ANTENNA FOR MMWAVE COMMUNICATION SUPPORTING SMART CITY AND RURAL BROADBAND INFRASTRUCTURE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. AJAY KUMAR DWIVEDI	Ms. HARSHITHA E Ms. VIJAYASHREE GC Ms. NANDU S
256.	49S_BE_0777	A SMART RASPBERRY PI PICO BASED INFANT CARE AND SAFETY MONITORING SYSTEM FOR ASSISTING YOUNG MOTHERS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. CHRISPIN JIJI Dr. KAVITHA M B	Mr. DHURVAN D J Mr. BALAJI BC Mr. CHARAN HR Mr. DEEPAK V
257.	49S_BE_0778	IMAGE TEXT-TO-SPEECH CONVERSION IN MULTIPLE LANGUAGES USING RASPBERRY PI AND OBJECT DETECTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. KAVITHA M V	Mr. MOHAMED MUZAMIL T Ms. MOHAMMED FIZZAH TASNEEM Ms. DANIYA KAUNAIN
258.	49S_BE_0798	SMART AGRICULTURE: IOT-BASED IRRIGATION MONITORING AND CONTROL SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. A CHRISPIN JIJI	Mr. VINOD C TEGGINAMANI Mr. GANGADHAR A YANDIGERI Mr. DIGANTH P Mr. PRATHAM R NAIK
259.	49S_BE_2273	DUAL BAND DUAL PORT COMPACT MIMO ANTENNA FOR MILLIMETER WAVE COMMUNICATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. VIVEK SINGH	Ms. BHOOMIKA Ms. BHUMIKA Ms. MANASA J Mr. B U SUHAS
260.	49S_BE_3154	SCAVENGER BOAT: AN AI-POWERED TRASH COLLECTING BOAT USING RCNN	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. MAHALAKSHMI V	Ms. DIKSHITHA RAMESH Ms. G.AKSHAYA Mr. A MOHIT Mr. NAGARJUN REDDY S
261.	49S_BE_3157	SOLAR PANEL CLEANING AND MAINTENANCE ROBOT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. SYED HAYATH	Mr. RAJESH Ms. PACHA THANUSREE Mr. MD ABID SHARIFF Mr. ABHISHEK M
262.	49S_BE_3224	MACHINE LEARNING DRIVEN MULTI-FACETED LIVESTOCK WELFARE SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. SUDHANSHU RAKESH KATAREY	Ms. UMME KULSOOM A Ms. SANDHYA P Ms. TANNERU MEGHANA Mr. B ASHOKKUMAR REDDY

263.	49S_BE_3307	AOI MACHINE TO PERFORM PCB VISUAL INSPECTION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. ANUSHA KV Dr. VARALATCHOUM Y M	Ms. GAYATHRI G Ms. AKHILA K Mr. G SANJEEV KUMAR
264.	49S_BE_3366	ML BASED PIPELINE INSPECTION ROBOT FOR CRACKS AND CORROSION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. VARALATCHOUM Y M	Mr. SHAIK MOHAMMED SAMDANI Mr. THIRUVENKAT R Mr. PRASHANTH S Mr. DHARSHAN E
265.	49S_BE_4419	REAL TIME TRAFFIC SIGNAL OPTIMIZATION USING QUANTUM COMPUTING AND IOT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. GIRIJA V	Mr. CHAMAN S Mr. HEMANTH V Mr. NRUPATHUNGA U
266.	49S_BE_0937	DIGITAL DRAINAGE MAPPING AND MAINTENANCE PREDICTION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. PRIYANKA DESAI	Mr. S AARON ROHAN RAJ Ms. TANMAYI N Mr. AKSHAT CHAUHAN Mr. DHANUSH J
267.	49S_BE_1473	REAL TIME DATA EXTRACTION AND PREDICTION OF CRYPTOCURRENCY	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. ANUSHA B	Ms. DEVADIGA PRATEEKSHA BABU Ms. LAKSHMI VM Mr. ADITHYA KP Mr. ADITYA KH
268.	49S_BE_4981	SMART SOLUTIONS FOR URBAN TRAFFIC: ENHANCING SAFETY AND EFFICIENCY	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. KARANGULA NAVYA	Ms. PARINETHA.G Ms. PRAGNA S Ms. SUKANYA C Ms. VARSHA N
269.	49S_BE_5557	VIRTUAL REALITY-BASED INTERIOR DESIGN FRAMEWORK BUILT ON CLOUD FOR SCALABLE AND IMMERSIVE EXPERIENCES	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. TEJAASWINI ELANGOVAN	Ms. PREETHI K SETTY Ms. ANNA ARPANA A Ms. AYESHA BEE Ms. BHAVANA BIRADAR
270.	49S_BE_5973	AUTOMATIC DRIVER LICENSE IDENTIFICATION AT TOLL SYSTEM USING FACIAL RECOGNITION ALGORITHM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SUDARSANAN D	Ms. HEMAL PAWAR C Ms. PRIYANKA.P Ms. HARSHITHA.BH Ms. CHANDANA.S
271.	49S_BE_2072	DESIGNING AND FABRICATION OF PANEL SPLIT AC FOR INDUSTRIAL MANUFACTURING	B.E.	MECHANICAL ENGINEERING	Dr. SREENIVAS S	Mr. VIPOUL G S Mr. PUNITH H R Mr. HEMANTHA UPPARA N D Mr. NANDISH K PATIL

40. CANARA ENGINEERING COLLEGE, MANGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
272.	49S_BE_0921	NEURO-P3 (PHOTOVOLTAIC POWER PROCESSING)	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. SREERAMA SAMARTHA J. G. Mrs. TARA B. B.	Ms. PRAPTHI Y POOJARY Mr. HARSHITH KUMAR Mr. SUSHAN Mr. THUSHAR
273.	49S_BE_1830	AI-POWERED EV BATTERY FIRE PREVENTION SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. AKSHATHA G BALIGA	Ms. RASHMI RAO B Mr. SAMARTHA R BHAT
274.	49S_BE_1525	RETRIEVAL-AUGMENTED GENERATION SYSTEM WITH AUDIO AND GESTURE INTERACTION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mrs. SUPRIYA A V	Mr. SHRITIJ N SALIAN Mr. GOWREESHA Mr. ROLWIN MELRON DSOUZA Mr. SHARAN
275.	49S_BE_1544	AI-POWERED BHARATIYA NYAYA SANHITA CHATBOT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. ARJUN K Dr. SUJATHA M	Ms. B VAIBHAVI MALLYA Ms. LISHA CLAVIA RODRIGUES Ms. SRUSHTI NAIK Ms. YASHASWI
276.	49S_BE_2891	PRESERVATION AND CONSERVATION OF PUSHKARNIS IN DAKSHINA KANNADA ZONE THROUGH COMPUTER VISION AND DEEP LEARNING TOOL FOR LONG TERM PRESERVATION OF PUSHKARNI'S.	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. GURUDEVA SHASTRI HIREMATH Dr. SUNIL KUMAR B L	Mr. POOJARY PRAJWAL Mr. MAHANT MANGESH MHALSEKAR Mr. OMKAR SURENDRA KURDEKAR Mr. SANDESH RAMA NAIK
277.	49S_BE_2082	DEEPFAKE DETECTION AND PROTECTION: SAFEGUARDING IMAGES AND VIDEOS FROM AI-GENERATED MANIPULATIONS	B.E.	COMPUTER SCIENCE AND BUSSINESS SYSTEM	Mrs. YOJANA KIRANKUMAR	Ms. SHRADHA KAMATH Ms. NEHA Mr. PREETHAM I M Mr. YASH SANJEET ANCHAN
278.	49S_BE_2386	SMART PARKING SYSTEM USING ARTIFICIAL INTELLIGENCE AND YOLO FOR REAL-TIME VEHICLE DETECTION WITH SLOT RESERVATION FEATURE	B.E.	COMPUTER SCIENCE AND BUSSINESS SYSTEM	Mr. YATHISH K	Mr. POORNESH Ms. NISHA Mr. TEJAS K Ms. THANVI N RAO
279.	49S_BE_0895	AUTOCTI- AUTOMATED CYBER THREAT DETECTION USING AUTOML	B.E.	COMPUTER SCIENCE AND DESIGN	Mr. RAVISHANKARA KULAMARVA	Mr. PREETHAM Ms. SANJANA A PADUKONE Ms. SAKSHI V MOGER Ms. SREEDEVI P

280.	49S_BE_0935	SYRACUSE: AUTONOMOUS TURRET SYSTEM FOR DRONE DETECTION & TRACKING AND REAL-TIME SMART SURVEILLANCE	B.E.	COMPUTER SCIENCE AND DESIGN	Mrs. CHATURA V KARADESAI	Mr. SHIVAPRASAD ACHARYA Mr. B SHASHANK KAMATH Mr. YUVARAJ ARALITHAYA D Mr. VAIBHAV GANAPATI BALGI
281.	49S_BE_0945	SIGNASSIST: REAL-TIME CONTEXT-AWARE MULTI-LINGUAL SIGN LANGUAGE TRANSLATOR	B.E.	COMPUTER SCIENCE AND DESIGN	Mr. M H SOORAJPRASAD	Ms. RASHMI S MALLYA Ms. DIYA KIRAN GATHANI Ms. ZULEKHA MD SADIQ SHAIKH Ms. KUSHI PRAVEEN POOJARY
282.	49S_BE_2883	OPTIMIZING INVENTORY AND LOGISTICS WITH AI FOR SMALL ENTERPRISES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. JANARDHANA BHAT K Mr. K TEJAS PRABHU	Mr. K ADITHYA BHAKTHA Ms. KHUSHI NAIK Ms. PRAJNA NAYAK Mr. S PUNEETH KUMAR
283.	49S_BE_0581	INTRUSION DETECTION SYSTEM (IDS) FOR NETWORKS USING OPTIMIZED HYBRID MACHINE LEARNING (ML) ALGORITHM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. VASANTH NAYAK	Ms. RASHYA SHETTY Ms. NISARGA SHETTY Ms. ASHIKA Ms. JASHMI M R
284.	49S_BE_0858	NEUROLEX: AN AI-DRIVEN FRAMEWORK FOR INTELLIGENT DYSLEXIA DETECTION AND CORRECTION OF DYSLEXIC TRANSCRIPT	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SADHANA B Ms. SHWETHA PRABHU	Ms. CHRISSEL EITHAL GUDINHO Ms. PRAJNA Ms. SAHANA DEVADIGA Ms. SHRAVYA DS
285.	49S_BE_0859	MACHINE LEARNING-BASED PREDICTIVE MODELING FOR POLYCYSTIC OVARY SYNDROME (PCOS) DIAGNOSIS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. H MANOJ T GADIYAR	Ms. SUMEDHA Ms. SINCHANA SN Mr. SHREESHA Mr. SUJNAN ACHARYA

41. CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, TUMAKURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
286.	49S_BE_5853	AI-CARE RURAL HEALTH ASSISTANT: AUTOMATED DISEASE DIAGNOSIS WITH SMART MEDICATION PRESCRIPTION AND RECOMMENDATION SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Mr. DHARANESHKUMAR M L	Ms. SANIKA S Ms. KISHORI KISHAN T K
287.	49S_BE_5754	INTELLIGENT VISUAL EVIDENCE RETRIEVAL SYSTEM FOR CRIME INVESTIGATION USING OPENAI CLIP AND LANCEDB	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. RASHMI C R Dr. SHANTALA C P	Ms. MEGHANA N Ms. CHANDANA M G Ms. SANJANA T H Ms. SHRAVANI S R
288.	49S_BE_6047	SOLAR POWERED LOW-COST MULTIPURPOSE TROLLEY FOR CONSTRUCTIONAL APPLICATIONS AT CIT CAMPUS	B.E.	MECHANICAL ENGINEERING	Dr. DR. NATESH C P	Mr. JNANESH K P Mr. DEEPAK H S Mr. HARISH KUMAR C R Mr. LAKSHMEESHA T B

42. CHRIST DEEMED TO BE UNIVERSITY, KENGERI CAMPUS, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
289.	49S_BE_3190	DESIGN AND DEVELOPMENT OF AN AUTONOMOUS DELIVERY ROBOT FOR ENHANCING COMMUNITY SERVICES AND ACCESSIBILITY AS A MOBILITY AID	B.E.	ROBOTICS AND MECHATRONICS	Dr. UMESH V	Ms. SAHANA ARULANANDAM Mr. EDWIN BENNY Mr. ALWIN SALMON Mr. KANISH KOUSHIK
290.	49S_BE_6330	DEVELOPMENT OF AI- BASED COMPANION LEGGED ROBOT FOR STEM EDUCATION	B.E.	ROBOTICS AND MECHATRONICS	Dr. AMRUTA ROUT	Mr. TEEKANA PRAVEEN SREEMAN Ms. DEVIKA P S Mr. ABRAM JAIN Mr. SASTHA RUPAN S
291.	49S_BE_6375	DESIGN AND DEVELOPMENT OF MULTI-LINGUAL AI-BASED EDUCATIONAL ROBOT FOR SOCIAL AND EMOTIONAL SKILL DEVELOPMENT IN PRESCHOOL AND PRIMARY CHILDREN ACROSS RURAL AND URBAN SETTINGS	B.E.	ROBOTICS AND MECHATRONICS	Dr. AMRUTA ROUT	Mr. ALEN GEORGE Mr. CRISTIANO LENIN Mr. JEYAKRISHNA V
292.	49S_BE_0787	EFFECTIVE EXPLAINABLE MODEL TO DETECT MULTISPECTRAL CROP STRESS USING VIT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. MANJUNATHA SWAMY C	Mr. ALDRIN P THOMAS Mr. MUHAMED NABHAN Mr. SANYU REJI KURIAKOSE
293.	49S_BE_6480	IOT ENABLED REAL-TIME EMOTION MONITORING AND EMERGENCY ALERT SYSTEM FOR PARENTAL SUPPORT AND STRENGTHENING SOCIAL PROTECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SANDHIYA B	Mr. EMIL JOSEPH Mr. MARC FRANCIS PEREIRA Mr. SUMEET BAFNA
294.	49S_BE_0202	RETROFIT BLACKBOX FOR CARS	B.E.	MECHANICAL ENGINEERING	Dr. IVAN SUNIT ROUT Dr. RAVIKUMAR R	Ms. MS LEA ROZALIA CECIL Mr. MADUGU SAIKANTH Mr. AKHILDAS T D Ms. ALENA MATHEW PHILIP

43. CITY ENGINEERING COLLEGE, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
295.	49S_BE_3892	BIOFLOC FISH FARMING USING IOT TECHNOLOGY	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. RAVINDRA S Prof. GOPIKISHAN J	Mr. NAVEENA BS Mr. PREMSAGAR Y J Mr. PAVANKUMAR PRAKASH HUGAR Mr. VARUNGOWDA K P
296.	49S_BE_1042	MORSE CODE BASED SECURED AUTHENTICATION SYSTEM THROUGH ARTIFICIAL INTELLIGENCE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. HINA NAZNEEN	Ms. KEERTHANA A Ms. MAMATHA G A Ms. NANDITHA N
297.	49S_BE_2079	SMART URBAN TRAFFIC SYSTEM WITH EMERGENCY VEHICLE PRIORITIZATION AND EMISSION MONITORING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. ARCHANA BHAT	Ms. HAMSA C Ms. SWATHI R Ms. SOWMYA M Ms. VARALAKSHMI P
298.	49S_BE_5671	WEBSITE VULNERABILITY SCANNING SYSTEM USING PYTHON	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SUSHREE SOURAVI KAR	Mr. HARSHAVARDHAN M Mr. HEMANTH L Mr. DURGESH K Mr. HEMANTH RAJU N A
299.	49S_BE_6384	ENDMOMMORT-PREGNANCY CARE AND MATERNAL MORTALITY REDUCTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. TEJASWINI BN Mr. MAHADEVA PRASAD	Ms. SONAL SINGH M Ms. UZMA AZEEZ

44. COLLEGE OF HORTICULTURE, BAGALKOT

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
300.	49S_MSC_0226	STUDIES ON ESTIMATION OF HETEROSIS AND COMBINING ABILITY IN OKRA FOR YIELD AND YIELD RELATED TRAITS	M.Sc	VEGETABLE SCIENCE (AGRICULTURE/ HORTICULTURE SCIENCE)	Dr. VIJAYAKUMAR RATHOD	Ms. VIDYARANI J S
301.	49S_MSCAG_0002	STANDARDIZATION OF DYE EXTRACTION FROM WASTE FLOWERS AND ITS UTILIZATION IN HOLI POWDER	M.Sc (Agriculture)	FLORICULTURE AND LANDSCAPING	Dr. BALAJI S. KULKARNI	Ms. SUPREETA S. KULKARNI
302.	49S_MSC_0337	ASSESSMENT OF GENETIC VARIATION FOR MINERALS, METABOLITES, AND ANTIOXIDANT PROPERTIES OF MULTI-COLOURED CARROTS AND STABILITY ANALYSIS OF ELITE EUROPEAN CARROTS	M.Sc	GENETICS & PLANT BREEDING	Dr. SARVAMANGALA S. CHOLIN Dr. RAMANAGOUDA HADLAGERI	Mr. MADHAV KRISHNA M M

45. COLLEGE OF HORTICULTURE, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
303.	49S_MSC_0339	DEVELOPMENT OF ENDOPHYTE BIOFORMULATION FOR MANAGEMENT OF MANGO ANTHRACNOSE COLLETOTRICHUM GLOEOSPORIODES	M.Sc	PLANT PATHOLOGY	Dr. SANGEETA C G	Ms. SHRUTI SUDHIR POL
304.	49S_MSCAG_0003	PROCESS OPTIMIZATION FOR NUTRIENT RICH INSTANT VEGETABLE BLEND	M.Sc (Agriculture)	POSTHARVEST MANAGEMENT	Dr. VASUDEVA K R	Mr. MALLIKARJUNA KODABALA
305.	49S_MSCAG_0005	EXPLORING COST EFFECTIVE METHOD FOR PRODUCTION OF SAPOTA POWDER (MANILKARA ZAPOTA) AND INSTANT SAPOTA SMOOTHIE MIX	M.Sc (Agriculture)	POSTHARVEST MANAGEMENT	Dr. S. L. JAGADEESH	Ms. CHETANA D

46. COORG INSTITUTE OF TECHNOLOGY, KODAGU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
306.	49S_BE_5407	METAL DETECTION ROBOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. SUSHMA K R	Mr. LOCHAN N K Mr. ANANDHU ASHOK Mr. LOHITH S
307.	49S_BE_6827	SMART NOTICE BOARD WITH ESP8266	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. DECHAKKA M P	Mr. PREETHAM B Ms. KANNIKA Mr. PRAJWAL Y Mr. SUDEEP R

308.	49S_BE_5548	BLOOD GROUP DETECTION USING DEEP LEARNING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mrs. CHANDRIKA S M	Mr. TARUN R Mr. NANAIAH K G Ms. LIYA DECHAMMA M B Mr. VARUN R
------	-------------	---	------	--	--------------------	--

47. DAVANGERE UNIVERSITY, DAVANAGERE

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
309.	49S_MSC_0309	FABRICATION OF NOVEL NANO HYBRID VANADATE BASED BINDER FREE ELECTRODES FOR HIGH PERFORMANCE BATTERY AND SUPERCAPACITORS	M.Sc	CHEMISTRY	Prof. NAGASWARUPA H.P.	Ms. SHREYA M Y Ms. SHWETHA S P
310.	49S_MSC_0004	DEVELOPMENT OF AUTOMATED BODY SPRAY DISPENSING SYSTEM TRIGGERED BY HUMAN BIOMARKER SENSING	M.Sc	COMPUTER SCIENCE	Prof. CHANDRAKANT NAIKODI	Ms. MANASA J S
311.	49S_MSC_0009	ENHANCING FARMER DECISION-MAKING WITH A MULTIMODEL AI CHATBOT BY LEVERAGING CHATGPT AND DEEPSEEK APIS FOR KANNADA-LANGUAGE AGRICULTURAL SUPPORT	M.Sc	COMPUTER SCIENCE	Prof. CHANDRAKANT NAIKODI	Mr. BANAKAR VEERESH
312.	49S_MSC_0011	TRANSFORMING FARMING WITH VOICE AI ASSISTANT FOR KANNADA-SPEAKING FARMERS WITH LOW LITERACY	M.Sc	COMPUTER SCIENCE	Prof. CHANDRAKANT NAIKODI	Ms. KAVANA B M
313.	49S_MSC_0016	IOT-POWERED FOREST FIRE SURVEILLANCE AND EARLY ALERT SYSTEM	M.Sc	COMPUTER SCIENCE	Prof. CHANDRAKANT NAIKODI	Ms. BHAVANA S B
314.	49S_MSC_0001	AI SOLUTIONS FOR HEALTH RISK MAPPING IN RURAL PHCS NETWORKS	M.Sc	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. CHANDRAKANT NAIKODI	Ms. WINCY M

48. DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
315.	49S_BE_4521	6-PORT MIMO ANTENNA FOR 5G APPLICATIONS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SIDDALINGAPPAG OUDA BIRADAR	Ms. BHOOMIKA A Ms. CHETHANA K T Ms. DAKSHAYINI S Mr. LIKHITH KUMAR A
316.	49S_BE_5651	DESIGN AND IMPLEMENTATION OF SEMICONDUCTOR DEVICES FOR SRAM-BASED COMPUTE-IN-MEMORY ARCHITECTURES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. MALLIKARJUN P Y	Mr. RISHABH T R Mr. PRASANNA KUMAR C N Mr. SAGAR S AJJAPALAR Mr. SAMPATH SAJJAN
317.	49S_BE_5759	RASPBERRY PI-BASED AUTOMATED COLORIMETRIC SYSTEM FOR EARLY DETECTION OF CHRONIC KIDNEY DISEASE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. RAVIKUMAR H C	Mr. RAHUL S BAISANI Ms. LAXMI Ms. MADHAVI B Ms. NISARGA HK
318.	49S_BE_6113	SECURE DRIVE: INTELLIGENT VEHICLE PROTECTION AND SAFETY SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUMAIYA M N	Mr. ADARSH SURESH KHOT Mr. MOHAMAD ASIF Mr. ANIKET MAGADUM Mr. B H M SIDDESH
319.	49S_BE_0601	A NOVEL REAL TIME SYSTEM FOR TRANSLATING SIGN LANGUAGE INTO BRAILLE THROUGH TEXT INTERMEDIATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHALINI.S	Ms. VINUTHA H V Ms. SAI ANANYA J Ms. SHWETA Y BHAJANTRI Ms. TEJASHWINI V
320.	49S_BE_1376	GREENVOY: IMPLEMENTATION OF A SMART AMBULANCE ROUTING AND PATIENT HEALTH MONITORING SYSTEM USING GREEN AI AND IOT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHALINI.S	Ms. GEETHA SHREE R Ms. NEETHA JAIN Ms. ANUSHA P Ms. M YASASWINI
321.	49S_BE_4147	ARTIFICIAL INTELLIGENCE DRIVEN FEDERATED LEARNING FOR FRAUD DETECTION IN UPI TRANSACTIONS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. MANASA SANDEEP	Ms. REPAKULA THARUNI Ms. PANUGANTI SNIGDHA Ms. REEKANSHA PRAKASH Ms. RITHIKA S

322.	49S_BE_5935	SMART AR WARDROBE: IMPLEMENTATION OF REAL -TIME VIRTUAL TRY-ON SYSTEM USING AR AND AI	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. KAVYASHREE L	Mr. KARTIK SHARMA Mr. MAHALING C SARAPALI Mr. RISHAV RAJ Mr. P MIDHU CHANDANA
323.	49S_BE_6159	SMART PEST PREDICTION USING ARTIFICIAL INTELLIGENCE AND WEATHER DATA FOR ENHANCED AGRICULTURAL YIELD	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. DASARI BHULAKSHMI Dr. C NANDINI	Mr. KARTIK NARAYAN BHAT Ms. KURUDI NANDINI
324.	49S_BE_4242	GREEN COMPUTING ENERGY OPTIMIZATION STRATEGIES	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Dr. SUMITHRA DEVI K. A	Mr. GOKUL KUMAR S Mr. SHARAN KUMAR Mr. VIKAS N
325.	49S_BE_5146	AI-POWERED FRESHWATER FISH DISEASE DETECTION USING MOBILENETV2 AND GRAD-CAM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. RAGHAHA M S	Mr. MOHAMMED AMAAN H Ms. JYOTI K Mr. SYED MAJID SOHAIL Mr. MADHU N
326.	49S_BE_5714	AGENTIC AI SYSTEM FOR INTEGRATED TAX PLANNING, PORTFOLIO MANAGEMENT AND INVESTMENT ADVISORY	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. RAGHAHA M S	Mr. ROHAN JOSHI Mr. MUHAMMED ANAS Mr. VEDANTH MP Mr. TEJASWI PURUSHOTHAMA
327.	49S_BE_5787	KRISHIMITRA: AI DRIVEN MULTIMODAL FRAMEWORK FOR FRUITS CLASSIFICATION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SANDHYA N	Mr. TEJAS M Mr. BHARATH P N
328.	49S_BE_5821	INVEST.AI: ORCHESTRATED MULTI-AGENT INVESTMENT SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SANDHYA N	Mr. AYUSH KUMAR PODDAR Mr. ATUL MAYANK Mr. ADARSH SRINIVAS PRABHU Mr. G. DINESH KRISHAN
329.	49S_BE_6132	INVISION AI: AN EYE FOR THE BLIND	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mrs. AYAIN JOHN	Ms. RAKSHITHA S Mr. ARJUN HC Mr. DARSHAN U Mr. RAKSHITH BS

49. DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

Sl. No	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
330.	49S_BE_0239	QUIETCORRIDORS: INTELLIGENT NOISE ANALYTICS FOR HEALTHIER URBAN MOBILITY	B.E.	CIVIL ENGINEERING	Prof. SANJEEV T. P Mr. RAGHAVENDRA H N	Mr. CHIRANTH BS Mr. GAGAN KS Mr. AMITH DEVANAGOUDA BIRADAR Mr. ABHISHEK AINAPUR
331.	49S_BE_1634	EXPERIMENTAL STUDY ON SUSTAINABLE CONCRETE INCORPORATING AGRO-INDUSTRIAL WASTE AND RECLAIMED WATER	B.E.	CIVIL ENGINEERING	Dr. SUMESH M	Mr. OMKARAN M N Ms. PALLAVI Ms. MADHURAL M L Ms. NIVEDITA KITTALI
332.	49S_BE_3818	INVESTIGATION OF THE KEY BARRIERS HINDERING THE ACHIEVEMENT OF NET ZERO ENERGY BUILDINGS (NZEBS) IN INDIA	B.E.	CIVIL ENGINEERING	Prof. SHAHAJI PATIL	Ms. SWATHI SANJEEVA POOJARY Ms. YUVASHREE S Ms. VIJAYLAXMI S MUNOLI Mr. SUMANTH C
333.	49S_MTECH_0006	DESIGN AND VALIDATION OF A LOW-COST 3D-PRINTED SELF-HEALING CONCRETE USING MACHINE LEARNING TECHNIQUE	M.Tech	STRUCTURAL ENGINEERING	Prof. ASHWINI SATYANARAYAN A	Mr. MANOJ K N
334.	49S_MTECH_0010	EXPERIMENTAL AND IMAGE PROCESSING FRAMEWORK FOR EVALUATING DEFORMATION IN ELASTOMERIC BEARINGS UNDER STATIC COMPRESSION	M.Tech	STRUCTURAL ENGINEERING	Mrs. M MEGHASHREE	Ms. SAI PRANATHI R
335.	49S_BE_2717	COMPARATIVE INVESTIGATION AND DEVELOPMENT OF BATTERY ENCLOSURE FOR ELECTRIC VEHICLES	B.E.	AUTOMOBILE ENGINEERING	Dr. S JENORIS MUTHIYA	Mr. B K ANSH AIYAPPA Mr. ADITYA KN Ms. BEJAL JAIN Ms. NP SANIKA
336.	49S_BE_7074	EXPERIMENTAL ANALYSIS OF BIO-INSPIRED CORRUGATED AIRFOIL FOR UAVS	B.E.	AERONAUTICAL ENGINEERING	Dr. SANKARALINGA M L	Mr. D.S.HEMAN Mr. HEMACHANDRAN K Mr. RAM KISHOR Mr. MOHAMMED ADIL

337.	49S_BE_3505	NOVEL AND SUSTAINABLE TRANSFORMATION OF MARINE SHELL WASTE INTO THERAPEUTIC -GRADE CHITOSAN-CALCIUM CARBONATE HYDROGELS FOR REGENERATIVE AND WOUND- HEALING INNOVATIONS	B.E.	BIOTECHNOLOGY	Dr. PRADEEP H N Dr. MADHU A	Ms. YASHASWINI ARVIND Ms. M. DHAKSHEE Ms. PALYAM VARSHITHA ANAND Ms. VASUNDRA N
338.	49S_BE_1854	JAL TRACK - USING RADAR AND VISION TECHNOLOGY	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. ANUBHAV KUMAR PANDEY	Ms. MAHIMA S Ms. CHAITRA MITTIMANI Ms. MAITHRI N Ms. RASHMI METI
339.	49S_BE_2458	DESIGN AND DEVELOPMENT OF PULSE GENERATOR FOR PULSED ELECTRIC FIELD PASTEURIZATION OF JUICE SAMPLES	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. SUVETHA P S	Mr. DARSHAN M TIMALAPUR Ms. GAURI SRINIVAS Ms. HEMASADHA G Ms. HIFZA MOHAMMED
340.	49S_BE_2816	FOG-BASED BALANCED STATE- OF-CHARGE (BSOC) SCHEDULING FOR SMART EV WIRELESS CHARGING	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. SUGANTHI N	Mr. RAHUL NEELAKANTH KOLADURGI Mr. MS ABHISHEK Mr. SANDEEP BALAPPA SARAPURI Mr. SHASHANK SINDOGI
341.	49S_BE_1950	DESIGN AND ANALYSIS OF INFLATABLE WING UAV AND EFFECTS ON PERFORMANCE	B.E.	AERONAUTICAL ENGINEERING	Dr. PRATHIK JAIN S	Mr. HARSHAVARDHANA Mr. DHANUSH DRAVID C K Mr. RAGHAVENDRA S JADHAV Ms. TANUJA L
342.	49S_BE_4390	AUTONOMOUS PATH PLANNING FOR UAVS	B.E.	AERONAUTICAL ENGINEERING	Dr. RAMASESHAN SATAGOPAN	Ms. RISHIKA PRASAD K S Ms. GAYATRI MATTAPARTI Ms. SOUNDARYA M
343.	49S_BE_4491	DEVELOPMENT OF BIOINSPIRED LEADING-EDGE TUBERCLES FOR H-DARRIEUS VERTICAL AXIS WIND TURBINE	B.E.	AERONAUTICAL ENGINEERING	Dr. HAREESHA N G	Mr. SUMANTH. R Mr. ADITYA Ms. SUHA NAZNEEN Mr. ABHISHEK
344.	49S_BE_5020	LEAF TO LAB: FROM PLANT EXTRACT TO COBALT FERRATE NANOPARTICLES FOR THE DETECTION OF HYDROGEN SULFIDE GAS	B.E.	CHEMICAL ENGINEERING	Dr. DEEPA H A	Ms. RUQAYYA SADAF Mr. RAJEEV ADITHYAN Mr. DHANUSH N Ms. KOMAL MISHRA
345.	49S_BE_0136	SENSOR GLOVE SIGN LANGUAGE	B.E.	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	Prof. JAYANTH C Prof. SANTHOSH B	Mr. SHUBHAM KUMAR Ms. KAVYA GHONGDE Ms. KHUSHI SAXENA Mr. RITIK CHATTERJEE
346.	49S_BE_0138	DUAL AXIS SOLAR TRACKING SYSTEM FOR ENHANCED PHOTOVOLTAIC EFFICIENCY	B.E.	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	Dr. SANDEEP K V Dr. IFFATH FAWAD	Mr. ASMIT JHA Ms. ARCHI AHUJA Mr. BHAVESH KUMAR Mr. JAY MEHTA
347.	49S_BE_0142	SAR BASED DRONE FOR GROUND LEVEL REMOTE SENSING	B.E.	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	Dr. SMITHA SASI	Ms. C P SHREERAMYA Ms. BHAVYASHREE T R Ms. ESHWARI M Ms. DIVYA M S
348.	49S_BE_0151	MULTI-OPERATIONAL UAV FRAMEWORK FOR DELIVERY SERVICES AND NIGHT AERIAL MONITORING	B.E.	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	Dr. VINOD B DURDI	Ms. HARSHITHA A C Ms. CHANDRA PRIYA M Ms. DHANYASHREE P Mr. SIDDARTH SUDHAKARA
349.	49S_BE_2249	DESIGN AND IMPLEMENTATION OF 16-BIT VEDIC MULTIPLIER FOR FFT PROCESSING	B.E.	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	Prof. CHETAN UMADI Dr. SRIVIDYA B V	Ms. PRAJNA KATEEL Ms. HARSHITHA B Ms. K MIHIKA KIRAN Ms. VAISHNAVI S MIRASKER
350.	49S_BE_3332	INTELLIGENT FETAL HEALTH MONITORING BELT BASED ON IOT AND DEEP LEARNING	B.E.	ELECTRONICS AND INSTRUMENTATION ENGINEERING	Prof. ANJANA JOSHI	Ms. SUSHMA MANJUNATH NAIK Ms. MANISHA ROHIDAS YALAMALLE Mr. PRANAV M BHAT Mr. PARIKSHITH DAYAKAR K

351.	49S_BE_6409	NON-INVASIVE SMART PESTICIDE RESIDUE ANALYZER FOR FOOD SAFETY	B.E.	ELECTRONICS AND INSTRUMENTATION ENGINEERING	Dr. MEHARUNNISA BEGUM S. P.	Mr. HIMADRI K Ms. SPOORTHY B H Ms. SHREYA Mr. CHETHAN D
352.	49S_BE_4005	NEUROCORE: A PILOT STUDY ON CUSTOMIZED SOLE THERAPEUTIC DEVICE FOR PERIPHERAL NEUROPATHY WITH VIBRATION ACUPRESSURE, PHOTOBIO-MODULATION AND OXYGEN ENRICHMENT	B.E.	MEDICAL ELECTRONICS ENGINEERING	Dr. N.SRIRAAM Dr. S.HEMA PRIYADARSHINI	Mr. SHARAN.R Ms. PAVITHRA.M Ms. MYTHRI J Ms. SANGEETHA.H
353.	49S_BE_2435	SPIRITUAL AI: AGENTIC AI SYSTEM FOR HEALTHCARE GUIDANCE USING ANCIENT WISDOM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. D R RAMESH BABU	Mr. AMIT KUMAR SINGH Mr. ANKIT KUMAR Mr. ASHISH RANJAN Ms. A M TANUSHI
354.	49S_BE_4072	RAINCHECK: AN AI-DRIVEN LOCATION-BASED FEASIBILITY ASSESSMENT TOOL FOR ROOFTOP RAINWATER HARVESTING	B.E.	COMPUTER SCIENCE AND BUSINESS SYSTEMS	Dr. ARCHANA S NANDIBEWOR Prof. ANIL D	Mr. PRIYANSHU KUMAR SINHA Mr. PRASIDH KRISHNA Ms. SNEHA R Ms. TARU NAMDEO
355.	49S_BE_6314	PERSONALIZED LEARNING PATHWAYS (PLP) - HYBRID COURSE RECOMMENDATION SYSTEM	B.E.	COMPUTER SCIENCE AND BUSINESS SYSTEMS	Mr. ANIL D Dr. ARCHANA NANDIBEWOR	Ms. PRERANA V Ms. MILONI HALKATI Ms. PRAKRITI Mr. VIKRAM KRISHNA
356.	49S_BE_0520	INTELLIGENT ROUTE OPTIMIZATION FOR MULTI-MODAL TRANSPORT SYSTEMS	B.E.	COMPUTER SCIENCE AND DESIGN	Prof. POORNIMA D Dr. SHOBHA N	Mr. TANMAY R K Mr. DAVAN C REDDY Mr. KRISHNA CHAITHANYA S N Mr. SHISHIR SRIDHARA HEBBAR
357.	49S_BE_0740	FOOD WASTE MANAGEMENT AND DONATION PLATFORM	B.E.	COMPUTER SCIENCE AND DESIGN	Prof. NAYANA SHINDE Prof. POORNIMA D	Mr. RICHARD JOPHY Mr. K YASHWANT Ms. KAREN KT Ms. NIDHI SRIKANTH
358.	49S_BE_1007	NO CODE SAAS WEBSITE BUILDER	B.E.	COMPUTER SCIENCE AND DESIGN	Dr. SUMA V	Mr. SHASHANK PANDIT Ms. DISHA KABRA
359.	49S_BE_2344	ECOLOCALE: MAPPING AND IMPROVING URBAN GREEN SPACES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. ARUNA S	Ms. NIMISHA NAGESH BHARADWAJ Ms. PAHAL SRIVASTAVA Ms. RISHA M KEERTHI Ms. SHREYA MATTI RAO
360.	49S_BE_2375	POSTURECARE: A REAL-TIME CHROME EXTENSION FOR ERGONOMIC POSTURE CORRECTION AND WELLNESS MANAGEMENT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. ABHINAV R B	Ms. DEEKSHITHA D Ms. HAMSAPRIYA B A Ms. KANCHARLA GEETHIKA Ms. KEERTHANA S
361.	49S_BE_2734	MISSING PERSON DETECTION THROUGH FACIAL FEATURE RECOGNITION USING MEDIA PIPE'S FACE MESH	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SAMEIA SUHA	Mr. ARPIT SINGH Mr. ARYAN JAMWAL Mr. PANKAJ KUMAR Mr. ANKIT KUMAR SINGH
362.	49S_BE_4036	AI-ASSISTED RELIABLE HEALTHCARE DATA TRANSFER OVER GSM USING POLAR CODES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SHAHEDHADEEN NISA S	Ms. MANASA G GOWDA Mr. MANJESH N Mr. NITISH Y N Mr. PUNITH KUMAR H V
363.	49S_BE_2147	GITHUB PULL REQUEST ORCHESTRATOR: A MULTI-AGENT AUTOMATION FRAMEWORK	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. BHAGYASHREE KULKARNI	Ms. KEERTHI S Ms. K N KRUPASHREE Ms. ROHINI D Ms. S HARSHITHA
364.	49S_BE_2166	ATTYR - AI DRIVEN TAILORED TO YOU RECOMMENDATION	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. RAMESH PRASAD R Dr. K N RAMAMOHANBABU	Mr. Y V SAI SREE HARSHA Mr. TANMAY J POBBATHI Mr. SAMARTH S DESHPANDE Mr. S JOEL SATWIK AGNIHOTRA
365.	49S_BE_0719	CIVIC TWIN - AI POWERED GOVERNANCE DIGITAL TWIN USING MESA AGENT BASED MODELING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. SHALINI K B Dr. MADHURA J	Mr. LOCHAN T N Ms. CHANDANA G Ms. DISHA N G Ms. LAISIRI N M
366.	49S_BE_1478	EFFICIENT ML BASED PREDICTION AND PRICING MODEL FOR EFFECTIVE EV UTILIZATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. VAIDEHI M Dr. CHANDRAKALA B M	Ms. DEEKSHA K S Ms. AMISHA SINGH Ms. CHANDANA S Ms. HEMALATHA N K

367.	49S_BE_7059	ADVANCED TRAFFIC VIOLATION DETECTION WITH TESSERACT OCR USING YOLO V8	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. BINDU BHARGAVI S M	Ms. SHREYA M Ms. SHRAVYA H JAIN Mr. SANTUSHT ANAND Ms. YAMINI M KUMAR
368.	49S_BE_0031	AI-POWERED, RUBRIC-GENERATING STUDENT ASSESSMENT EVALUATION SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. ANUPAMA V	Mr. UDAYARAJ Ms. DISHA B L Mr. SHRIHARI KRISHNA KASBE Mr. SURYANSHU DHARGAVE
369.	49S_BE_0034	SPATIOTEMPORAL DEEP LEARNING FRAMEWORK FOR MULTI- SOURCE FLOOD INUNDATION MAPPING USING SAR AND OPTICAL DATA	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. DEEPSHREE BUCHADE Dr. B R MANJUNATH	Ms. KAJAL KUMARI Ms. KUSUM B S Ms. N NISHITA Ms. SAMRIDDHI SHARMA
370.	49S_BE_0036	AI-BASED LANDMARK DETECTION FOR CORRELATION OF UPPER PHARYNGEAL AIRWAY AND MANDIBULAR POSITION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. RAMYA K Dr. PRACHI KAMBLE	Mr. GURUNATHA GOUDA Mr. ABHAY VIJAY GOUDAR Mr. MOHITH GNANASHEKARAN ANAND Mr. PRATHAM BHAT
371.	49S_BE_0037	ARCHITECTURAL AI AGENT FOR AUTOMATED FLOOR PLAN GENERATION, COMPLIANCE VERIFICATION, AND MATERIAL ESTIMATION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. KAVYA D.N	Mr. SAQLAIN AHMED P Mr. MOHAMMED NOUMAN LUDHIYA Mr. DARSHAN NAIDU J Mr. NAVEEN ZILLE
372.	49S_BE_0039	AN AI-DRIVEN COPILOT FRAMEWORK FOR MULTI-SOURCE BUSINESS INTELLIGENCE INTEGRATION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. KAVYA D N	Ms. VUDAVAGANDLA LAKSHMI SRUTHI Ms. MINAKSHI KUMARI Mr. P DHEERAJ KUMAR Ms. YOSHITHA
373.	49S_BE_0112	ANTIBIOGRAM PREDICTION THROUGH GENOME ANALYSIS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. ENSTEIH SILVIA Prof. VAIBHAV SAWHNEY	Mr. KARTHIK S Mr. PRADHYUMAN SINGH SHEKHAWAT
374.	49S_BE_0355	SKILLSYNC: COMPETENCY MAPPING AND MEASURING THE SKILL GAP	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. ANUPAMA V P	Ms. SNEHA P PRATAP Ms. NAMRATHA Mr. T RAHUL PRABHU Mr. PUNITH G
375.	49S_BE_1368	AI POWERED DENTAL SCAN ANALYSIS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. RAMYA K Dr. DHARMESH H S	Ms. ABHITHA A BHAT Ms. PRATIKSHA Ms. PRUTHVI K S Mr. SUVEDH V
376.	49S_BE_0760	VOICE-DRIVEN FORENSIC SKETCH GENERATION USING OPENAI WHISPER AND STABLE DIFFUSION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. BHARATH BC Dr. MADHURA J	Ms. VANI B S Ms. SHRIRAKSHA Ms. SUNAINA BHAVE Ms. THANMAYI V S
377.	49S_BE_4653	DESIGN AND DEVELOPMENT OF 3D PRINTER FILAMENT EXTRUDER FOR MULTITYPE MATERIALS	B.E.	MECHANICAL ENGINEERING	Prof. RADHA HALAGANI	Mr. CK BEERALINGA Mr. ARUNKUMAR MS Mr. KARTHIKA P Mr. YESHWANTH M

50. DAYANANDA SAGAR UNIVERSITY, BENGALURU SOUTH

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
378.	49S_MSC_0263	PECTIN-BASED COLON-TARGETED NANOMICROFORMULATION CO-DELIVERING VITAMIN D AND PROBIOTIC FOR PRECISION THERAPY OF INFLAMMATORY BOWEL DISEASE(IBD).	M.Sc	BIOCHEMISTRY AND BIOTECHNOLOGY	Prof. JAYACHANDRA K Prof. SANTOSH K CHOUDHRI	Mr. HITHAISHI COLWIN V B Mr. ABHISHEK C
379.	49S_BE_0164	SMART LECTURE HALL SEAT DETECTION SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. MANJULA M Prof. CHANDRAKALA L	Ms. SANJANA.T Mr. M ABILASH Ms. THANYA U GANIGA Ms. SANJANA S
380.	49S_BE_0191	DUAL-LAYER PIEZOELECTRIC FLOOR TILE WITH IOT-BASED ENERGY GENERATION AND MONITORING SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SRIDHAR S K	Mr. RAJAVARMAN C B Mr. AMAAN MUSHTAQUE AHMED SAYED Ms. ANAGHA M KAMAT Ms. SRISTI A H

381.	49S_BE_2554	REAL-TIME UNDERGROUND VIBRATION DETECTION FOR BORDER INFILTRATION PREVENTION LEVERAGING AI AND WIRELESS EDGE SENSOR NETWORKS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SHILPA SUDHEENDRAN	Mr. SAI PRASAD HANDIGUND Mr. SANGAMESH Mr. SHASHANK SHIVANAND TELI Mr. SHRINIVASAGOUD J PATIL
382.	49S_BE_2555	SENIORCONNECT: A VOICE-ENABLED MOBILE PLATFORM WITH REGIONAL LANGUAGE SUPPORT FOR ELDERLY WELL-BEING AND GOVERNMENT SCHEME ADVISORY ACROSS INDIA.	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. MALA B A	Mr. RAGHAVENDRAGOUD J PATIL Mr. MOHAMMED AMIRUL AMAN Mr. PUNEETH S P Mr. RAJA MOHAMAD
383.	49S_BE_3577	AI-POWERED LEARNING PLATFORM FOR QUALITY EDUCATION IN UNDERSERVED REGIONS FOR SCHOOL TEACHERS AND STUDENTS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SAVITHA HIREMATH	Ms. D N PADMASHRI Ms. BOOMIKA B Ms. LAYA JAYAKUMAR Ms. REVATHI THAMENDRAN
384.	49S_BE_6509	INNOVATIVE HEALTHCARE TECHNOLOGY AI-BASED SMART BAND FOR ASTHMA PATIENT HEALTH MONITORING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. KAVYASHREE I PATTAN	Mr. YOGESH S Mr. MOHITH R Mr. VISHWAS C REDDY Mr. V SAI HEMANTH REDDY
385.	49S_BE_0538	AI AUDITOR- FAIRNESS, ROBUSTNESS AND HALLUCINATION	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. MONISH L Prof. MITHUN KUMAR	Ms. MAHI GUPTA Mr. VINURAJ VAMSHI Mr. KRITIK VASAN
386.	49S_BE_3579	A HYBRID QUANTUM-TRANSFORMER FRAMEWORK FOR SEVERITY GRADING AND ANALYSIS OF FETAL HEART ABNORMALITIES IN ULTRASOUND IMAGES	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. VINUTHA N	Ms. NISHAT N SHAHU Ms. KASALA BHAVANA Ms. LAKSHYA U REDDY Ms. TANYA GOPAL
387.	49S_BE_3993	INTELLIGENT AUSCULTATION SYSTEM WITH EDGE-DEPLOYED DEEP LEARNING FOR HEART MURMUR CLASSIFICATION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. VINUTHA N Prof. PRADEEP KUMAR K	Ms. DEEKSHITHA M Mr. UTPAL KUMAR Ms. GAYATRI GOVINDA SETTY Ms. KARA SWATHI
388.	49S_BE_5769	ENHANCING LEGAL ACCESSIBILITY FOR INDIAN CASE LAW RETRIEVAL	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SUGANDHA SAXENA Prof. BHUVANA MOHINI T N	Ms. POOJA N P Ms. M NANDINI Ms. RATHASTHA G D Ms. SAHANA PRIYA G

51. DON BOSCO INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
389.	49S_BE_4417	HANDS FREE SMART WHEELCHAIR WITH VOICE AND GESTURE CONTROL FOR USERS WITH DISABILITIES	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. R.ANGURAJA	Mr. HARSHA K P Mr. DARSHAN GOWDA L G Mr. SUMEDH UJJVALE Ms. BHAVANA L
390.	49S_BE_4606	SMART ROBOTIC ARM ON WHEELS:ESP32 IMPLEMENTATION WITH HAND GESTURE AND MOBILE INTERFACE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mrs. PADMASHREE V KULKARNI	Mr. SHREYAS N Mr. BHARATH B Mr. KARTHIK Mr. VINOD
391.	49S_BE_4933	TWO WAY COMMUNICATOR BETWEEN BLIND-DEAF-DUMB PERSON AND NORMAL PEOPLE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mrs. RAMYASHREE H P	Ms. VIDYASHREE B M Mr. LIKITH V Ms. RAJANI H P
392.	49S_BE_6117	SMART POULTRY FARM AUTOMATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. TEJASWINI M L Dr. ASHWATH NARAYANA B S	Ms. GEETHASHREE G Ms. ANANYA GOWDA R Ms. ASHRITHA A Ms. GUNASHREE G
393.	49S_BE_3489	FROM SOIL TO SHELF : REINVENTING FOOD TRACEABILITY WITH BLOCKCHAIN	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SAMEENA BANO Mr. MOHAMMED KALEEM	Ms. RAKSHITHA G M Ms. M R NIVEDITHA
394.	49S_BE_5384	DERMACARE: AI-DRIVEN SKIN DISEASE DETECTION AND SKINCARE RECOMMENDATION SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. USHA KIRANA S P	Ms. EBBALI PAVITHRA Mr. GOWRAV K M
395.	49S_BE_3783	AI VOICE ASSISTANT WITH ENHANCED SECURITY USING CNN, LSTM AND SVM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. R SIVAKUMAR Dr. SHANKAR GOWDA S R	Ms. BINDU KOTAN Ms. CANDIDA D SOUZA Ms. CHANDANA H Ms. KRUTHI YOGANANDA

396.	49S_BE_3862	AI-POWERED AUTOMATED CODE REVIEW AND DEBUGGING SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. WAHIDA BANU Dr. R. SIVAKUMAR	Mr. G J CHANDRSHEKAR GOWDA Mr. ANKUSH V Mr. DEEMANTH JYOTIRMAY P S Mr. DHRUVA KUMAR D
397.	49S_BE_4458	3D RECONSTRUCTION OF HUMAN ORGANS FROM MEDICAL IMAGES USING DEEPMEDIC CONVOLUTIONAL NEURAL NETWORK ALGORITHM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. R. SIVAKUMAR Dr. SHANKAR GOWDA S R	Mr. MOHITH KARTHIKEYA M Mr. MANJUNATH SAIDAPUR Mr. PRAJWAL H N Mr. MUNI SWAMY S
398.	49S_BE_1437	AI-DRIVEN DOCUMENT REPLICATION & CONTENT TRANSFORMATION SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. MANU K S Dr. RAKSHITHA C M	Mr. LAKSHMISH M DEVADIGA Mr. ANISH J N
399.	49S_BE_4240	ENHANCING LEARNER ENGAGEMENT IN DSA THROUGH ADAPTIVE LEARNING AND GAMIFICATION: THE NIRANTARA APPROACH	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. REKHA S Dr. RAKSHITHA C M	Ms. KSHAMA Ms. DISHA S DHARSHAN Ms. AISIRI B A

52. Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
400.	49S_MTECH_0025	INTEGRATION OF DEEP LEARNING AND FINITE ELEMENT ANALYSIS FOR DAMAGE DETECTION AND REHABILITATION ASSESSMENT OF RC ELEMENTS	M.Tech	STRUCTURAL ENGINEERING	Dr. ASHWINI L K	Mr. MANJUNATHA S
401.	49S_BE_4220	TRACK GUARD INTELLIGENT SAFETY UNIT	B.E.	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	Dr. PRAVEEN K B Mrs. KAMALA C	Ms. ANKITHA Mr. RAKSHITH S V Mr. SHANKAR BABU K C Mr. KUSHAL GOWDA M
402.	49S_BE_5294	DUSTIQ: IOT-ENABLED ENVIRONMENTAL SAFETY AND INTRUSION SURVEILLANCE USING SMART MICRO NODES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. GOWRISHANKAR S Prof. ASHA RANI K P	Ms. SHOBITHA B C Ms. ADITI SINGARAJIPURA Mr. CHETAN VEERANNA KAMMAR Mr. PRASANNA SHARANABASAPPA DINDI
403.	49S_BE_5963	SMART AGRI TO CONTROL PESTISIDES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. ASHA RANI K P Dr. GOWRISHANKAR S	Ms. DHANYA BHARADWAJ Mr. AKASH POTTI Mr. NISHAANT N UPADHIYAYA Mr. SHARAN REDDY M
404.	49S_BE_6668	MINDFULFLOW: AN AI-POWERED DIGITAL WELLNESS AND LIFESTYLE COMPANION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. ASHA RANI K P Dr. GOWRISHANKAR S	Mr. BENAK KISHAN J Mr. C DHANUSH Ms. BASAVESHWARI MALIPATIL Ms. AKSHATHA M D

53. Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY, KOLAR

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
405.	49S_BE_4130	WIRELESS ELECTRIC VEHICLE CHARGING STATION	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. SRIDEVI A	Mr. PRANAV RAGHAVAN C M Ms. SHRAVANI A GOWDA Mr. SRISHANTH K M Mr. UDAYARAJ K N
406.	49S_BE_4603	HARDWARE IMPLEMENTATION OF AN ARM-BASED MODULE FOR ECTOPIC BEAT DETECTION AND CLASSIFICATION USING DEEP LEARNING	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. NANDINI G N	Ms. ROSHITHASRI S Ms. VIDYASREE R Ms. PRIYA C Ms. ANJALI M
407.	49S_BE_6336	ASPIRO AI - AI POWERED COLLEGE MENTORSHIP AND CAREER GUIDANCE SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. MUKESH M	Ms. IQRA FARHEEN S Ms. LIKITHA D Ms. MAHER FATIMAH Ms. R HARIKA

408.	49S_BE_6041	GEAR INTEGRATED UNMANNED GROUND VEHICLE FOR REAL-TIME SURVEILLANCE	B.E.	MECHANICAL ENGINEERING	Dr. MOHAN KUMAR K	Mr. ROHITH S Mr. KAUSHIK KANTH P Mr. REVENTH R
------	-------------	--	------	------------------------	-------------------	--

54. EAST POINT COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
409.	49S_BE_2903	WEARABLE GLOVES THAT TRANSLATES SIGN LANGUAGE INTO TEXT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. JAYANTHI KUMARI T R	Ms. KANYAKUMARI K Ms. NAYANA K Ms. ANKITHA N Mr. KRISH KUMAR VERMA
410.	49S_BE_6303	GREEN ANTENNA TECHNOLOGY: ANTENNAS FROM PLANT-EXTRACT-BASED NANO-COPPER CONDUCTIVE INK	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. MANJUNATHA M Dr. YOGESH G S	Mr. VISHNU R Mr. VAMSHI K Mr. MANU S K
411.	49S_BE_1907	WAYWATCH A CROWD SOURCED - AI-ENABLED SMART ROAD MONITORING AND MAINTENANCE SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. KESAVAN M V	Mr. MOHAMMED SHABAAZ Mr. MONISH K Mr. DEENATHAYALAN M Ms. KEERTI K BOOSARADDI
412.	49S_BE_0994	HER HEALTH : AI- POWERED HEALTH COMPANION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. DIVYA U H	Ms. INDU SHREE SC Ms. DHARSHINI R Ms. KEERTHANA V Ms. KILARI BHAVANA
413.	49S_BE_4059	AUTOMATING HR WORKFLOWS: RESUME SCREENING AND ID CARD CREATION WITH UIPATH REFRAMEWORK	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. K PRASANTH	Ms. ADITHI HEBBAR M Ms. AISHWARYA M Ms. AKSHATHA G Ms. TANASHREE ALAND
414.	49S_BE_5191	BHARATH MEDICARE CARD: THE KEY TO YOUR MEDICAL HISTORY	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Dr. NANDA ASHWIN Dr. KOMALA CR	Mr. DEEPAK S Mr. VISHAL BHARADWAJ Ms. DEEKSHA N Ms. HARSHITHA M
415.	49S_BE_5260	PASSNEXUS: ETHICAL, TRANSPARENT, AND TRUSTLESS DIGITAL AUTHENTICATION	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Dr. KOMALA C R Dr. NANDA ASHWIN	Mr. YUVRAJ BHATT Mr. ASAM SAI SAMEER REDDY Mr. BODDEDA BHARGAV ROHIT Mr. KADAPALA BHARATH KUMAR REDDY
416.	49S_BE_0107	HUMAN BRAIN WAVES STUDY USING EEG AND DEEP LEARNING FOR EMOTION RECOGNITION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. TEJASWINI B Prof. MAMATHA G	Mr. NAVEEN KUMAR K Mr. MURALI S Mr. ROHITH S Mr. SHAMANTH N S
417.	49S_BE_0960	SMART HEALTH DIAGNOSTIC WITH AI-POWERED SECOND OPINION SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SINDHUJA .M Prof. TEJASWINI B	Ms. DHANALAKSHMI DS Ms. BHARGAVI POTADAR Ms. DHANALAKSHMI DS Ms. KEERTHANA MS

55. EAST WEST INSTITUTE OF TECHNOLOGY, BENGALURU

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
418.	49S_MBA_0205	AWARENESS ON SUSTAINABLE AGRICULTURE PRACTICES IN RURAL AREAS	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Prof. DEVARAJU N Prof. PAVITHRA B	Mr. KEERTHI BC Mr. PAVAN V Mr. ABHISHEK SM Ms. YASHASWINI M
419.	49S_BE_1759	SMART PRESSURE ELECTRONIC-MAT FOR SLEEP APNEA AND YOGA POSTURE DETECTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. BHAGYA	Ms. C H HARSHITHA Ms. AISHWARYA H S Ms. ASHWINI C R Ms. HITHASHREE J
420.	49S_BE_1999	DESIGN AND IMPLEMENTATION OF E-NOSE FOR DISEASE DETECTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SRINIVAS BABU P	Ms. HARSHITHA.G.M Ms. ARPITHA V M Ms. ESHWARI K
421.	49S_BE_3982	AI BASED SMART INDOOR AIR QUALITY PREDICTION AND MONITORING SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. MANJULA B B	Ms. SHAMAIL RASHA Ms. SONIA Y Ms. VISHAKHA S D Ms. SUHANA D
422.	49S_BE_4861	OPTIMISED VLSI DESIGN FOR REAL-TIME VIDEO EDGE DETECTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. S G HIREMATH	Mr. SUDEEP S B Mr. AKASH GOWDA K S Mr. SIDDESH D S Mr. VIKAS H M
423.	49S_BE_0531	DISEASE DETECTION OF PLANT LEAF USING IMAGE PROCESSING AND CNN WITH PREVENTIVE MEASURES	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. SMITHA P	Ms. BHOOMI BALEGAR Ms. DHANYA L ACHAR Ms. POORVITHA JAIN T P Ms. SRINIDHI

424.	49S_BE_1129	CREDIT CARD FRAUD DETECTION USING SOTA ML AND DEEP LEARNING ALGORITHMS	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. PRAKRUTHI G R	Mr. SRAJAN R AITHAL Mr. PREETHAM GOWDA M R Mr. SUJITH G Mr. VINAY S
425.	49S_BE_6511	IOT-BASED SMART BIOFLOC MONITORING SYSTEM FOR FISH FARMING USING MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SWATHI R Dr. RAJASHEKHAR S A	Mr. SURAJ L Mr. PRAVEEN T Ms. SHUBHA PN Mr. CHETAN
426.	49S_BE_1709	COMPUTERIZED COGNITIVE RETRAINING PROGRAM (CCRP) - PWA FOR CHILDREN WITH DISABILITIES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. VIDYA E V	Ms. ANUSHREE V Ms. AISHWARYA B R Ms. C K YOGESHWARI WADEYAR
427.	49S_BE_2331	AUTOMATIC STROKE RECOVERY RATE PRIDECTION SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. VIDYA E V	Mr. ADITHYA H S Ms. ALFIYA A T Mr. BHARATH A
428.	49S_BE_4785	REMOTE SURVEILLANCE FOR DETECTING OBJECTS ON THE RAILWAY TRACKS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SOWMYA B	Ms. AKSHATHA H K Ms. DEEKSHITHA T Ms. DEVIKA S Ms. GANAVI D
429.	49S_BE_4958	EPILEPTIC SEIZURE DETECTION IN EEG SIGNALS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SUNANDA VK	Ms. PALLAVI M Ms. LAKSHMI HS Ms. MONIKA D Mr. SHARAN BASU
430.	49S_BE_0192	HALENGINE: A HIGH-LEVEL PROGRAMMING LANGUAGE	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SMITHA P	Ms. RESHMA HEGDE Ms. N HARSHITHA Ms. NISARGA K
431.	49S_BE_0213	WSN 6G DEVICE TO DEVICE COMMUNICATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. ANJANA H S	Ms. KSHAMA S Mr. TARUN S Mr. ABHINANDAN A S Mr. DILEEP PM
432.	49S_BE_0246	CYPHER: AN INDEPENDENT LINUX-BASED OPERATING SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. ASHWINI R	Mr. VENKATESHWARAN S Mr. YASHWANTH RAO H Mr. SANJAY G K Mr. MANOJ S
433.	49S_BE_0747	UPI FRAUD DETECTION USING MACHINE LEARNING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. RAJA M	Ms. DEEKSHITHA N Ms. BINDU K Mr. GURU MURTHY R
434.	49S_BE_1840	SMART ROAD SYNC FOR DYNAMIC TRAFFIC MANAGEMENT	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SHRUTHI T.V	Ms. BANASHREE.D.N Ms. LIKHITHA T S Ms. ABHISHREE.N Ms. CHANDANA P O
435.	49S_BE_2298	TEXT TO VIDEO GENERATION USING NATURAL LANGUAGE PROCESSING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. VIDHYA K	Mr. BHARATH KUMAR Mr. BHARATH K Ms. CHAITHANYA B R
436.	49S_BE_6774	DIVE GUARD: IOT BASED HEALTH MONITORING SYSTEM FOR SCUBA DIVERS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. S VINAYAK	Ms. RAKSHA A Ms. PRAGNA P BIRADAR Ms. PALLAVI B A Mr. UJWAL RAMAKRISHNA
437.	49S_BE_1127	INTERSECTION ALERT SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. KAVITHA AS	Ms. ANUSHREE U Ms. ANUSHA A Ms. KRITIKA SHRIDHAR NAIK

56. ENERGY INSTITUTE, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
438.	49S_MTECH_0004	DESIGN AND DEVELOPMENT OF STAND STILL OMNIDIRECTIONAL WIND TURBINE	M.Tech	RENEWABLE ENERGY	Dr. ROOPA MANJUNATHA	Mr. MURARI SARATH CHANDRA

57. G. MADEGOWDA INSTITUTE OF TECHNOLOGY, MADDUR

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
439.	49S_BE_6557	LOW-COST ENERGY AND WATER RECOVERY MODEL USING RAINWATER DRAINAGE SYSTEM	B.E.	CIVIL ENGINEERING	Dr. VIDYA.B R	Ms. SOUNDARYA.C Ms. AKSHATHA.R Ms. SINCHANA A R Mr. PRASHANTH D.H
440.	49S_BE_5273	DESIGN AND DEVELOPMENT OF COST-EFFECTIVE SOLAR POWERED ELECTRIC BIKE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. SUMITHA C Mr. RAVI KUMAR K N	Ms. R RAKSHITHA Mr. SACHIN KUMAR N P Mr. MARUTHI R T
441.	49S_BE_6496	AUTOMATIC FACE RECOGNISATION FOR HUMAN SKELETON REMAINS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. NUTHAN A C Mrs. SHRUTHI V	Ms. SINCHANA.S Ms. SOUNDARYA M Ms. SWATHI N Ms. SANJANA B

442.	49S_BE_6091	NETWORK INTRUSION DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. DIVYARANI S Y Dr. SUMITHA C	Ms. SINCHANA T S Ms. VARSHITHA V Ms. TEJASWINI H R Mr. MADAN C S
443.	49S_BE_6470	THIRDEYE FORENSIC FACE SKETCH CONSTRUCTION AND RECOGNITION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SHWETHA L Prof. PALLAVI R	Ms. CHAITHANYA B S Ms. SUCHITHRA B S Ms. BHAVYA R Ms. DEEPASHREE
444.	49S_BE_6471	DETECTION OF ONLINE SPREAD TERRORISM USING WEB DATA MINING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. MADHUSHREE Dr. SUMITHA C	Mr. MONISH M K Mr. CHIDAMBARA L D Mr. MARISWAMY U Mr. VIKAS S
445.	49S_BE_6656	DEEP LEARNING BASED BIDIRECTIONAL INTERFACE FOR SPOKEN AND SIGNED COMMUNICATION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SUMITHA C Prof. SHRUTHI V	Ms. TEJASWINI B P Ms. HARSHITHA C Ms. SANJANA M
446.	49S_BE_5063	DESIGN AND DEVELOPMENT OF R C PLANE	B.E.	MECHANICAL ENGINEERING	Dr. RAJATH H G Mr. UMESHA B C	Mr. CHIDANANDA B R Mr. ARUNKUMAR B R Mr. MANOJ RAJ A N
447.	49S_BE_5575	DESIGN AND FABRICATION OF MULTIPURPOSE WHEEL CHAIR	B.E.	MECHANICAL ENGINEERING	Dr. DR. NARAYANASWAMY K M Mr. SUDHIR B S	Ms. SANGEETHA M Ms. SINCHANA M S Mr. AKSHAY KUMAR

58. G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
448.	49S_BE_1238	LORA AGRI: SMART AGRICULTURAL AUTOMATION AND SECURITY SYSTEM WITH RENEWABLE ENERGY INTEGRATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. VEENA H T	Ms. SHAISTA JABEEN K S Ms. SUHANA F KANAMANI Ms. SANIYA
449.	49S_BE_1861	CARBON SENSE: SMART VEHICLE EMISSION MONITORING SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. CHETAN B V	Ms. SHREYA U C Ms. SANJANA G N Ms. SANJANA G S Ms. VANISHREE C S
450.	49S_BE_4327	ECO FRIENDLY GENERATE ELECTRICITY BY USING WASTE MATERIAL	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. SUCHARITHA S D	Mr. SHESHADRI B T Mr. SACHIN H A Mr. TEJAS R
451.	49S_BE_4589	DESIGN OF LOW POWER OPERATIONAL AMPLIFIER FOR BIOMEDICAL APPLICATIONS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. DEEPIKA V B	Mr. SANTOSH C K Mr. PRABHUDEV B A Mr. SANJEEV V S Mr. SIDDESH M M
452.	49S_BE_5050	SOLAR POWERED SMART WEARABLE FOR CONTINUOUS HEALTH MONITORING	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. PRADEEP T M	Ms. NISARGA V S Ms. NIKHITHA K G Ms. PRIYA S N
453.	49S_BE_1463	DEVELOPMENT OF A COST-EFFECTIVE LOWER LIMB EXOSKELETON FOR MOBILITY SUPPORT	B.E.	ROBOTICS AND AUTOMATION	Dr. MUDASAR PASHA B A	Ms. S DEEPTHI Ms. MEENAKSHI V B Ms. UMEMANTASMEA K Mr. PAVANAKUMARA M P
454.	49S_BE_2900	SMART NEURO MOBILE EEG BASED BRAIN COMPUTER INTERFACE FOR VEHICLE CONTROL	B.E.	ROBOTICS AND AUTOMATION	Mr. LINGARAJU	Mr. VIKAS M DOKKER Ms. SPOORTHY S NANDI Ms. PRATHIKA G H Mr. PRAJWAL P H
455.	49S_BE_1618	AI-POWERED JOB RECOMMENDATION AND CAREER ASSISTANCE SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. NIVEDITHA T NAIK Mrs. SUPRIYA M K	Ms. DEEPA G R Ms. ANUSHA M Ms. DEEPA A Ms. LAXMI R K
456.	49S_BE_3142	FEMAURA-AN APPROACH ON POLYCYSTIC OVARY SYNDROME DETECTION USING DEEP LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. NAYANA K	Ms. MAMATHA C H Ms. KAVANA M Ms. KHUSHI GUJJAR N
457.	49S_BE_0526	MYOELECTRIC ARM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. NISHA K	Mr. PREETHAM K M Ms. MEGHANA H L Ms. BHANUSHREE R Mr. SHASHANK M R
458.	49S_BE_2989	RANSOMWARE MITIGATION VIA ADAPTIVE MACHINE LEARNING AND MULTI LAYERED MONITORING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. ANANYA PATEL G P	Mr. ADITYA V WALI Mr. ADITYA MALAGI Mr. CHIRAG B P Mr. JEEVAN P SANKANAGODAR
459.	49S_BE_5243	PLANT CARE DISEASE PREDICTION ALONG WITH REMEDIES USING MACHINE LEARNING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mrs. CHAITRA A Ms. KAVYA K N	Mr. AMOGH K B Mr. BASAVARAJA R YALAGACHIN Mr. PAVAN KUMAR M L Mr. HARSHITH S
460.	49S_BE_5167	INTELLIGENT DERMATOLOGY ASSISTANT-AI BASED DIAGNOSIS AND MEDICINE SUGGESTION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Ms. JAYALAKSHMI M Ms. KAVYA K N	Ms. SUMANA P Ms. RAMYA G S Ms. SHRUSTI V M Ms. SAHANA M

461.	49S_BE_4946	WHEAT LEAF DISEASE DIAGNOSIS SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Ms. JAYALAKSHMI M	Ms. SHIREESHA Y A Ms. VANSHIKA B R Ms. SHREYA C N
462.	49S_BE_6906	DECENTRALIZED VOTING SYSTEM USING BLOCKCHAIN	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. PRAVEEN R Mr. MOHAMEED ZEESHAN	Mr. VIVEK P Mr. PRERAN K A Mr. VARUN KUMAR L Mr. SUDEEP M H
463.	49S_BE_5186	TRAFFIC SIGN BOARD RECOGNITION USING MACHINE LEARNING AND DEEP LEARNING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mrs. SHILPA R N	Ms. T SINCHANA Ms. SHWETA BASANAGOUDA DODDAGOUDAR Ms. SUMA H S Ms. PRAGNYA ANAND OBLAPPANAVAR
464.	49S_BE_6953	AI BASED SALES DATA ANALYSIS FOR OPTIMIZING INVENTORY	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mrs. AKSHATHA A M S Ms. DEEPA L	Mr. SHIVAPRASAD H Mr. SANTHOSH S Ms. KRUTHI N R Mr. SUPRITH PATIL G C
465.	49S_BE_5543	INTELLIGENT FINANCE DASHBOARD USING NEXT.JS, GEMINI AI, AND MODERN FULL-STACK TECHNOLOGIES	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mrs. AKSHATHA A M S	Mr. ADITYA G BYADGI Mr. NAVEEN P R Mr. DEVRAJ PATIL Mr. AKASH B H

59. G.M. UNIVERSITY, DAVANGERE

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
466.	49S_MBA_0228	ECO-FLO DAVANGERE: - A VACUUM-ASSISTED PIPELINE MODEL FOR EFFICIENT KITCHEN WASTE-TO-BIOGAS CONVERSION	M.B.A	BUSINESS ANALYTICS	Dr. JAGADESWARI K Dr. DARSHAN B N	Ms. SAKSHI R AWATE Mr. PRAJWAL K S Ms. SANJANA NIKKAM
467.	49S_MBA_0138	IMPROVING EFFICIENCY OF BIOMEDICAL WASTE DISPOSAL USING DATA-DRIVEN METHODS: A LOW-COST DIGITAL MODEL FOR SMALL AND MEDIUM HEALTHCARE INSTITUTIONS IN DAVANGERE	M.B.A	FINANCE MANAGEMENT AND BUSINESS ANALYTICS	Dr. K JAGADESWARI Dr. SHREESHAILA P VIJAYAPUR	Mr. NARENDRA GADAD
468.	49S_MBA_0144	BUSINESS MODEL INNOVATION FOR AGRICULTURAL RECARBONISATION: A SUSTAINABLE APPROACH FOR RURAL KARNATAKA	M.B.A	FINANCE MANAGEMENT AND BUSINESS ANALYTICS	Dr. KEERTHI S Dr. PRADEEP M J	Mr. GURURAJ MALIPATIL Mr. HONNAPPA RAMAPPA TALAWAR Mr. DINESH M Mr. NANDAN N

60. G.S.S.S. INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, MYSURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
469.	49S_BE_2086	DESIGN AND DEVELOPMENT OF 3D PRINTED EMG CONTROLLED PROSTHETIC ARM	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mrs. APOORVASHREE H L	Ms. DAMINI SANDEEP VAIDYA Ms. KEERTHANA G Ms. NANDITA C Ms. BHAVANI D J
470.	49S_BE_2144	INVESTIGATION OF COLD PLASMA INTERACTION WITH POACEAE SEEDS: ANALYTICAL APPROACHES AND AGRICULTURAL IMPLEMENTATION FOR SUSTAINABLE DEVELOPMENT	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. JAGADISHA N	Ms. AAKANKSHA R Ms. KALASHREE G BHANDARE Ms. AKSHATHA S M Ms. JEEVITHA A R
471.	49S_BE_4629	LANDSLIDE DETECTION SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. BASAVANNA M	Ms. KAVYA A S Ms. BHOMIKA H S Ms. DEEPIKA T Ms. DIVYASHREE B M
472.	49S_MBA_0036	CSR AS A TOOL FOR RURAL DEVELOPMENT IN INDIA	M.B.A	FINANCE, MARKETING AND HUMAN RESOURCES	Dr. U.S.D SWERNALEKA	Ms. CHANDANA R Ms. BINDUSHREE K C Ms. ANUSHA H K Ms. DIVYA M U
473.	49S_BE_3056	AI POWERED PRICE COMPARISON APPLICATION	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. ROOPASHREE H R	Ms. PRIYA RAVINDRA MANE Ms. STUTHI S SEEBA Ms. SHASHIKALA S Ms. YASHASWINI P
474.	49S_BE_1940	AI - POWERED OMR EVALUATOR	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. MARIA RUFINA P	Ms. KUSHI B G Ms. LAKSHMI JAIN S B Ms. MADHOOLIKA T K
475.	49S_BE_2025	AI BASED OFFLINE BRAILLE BOOK AUDIO NARRATOR	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. NISCHITHA B S	Ms. ANAM IRFAN Ms. ANAGHA Ms. ARENA ZUMUR Ms. K S NAMRATHA

476.	49S_BE_3681	STUDENT'S CATEGORIZATION BASED ON THEIR INTERNAL ASSESSMENT.	B.E.	COMPUTER SCIENCE AND ENGINEERING (AI & ML)	Mrs. GEETHA A L Mrs. SUMANA	Ms. JYOTHI LAKSHMI B S Ms. ARPITHA P Ms. SINCHANA N Ms. SONIKA P
477.	49S_BE_4404	NEURAL SIGNATURES OF DISTURBED DREAMS: AN EEG-BASED APPROACH FOR DETECTION AND ASSISTED DIAGNOSIS FOR NIGHTMARE DISORDER	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. NISCHITHA B S	Ms. PAVANA P KARANTH Ms. AMOOLYA S Ms. MADHURA R Ms. SAFEYA ZAWATH ZAKIR
478.	49S_BE_2385	BLOCKCHAIN-BASED BIOMETRIC VOTING SYSTEM USING FACE AND FINGERPRINT AUTHENTICATION FOR SECURE AND TRANSPARENT ELECTIONS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. GIRISH SC	Ms. SUSHMITHA C Ms. AMOOLYA S Ms. PRIYA B R Ms. SRUJANA S

61. GARDEN CITY UNIVERSITY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
479.	49S_MSC_0081	COLORIMETRIC DETECTION OF DIMETHOATE PESTICIDE BY SYNTHESIS OF SILVER NANOPARTICLES USING LEAF EXTRACT OF ARGEMONE MEXICANA	M.Sc	FORENSIC SCIENCE	Dr. ETHIRAJ J Mr. RAKESH V	Mr. JYOTHISHWAR REDDY Ms. AKHILA.S
480.	49S_MSC_0183	PECTIN-ENHANCED RECYCLED TISSUE PAPER: A SUSTAINABLE GREEN TECHNOLOGY AS AN ALTERNATIVE TO VIRGIN PULP FOR THE MODERN PAPER INDUSTRY	M.Sc	BIOCHEMISTRY	Dr. PREETHI RAJESH	Ms. PRAKRUTHI V R Ms. DEEPIKA K A
481.	49S_MSC_0313	DEVELOPMENT OF GREEN PACKAGING MATERIALS FOR FOOD INDUSTRY FROM PROPOLIS, A BYPRODUCT FROM BEEKEEPING	M.Sc	LIFE SCIENCES	Dr. CHETHANA V CHALAPATHY Dr. SHRUTI AWASTHI	Ms. NUTHANA JAIN V Ms. MONISHA T Ms. ANKITHA PRABHU
482.	49S_MBA_0049	VIRTUAL TRIBAL TOURISM BUSINESS MODEL: INTEGRATION OF SOCIAL MEDIA AND DAILY TRIBAL ACTIVITIES FOR TRIBAL CULTURE POPULARIZATION AND MONETIZATION	M.B.A	BUSINESS ANALYTICS AND MARKETING	Dr. SAKSHI SAXENA Dr. SUDHAGAR	Mr. JAYANTH T Mr. SREEHARI S Mr. KRISHNA SAI Mr. R MATHEW NISHANTH
483.	49S_BE_3250	AI-POWERED E-COMMERCE MARKETPLACE FOR SELF-HELP GROUPS (SHGS)	B.E.	COMMERCE AND MANAGEMENT	Ms. ANUMITA CHAUDHURY Dr. SAKSHI SAXENA	Ms. GOUTHAMI C Ms. ADITHYA NAIR Ms. PINKY GUPTA S
484.	49S_MSC_0136	PORTABLE ANATOMY LEARNING AND PROTOTYPING WORKBENCH FOR ENHANCED SKILL TRAINING IN MEDICAL AND ALLIED HEALTH EDUCATION.	M.Sc	LIFE SCIENCES	Ms. N. SANDHYA	Ms. MOUNASHREE M Mr. ALLWIN BARNABAS D Ms. SHWETHA JAI J
485.	49S_MSC_0159	LIFE CYCLE ASSESSMENT AND CARBON FOOTPRINT MODELLING OF SEED COTTON PRODUCTION IN KARNATAKA AGRO-CLIMATIC ZONES.	M.Sc	FASHION AND APPAREL DESIGN	Dr. SELVADASS	Ms. LAVANYA S Ms. JEYA SREE B
486.	49S_MBA_0050	AGRICULTURE COSTING AND PROFITABILITY COMPUTATION USING DATA SCIENCE MODELS AND DEVELOPMENT OF PREDECTIVE MODELS FOR COST REDUCTION AND PROFITABILITY MAXIMIZATION	M.B.A	FINANCE AND HUMAN RESOURCE	Dr. AKANKSHA DUBEY Dr. P. SUDHAGAR	Ms. DIVYA SHREE.M Ms. RAHANA RAJ Mr. JEROME C Mr. K AKASH
487.	49S_MSC_0078	A LOW-COST MULTIPARAMETRIC PAPER-BASED DEVICE FOR SCREENING COUNTERFEIT GASTRIC MEDICINES	M.Sc	BIOTECHNOLOGY	Dr. VANITHA KRISHNA SUBBAIAH Dr. RAMACHANDRA PRASAD L A	Ms. KEERTHANA C R Ms. DEVSMITA Mr. M. JAYATHIRTHAN Mr. C. CHARAN KUMAR
488.	49S_MSC_0104	COMMUNITY-BASED SCREENING MODEL FOR FALL RISK ASSESSMENT IN ELDERLY USING SIMPLE FUNCTIONAL TESTS	M.Sc	BIOTECHNOLOGY	Dr. ARNOLD NIKHILESH	Mr. STENY VISHAL Ms. CHAKKA GAYATRI
489.	49S_MSC_0161	ENHANCING CONCRETE DURABILITY BY BACTERIAL BIOMINERALIZATION TECHNOLOGY	M.Sc	BIOTECHNOLOGY	Prof. ANJANA MENON KUTTIPURATH	Ms. AKSHAYA GM Ms. NALAMALA NAGA NAVYA
490.	49S_MSC_0214	INTEGRATED MYCORRHIZAL NETWORK TECHNOLOGY FOR SUSTAINABLE DRYLAND AGRICULTURE IN KARNATAKA	M.Sc	MICROBIOLOGY	Mr. ASHRITH KUMAR A Ms. SHIMLA G	Ms. MONISHA T Ms. NUTHANA JAIN V

491.	49S_MSC_0102	PSYCHOLOGICAL PREDICTORS OF ONLINE FRAUD SUSCEPTIBILITY: DEVELOPMENT OF A BEHAVIOURAL SCORING MODEL WITH AI-READY FRAMEWORK	M.Sc	PSYCHOLOGY	Mrs. TEJO PRASANNA M.V.	Ms. RIA SINGH Ms. MALAVIKA BAALAKRISHNNAN
492.	49S_MCA_0195	DERMATONET: A TRANSFER LEARNING FRAMEWORK FOR AUTOMATED SKIN LESION CLASSIFICATION.	M.C.A.	COMPUTER APPLICATIONS	Prof. KUSHAL B S	Ms. PREETHU S Mr. ERRISWAMY S C Ms. POORNIMA G R Ms. CHANDANA M S
493.	49S_BE_4307	ECO-PAPER FROM COW DUNG: EMPOWERING RURAL COMMUNITIES THROUGH GREEN ENTERPRISE	B.E.	COMPUTER SCIENCE	Ms. MANASA K N Ms. D. ANUROOPA	Mr. BASAVARAJ R MUNAVALLI Ms. KIRAN V Ms. PM VEERESH Mr. AMARGOUDA PATIL
494.	49S_BE_3770	IOT-ENABLED SMART USB CHARGER WITH PREDICTIVE THERMAL PROTECTION AND REAL-TIME MONITORING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. YESHODAMMA S	Mr. SUDHARSHAN S Ms. SOWMIYA R Ms. RUQAIYA FATHIMA Ms. DEEPTHI D N
495.	49S_BE_4152	BMTC LIVE: REAL-TIME BMTC BUS TRACKING &PREDICTIVE ARRIVAL SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. PROF.CHINTA INDIRA DEVI Dr. DR.RAMA CHANDRA PRASAD L. A	Ms. PRAPATHI S JAIN Mr. ESWAR NALAMALA Mr. RIDO NANU Mr. MOHAMMED ANAS GAIMA
496.	49S_BE_4382	ENUMERATION AND POST-ENUMERATION ATTACK ON ACTIVE DIRECTORY AND THEIR DETECTION USING LOG CORELATION METHOD	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. K. A. NAVEEN KUMAR Prof. REKHA K	Mr. PRAJWAL L CHAWDA Mr. NITESH KUMAR B S Ms. KAVYA G R Mr. CHANDAN KUMAR S
497.	49S_BE_5654	ASSESSMENT AND IMPROVEMENT OF DIGITAL LITERACY AMONG RURAL YOUTH THROUGH A COMMUNITY-BASED AWARENESS PROGRAM	B.E.	DATA SCIENCE	Prof. INDRAJA L M	Ms. GEETHA K JIGALURU Ms. BHAGYA S HELAWAR
498.	49S_BE_3166	BIO-COMPATIBLE QUANTUM DOT AND THEIR APPLICATIONS IN BIOSENSORS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. KAVYA H M	Ms. POOJA V Ms. DHANYASHREE N R Mr. SATYAM SHUKLA Mr. NISHCHAY RAJ
499.	49S_MSC_0117	ML-OPTIMIZED NEEM-TULSI REPELLENTS FOR KARNATAKA DENGUE CONTROL: DOCKING, QSAR AND FIELD TRIALS	M.Sc	BIOINFORMATICS	Dr. CHEMMUGIL Dr. SHANMUGA PRIYA	Mr. MUBARAK.S Ms. JANET JESSICA.A
500.	49S_MSC_0295	AI-DRIVEN CANCER CELL SIMULATION PLATFORM FOR IN SILICO DRUG TESTING AND PERSONALIZED ONCOLOGY	M.Sc	BIOTECHNOLOGY	Dr. L.A.RAMA CHANDRA PRASAD Dr. VANITHA KRISHNA SUBBIAH	Mr. ABHISHEK S R Mr. NITISH KUMAR R
501.	49S_MCA_0192	IOT-BASED SMART SOLAR POWER MANAGEMENT AND LOAD CONTROL SYSTEM	M.C.A.	DATA SCIENCE AND ANALYTICS	Prof. K.VIDHYA	Ms. AISHWARYA M R Ms. PRASANNA LAKSHMI M Ms. MANASA S
502.	49S_BE_4275	SMART TOURIST SAFETY MONITORING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. GIREESHA. B	Mr. G. BHANU TEJA REDDY Mr. RUDRIK JOSHI Mr. PRAJWAL M Mr. ADITHYAN D
503.	49S_MCA_0178	VOICE BASED MEDICAL ASSISTANT FOR RURAL HEALTHCARE	M.C.A.	COMPUTER APPLICATIONS	Mrs. E.JANSIRANI Mrs. NEHAKUMARI	Mr. SIBI JAIDAN B S Mr. PHILIP JOHN PEREIRA Mr. MOHAMMED MAHROUF

62. GITAM SCHOOL OF TECHNOLOGY, BENGALURU RURAL

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
504.	49S_BE_6462	HASIRU KARNATAKA - VLSI ECO SMART SORTING SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. M ARUN KUMAR Dr. JEEVAN K M	Ms. T KAVYA Ms. K VARSHITHA Ms. D VEERANJALI Ms. G VANDANA
505.	49S_BE_6454	5G-ENABLED SMART HELMET: FOR SAFETY AND MONITORING SYSTEM FOR MSME INDUSTRIAL WORKFORCE	B.E.	ELECTRICAL, ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. RAMESHA M	Mr. T. OMKAR Mr. M. KARTHIK Mr. A. CHARAN RAJ
506.	49S_BE_6842	LOW-COST EV VEHICLE FOR WOMEN AND ELDERLY PERSON	B.E.	MECHANICAL ENGINEERING	Dr. PRAVEEN KUMAR M V Dr. RAJA SEKHAR SINGAMPALLI	Mr. DEVEGOWDA M H Mr. G ANJAN Mr. KANCHARLA HIMACHANDU Mr. VANKARA TEJAS VAMSI

63. GLOBAL ACADEMY OF TECHNOLOGY, BENGALURU

Sl. No	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
507.	49S_BE_4502	ROAD SAFETY AUDIT FOR OPERATION AND MAINTENANCE STAGE FROM JP NAGAR METRO SIGNAL TO NAYANDAHALLI METRO STATION	B.E.	CIVIL ENGINEERING	Prof. RAKSHITHA S	Ms. ANUSHA V NAIK Ms. SPOORTHIN
508.	49S_BE_4887	IOT BASED WATER QUALITY ANALYSIS AND FISH SPECIES DETECTION USING DEEP LEARNING	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. SRINIVASAN SUNDARA RAJAN	Mr. SHAMANTH R Ms. KHUSHEE SARAF Mr. NIHAR S Ms. SONU V
509.	49S_BE_6600	OXIDATION STUDIES ON SIC-TIB2-ZRB2 ULTRA HIGH TEMPERATURE MATERIALS USING SHOCK TUBE FOR RE-ENTRY APPLICATION	B.E.	AERONAUTICAL ENGINEERING	Dr. TAMILSELVAM NALLUSWAMY	Ms. SHAKTHI BHAVNA B Ms. THANUSHREE HV Ms. PALLAVI M Ms. HARSHADA SIDDIAH
510.	49S_MBA_0109	NAMMA NEERSETU - ROAD RUNOFF DIVERSION AND RECHARGE LINKAGE SYSTEM FOR CONNECTING URBAN STREETS TO NEARBY PONDS IN BENGALURU	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. NANTHINI M Prof. CHANDRIKA C	Mr. DHANUSH L Ms. KAJAL A. JAIN Mr. AKSHAY NAVADA Ms. S. CHANDANA
511.	49S_BE_3238	STM32 BASED INDUSTRIAL SMART CONTROL PANEL AND PREDICTIVE FAULT DETECTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. DIVAKARA B C	Mr. KARTHIK N S Mr. SUHAS M N
512.	49S_BE_4346	A SMART SOLUTION FOR INTELLIGENT TRAFFIC LIGHT CONTROL USING ALTERA FPGA BOARD	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SEEMA SRINIVAS Dr. PREETHI SHARMA K	Mr. VINAY K Mr. SANDEEP TARASING RATHOD Mr. YASHAVANTH GOWDA M Mr. ROHAN K P
513.	49S_BE_4654	AI-ENABLED SMART INFANT INCUBATOR FOR REAL TIME MONITORING AND EARLY HEALTH PREDICTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SIDDALINGESH BANDI	Ms. PRIYANKA KM Ms. VARSHA JANUMALA Ms. DIVYASHREE G Ms. VACHANA K
514.	49S_MBA_0153	INTEGRATING ESG PRINCIPLES THROUGH HYDROPONIC FARMING: A CIRCULAR ECONOMY APPROACH FOR URBAN AND PERI-URBAN REGIONS	M.B.A	MANAGEMENT STUDIES	Dr. ROOPA KARNAM Dr. SRIYANK LEVI	Mr. SHIVAGANESH G R Mr. KESHAV C Ms. NITHYASHREE B R Ms. SANDHYA G
515.	49S_BE_4450	AI POWERED DOCUMENT ANALYSIS AND LICENSE MANAGEMENT SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. ROHINI B.R.	Ms. AISHWARYA B. Mr. SUMUKHA K. Mr. SUMUKHA P. Mr. YASHAWANTH G.B.
516.	49S_BE_5207	KRISHIMITRA	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. SANDEEP H	Ms. HARSHITHA P Ms. LEKHANA R Ms. SANIYA UZMA Mr. SRISHAN K N
517.	49S_BE_2226	GAN BASED FACIAL RECONSTRUCTION USING TEXTUAL DESCRIPTION: A FORENSIC APPROACH	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. R C RAVINDRANATH	Mr. DHIRAJ C Mr. DEVARAJA P Mr. GK DHANUSH
518.	49S_BE_3759	FRUITELL - A SMART PEN FOR INTERNAL FRESHNESS DETECTION OF APPLES USING ULTRASOUND AND AI	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. CHANDRAMMA.R	Ms. CHARANYA A Ms. GAYATHRI K Ms. JANANI RAJSHEKAR Ms. KRUTHI
519.	49S_BE_4313	ENHANCING PREHOSPITAL CARE THROUGH AI AND IOT: AUTOMATED DISPATCH, VITALS TRACKING AND DYNAMIC HOSPITAL ROUTING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SOWMYA BK	Mr. MOHAN KUMAR M Ms. KRUTHI NL Mr. PRABHU GOUDA MALI PATIL Mr. PUNEETH M
520.	49S_BE_5676	SCADA BASED HOME ENERGY CONSERVATION ASSISTANT USING NODE-RED	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SEEMA B HEGDE Dr. KUMARSWAMY S	Mr. ANISH NAIK Mr. BHARATH V N Mr. APPUGOUDA PATIL Mr. ARPIT TANGADE
521.	49S_BE_6981	APPLICATIONS OF QUANTUM BOLTZMANN MACHINES ON HOUSE PRICE GENERATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. KAMLESHWAR KUMAR YADAV	Mr. ADAM AHMED YAHYA Ms. POOJA K Mr. GOKUL G NAIR
522.	49S_BE_4744	SIMUMED: MIXED REALITY DISSECTION AND SURGERY SIMULATOR FOR ETHICAL MEDICAL EDUCATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SHARMILA CHIDARAVALLI Dr. VIMUKTHA E SALIS	Mr. JAYSINGH RAJ PUROHIT Mr. KVS ADITYA Mr. KISHORE GOWDA A Mr. SANJAY K S
523.	49S_BE_6301	SMART ROBOTIC ARM BASED BROOM WITH DUST DETECTION USING IOT AND COMPUTER VISION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. VIMUKTHA E. SALIS Prof. AKSHATHA B S	Ms. DEEPTHI S REDDY Ms. MADHUMITHA S Mr. DHANUSH GOWDA A R

64. GOPALAN COLLEGE OF ENGINEERING AND MANAGEMENT, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
524.	49S_BE_3293	DESIGN AND DEVELOPMENT OF 3-DOF GROUND-BASED DYNAMIC TEST BED FOR CONTROL SYSTEM TUNING, EVALUATION AND CALIBRATION OF VTOL UAV'S	B.E.	AERONAUTICAL ENGINEERING	Mr. SUPRITH M	Ms. ANUSHREE.N Ms. PREETHI V Ms. PUNITHA D Ms. REVATI NAGENDRA MARIHAL
525.	49S_BE_3601	EXPERIMENTAL INVESTIGATION OF MAGNETIC EFFECTS AND FLOW GENERATION IN 15CM ION THRUSTER	B.E.	AERONAUTICAL ENGINEERING	Mr. SUPRITH M	Mr. N DILIP Mr. BADRI V BHARADWAJ Mr. ABHISHEK S
526.	49S_BE_4886	REAL-TIME IMPLEMENTATION OF AN STUDENT ATTENDANCE MONITORING SYSTEM WITH COMPUTER VISION TECHNOLOGY	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. MANOJ CHALLA	Mr. SUNDAR S Mr. VISHNU SAI S SHETTY Mr. MAYUR U Mr. VINITH JOYAPPA
527.	49S_BE_4905	RIDEASE - A MULTI MODAL RIDE BOOKING PLATFORM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. KARTHEEK G C R	Mr. ARAVIND DAKSHAN D Ms. LEKHANA C Ms. NAVYA D Mr. RICHARD S

65. GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
528.	49S_BE_2646	EXPERIMENTAL EVALUATION OF BOND-SLIP BEHAVIOR OF GFRP REINFORCEMENT IN CONCRETE	B.E.	CIVIL ENGINEERING	Prof. UMA SHANKAR YALIGAR	Mr. VIKRAM Mr. MD UZAIR HUSSAIN Mr. SHAIK SAMI AHMED Mr. VISHNU PRAKASH
529.	49S_BE_2663	STUDY ON THE STABILIZATION OF SOIL USING BANANA FIBER, SODIUM SILICATE AND GUAR GUM POWDER	B.E.	CIVIL ENGINEERING	Dr. PRADEEP KUMAR SINGA	Ms. DEEPIKA Mr. ABHILASH Ms. KALPANA Mr. SACHIN
530.	49S_BE_0463	MANUALLY OPERATED FLOOR CLEANING MACHINE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. NEELASHETTY K	Mr. RAHUL Mr. GURURAJ Mr. PARMESH Mr. GANESH
531.	49S_BE_0646	SMART DRAINAGE MANHOLE MAINTENANCE SYSTEM USING IOT	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mrs. ROHINI D	Ms. NANDINI Ms. AMBIKA Ms. AYODHYARANI Ms. BHAGYASHREE
532.	49S_MBA_0100	PRIMARY HEALTHCARE SERVICE QUALITY & PATIENT SATISFACTION IN RURAL CLINICS OF BIDAR DISTRICT, KARNATAKA STATE	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. JYOTI AINAPUR	Ms. B MANJU Ms. ANJALI Ms. KUMKUM Mr. SHRIDHAR MANKARI
533.	49S_BE_1941	CASM-HOME SYSTEM (CONTEXT-AWARE SMART MIRROR FOR HOME ENVIRONMENTS)	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. NAMRATHA S.	Mr. SHAIK MOHAMMED ZAKIR Ms. ANJUM BEGUM Ms. SAPURA Ms. KOMAL
534.	49S_BE_2396	UPI-BASED SANITARY NAPKINS VENDING MACHINE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. PRADEEP KARANJE	Mr. UDAY TADAMALLE Mr. SOMSHEKAR PATIL Mr. SRIKANTH HAMILPURKAR Mr. OMKAR SURYWANSHI
535.	49S_BE_5013	AI POWER SMART EXAM INVIGILATION USING ESP32-CAM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SONI MANARI	Ms. SWATI Mr. NITESH Ms. VAISHNAVI DHOTRE Ms. VAISHNAVI LADE
536.	49S_MBA_0093	OPERATIONAL BARRIERS AND CLAIM-PROCESSING INEFFICIENCIES IN THE ACCEPTANCE OF AYUSHMAN BHARAT PM-JAY PATIENTS IN PRIVATE HOSPITAL OF BIDAR DISTRICT OF KARNATAKA STATE	M.B.A	MARKETING AND FINANCE	Dr. JYOTI AINAPUR	Mr. ABHAY SAHUKAR Mr. ADITYA Ms. SHRADHA Mr. SHREENATH
537.	49S_BE_1234	SMART CRADLE SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. V.S.PADMINI Prof. GURU PRASAD	Ms. VASUDHA Ms. SHIVMANGALA Ms. VAISHNAVI Mr. PRIYAJEET
538.	49S_BE_1189	ZERO TRUST AUTHENTICATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. ASHA	Ms. BARIYA ANJUM FATIMA Ms. NOOR UL HUDA Ms. JUVERIA AFREEN Ms. IQRA NAAZNEEN
539.	49S_BE_1195	CUSTOMER SUPPORT TICKET CLASSIFICATION POWERED BY LOGISTIC REGRESSION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SANDEEP IDDALGAVE	Mr. GANESH Mr. ADVAITH DESHMUKH Mr. IRFAN Mr. MIHIR SHUKLA

540.	49S_BE_1203	FOOD SPOILAGE PREDICTION AND FORECASTING USING DATA ANALYTICS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. NAGNATH BIRADAR	Mr. HARPREET SINGH HUNDAL Mr. JUSTUS Mr. MD AQUEEL RAZA Mr. HANOK
541.	49S_BE_1207	DORMLINK-BRIDGING HOSTEL LIFE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. ANURADHA ANNIGERI	Mr. VENKATESH Mr. SANDEEP Mr. VINAY
542.	49S_BE_1225	PURIFIX H2O : AN INTELLIGENT IOT BASED SYSTEM FOR WATER PURITY DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. GURURAJ SURAMPALLI	Mr. MOHAMMED ANAS JABIR ALI Mr. MOHAMMED KHAN ZUBAIR Mr. KALYANI MD FAIZAN Mr. SHAIK DANISH TAMEEM
543.	49S_BE_1227	IOT-BASED SMART HELMET FOR COAL MINING TRACKING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. V.S.PADMINI	Mr. MOHD AMJAD ALI Mr. SHAIK YAHYA Mr. AREEB AMAN
544.	49S_BE_1810	AI BASED ACOUSTIC WAVE MONITORING OF RAIL DEFECTS LIKE CRACKS, FRACTURE AND PREDICTION FOR RAIL WEAR, QUALITY ALONG WITH OTHER PARAMETER	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. SYED SAQLAIN AHMED	Ms. ISHITA KUMARI Mr. B SANTOSH KUMAR Mr. SAIRAM Ms. SNEHA. D
545.	49S_BE_1363	SMART VILLAGE AIR QUALITY MONITORING AND INDUSTRIAL POLLUTION TRACKING SYSTEM USING IOT, MERN, ESP32	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. MASRATH BEGUM	Ms. SHREYA Ms. SHRUTI TANDALE Ms. SNEHA Ms. MEGHA
546.	49S_BE_1545	CHATGROQ SQL: CONVERSATIONAL MYSQL INTERFACE USING LLMS, K-NN RETRIEVAL AND BEAM DECODING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SHILPA T	Mr. SARBJOT SINGH Mr. MOHAMMAD SAKIB SHAIK Mr. SHAIK NIZAMUDDIN SUFYAN Mr. SYED SAQEEF HUSSAIN
547.	49S_BE_3871	A SMART AI-ENABLED SUPPORT ECOSYSTEM FOR WOMEN ENTREPRENEURS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. UPASANA PATIL Prof. JASMINEET KAUR	Ms. NEELOFAR ANJUM Mr. AZIZ AHMED Ms. ASHREEN KHANUM Mr. SYED SOHAIL
548.	49S_BE_1726	SOLAR OPERATED DRY LEAVES COMPOST MACHINING	B.E.	MECHANICAL ENGINEERING	Dr. DR.NAGRAJ R G	Mr. BHOSALE CHETAN RAMRAO Mr. KULKARNI VAIBHAV VYANKATESH

66. H.K.B.K. COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
549.	49S_BE_0030	WIRELESS SMART CHARGING HUB USING IOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. PARVATHY THAMPI M S	Mr. SHAHJAHAN GAJULAPALLI Mr. SANDEEP BIST Ms. SANIA SAUGATH Ms. UMME TASKEEN
550.	49S_BE_1317	SUSTAINABLE HYBRID ENERGY HARVESTING FOR SELF-POWERED DEVICES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. ZAHIRA TABASSUM Dr. SUFIA BANU	Ms. SYEDA HAJIRA MEHEK Mr. SAYED NAZEEM AHMED QAZI Mr. SHIVAKUMAR B Mr. SYED UZAIR HUSSAIN
551.	49S_BE_1986	DESIGN AND DEVELOPMENT OF AUTOMATIC PLANTER MACHINE FOR AGRICULTURAL APPLICATIONS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. MANJUNATH R KOUNTE	Ms. MOULYASHREE.K.M Ms. MONISHA C Ms. NARLA VARSHITHA Ms. PRIYA G T
552.	49S_BE_3208	DESIGN AND IMPLEMENTATION OF CLOUD-BASED IMAGE ENCRYPTION SYSTEM WITH AI-ENABLED FEATURES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SUMMAIYA ALMAS Dr. ARYALEKSHMI B N	Ms. SYED ALIYA AIMAN Ms. SABA KULSUM Ms. SOHA FATHIMA Ms. SANIYA HUSSAIN
553.	49S_BE_3467	INTELLIGENT LIBRARY SYSTEM - A STEP TOWARDS DIGITAL TRANSFORMATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUHAS A R Dr. VENKATESAN C	Ms. KOMAL Ms. MEGHANA TV Ms. NAVYASHREE R Ms. PARVEEN
554.	49S_BE_7049	IMPLANTABLE CHIP FOR REAL TIME TRACKING LOCATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SYEDA NOOR FATHIMA Prof. SHERIN FATHIMA	Ms. FOUZIYA SULTANA S Ms. ASFIYA BANU Ms. KULSUM HUZAIFA Mr. NASIR KHAN
555.	49S_BE_0193	A NOVEL MULTIMODAL TECHNIQUE TO ENHANCE THE ANALYSIS OF MATH VISUALIZATION GENERATOR USING LLM AND TRANSFORMERS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHARADA K A	Mr. MOHAMMED MASOOD Mr. MOHAMMED MUMMAYIZ Mr. SAARIM KHAN

556.	49S_BE_0381	MULTI-RETINAL DISEASE CLASSIFICATION USING CNN AND DEPP LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. KAVITHA S	Mr. P RAJESH Mr. NAGESH MAKANAPUR Mr. MANOJ M H G Mr. MOHAN KUMAR H S
557.	49S_BE_0604	DIABETIC RETINOPATHY DETECTION USING DEEP LEARNING MODELS AND EXPLAINABLE ARTIFICIAL INTELLIGENCE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. MINAL KHANDARE	Mr. AKSHAY B M Ms. ANANYA N R Ms. ANUSHA A K Ms. APEKSHA J N
558.	49S_BE_5896	CROP YIELD PREDICTION USING DEEP LEARNING AND REMOTE SENSING TECHNIQUES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. KHALLIKUNAI SA	Mr. SURESH DATT JOSHI Mr. V TILAK TEJA Mr. SWARAN RAJ E S Mr. THARUN R
559.	49S_BE_6469	DESIGN AND FABRICATION OF SMART SOLAR MULCH LAYING MACHINE WITH DRIP IRRIGATION USING IOT	B.E.	MECHANICAL ENGINEERING	Dr. SALIM SHARIFF Dr. CHENNABASAP PA HAMPALI	Mr. MANOJ M Mr. PRAVEEN KUMAR K C Mr. SUBASH S

67. H.K.E SOCIETY'S SIR M. VISVESVARAYA COLLEGE OF ENGINEERING, RAICHUR

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
560.	49S_BE_6546	RINA - RESPONSIVE INTERPRETER FOR NON-VERBAL ASSISTANCE (BASED ON INDIAN SIGN LANGUAGE)	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. R K ASHWIN	Ms. SNEHALATHA Ms. SHREELATHA G Ms. SPOORTHY Ms. V KAVYA

68. HIRASUGAR INSTITUTE OF TECHNOLOGY, BELAGAVI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
561.	49S_BE_2038	DESIGN AND IMPLEMENTATION OF HAND GESTURE AND VOICE CONTROLLED SMART WHEELCHAIR	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. ONKAR HEDDURSHETTI	Mr. YAGNESH DEVADIGA Mr. SUMEET PATIL Ms. RUTUJA CHOUGALA Ms. UTKALA CHALAWADI
562.	49S_BE_2954	DESIGN AND IMPLEMENTATION OF AGRUCULTURAL PRODUCT DETECTION & SORTING ROBOT USING MACHINE LEARNING	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. O.B. HEDDURSHETTI	Ms. SAKSHI.S.KAKANDAKI Ms. KEERTI.S.KALMATH Ms. GOURAMMA PATIL Ms. LAXMI.M.RUMOJI
563.	49S_BE_1666	CREDIT CARD FRAUD DETECTION USING MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SHRUTI KUMBAR	Ms. BHAGYASHRI PUJERI Ms. GEETA CHAVAN Mr. PRAMOD PARIT Mr. PRASHANT VHANAKHANDE
564.	49S_BE_1905	PLANT SPECIES IDENTIFICATION BASED ON PLANT LEAF USING MACHINE LEARNING TECHNIQUES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SUNITA K	Mr. BASAVARAJ MALLESH BASTAWADI Mr. ANIL M MAGADUM Mr. AKSHAY NEMINATH HARUGERI Mr. NIKHIL RAVINDRA YASHAWANT
565.	49S_BE_1908	AI BASED SMART PARKING SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SHRUTI KUMBAR	Mr. RAVINDRA SUDARSHAN AKKOLE Mr. VIVEK NAGARE Mr. VAIBHAV POWAR Mr. VISHAL PATIL
566.	49S_BE_2018	AI BASED EYE TRACKING SYSTEM FOR PARALYZED PATIENTS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. S. V. MANJARAGI	Ms. ANJALI M GOTURI Ms. BINDU TALAWAR Ms. MOULYA MAJAGI Mr. KRUTARTHA U BAJIKAR
567.	49S_BE_7087	VIRTUAL TELEPRESENCE ROBOT USING RASPBERRY PI	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. S.S.KAMATE Prof. S.S.MALAJ	Ms. SRUSHTI NAIK
568.	49S_BE_2390	FABRICATION OF ROBOT FOR SECURITY AND SERVILENCE	B.E.	MECHANICAL ENGINEERING	Dr. DR. M A HIPPARAGI	Mr. RAHUL KUMBAR Mr. BASAVARAJ GHARABUDE Mr. PRAVEEN KHOT Mr. DARSHAN KAVLIKATTI
569.	49S_BE_3247	MULTIPURPOSE FIRE EXTINGUISHER ROBOT	B.E.	MECHANICAL ENGINEERING	Prof. D.N.INAMDAR	Mr. CHETAN DESAI Mr. HARSHAL KABBURI Mr. SIDDHARTH PIRAJI Mr. SOURABH KOKITAKAR

69. INDIAN ACADEMY DEGREE COLLEGE (AUTONOMOUS), BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
570.	49S_MSC_0223	IDENTIFICATION OF NATURAL BRD4 TARGETED ANTI FIBROID LEADS FROM BORASSUS SAMBIRANENSIS SAP PROBIOTICS USING METABOLOMICS AND MOLECULAR DOCKING APPROACHES	M.Sc	BIOTECHNOLOGY	Dr. ERUMALLA VENKATA NAGARAJU	Ms. SHASHIKALA V Ms. KEERTHANA J B
571.	49S_MSC_0287	INTEGRATED IN SILICO AND IN VIVO APPROACH TO DECIPHER REPRODUCTIVE TOXICITY OF PLASTIC MONOMERS IN DROSOPHILA MELANOGASTER	M.Sc	BIOTECHNOLOGY	Dr. ERUMALLA VENKATA NAGARAJU	Ms. NANCY S Ms. NIKITHA T
572.	49S_MSC_0177	PROBIOTIC HYDROGEL BANDAGES FOR CROP PROTECTION AND GROWTH	M.Sc	MICROBIOLOGY	Dr. DR. S. ANU KIRUTHIKA	Mr. KUMAR CHANDU.K Ms. ASFIYA ANJUM Mr. ABHILASH KUMAR NAYAK

70. INDUS BUSINESS ACADEMY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
573.	49S_MBA_0238	BRIDGING THE GAP BETWEEN DROUGHT-TOLERANT CROP TECHNOLOGIES AND FARMER ADOPTION: AN ECONOMIC AND BUSINESS MODEL PERSPECTIVE	M.B.A	MANAGEMENT EDUCATION	Dr. NAGENDRA HEGDE	Ms. ADYA VATS Ms. AASTHA CHANDA Mr. TARUN SHARMA

71. J.S.S. ACADEMY OF TECHNICAL EDUCATION, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
574.	49S_BE_2990	FEASIBILITY STUDY OF NON-MOTORIZED TRANSPORTATION IN SRINIVASAPURA BENGALURU	B.E.	CIVIL ENGINEERING	Mr. BASAVARAJ AKKI	Mr. PRANAV S Mr. CHANDAN A R Mr. MANOJ K
575.	49S_BE_5364	CONDITION ASSESSMENT OF IN-SITU CONCRETE USING ULTRASONIC PULSE VELOCITY (UPV) HEATMAP-BASED VISUALIZATION	B.E.	CIVIL ENGINEERING	Dr. SHASHIKUMARA S R Dr. J S SRIKANTAMURTHY	Ms. DAKSHITHA M V Mr. CHANDAN RAJ D Mr. SUKITH B V
576.	49S_MBA_0211	DIGITAL BOOK KEEPING WITH EMOTIONAL INTELLIGENCE	M.B.A	ARTIFICIAL INTELLIGENCE	Dr. LATHAMANI B	Ms. SHIVANI B Ms. SHRADDHA Ms. T V DEEKSHA Mr. SHASHIDHAR T M
577.	49S_BE_2171	ELITE-DRIVE GUARD	B.E.	ELECTRONICS AND INSTRUMENTATION ENGINEERING	Dr. BHANUMATHI K S	Mr. PUNITH GOWDA P Mr. ABHISHEK D Mr. S K SHASHANK Mr. SUDEEP
578.	49S_BE_1944	A MOTHER'S HOPE, A DAUGHTER'S FUTURE: AI FOR OVARIAN CANCER	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. SNEHALATHA N	Ms. ANNAPOORNA V Ms. DIVYA N Ms. H KHUSHI
579.	49S_BE_2476	WEB BASED LLVM COMPILER STUDIO USING C/C++	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. PRADEEP H K	Mr. AJITH KUMAR MS Mr. GOWTHAM U Mr. HARSH ANAND Mr. JOCELYN ADRIAN PARSONS
580.	49S_BE_3488	INTRUSION DETECTION SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. NIRANJAN C KUNDUR	Ms. KHUSHI GOWDA Ms. NISCHITHA B D Mr. PRATEET S P Ms. RAKSHITHA S
581.	49S_BE_2660	AI INTEGRATED SMART HEALTH CARE MONITORING SYSTEM FOR IMMOBILE PATIENTS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. MAMATHA G	Ms. B Y RAKSHITHA Ms. AMITHA Y Ms. AMULYA Y J Ms. GAURI S
582.	49S_BE_3559	ENHANCED MULTIMODAL FUSION FRAMEWORK FOR ROBUST DEPRESSION DETECTION USING SPEECH, FACIAL DYNAMICS AND TEXTUAL CUES	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. BASAMMA UMESH PATIL	Mr. PREETHAM T R Mr. PRADEEP KUMAR T U Mr. NAVEEN A C Mr. RAHUL M PUJAR
583.	49S_BE_4990	CONFLICT AVOIDANCE AND LANDSLIDE UPDATE FOR VEHICLES IN DEEP CURVES	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. BASAMMA UMESH PATIL	Mr. VISHWAS HIREMATH Mr. UJWAL HM Ms. TEJASHREE Ms. SIYANA R

72. J.S.S. SCIENCE AND TECHNOLOGY UNIVERSITY, MYSURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
584.	49S_BE_2726	STABILIZATION OF CLAY SOIL USING BIOPOLYMERS	B.E.	CIVIL ENGINEERING	Mr. UDAY SHANKAR S	Mr. SKANDA D ANAND Ms. SNEHA G Mr. SRUJAN S Mr. AMITH M K
585.	49S_BE_5680	URBAN RAPID TRANSIT FRAMEWORK FOR HUBLI-DHARWAD TWIN CITY CORRIDOR	B.E.	CIVIL ENGINEERING	Prof. PRASAD PUJAR	Ms. TANUSHREE BS Mr. GAGAN BASAVARAJ BALIKI Mr. SOMASHEKAR.V Mr. BHARATH KUMAR M S
586.	49S_BE_5662	GREEN RURAL ENERGY HUB: INTELLIGENT BIOGAS AUTOMATION FOR VILLAGERS	B.E.	INDUSTRIAL AND PRODUCTION ENGINEERING	Dr. VANISHREE BELOOR	Ms. PRAGNA S Ms. SHREERAKSHA H R Ms. CHIRANTHANA T S Ms. VARSHINI R
587.	49S_BE_4221	E-COCO-BOT: DESIGN AND FABRICATION OF ELECTRIC DRIVE AND REMOTE-CONTROL SYSTEM FOR A TREE CLIMBING ROBOT WITH PESTICIDE SPRAYER	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Ms. DIVYASHREE B P	Mr. ADARSH S ANCHALKAR Ms. SPANDANA B S Ms. THRUPTI K H Mr. UDAYA T R
588.	49S_BE_5585	FABRICATION AND CHARACTERISATION OF FLEXIBLE TENG USING PVA/ZNO	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. RAVISHANKAR B S Mr. SHIVAPRASAD N	Mr. ARUNANK H M Ms. PRAGATHI R Ms. SAPNA K S Mr. SUBHASH V
589.	49S_MSC_0167	EU2O3 @ GRAPHITIC CARBON NITRIDE NANOCOMPOSITE-MODIFIED PENCIL GRAPHITE ELECTRODE FOR RAPID AND SENSITIVE ELECTROCHEMICAL DETECTION OF NARCOTIC DRUGS.	M.Sc	CHEMISTRY	Dr. VEDHAVATHI H S	Ms. ANKITHA BS Mr. H VISHWANATH Mr. PRAJWAL H P
590.	49S_BE_5900	SMART WEARABLE ASSISTIVE SYSTEM USING AI AND DEEP LEARNING FOR THE VISUALLY IMPAIRED AND DYSPHONIC INDIVIDUALS.	B.E.	ELECTRONICS AND INSTRUMENTATION ENGINEERING	Ms. RAJESWARI P Dr. RATHNAKARA S	Mr. MOHAMMED SUHAIB SHARIFF Ms. SRIVIDHYA H Ms. DISHA SAMYAMI G M
591.	49S_MSC_0127	RECYCLING END-OF-LIFE (EOF) LI-ION BATTERIES A SUSTAINABLE APPROACH	M.Sc	PHYSICS	Dr. MADHU CHENNABASAPPA Dr. P. S. K. REDDY	Ms. DYUTHI B S Mr. BHUVAN BANDER T A Mr. NACHIKETH S SHETTY
592.	49S_BE_5813	UNIFIED AI LEARNING ECOSYSTEM FOR COLLABORATIVE AND PERSONALIZED EDUCATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. PRIYANKA D	Ms. PREKSHA N R Mr. SURAJ S G DHANVA Ms. DHARSHINI M Ms. BHOOMIKA K S
593.	49S_MSC_0246	A CONTEXT-AWARE HYBRID AI FRAMEWOK FOR CLOUD LOGIN ANAMOLY DETECTION AND AUTOMATED RESPONSE	M.Sc	COMPUTER SCIENCE (CYBERSECUTIRY)	Dr. PRASANNA B.T	Mr. ADI VARDHARAJ
594.	49S_BE_3619	DESIGN, FABRICATION, AND EXPERIMENTAL VALIDATION OF A MODULAR PROPULSION TEST PLATFORM FOR ELECTRIC THRUST CHARACTERIZATION	B.E.	MECHANICAL ENGINEERING	Mrs. THEJASWINI M N	Mr. SANKETH B M Mr. DHYAN C Mr. SHIVU S Mr. SOORYASWAMY

73. JAIN (DEEMED - TO - BE UNIVERSITY), SCHOOL OF SCIENCES, J.C ROAD, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
595.	49S_MSC_0139	HALOPHILES FROM FERMENTED OLIVES: ISOLATION, CHARACTERIZATION, AND THERAPEUTIC POTENTIAL	M.Sc	ALLIED HEALTHCARE AND SCIENCES	Dr. SHWETA SINGH Dr. YASRIB QURISHI	Ms. SHIKHA P K Ms. SAHANA G S Mr. DARSHAN J C Ms. BHAGYASHREE GOGI
596.	49S_MSC_0090	DESIGN OF A BUDGET-FRIENDLY, AI-INTEGRATED COMPUTER VISION SYSTEM FOR AUTOMATED HIGH-THROUGHPUT NEUROTOXICITY SCREENING USING DROSOPHILA MELANOGASTER MODEL	M.Sc	GENETICS	Dr. RENUKA JYOTHI S	Ms. BHAVANA OMPRAKASH Mr. SRIKANT SHASTRY S
597.	49S_MSC_0332	IN SILICO ANALYSIS OF NUTRIENT- SENSITIVE EPIGENETIC AGING CLOCK LOCI DURING SOMATIC CELL REPROGRAMMING TO IPSCS	M.Sc	BIOLOGICAL SCIENCES	Ms. MS. SHWETHA SINGH Dr. DR. KIRANKUMAR GUDAGUDI	Ms. GRACY SHARMA Ms. CHANDANA V. Ms. DHWANI S KUMAR

74. JAIN (DEEMED-TO-BE UNIVERSITY), BENGALURU SOUTH

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
598.	49S_BE_1817	HYDRAULIC-ELECTRICAL ENERGY RECOVERY AND PROPULSION SYSTEM USING SUPERCAPACITOR FOR HYBRID CARS	B.E.	MECHANICAL ENGINEERING	Dr. I KANTHARAJ	Mr. VISHAAL GANESH Mr. PRASHANT CHODANKAR Mr. AHMED RABIE AHMED ABDELWAHAB
599.	49S_BE_0868	ZERO-POWER SHAPE MEMORY ALLOY ACTUATED GLASS WIPER FOR HIGH BUILDING APPLICATION	B.E.	MECHANICAL ENGINEERING	Prof. RAMKUMAR N P	Mr. PANDIT VISHNU Mr. BIPU PRASAD YADAV Mr. MOHAMED ELHARITH ADAM MOHAMED AHMED MOHAMED

75. JAIN COLLEGE OF ENGINEERING AND RESEARCH, BELAGAVI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
600.	49S_MBA_0203	QUANTUM COMPUTING FOR UPSKILLING RURAL YOUTH.	M.B.A	FINANCE	Dr. PRASAD KULKARNI Prof. SANGAM JADHAV	Ms. SNEHA HOSAMANI Mr. SHIVANAND BORAKANAVAR Mr. DILEEP MALAGI Ms. TANISHA UPADHYE
601.	49S_BE_2924	DEVELOPMENT OF SOLAR POWERED AIR TREATMENT DEVICE USING IOT	B.E.	MECHANICAL ENGINEERING	Prof. PRASANNA MANGAONKAR	Mr. ANUJ KISHOR JAVALKAR Mr. NANDAN PRAKASH INDULKAR Mr. PAVAN VIJAY SHINDE Mr. GURUDAS PATIL
602.	49S_BE_6673	ANALYSIS OF G+10 BUILDING WITH AND WITHOUT INFILLS WALLS OF EARTHQUAKE EXCITATION BY USING ETABS	B.E.	CIVIL ENGINEERING	Prof. RIYA K Prof. GANESH SAYANEKAR	Mr. RAHUL PATIL Mr. ABHISHEK HIREMATH Mr. SHREEHARSH KUCHANURE Ms. SPOORTI KILLEKETAR

76. JAIN COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBBALLI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
603.	49S_BE_4089	WASTE TO WATTS FOR SUSTAINABILITY: A NOVEL APPROACH TO MICROBIAL FUEL CELLS	B.E.	CIVIL ENGINEERING	Prof. SUNIL UMACHAGI	Mr. ABHISHEK R GUDAGERI Mr. MD SAMEER M NARAGUND Mr. MOHAN H KALBURGI Mr. NITISHKUMAR S PATIL
604.	49S_BE_4878	INTELLIGENCE ROAD SURFACE ANALYSIS AI BASED POT HOLE DETECTION AND REDESIGN OF ROAD HUMP BY SCIENTIFICALLY	B.E.	CIVIL ENGINEERING	Prof. SHWETHA.G.C Prof. SACHIN.P.D	Mr. SHRIDHAR. PATIL Mr. SACHIN.M Mr. SHRAVAN.M Mr. UDAYAGOUDA.V.H
605.	49S_BE_6663	DEVELOPMENT OF ECO-FRIENDLY, SUSTAINABLE CONCRETE BLOCKS USING SUGARCANE BAGASSE AND BAMBOO	B.E.	CIVIL ENGINEERING	Dr. AKSHATA MUSALE	Mr. MD. YUSUF I TALAWAI Mr. AMIT KOULGERI Mr. RAKESH TIRLAPUR Mr. SAYED JUNAID Korpali
606.	49S_BE_4011	SIGN LANGUAGE RECOGNITION SYSTEM USING MEDIAPIPE AND FIREBASE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. AMRUTA PATTAN Prof. POOJA SATAPUTE	Mr. DEEPAK V Mr. HARISHWAR F SALIMATH Mr. K VISHWAS Mr. VADIRAJA JOSHI
607.	49S_BE_6692	DESIGN AND DEVELOPMENT OF SMART ROPE DELIVERY SEA RESCUE ROBOT FOR PREVENTING DROWNING ACCIDENTS	B.E.	MECHANICAL ENGINEERING	Mr. DEVI PRASAD N MIRASHI Mr. VENKANGAUD HIREGOUDAR	Mr. VISHAL JADHAV Mr. ANEESKHAN M NAYAKNAVAR Mr. NANDEESH V KODEKAL Mr. MOHAMMED TALHA A ADDEWALE

77. JAIN COLLEGE OF ENGINEERING, BELAGAVI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
608.	49S_BE_5483	AI-DRIVEN APPROACHES FOR RISK IDENTIFICATION AND MITIGATION IN CONSTRUCTION PROJECTS	B.E.	CIVIL ENGINEERING	Prof. SHASHANK.U.VANA KUDARI Prof. KEERTI NEERALGIMATH	Mr. ADITYA UDAY MANE Ms. NAMRATA DHAKALU PATIL Mr. ARUN MALLAPPA JADHAV Mr. SIDDANAGOUDA IRAPPA PATIL

609.	49S_BE_1418	TO DEVELOP SMART STAND-UP WHEELCHAIR	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mrs. LAXMI BRUNGI	Mr. SOHAN VIJAY GURAV Mr. ABID SHEIKHSAB ATTAR Mr. AKASH V KAMBAR Mr. MADIVAL S SAPPADLI
610.	49S_MCA_0181	RELIEF360: HOLISTIC DISASTER RESOURCE PLANNING	M.C.A.	COMPUTER APPLICATIONS	Dr. PRAVEEN BANASODE Prof. MILIND RAO. PAWAR	Ms. RUSHIKA N ZANWAR Ms. SUPRITA PATIL Ms. STUTI S SULAKHE Ms. DNYANESHWARI JADHAV
611.	49S_MCA_0145	MINDTRACK: MACHINE LEARNING FRAMEWORK FOR EXAM STRESS PREDICTION	M.C.A.	COMPUTER APPLICATIONS	Dr. PRAVEEN BANASODE Prof. VINAYAK PATKI	Ms. RUTU R PATIL Ms. B R TEJASWINI Ms. SHRUTI GHALIMATTI Mr. SUMIT A ARABOLE
612.	49S_MCA_0139	SAFEDRIVE AI:ROAD ACCIDENT RISK PREDICTION	M.C.A.	COMPUTER APPLICATIONS	Dr. PRAVEEN BANASODE Prof. BAKTHI MARATHE	Ms. PALLAVI KAMBALIMATH Ms. SAKSHI Mr. MANOJ KULKARNI Mr. SACHIN CHAVAN
613.	49S_MCA_0138	SENTINEL AI FOR MENTAL HEALTH	M.C.A.	COMPUTER APPLICATIONS	Dr. PRAVEEN BANASODE Prof. SONAL N PATANGE	Ms. SHIRIN A. SOUDAGAR Ms. MRUNAL S. PATIL Ms. SOUJANYA B. NADAGOUDAR Ms. SHRUSTI B. CHOPADE
614.	49S_MCA_0146	SMARTDIET: MACHINE LEARNING FRAMEWORK FOR PERSONALIZED NUTRITION GUIDANCE	M.C.A.	COMPUTER APPLICATIONS	Dr. PRAVEEN BANASODE Prof. ASMIT JOSHILKAR	Mr. MANINGA ANNAPPA YADRANVI Ms. JYOTI VASAPPA HONNALLI Ms. PALLAVI KUMAR GURAV Ms. BINDU BASANAGOUDA GOUDAR
615.	49S_BE_2577	DESIGN AND DEVELOPMENT OF AN APP-CONTROLLED SMART WHEELCHAIR-CUM-BED FOR PARALYZED PATIENTS	B.E.	MECHANICAL ENGINEERING	Dr. B.V.HUBBALLI	Mr. PRATHAMESH JADHAV Mr. YASH BADAMANJJI Mr. CHAITANYA PATIL Mr. VISHAL RATHKAR

78. JAIN INSTITUTE OF TECHNOLOGY, DAVANAGERE

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
616.	49S_BE_5175	SMART VISION BOARD: NEWS AND POWER TRACKING FOR A SMARTER CAMPUS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. NANDISH B M	Ms. NAYANA P Mr. SANJU NAIK M C Mr. SRINIVAS H
617.	49S_BE_5459	DESIGN AND IMPLEMENTATION OF A WEARABLE IOT DEVICE FOR DEMENTIA PATIENTS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. CHETHAN H R	Mr. BHARATHA B S Ms. DEVIKA S P Ms. DHANUSHREE H R Ms. KHULSUM BANU NADAF M
618.	49S_BE_7000	AUTOMATED MUSEUM INFORMATION SYSTEM USING RFID	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Ms. PREETA P S	Ms. NISHCHITHA G K Ms. AMEENA KHAN Ms. ANKITHA A Ms. SHABNAM J
619.	49S_BE_3338	VOTEX: AI-ENHANCED NEXT GEN BLOCKCHAIN VOTING WITH MULTIMODAL AUTHENTICATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. PRIYANKA G V Prof. BABU SAB	Ms. SAVITA P N Ms. APOORVA MALLAPPA JAMPANNANAVAR Ms. SINCHANA G S Ms. SINDU M M
620.	49S_BE_5351	REAL-TIME DRIVER DROWSINESS AND DISTRACTION DETECTION WITH LIVE MONITORING AND EMERGENCY ALERT SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. MEGHANA.G.R Dr. H S SARASWATHI	Ms. SRUSHTI M H Ms. SNEHA M H Ms. TANUJA P S
621.	49S_BE_7046	AI ASSISTANT HEALTHCARE MANAGEMENT	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. H S SARASWATHI Dr. MEGHANA G R	Ms. NETHRA A G Ms. SANIYA R Ms. KEERTHI S K Ms. EDIGARA ANUSHA

79. JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
622.	49S_BE_3939	METHODOLOGY TO DEVELOP ROAD SAFETY INDEX FOR URBAN ROADS	B.E.	CIVIL ENGINEERING	Dr. UMAPATHI	Ms. CHAITHANYA U P GOWDA Mr. SYED ROSHAN RAZAQ Ms. KHUSHI KIRAN Mr. SAFFAN

623.	49S_BE_4265	TRAFFIC FORECASTING ON THE SELECTED HIGHWAY USING TIME SERIES ANALYSIS	B.E.	CIVIL ENGINEERING	Mrs. AKSHATHA M	Ms. LAVANYA GL Mr. NAGARAJA NAIK L Mr. BHARATH NAIK G N Mr. HEMANTH M
624.	49S_BE_2939	INTEGRATION OF AI CAMERA WITH HEXAPOD ROBOT	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. SUPRITHA M.R	Mr. KARTHIK KASHYAP Mr. NIRANJANA SS Mr. NITHEESHKUMAR E Mr. ROHITH H G
625.	49S_BE_3241	DEVELOPMENT OF A SOLAR-POWERED EV CHARGING STATION USING MPPT CHARGE CONTROLLER AND BOOST CONVERTER	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. AJJANNA N G	Mr. RATHAN KUMAR M G Mr. HARSHA S Mr. SRINIVAS M P
626.	49S_BE_4018	VERTICAL WINDMILL SYSTEM	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. AJJANNA. N G	Mr. KRUPAKAR.HK Mr. GURUPRASAD.DS Mr. SANDESH R Mr. SURAJ.M
627.	49S_BE_2642	TRAFFIC EYE: AI-POWERED TRAFFIC RULES VIOLATION DETECTION AND MANAGEMENT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. SATHYANARAYANA S Dr. CHETHAN S G	Ms. BHAVANA B M Ms. BHAVANA M K Ms. G N NISARGA Ms. HARSHITHA S
628.	49S_BE_2952	AGROBOT: AN ML-BASED AUTONOMOUS SYSTEM FOR TREE HEALTH MONITORING AND TARGETED PESTICIDE SPRAYING IN ARECANUT PLANTATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. AKSHAY M J Mr. PAVAN M	Ms. BHARATHI UDUPA C Mr. ADITYA NAAG H Mr. ABHISHEK P K Mr. AKSHAY C M
629.	49S_BE_3222	DIGITAL EYEWITNESS: AUTOMATING CRIMINAL IDENTIFICATION FROM HAND-DRAWN SKETCHES USING GENERATIVE AI	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. PAVAN M Mr. AKSHAY M J	Ms. PAVITHRA M S Ms. KAVANA M Ms. MANDARA A Ms. NAIMA
630.	49S_BE_3976	TEXT-TO-SPEECH WITH EMOTION CONTROL USING DEEP LEARNING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. MANASA S M	Mr. VIKYATH M A Mr. SHASHANK H S Mr. SUBHASH G K Mr. SUBRAMANYA S GUJJAR
631.	49S_BE_7001	SMART HEALTH ANALYSIS SYSTEM USING MACHINE LEARNING AND DEEP LEARNING (AYUSENSE)	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. GV SOWMYA	Ms. BHOOMIKA MD Ms. BRUNDA V Ms. CHAITHRA R Ms. DHANYA R
632.	49S_BE_2680	VIDEO AQ:AI POWERED VIDEO BASED QUESTIONING AND ANSWERING SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. RANJAN V	Ms. APEKSHA H H Mr. VINUTH A D Mr. PRAJWAL R KOLEKAR

80. JYOTHY INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
633.	49S_BE_0113	MIND MATES: ONE PLATFORM EVERY PLACEMENT NEEDS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. AKHILESH S NARAYAN	Ms. SHREE PADMAVATHI Mr. DARSHAN BHARDWAJ Mr. SAMEERA B B
634.	49S_BE_0023	FARMER FRIENDLY SMART IRRIGATION USING AI	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SRINIDHI KULKARNI Dr. SREEKESHAVA K S	Mr. T G MANU Mr. VISHRUTH KARANTH Mr. SHRI HARSHA Mr. SHARATH S KASHYAP
635.	49S_BE_0061	FIRST RESPONDER EMERGENCY UAV	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. S PRABHANJAN	Ms. HARSHINI S Ms. HARSHITHA D Ms. HARSHITHA N Mr. K NAVEEN REDDY
636.	49S_BE_1039	PREDICTION OF LUMPY SKIN DISEASE IN COWS USING DML	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. MANJESH B N	Ms. VANDANA C Ms. SANJANA C Ms. DIVYA R Ms. REETHU S
637.	49S_BE_1265	REAL-TIME SIGN LANGUAGE RECOGNITION USING AI FOR INCLUSIVE COMMUNICATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. KISHORE G R	Ms. SPOORTHY H M Mr. N KOTRESH GOWDA Ms. SHARVANI A R Ms. TEJASWINI M
638.	49S_BE_1346	NEURA SCRIPT PEN: THE INTELLIGENT WRITING REVOLUTION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. KISHORE G R Prof. BASAVESH D	Ms. PRIYANKA T Ms. HARSHINI V BABU Ms. ANKITHA BHANDARY Ms. SAHANA S
639.	49S_BE_2259	A VOICE BASED MENTAL HEALTH MONITORING SYSTEM USING ML	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. NANDINI D	Mr. SOHAM RAMESH KULKARNI Mr. ARUNA N Ms. MRUDULA S Ms. KSHAMA S S
640.	49S_BE_4557	DERMATRIX AI-APPLICATION FOR SKIN DISEASE DETECTION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SHILPA NARAYAN	Mr. S SHREYAS Ms. CHANDANA R Ms. DHANYA SHREE R S Mr. HEMANTH P

81. JYOTI NIVAS COLLEGE AUTONOMOUS, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
641.	49S_MSC_0035	ENVIRONMENTAL TOXICITY ASSESSMENT OF GREEN-SYNTHESIZED METAL OXIDE NANOPARTICLE USING FRESHWATER SNAILS AS BIOINDICATORS	M.Sc	BIOLOGICAL SCIENCES	Dr. SOUMYA.K	Ms. SATHYA PRIYA.K Ms. JAISHREE.G
642.	49S_MSC_0162	DEVELOPMENT OF BIOACTIVE, HERBAL MOSQUITO-REPELLENT DHOOP CONES USING JAMAICA PEPPER (PIMENTA DIOICA) LEAF EXTRACT AND UPCYCLED FLORAL WASTE	M.Sc	BIOLOGICAL SCIENCES	Dr. VINUTHA R BHATTA Dr. VINAY B RAGHAVENDRA	Ms. SHREELAKSHMI C Ms. ARJUMAND FATHIMA Ms. SHREYA NARAYAN

82. K.L.E. COLLEGE OF ENGINEERING AND TECHNOLOGY, CHIKKODI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
643.	49S_BE_0753	ADSORPTION STUDIES FOR TREATMENT OF BIOMETHANATED DISTILLERY SPENTWASH BY LOW-COST ADSORBENTS	B.E.	CIVIL ENGINEERING	Dr. LAXMAN AMBI Prof. RANJANI CHAVAN	Ms. VARSHA D CHIMMAD Mr. VINAYAK S PATIL Mr. SUPRIT M PATIL
644.	49S_BE_0763	OPTIMAL DESIGN OF WATER SUPPLY SYSTEM USING JALTANTRA SOFTWARE	B.E.	CIVIL ENGINEERING	Prof. PRADEEPKUMAR M. HODLUR	Ms. RUTUJA KANTINATH KENCHAGOUDA Ms. SNEHA KAMBLE
645.	49S_BE_0765	ASSESSMENT OF GROUND WATER QUALITY NEAR MUNICIPAL SOLID WASTE DUMPING SITE, CHIKODI, KARNATAKA.	B.E.	CIVIL ENGINEERING	Prof. SHANKARGOUDA B. PATIL	Mr. AKSHAY R KHOT Mr. OMKAR S BADIGER Mr. ROHIT M KATTI Mr. SHRINIVAS N REDDY
646.	49S_BE_5021	AI POWERED VIRTUAL KEYBOARD USING HAND-MOTION RECOGNITION.	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. JAGANNATH JADHAV	Mr. ADITYA SARAPURE Mr. MALLIKARJUN GALATAGI Mr. PUNEET BHAIRANNAVAR Mr. PADMARAJ MEKALKE
647.	49S_BE_2540	FAST AND ACCURATE MULTI-OBJECT TRACKING WITH SELF-SUPERVISED RE-ID	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. ROHINI PATIL	Ms. SHREYALI DHABALE Ms. RIYA KHOT Ms. ACHAL PATIL Mr. DHIRAJ BHANGARE
648.	49S_BE_2991	ARTIFICIAL INTELLIGENCE-POWERED VOICE CLONING AND DEEPPAKE AUDIO DETECTION	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. JAGANNATH JADHAV	Ms. VAISHNAVI SALUNKE Ms. ANJALI MATHAD Ms. SAKSHI BHANAGE
649.	49S_BE_1390	GESTURITE: AI-POWERED AIR WRITING & DOCUMENT ENHANCEMENT SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. BALACHANDRA RAO	Mr. SHUBHAM SAVANT Mr. SANKET DADDE Mr. SUSHANT JABADE Mr. SHUBHAM WADKAR
650.	49S_BE_1379	MCQ-GEN: DOCUMENT TO MCQ GENERATOR	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SUNIL HEBBALE	Ms. ANUSHA MATTIKALLI Ms. DEEPA MARCHAPPANAVAR Ms. ISHWARI HALLUR Ms. HARSHA NANDANI

83. K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
651.	49S_BE_6581	DESIGN AND DEVELOPMENT OF A PLC-BASED INTELLIGENT AUTOMATIC PHARMACY VENDING AND MEDICINE DISPENSING SYSTEM	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mr. PRAKASH M N Dr. PRAKASH KERUR	Ms. TEJASHWINI B SALMANI Ms. VEENA M PATIL Mr. SHANKAR P KALE Mr. RISHI M KAVADIMATTI
652.	49S_BE_6792	SIGN2SIGN TRANSLATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. VISHWANATH KAMATAR Dr. VISHWANATH KAMATAR	Ms. AISHWARYA KONNUR Ms. AKANKSHA Ms. ANANYA R BHAT Ms. APARNA N H
653.	49S_BE_3866	DEVELOPMENT OF NIGHT PATROLLING ROBOT	B.E.	MECHANICAL ENGINEERING	Dr. DR. S C SAJJAN	Mr. SAYAMDEV V SAKHARE Mr. PRAJWAL M MULAGUND

654.	49S_BE_6678	VOICE CONTROLLED OLD SKIMMER ROBOT	B.E.	MECHANICAL ENGINEERING	Prof. PROF. VISHWANATH SAVADATTI	Mr. MR. SHRAVANKUMAR HIREMATH Mr. MR. SHIVANAND HARVI Mr. MR. SUMIT SHINDHE Mr. MR. DEEPAK HADIMANI
------	-------------	------------------------------------	------	------------------------	----------------------------------	--

84. K.L.E'S P.C. JABIN SCIENCE COLLEGE, HUBBALLI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
655.	49S_MSC_0342	SYNTHESIS OF METAL-PHTHALOCYANINES FOR SUPERCAPACITOR APPLICATION	M.Sc	ADVANCED MATERIAL SCIENCE	Dr. AFRA QUASAR NADAF	Ms. VINITHA Ms. SAHANA M P Mr. BHARATH
656.	49S_MSC_0180	IDENTIFICATION OF BRAHMA KAMAL METABOLITES AND ITS APPLICATION IN TARGETING EPIDERMAL GROWTH FACTOR RECEPTOR (EGFR) FOR TRIPLE NEGATIVE BREAST CANCER USING GC-MS/LC-MS AND IN SILICO TOOLS	M.Sc	BIOTECHNOLOGY	Dr. SAVITHA S DESAI	Mr. VINAYAK S K Ms. MAHADEVI B. C Ms. HARSHA P PATTAN

85. K.L.S. GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELAGAVI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
657.	49S_BE_5688	ENHANCEMENT OF COHESIVE SOIL PROPERTIES USING STONE COLUMN TECHNIQUE	B.E.	CIVIL ENGINEERING	Dr. SHIVAMANTH	Mr. SAJID AHMAD AHANGAR Ms. SNEHA NAGESH TASHILDAR Mr. IMRAN BABASAB KOUJALAGI Ms. PRATEEKSHA HANAMANT TOPI
658.	49S_BE_5786	OPTIMIZATION OF MANGO LEAF AND TULSI LEAF POWDER BEDS WITH POLYSULFONE FOR THE REMOVAL OF GROUND WATER CONTAMINANTS	B.E.	CIVIL ENGINEERING	Prof. NITIN DESHPANDE Dr. SHEELA SANGAM	Ms. TANJEELA VANTMURI Mr. SHREEKANT LAMANI Ms. RUTUJA KULKARNI Mr. SATYARAJ ADI
659.	49S_BE_5861	SUSTAINABLE COMPOSITE FABRICATION FROM INDUSTRIAL WASTE: EXPERIMENTAL AND NUMERICAL EVALUATION FOR AEROSPACE APPLICATIONS	B.E.	AERONAUTICAL ENGINEERING	Dr. LOKAMNYA CHIKMATH Mr. GOURAV KULKARNI	Mr. SUDARSHAN S CHOUGULE Mr. KARTIK R MAHINDRAKAR Mr. DARSHAN M SADEKAR Mr. TUSHAR R CHINNABABU
660.	49S_BE_6816	COGNITRACE - AI MISSING PERSON IDENTIFICATION SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SHUBHADA S KULKARNI	Mr. SHRINATH R JENAKATTI Ms. DIPTA RAHUL KANUNGO Ms. AMRUTA
661.	49S_BE_6838	AI-POWERED HOME-VISIT DOCTOR APPOINTMENT BOOKING SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. KAVITA H	Ms. ANURADHA PATIL Ms. NAMRATA SUDHIR PATIL Ms. NUTAN PUNDLIK PATIL
662.	49S_BE_6878	PROTOTYPE FOR DETECTION OF UNDERGROUND WATER LEAKAGE SYSTEM USING IOT AND AIML	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VEENA K	Ms. SNEHA UDAY BELAGAVI Ms. SHREYA DEEPAK MALAGI Ms. VAISHNAVI ZENDEKAR

86. K.L.S. VISHWANATHRAO DESHPANDE INSTITUTE OF TECHNOLOGY, HALIYAL, UTTARA KANNADA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
663.	49S_BE_1766	SMART HOME WITH GOOGLE ASSISTANT AND ALEXA USING NODEMCU ESP8266	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. RAJESHWARI NANANNAVAR	Mr. OMKAR CHAVAN Mr. MARUTI GOUDRA Mr. ROHIT PAWAR Mr. SUJAL CHANNABASAPPA AKKI

664.	49S_BE_5561	CARDIORET- CARDIOVASCULAR RISK PREDICTION USING RETINAL EYE IMAGES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. MEENAKSHI N	Ms. MEGHA BAPURAY BIRADAR Ms. SRUSHTI MAHANTESH ADLIMATH Ms. VIDYA B PATIL Ms. SNEHA G PATIL
665.	49S_BE_5602	FACEMATCH: AI-DRIVEN FORENSIC SKETCHING AND IDENTIFICATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. PRANESH KULKARNI	Ms. NIKHITA SOMAYYA KOLURMATH Ms. POORNIMA KAREGOUDAR Mr. PRADEEPKUMAR Mr. PRAJWAL R SURYAVAMSHI
666.	49S_BE_5949	DEEP LEARNING BASED DISEASE DETECTION USING FACIAL FEATURES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. RAVINDRA PATIL	Mr. SANJAY G HEGDE Ms. HEMAVATI H BHOVIVADDAR Mr. A S PRAJWAL Mr. ABHISHEK V HONNEDIBBA
667.	49S_BE_6625	AI-BASED SKIN ANOMALY DETECTION AND RECOMMENDATION SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. POORNIMA RAIKAR	Ms. SHRILAKSHMI MULAGUNDMATH Mr. PRAJWAL A. ITAGI

87. K.S. INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No .	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
668.	49S_BE_0373	AI DRIVEN NON-PLAYABLE CHARACTER	B.E.	COMPUTER SCIENCE AND DESIGN	Prof. ROOPA K MURTHY	Mr. MOHAMMED KAIF DODDAMANI Mr. GOLLA SUKUMAR Mr. MAHMOOD ZAYAAN KHAN NIZAM Mr. SAI KIRAN
669.	49S_BE_5338	GAMIFIED LEARNING FOR PROGRAMMING	B.E.	COMPUTER SCIENCE AND DESIGN	Prof. NAYANA J.	Ms. SAAKSHI V. JATTI Ms. CHAITRA P. Ms. PRANATHI M. G. Ms. SHRAVANI B. G.
670.	49S_BE_2225	FUTURISTIC DIGITAL ART: AI-DRIVEN PAINTING WITH GESTURE & SHAPE PRECISION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SOWBHAGYA M P	Mr. ADONI ANIRUDH Mr. ASHISH REDDY V P Mr. BALAJI R Mr. K M THEJDEEP KRISHNA
671.	49S_BE_3772	RAITA MITRA AGRI MACHINERY RENTAL SERVICE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. REKHA B VENKATAPUR	Mr. VAMSHI N M Ms. SINCHANA M Ms. VEENA M Mr. VIKRAM S

88. K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU

Sl. No .	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
672.	49S_BE_2088	ASSESSMENT OF INSTITUTIONAL CARBON FOOTPRINT USING LIFE CYCLE ASSESSMENT; A PATHWAY TO SUSTAINABLE CAMPUS PRACTICE	B.E.	CIVIL ENGINEERING	Dr. RASHMI H R	Mr. TEJAS.K Ms. BASAVASHREE Ms. SHASHIKALA G S Mr. NAGENDRA PRASAD K S
673.	49S_BE_5437	DEEPFAKE DETECTION SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Mrs. TANUSHREE MOHAPATRA	Mr. MANOJ B Ms. JAYASHREE N Ms. NIVEDITHA P Mr. TEJAS J
674.	49S_BE_6442	TRAVEL AND TOURISM RECOMMENDATION SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Mrs. RAJASHREE D INAGLE Mrs. K.PADMA PRIYA	Mr. K SAIDEEDPAK Ms. BHARGAVI Y Ms. D.PAVANI Ms. SANJEEVINI.R.A
675.	49S_BE_1230	PREDICTING CLEFT LIP IN UNBORN BABIES USING ULTRASOUND IMAGES AND MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. DAKSHAYINI G R	Mr. PRAJWAL Koushik C Ms. MAHALAKSHMI P S Mr. DEVISH PAPANI Mr. M DHEEKSHITH
676.	49S_BE_1408	PERSONALISED RECOMMENDATION SYSTEMS IN SMART CITIES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. PUNITHA M R	Ms. B N RUSHITHA Ms. CHAITRA C Mr. HARSHA CV Ms. M SAIJA
677.	49S_BE_1509	NEUROSENSE: AI-DRIVEN PARKINSON'S DISEASE PREDICTION USING ONLINE HANDWRITING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. JAYASHUBHA J	Mr. SUHAS S Mr. PAVAN KUMAR Mr. SAKESH P Mr. SHASHANK D URS

678.	49S_BE_1172	STARTUP GPS: AI POWERED STARTUP IDEA-VALIDATION, TEAM BUILDING AND ROADMAP GENERATION PLATFORM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. VIDYASRE N	Ms. PADMASHREE MM Mr. PEDDINTI MOHAMMAD Mr. RAKESH V Ms. RAKSHITHA N
679.	49S_BE_4713	DESIGN AND DEVELOPMENT OF A SMART IOT-ENABLED BOREWELL CHILD RESCUE SYSTEM	B.E.	MECHANICAL ENGINEERING	Dr. PARASHURAM A A KUTAKANAKER I	Mr. SURYA N Mr. CHANDU.K.S Mr. HARISH C Mr. SUHAS PATEL P

89. K.V.G. COLLEGE OF ENGINEERING, SULLIA, DAKSHINA KANNADA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
680.	49S_BE_6348	AI-ENABLED SMART IOT SYSTEM FOR FRUIT RIPENESS DETECTION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SMITHA M L	Mr. SHARATH Mr. ANKITH K R Mr. PRASHANTH K Mr. SUDEEP E B
681.	49S_BE_6451	AUTOMATED COPRA GRADING SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. KISHOR KUMAR K	Mr. SRIJANA KUMARA Mr. DARSHAN ALVA Ms. LIKHITHA M GOWDA Mr. RAKSHITH M N
682.	49S_BE_4576	DESIGN AND FABRICATION OF TWO-WHEELER EV	B.E.	MECHANICAL ENGINEERING	Prof. RAGHAVENDR A B KAMATH	Mr. MAHIPAL SINGH Mr. AKHILESH Mr. VINYAS Y Mr. SAMBRAM GOWDA C G

90. KALPATARU INSTITUTE OF TECHNOLOGY, TUMAKURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
683.	49S_BE_1257	A SMART WEARABLE IOT AND MACHINE LEARNING-BASED SYSTEM FOR REAL-TIME CARDIAC EVENT PREDICTION IN RURAL HEALTHCARE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SANJAY KUMAR N V	Ms. KAVANA N Ms. LAKSHMITHA R Ms. GANAVI H R Ms. NISARGA T K
684.	49S_BE_4959	DESIGN AND DEVELOPMENT OF A SMART SOLAR ELECTRIC HECTARE WHEEL WITH MULTI-FUNCTIONAL ADJUSTABLE TOOLS FOR RESILIENT FARMING	B.E.	MECHANICAL ENGINEERING	Mr. HARIKESHA C R	Mr. VEERESH Mr. SANJU K S Mr. YASHVANTH D Mr. MANOJ K V

91. KARNATAK ARTS SCIENCE AND COMMERCE COLLEGE, BIDAR

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
685.	49S_MSC_0375	DEVELOPMENT OF ECO-FRIENDLY BIODEGRADABLE PLANT POTS AS AN ALTERNATIVE TO PLASTIC POTS	M.Sc	BOTANY	Mr. ROHIT JIROBE Mrs. MADHUMATI	Ms. PRIYA SAGAR Ms. SAKSHI Mr. ANUP Mr. SHIVANADREDDY

92. KARNATAK UNIVERSITY, DHARWAD

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
686.	49S_MSC_0241	ECO-FRIENDLY BIOADSORBENTS DERIVED FROM AGRO WASTE FOR ANTIMICROBIAL APPLICATIONS OF BIOHAZARDOUS WASTE TREATMENT	M.Sc	MICROBIOLOGY	Prof. V SHYAM KUMAR Dr. WAHEEDA KHANAM	Ms. GAYATHRI.V.S Ms. SOUBHAGYA.M.D Ms. BHAGYASHREE.D.M Ms. SAHANA C

93. KARNATAKA STATE AKKAMAHADEVI WOMEN UNIVERSITY, VIJAYAPURA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
687.	49S_MSC_0326	ISOLATION AND CHARACTERIZATION OF POMEGRANATE BACTERIAL BLIGHT CAUSING BACTERIAL AND EVALUATION ON ITS INHIBITION STUDY.	M.Sc	BIOTECHNOLOGY	Dr. JOY. HOSKERI	Ms. POOJA SHIVANAND MALI Ms. POOJA KAREPPA HIPPARAGI

94. KHAJA BANDANAWAZ UNIVERSITY, KALABURGI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
688.	49S_BE_2561	EDUVISION: AN AI-POWERED PLATFORM FOR VISUALIZING, TRANSLATING, AND ENRICHING TEXTBOOK CONTENT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. RAAFIYA GULMEHER	Ms. HARMEEN SAFOORA Ms. SANIYA SABA Mr. SYED SAMEER Mr. MOHAMMED HAMZA

95. KITTUR RANI CHANNAMMA COLLEGE OF HORTICULTURE, BELAGAVI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
689.	49S_MSC_0228	EVALUATION OF PROGENIES DERIVED FROM MALE STERILE LINES AND DEVELOPMENT OF HYBRIDS IN EUROPEAN CARROT (DAUCUS CAROTA L.)	M.Sc	VEGETABLE SCIENCE	Dr. CHAITRA C. KULKARNI Dr. SARVAMANGALA S. CHOLIN	Ms. HEMA H

96. KNS INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
690.	49S_BE_7093	AI-BASED MEDICAL CHATBOT MODEL FOR HEALTHCARE ASSISTANCE AND PERSONALIZED GUIDANCE	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. ROOPASHREE	Mr. MAHAMMADHUSSAIN ISMAILSAB KARESABANNAVAR Mr. MOHAMMED SHAALAM Mr. MOHAMMED SHOUAIB Mr. THEJAS S REDDY
691.	49S_BE_7106	IMPLEMENTATION OF AI TRAVEL PLANNER	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. AIJAZ ALI KHAN	Mr. MANISH V Mr. ABHISHEK. A Mr. HARSH SINGH A Mr. MANOJ KUMAR J

97. KRISTU JAYANTI (DEEMED TO BE UNIVERSITY), BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
692.	49S_MSC_0155	UTILIZATION OF FUNGAL MYCELIUM FOR BIOSORPTION AND IMMOBILIZATION OF HEAVY METALS IN KOLAR GOLD FIELDS MINE TAILINGS	M.Sc	LIFE SCIENCE	Dr. ASHOK D Ms. KUSHBU R	Mr. AKSHAY PALLIYAL KUNNATH Mr. NITHINRAJ VINCENT Mr. ATHUL ALOSIOUS
693.	49S_MSC_0086	ENHANCED MYCOREMEDIATION OF LOW-DENSITY POLYETHYLENE (LDPE) FILMS: AUGMENTING DEGRADATION EFFICIENCY IN MODIFIED PLEUROTUS OSTREATUS STRAINS FOR WASTE VALORIZATION AS MYCO-SUBSTRATE	M.Sc	LIFE SCIENCE	Dr. SANGEETHA MENON	Ms. AATHIRA ARAVIND Ms. SHIKHA BHATI Ms. SHERIL RIA

98. LINGARAJAPPA ENGINEERING COLLEGE, BIDAR

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
694.	49S_BE_1751	A REMOTE-CONTROL ARDUINO BASED SPRAYER FOR AGRICULTURAL PESTICIDES	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mrs. BASAGONDA CHANDRIKA Mr. BASAVRAJ	Ms. PRIYANKA LAL Ms. NISHI SURYAVANSHI Ms. POOJA Ms. RANI
695.	49S_BE_4330	WEATHER REPORTING AND STREAMING WITH GRAPHS USING IOT	B.E.	ELECTRICAL AND COMMUNICATION ENGINEERING	Dr. SAGARKUMAR BUYYA	Ms. SUMAN Ms. PALLAVI Mr. PARMESHWAR
696.	49S_BE_0419	CHILDREN SAFETY DEVICE WITH GPS TRACKER AND ALERT SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. P SRIPAL REDDY Prof. BASAVARAJ.SEDAM.	Ms. AISHWARYA Mr. MANIK RAJ BHANDE Ms. SHARON SANJANA Mr. VINAYAK
697.	49S_BE_1237	REAL TIME WIRE ROPE DEFECT DETECTION USING DEEP LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. BASAVARAJ.SEDAM. Dr. SHILPA S. HARNALE	Mr. SYED ZEESHAN AHMED Mr. PRAJWAL BIRADAR Mr. SHIVKUMAR Mr. MD RIZWAN AHMED

99. M.S. ENGINEERING COLLEGE, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
698.	49S_BE_1226	PORTABLE SOLAR POWER GENERATOR	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SANJAY H S Dr. MALATESH S H	Mr. RITIK PANDEY Mr. OM SINGH Ms. NIKI KUMARI YADAV Mr. ROHIT RANJAN

699.	49S_BE_1773	INTEGRATED AIR PURIFICATION DEVICE FOR TWO-WHEELER HELMETS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. MALATESH S H Prof. ALAMU DEVI	Ms. SARAH FIRDOUSE Mr. MOHAMMED SUHAIL S Mr. MOHAMMED TALIB Mr. MAHAMAD VASEEM M S
700.	49S_BE_1968	IOT BASED UNDERGROUND CABLE FAULT DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. BHAVYA M Dr. MALATESH S H	Mr. SHIVAKUMAR C Mr. SHIVANAND N B Mr. NAGARAJ G H Mr. SUMANTH K
701.	49S_BE_6938	AI BASED UNSECURED PLACE DETECTION DEVICE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. MALATESH S H	Ms. MONIKA B Ms. PALLAVI S Ms. MAMATHA D P Ms. NAYANA S M

100. M.S. RAMAIAH COLLEGE OF ARTS SCIENCE AND COMMERCE, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
702.	49S_MSC_0323	SCREENING AND DETOXIFICATION OF PEROXIDES AND ALDEHYDES IN REUSED COOKING OILS BY MICROBIAL BIODEGRADATION AND BIODIESEL PREPARATION	M.Sc	MICROBIOLOGY	Dr. PRASANNA SRINIVAS.R Dr. NIMITA VENUGOPAL C	Ms. REVATHI M.R Ms. KEERTHANA P. G Ms. KHUSHI DROLIA
703.	49S_MSC_0085	SYNTHESIS OF BIOCOMPATIBLE FOLIC ACID-CARBON DOT NANOCONJUGATES TARGETING BAX/BCL-2 PATHWAY IN BREAST CANCER CELLS	M.Sc	BIOTECHNOLOGY	Dr. MUKTHA H Dr. DILEEP KUMAR M.G	Mr. ABHISHEK VASUDEV BALAGOPAL Ms. ISHIKA JAIN Ms. J.MADHURI Ms. MADHUMITHA P
704.	49S_MSC_0212	SUSTAINABLE DEVELOPMENT AND COMPUTATIONAL ANALYSIS OF THIAZOLYL-PYRAZOLE BISCOUMARIN	M.Sc	CHEMICAL SCIENCE (ORGANIC CHEMISTRY)	Dr. AMREEN KHANUM Prof. PRASANNA KUMAR S G	Ms. LEKSHMI GOPAL Ms. SIDDHI SHRIDHAR PARDESHI
705.	49S_MSC_0242	DEVELOPING A BENTHIC MICROBIAL FUEL CELL (B-MFC) USING MARINE SEDIMENT TO ENERGISE LITHIUM ION BATTERIES IN OCEANIC SENSORS.	M.Sc	MICROBIOLOGY	Dr. PRASHANTHI R Dr. PRASANNA SRINIVAS R	Ms. APARNA A Ms. AKSHADHA PS

101. M.S. RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
706.	49S_BE_6096	PERFORMANCE EVALUATION OF JUTE AND BAMBOO REINFORCED SOIL-GSB SYSTEMS USING CALIFORNIA BEARING RATIO TESTS	B.E.	CIVIL ENGINEERING	Dr. VIVEK R DAS Dr. ASHA M NAIR	Ms. SNEHA S PATEL Mr. M VISHNU Mr. SUBHODH S Mr. SHASHANK S
707.	49S_MCA_0273	BROWSER AUTOMATION	M.C.A.	COMPUTER APPLICATIONS	Mrs. KOMAL S KALLANGOUDAR Dr. D EVANGELIN GEETHA	Mr. VALLABH S KULKARNI Mr. ARAVIND S HUNGUND
708.	49S_MTECH_0015	AI-IOT BASED DIGITAL EVIDENCE SUPPORT PLATFORM FOR CYBER FORENSIC DEPARTMENT	M.Tech	COMPUTER NETWORKING	Dr. SANGEETHA V	Mr. MANOJKUMAR M
709.	49S_MTECH_0028	HYBRID DETECTION OF COLLUSIVE AND NON-COLLUSIVE INTEREST FLOODING ATTACKS IN NDN USING FEDERATED AND CONTINUOUS LEARNING	M.Tech	COMPUTER NETWORKING	Dr. DR. J SANGEETHA	Mr. KISHOR VISHWAS SORTUR

102. M.S. RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
710.	49S_BE_5399	DESIGN AND DEVELOPMENT OF A SELF-POWERED IMPLANTABLE MEDICAL DEVICE USING THERMOELECTRIC ENERGY HARVESTING WITH INTELLIGENT MPPT	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. S NAGARAJA RAO Mr. PRAVEEN KUMAR VARANASI	Ms. LAKSHMISHREE S Mr. ANKUSH M PATIL Ms. BHANUPRIYA Mr. HONNURASWAMY T
711.	49S_BE_5490	DEVELOPMENT OF SUSTAINABLE HYDROGEN-POWERED EMERGENCY BACKUP SYSTEM FOR VENTILATORS AND ICU EQUIPMENT WITH HIGH-GAIN CONVERTER	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. S. NAGARAJA RAO Dr. PRANUPA S	Ms. VIDYASHREE D Ms. CHAITHRA M Ms. NALINA H Mr. MANOJ M S
712.	49S_BE_4872	DESIGN AND DEVELOPMENT OF VERTICAL TAKE-OFF AND LANDING UNMANNED AERIAL VEHICLE OF AIR QUALITY INDEX	B.E.	AEROSPACE ENGINEERING	Mr. RAJASHEKHARA REDDY H G Mr. ANANDA MURUGAN M	Mr. J J ESWAR Mr. CHETHAN C R Mr. YASHAS GOWDA M

713.	49S_BE_6841	FOLDING WING VTOL UAV FOR PRECISION AGRICULTURE	B.E.	AEROSPACE ENGINEERING	Dr. JAYAHAR SIVASUBRAMANI AN	Ms. SAKSHI KUMARI N Mr. RAVI KANTH S Mr. SOHAN S
714.	49S_MBA_0021	ASSESSMENT OF AWARENESS, PRACTICES, AND PHARMACY-BASED DISPOSAL SYSTEMS FOR PHARMACEUTICAL WASTE: AN ECO-PHARMA COVIGILANCE APPROACH IN BENGALURU	M.B.A	SUSTAINABLE BUSINESS PRACTICES & ESG	Dr. BINDU NAMBIAR Dr. A. PRAMOD KUMAR	Mr. YASHAS H L Mr. PREM D KANANI Ms. MADDILATE SOUMYA
715.	49S_MBA_0156	LEVERAGING ASSISTIVE DIGITAL TOOLS AND E-COMMERCE PLATFORMS TO ENHANCE SKILLS, PRODUCTIVITY, AND MARKET ACCESS OF DIVYANGJAN IN RURAL HANDICRAFT CLUSTERS	M.B.A	FACULTY OF MANAGEMENT AND COMMERCE	Mr. P RAJEEV PRASAD Prof. K M SHARATH KUMAR	Ms. HARSHITHA J Mr. R KAUSHIK Ms. CHANDANA P Ms. NIKITHA L
716.	49S_MSC_0302	SMART SPOILAGE DETECTION IN PLANT BASED YOGURT USING NATURAL PLANT PIGMENTS	M.Sc	FOOD SCIENCE AND TECHNOLOGY	Dr. GIRESHA A.S Dr. SMRITI CHATURVEDI	Ms. SMRUTHI R Ms. SINCHANA RAJ B K
717.	49S_MBA_0047	TRADING APPS AFFORDANCES AND DIGITAL INVESTOR BEHAVIOUR: A TAA-BASED STUDY AMONG MILLENNIAL AND GEN Z INVESTORS	M.B.A	FINANCE AND MARKETING	Dr. RAJISHA T	Mr. SHIVAKUMARA V Mr. KAUSHIK H R
718.	49S_BE_4666	DESIGN AND DEVELOPMENT OF VISION BASED HUMAN-FOLLOWING SHOPPING CART	B.E.	ROBOTICS AND AUTOMATION	Prof. BALAPPA BU	Ms. G THEEKSHANA CHOWDARY Mr. BASANAGOUDA Ms. OJAL SASHIKANTH BIRADAR Mr. SHASHANK M
719.	49S_BE_6595	EXPERT SYSTEM FOR IDENTIFYING, PREDICTING, AND MANAGING PLANT DISEASES AND PESTS USING VRIKSHAYURVEDA PRINCIPLES.	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. DPRABADEVI B Dr. SWETHA KB	Ms. ADITI UPADHYAYA Ms. SRUSHTI S B Ms. ANAGHA S K Ms. JENISHRI RAJA
720.	49S_BE_6654	DEVELOPMENT OF ROAD SURFACE MARKING ROBOT	B.E.	MECHANICAL ENGINEERING	Mr. PRAVEEN KITTALI Dr. PRITHAM BHAT	Mr. AHAM SINHA Mr. GUNNAIAH D Mr. JANARDHAN R Mr. MYTHREYAN S A
721.	49S_MSC_0038	CHARACTERIZATION OF CTDNA MUTATIONS AND VALIDATION OF CIRCULATING MICRO RNA AS PROGNOSTIC BIOMARKERS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA	M.Sc	BIOTECHNOLOGY	Dr. DR. EKTA TRIPATHI Dr. DR. K . PRASHANTHI	Ms. AKILAA O B Ms. GUJAR SNEHAL SHRINIVAS Ms. NIVYA LAHARI
722.	49S_MSC_0041	EXPRESSION AND PURIFICATION OF RECOMBINANT NIPAH VIRUS G GLYCOPROTEIN IN E. COLI FOR DOWNSTREAM ANTIBODY DEVELOPMENT	M.Sc	BIOTECHNOLOGY	Dr. DR. K. PRASHANTHI Dr. DR. SWATI SINHA	Ms. SMITHA SANDRINA Ms. VAISHNAVI P.M Ms. HIMANI K.M Ms. BHAVANA R
723.	49S_MSC_0055	TO STUDY THE EFFECT OF ELECTRICAL DISCHARGE PLASMA TREATMENT OF MOONG BEAN (VIGNA RADIATA L.) SEEDS ON MORPHOLOGICAL DEVELOPMENT AND DEFENSE RESPONSE ELICITATION AGAINST FUSARIUM OXYSPORIUM SPP.	M.Sc	BIOTECHNOLOGY	Dr. AMRITA SAXENA	Ms. SARANYA RAJESH Ms. ASMITA P

103. M.V.J. COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
724.	49S_BE_6697	DESIGN AND IMPLEMENTATION OF FLIGHT CONTROLLER FOR A VTOL UNMANNED ARIEL VEHICLE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. RENJINI E NAMBIAR	Mr. RANGANATH S Mr. SAMUEL D Mr. SACHINRADDI HANAMARADDI SHIDNEKOPPA Mr. SHIVAKUMAR NAYAK G V
725.	49S_BE_1062	CRANE-COMPASS: REALTIME CRANE ORIENTATION AND VISUALIZATION SYSTEM USING MAGNETOMETER	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. REKHA P	Ms. BUSHRA RAMSHA Mr. C SRINISH Ms. CHANDANA R GOWDA Mr. CHETAN ANAND
726.	49S_BE_2582	NEIGHBRLY: AI & IOT BASED SMART SOCIETY SECURITY SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SOPHIA G	Mr. T CHERISH CHANDRA REDDY Ms. ROSHMITHA REDDY Mr. UDAY KUMAR REDDY M Ms. KHUSHI M

727.	49S_BE_3581	SMART PHARMA POINT:AN ACCESSIBLE HEALTHCARE	B.E.	INDUSTRIAL INTERNET OF THINGS	Dr. SUBHRADIP MUKERJEE	Mr. PRAJWAL B NADAGERI Mr. SYED HASHIM BILAL Mr. MOHAMMED HUMAID AHMED Mr. MOHAMMED EMAADUDIN
728.	49S_BE_6528	DESIGN AND DEVELOPMENT OF LIGHTWEIGHT AND COST-EFFICIENT QUADRUPED ROBOT	B.E.	MECHANICAL ENGINEERING	Dr. ARUN KUMAR	Mr. AYUSHMAAN YADAV Mr. AARIYAAN RAYOMUND ENGINEER Mr. DARSHAN KUMAR N

104. MAHARAJA INSTITUTE OF TECHNOLOGY THANDAVAPURA

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
729.	49S_BE_4574	GIS BASED MAPPING AND STATUS OF WATER QUALITY IN LAKES FOR SUSTAINABLE RESTORATION	B.E.	CIVIL ENGINEERING	Dr. BC NAGENDRAPRASAD Prof. KUSUMA K	Ms. GOWDA THANUSHA NINGARAJA Ms. CHAITHRA R Mr. DARSHAN DR Ms. ANJALI N
730.	49S_BE_4593	APPLICATION OF VETIVER AND LEMON GRASS IN EFFECTIVE PHYTOREMEDIATION OF NICKEL FROM CONTAMINATED SOIL	B.E.	CIVIL ENGINEERING	Prof. GANAVI S	Mr. BHUVAN R Mr. KEERTHIRAJ T G Mr. CHANDRU R Mr. VISHWA S P
731.	49S_BE_4602	EXPERIMENTAL INVESTIGATION OF RC COLUMNS AND ARCHES REINFORCED WITH GLASS FIBER REINFORCED POLYMER (GFRP)	B.E.	CIVIL ENGINEERING	Prof. ROHITH JAIN	Ms. PAVITHRA C Mr. JAYANTH N Mr. KALIBAVI SUNIL Mr. SUMANTH GOWDA M R
732.	49S_BE_4614	CONDITION ASSESSMENT AND GIS-BASED MAPPING OF STORM WATER DRAINAGE SYSTEM IN MYSORE CITY USING SWMM	B.E.	CIVIL ENGINEERING	Prof. MANJUNATH G S	Mr. NITHIN T S Mr. MANJUNATHASWAMY Mr. YASHWANTH C S
733.	49S_BE_6076	COGNITIVE STATE MONITORING: A COMPARATIVE ANALYSIS USING IMAGE, VOICE AND SURVEY INPUTS	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. MADHAN KUMAR G S Prof. MOHAMMED SALAMATH	Mr. PRADEEP KUMAR H Mr. PRAMOD K S Ms. SRILAKSHMI P Ms. THARA V
734.	49S_BE_6324	AN INTELLIGENT BLUETOOTH-CONTROLLED ROAD AND FLOOR CLEANING SYSTEM TO IMPROVE URBAN CLEANLINESS INNOVATION & SUSTAINABILITY ORIENTED	B.E.	MECHANICAL ENGINEERING	Dr. KEERTHIPRASAD K S	Mr. SHIVU A Ms. ANUSHA R Ms. PRATHEEKSHA C K Mr. SUHAS M

105. MAHARANI LAKSHMI AMMANI COLLEGE FOR WOMEN (AUTONOMOUS), BENGALURU

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
735.	49S_MSC_0254	NANOPARTICLE BASED PIGMENTATION: DEVELOPMENT OF BLUE ORNAMENTAL ZEBRA FISH	M.Sc	BIOTECHNOLOGY	Mrs. RANJITHA A Dr. JOLITHA A B	Ms. RANJITHA A Ms. NAVYASHREE K
736.	49S_MSC_0320	GREEN SYNTHESIS AND FORMULATION OF SESBANIA GRANDIFLORA(SG) MEDIATED GOLD NANODRUG FOR HEPATOPROTECTIVE STUDIES	M.Sc	BIOTECHNOLOGY	Dr. BABITHA.B Dr. SARVAMANGALA M	Ms. T GEETHA Ms. SHREE VIDYA. S.R. Ms. SANGEETHA Y N
737.	49S_MSC_0308	BIOCONVERSION OF PLASTICS USING BACTERIA/FUNGI ISOLATED FROM DUMP YARD	M.Sc	BIOTECHNOLOGY	Dr. M. GOWRI NEELIMA Mrs. BRINDA S	Ms. SATHYA.M Ms. K.M.RACHANA
738.	49S_MSC_0157	DEVELOPMENT OF SUSTAINABLE, ECO-FRIENDLY AND COST-EFFECTIVE METHOD FOR THE TREATMENT OF INDUSTRIAL WASTEWATER	M.Sc	SCIENCE	Mrs. SUSHMA C	Ms. BHAVANA CHOUDHARY Ms. VIDYASHREE K P

106. MALNAD COLLEGE OF ENGINEERING, HASSAN

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
739.	49S_BE_6555	SUSTAINABLE ECO-FRIENDLY TREATMENT FOR DAIRY WASTEWATER USING GREEN SYNTHESIZED NANOPARTICLE	B.E.	CIVIL ENGINEERING	Dr. KISHOR KUMAR S	Mr. KUSHAL C J Ms. BHAVANA S K Ms. DEEKSHITHA A Mr. KARUNYO BODH
740.	49S_BE_1357	COMPREHENSIVE AI-DRIVEN MOCK INTERVIEW ECOSYSTEM FOR CAREER GROWTH AND PROFESSIONAL DEVELOPMENT	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. NITHIN. K	Ms. CHINMAYI. D Ms. GNANIKA. G. H Ms. CHIRASHREE S Ms. DHANYASHREE S M

741.	49S_BE_4181	AI-POWERED FINANCE MANAGEMENT PLATFORM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. DEEPTHI C G	Mr. JITHESH J SHETTY Ms. I B SHREEYA JAIN Ms. LAKSHMI C R Mr. KIRAN KUMAR D R
742.	49S_BE_3552	VERTEXML: AN INTEGRATED AUTOML FRAMEWORK FOR END-TO-END MACHINE LEARNING AUTOMATION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. ARJUN B. C Dr. SWATHI H. Y	Mr. NANDAN JAVAGAL Mr. PRATHAM D U Ms. DEEKSHA S Mr. ARJUN D

107. MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
743.	49S_BE_0573	PERCUSSION-INDUCED VIBRATION AND SOUND SENSING FOR LOW-COST STRUCTURAL HEALTH MONITORING OF MULTI-BOLTED LAP JOINTS	B.E.	AERONAUTICAL ENGINEERING	Mr. PRASHANT Mr. AJITH KUMAR	Ms. MEGHA B Mr. DARSHAN Mr. SAHIL Mr. NITHEESHA
744.	49S_BE_0773	BIO-INSPIRED SOLAR-POWERED 3-D PRINTED BLENDED WING UAV	B.E.	AERONAUTICAL ENGINEERING	Mr. VISHWARETHA K R	Mr. PRAVEEN Mr. SAGAR H Mr. VISHNU PRASAD M G Mr. YASHWITH NAYAK K
745.	49S_MBA_0009	A STUDY ON SUSTAINABLE BUSINESS PRACTICES AND ESG ADOPTION: ASSESSING CSR IMPLEMENTATION AND CIRCULAR ECONOMY OPPORTUNITIES AMONG MSME AMONG AGRICULTURAL SECTOR IN COASTAL KARNATAKA.	M.B.A	MANAGEMENT STUDIES	Mr. AKSHATHRAJ JAIN	Ms. RAKSHA R JAIN Ms. PRATHIKSHA Mr. RAJAT RAMARAJ SHET Mr. PUNEETH K
746.	49S_BE_3116	SMART AGROTECH: DEEP LEARNING-BASED APPROACH FOR EARLY DETECTION OF PHYSIOLOGICAL STRESS RESPONSES ON LEAF SURFACES DUE TO PLANT DISEASES USING MULTISPECTRAL IMAGES CAPTURED ACROSS VARYING SPECTRAL BAND FILTERS.	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SUNIL KUMAR S	Ms. MANDIRA Ms. KRUTHI Ms. TANVI Ms. THANVI J SHETTY
747.	49S_BE_0789	COASTAL SECURITY DRONE FEATURED WITH DUAL BATTERY SOLAR CHARGING & SWAPPING SYSTEM	B.E.	MECHATRONICS ENGINEERING	Dr. BINDU MADHAVI J	Mr. KRISHNA PRASAD Mr. AMSHUL R Ms. FREYA NAOMI LOBO Ms. SINCHANA M C
748.	49S_BE_0950	THE SMART DUAL MOTION EXHAUST SYSTEM FOR ADAPTIVE HEAT REMOVAL AND GAS ALERTING	B.E.	MECHATRONICS ENGINEERING	Mr. VINOD KUMAR M V	Mr. MOHAMMAD ZUHAIR Mr. ABBAS MARZOOQ Mr. HUDAIMATH SINAN Mr. JAGANNATH A
749.	49S_BE_1843	COFFEE HARVESTING MACHINE	B.E.	MECHATRONICS ENGINEERING	Mrs. PAVITRA KUMARI	Mr. PUNITH B N Mr. JITHESH Mr. R RISHAN Mr. ADARSH
750.	49S_MCA_0160	VEDAROGYA - INTELLIGENT AYURVEDIC HEALTH MONITORING AND PREDICTIVE CARE SYSTEM	M.C.A.	COMPUTER APPLICATIONS	Dr. MADHWARAJ K.G	Mr. NISHAL N POOJARY Mr. K VIVEK ACHARYA Ms. NISHMITHA V G Ms. ARPITHA
751.	49S_BE_0205	PERSONALIZED NEWS DIGEST	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHIVANANDA V SEERI	Mr. PRATHAMESH GODSE Mr. PRAJWAL SHETTY S Ms. SNEHA NAYAK
752.	49S_BE_0223	SMART DOG BELT	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Mr. ANEESH KUMAR A	Ms. SAKSHYA RAI Ms. DEEKSHA L J Ms. SPANDANA S
753.	49S_BE_0255	IOT-BASED ADVANCED VEHICLE TELEMETRY SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Mr. SANDEEP SEETARAN NAIK	Ms. NANDINI M N Ms. NAMRATHA
754.	49S_BE_0920	INDOOR NAVIGATION SYSTEM WITH OBJECT & FACE IDENTIFICATION FOR VISUALLY IMPAIRED INDIVIDUALS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. ANNAPPA SWAMY D R	Mr. ROHAN A S Ms. SINCHANA Ms. SAMEEKSHA Ms. VEDIKA L GIRAP
755.	49S_BE_0350	INTELLIGENT CHATBOT FOR RESTAURANT SERVICES	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. MANJUNATH H.	Ms. VIJETHA SHETTY Ms. REKHASHREE Ms. SANJANA Ms. SHWETHA
756.	49S_BE_0561	SMART ALERTS: NAVIGATING OBSTACLES AND ROAD HAZARDS WITH CONFIDENCE	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. RAJESH N KAMATH	Ms. SHABARI S SHETTY Ms. ATHMIYA NAYAK Ms. SHREYA Ms. RAKSHITHA R MOGAVEERA

757.	49S_BE_0785	INDOOR PATH OPTIMIZATION AND FOOD PREFERENCE SYSTEM WITH OPTIMIZED 2D AND 3D PATH MAPPING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. RAMANANDA MALLYA K	Ms. ADITHI D SHETTY Ms. DISHA H Ms. SHARANYA Ms. SYDEL WIVEL AFONSO
758.	49S_BE_0226	APTINOVA	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Mr. SANDEEP SEETARAM NAIK	Mr. POORNACHANDRA S GOWDA Mr. ABDUL KHADAR JILANI K K Mr. MAKARA Mr. ANUJITH P SHETTY
759.	49S_BE_6684	SURAKSHA-SAGAR: A COMMUNITY-CENTRIC SMART INFLATABLE SAFETY JACKET WITH INTEGRATED GPS FOR FISHERMEN AND MARITIME WORKERS USING IOT AND AI	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING, AERONAUTICAL ENGINEERING, IOT & CSBT	Dr. ANUSHREE RAJ Prof. VIJAYALAXMI H MANJUNATHA	Mr. CHETHAN Mr. LIKITH SRIKANTHA Ms. KHUSHI Ms. VARSHA RAO
760.	49S_BE_4283	AN ADAS-ORIENTED DEEP LEARNING BASED LSTM MODEL FOR REAL-TIME COGNITIVE STATE PREDICTION OF DRIVERS TO PREVENT DROWSINESS-RELATED VEHICLE ACCIDENTS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SUNIL KUMAR S	Mr. NITHISH KUMAR B Ms. SWAPNA HANDE D Mr. KARTHIK POOJAR Mr. V NAGARAJA
761.	49S_BE_2795	DEEP LEARNING ENABLED ADVANCED DRIVER ASSISTANCE SYSTEM (ADAS) ALIGNED FOR REAL TIME VEHICLE WARNING SYSTEM FOR COLLISION AVOIDANCE WITH OPTIMAL TRAJECTORY PLANNING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. YOGEESHA C. B	Mr. VIKAS M Ms. POOJA U HEGDE Ms. SHREYA SHETTY Ms. SINCHANA
762.	49S_BE_2786	DEEP LEARNING BASED REAL-TIME DETECTION OF MONKEY AND BISON INTRUSION IN FARM FIELD AND AUTONOMOUS HUMANE REPELLENT SYSTEM FOR CROP PROTECTION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SUNIL KUMAR S	Ms. SOUMYA Ms. H CHAITHALI KINI Ms. HITHASHREE B Ms. POOJA NAYAK
763.	49S_BE_1030	DESIGN AND DEVELOPMENT OF INTELLIGENT PARKING SYSTEM USING THE PC BASED AGV PARKING ROBOT	B.E.	MECHANICAL ENGINEERING	Mr. SWAROOP Mr. DEEPTHI KOTIAN	Mr. Koushik Shetty Mr. YUVARAJ Mr. CLENTON WILSON PINTO

108. MARATHA MANDAL'S ENGINEERING COLLEGE, BELAGAVI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
764.	49S_BE_2209	ZEROBIN: FROM EXTRA TO ESSENTIAL	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SUSHANT PATIL	Mr. SHRISHAIL PATIL Mr. SUDARSHAN AINAPUR Mr. SWAROOP BOKADEKAR Mr. SAMRAT MUGALI

109. MOUNT CARMEL COLLEGE AUTONOMOUS, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
765.	49S_MSC_0347	PHYTOCHEMICAL SCREENING AND MOLECULAR DOCKING STUDIES OF INDIAN SOLANUM'S AND MOMORDICA'S SPECIES AGAINST HUMAN RESPIRATORY VIRUSES.	M.Sc	BOTANY	Dr. SUMATHI R	Ms. ROHINI DAS Ms. KUSUMA M
766.	49S_MSC_0372	MINING TERMITE MOUND-ASSOCIATED MICROBES FOR ANTIMICROBIAL ACTIVITY AGAINST KEY PLANT PATHOGENS	M.Sc	LIFE SCIENCE	Dr. SAJITHA T P Dr. SUBA G.A. MANUEL	Mr. HARIHARAN B K Ms. ADITHI Y CHENJI Ms. BHUMIKA SHARMA
767.	49S_MSC_0194	OPTIMIZATION OF BERBERINE EXTRACTION AND BIOAVAILABILITY: IN VITRO FORMULATIONS AND COMPUTATIONAL DOCKING STUDIES FOR ANTIDIABETIC APPLICATIONS	M.Sc	BIOCHEMISTRY	Dr. MYRENE ROSELYN DSOUZA	Ms. RUCHITHA N. Mr. SHILPASHREE S. SHETTY
768.	49S_MCA_0236	AAKAR - AI - POWERED SOIL & CROP ADVISOR USING SATELLITE AND GROUND DATA FUSION	M.C.A.	COMPUTER APPLICATIONS	Dr. R DENIS Dr. P PETER JOSE	Ms. TINA REGI R Mr. ADNAN SHARIFF Mr. SANJAY H L Mr. CHETHAN M

110. N.M.A.M. INSTITUTE OF TECHNOLOGY, NITTE

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
769.	49S_BE_4561	AI-POWERED URBAN WATER CRISIS FORECASTING AND MONITORING SYSTEM FOR BENGALURU	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. NAVANEETH BHASKAR	Ms. TRISHA S SHETTY Mr. AMRITH R NAIK Mr. B J HRUTIK Mr. PRANAV R BHAT
770.	49S_BE_4647	SMART APICULTURE: AI-POWERED BEEHIVE MONITORING FOR IMPROVED COLONY HEALTH AND CROP POLLINATION	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. NAVANEETH BHASKAR	Ms. M RAKSHA KINI Ms. RHEA DMELLO Ms. SANJANA BOKDE Ms. VAISHNAVI J BANGERA
771.	49S_BE_6700	AUTOMATED ARECANUT GRADING USING SOUND DETECTION SYSTEM	B.E.	MECHANICAL ENGINEERING	Dr. RAVINDRA	Mr. HARSHITH DP Mr. MOHAMMED SHEHZEEB AHMED Mr. MOHAMMED SAFWAN Mr. CHIRAG H SHETTY

111. N.M.K.R.V. COLLEGE, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
772.	49S_MSC_0119	INTEGRATIVE OMICS APPROACHES TO MICROBIAL AND ENZYMATIC TREATMENT OF MICROPLASTICS FROM MUNICIPAL LANDFILL LEACHATE	M.Sc	BIOTECHNOLOGY	Dr. B R MRUNALINI	Ms. NIMISHA NEETESH Ms. SAAIMA AAFREEN
773.	49S_MSC_0318	ASSESSMENT, DETECTION AND PHOTOCATALYTIC DEGRADATION OF SUNSET YELLOW DYE: ADDRESSING FOOD SAFETY CONCERNS IN BAKERY AND ICECREAM PRODUCTS USING UV-VISIBLE SPECTROSCOPY	M.Sc	CHEMISTRY	Dr. ROOPA D L	Ms. MONIKA RANI Ms. AFREEN TAJ Ms. SHAGUFTA NAAZ Ms. KEERTHANA.N

112. NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
774.	49S_BE_7136	VIRTUAL ART THERAPY TOOL THAT INTERPRETS USER SKETCHES FOR MENTAL INSIGHTS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. YADVIKA JAYAM	Ms. MONIKA L Ms. BINDUMATHI R A Ms. SRAVANTHI Ms. RISHITHA S
775.	49S_BE_5443	A DIGITAL LEAP IN SUPPLY CHAIN MANAGEMENT USING LOCATION-BASED SERVICES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. GOPINATH A R	Ms. TRIVENI POLICE PATIL Ms. VATSALA Ms. VYSHNAVI K
776.	49S_BE_5549	AI THIRD UMPIRE LBW DETECTION SYSTEM USING DEEP LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHILPASHREE. S	Mr. DEEPAK H R Mr. CHARAN R Mr. G MOHAN GANESH REDDY
777.	49S_BE_5222	DESIGN AND DEVELOPMENT OF A FLEXIBLE AI-INTEGRATED INTRAORAL IMAGING DEVICE FOR REAL-TIME DENTAL DIAGNOSTICS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. RAMESH M. KAGALKAR	Mr. CHETHAN K P Mr. DHANRAJ M V Mr. KEERTHI M Mr. ULLAS N G

113. NAGARJUNA COLLEGE OF MANAGEMENT STUDIES, CHIKKABALLAPURA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
778.	49S_MBA_0123	FABRICATION OF BIODEGRADABLE MULCHING SHEETS FROM BANANA PSEUDO STEM FIBERS AS AN ALTERNATIVE TO CONVENTIONAL PLASTIC MULCH	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. GIRISH KUMAR H V	Ms. MOUNIKA C R Ms. SINDHU G L Ms. ANUSHA C M
779.	49S_MBA_0129	ECO-FRIENDLY DUST-FREE HERBAL CHALK PENCIL AS A SOLUTION TO CHALK-DUST-INDUCED CLASSROOM HEALTH HAZARDS	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Ms. TRIVENI N	Ms. SUSHMITHA S. Mr. NANDAN N Mr. DARSHAN HV
780.	49S_MBA_0117	BIO-KITCHEN INNOVATIONS: DESIGN AND FABRICATION OF BAMBOO KITCHEN UTILITY PRODUCTS FOR SUSTAINABLE HOUSEHOLDS	M.B.A	MANAGEMENT STUDIES	Mr. RAKSHITH GOWDA	Ms. SNEHA.G Mr. PUSALA CHAKRADHAR Ms. LAYA SHREE N

114. NAVKIS COLLEGE OF ENGINEERING, HASSAN

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
781.	49S_BE_6094	INTELLIGENT AGRICULTURE A UNIFIED IOT AND MACHINE LEARNING MODEL FOR CROP RECOMMENDATION AND AUTOMATED IRRIGATION	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. PRADEEP N R Mrs. VIDYA H A	Mr. SYED SAAD AHAMMED KHADRI Mr. SANDEEP H G Mr. RAHUL S T Mr. VINAL P L
782.	49S_BE_4425	LIVECAP REAL-TIME PACKET SNIFFER	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SATHISHA M S	Mr. ABHISHEK DEVARAJ BHANGI Ms. HARSHITHA B G Mr. ROHITH A M Mr. S L NIVAS
783.	49S_BE_4686	AI-POWERED TRAFFIC SURVEILLANCE AND MANAGEMENT SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. DINESH S	Ms. THANUSHREE M V Ms. BHOMIKA A L Ms. YASHASWINI B R Ms. HARSHITHA M
784.	49S_BE_7047	SIGN LANGUAGE DETECTION USING DEEP LEARNING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. DINESH S	Ms. SADAF FATHIMA Ms. SINCHANA ALPHONSE Ms. UMME ROOMAAN Mr. DHANUSH GOWDA M.M
785.	49S_BE_4185	SMS PHISHING DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. RAGHU NANDAN R Dr. MAHANTESH C ELEMIMI	Mr. DHANUSH C S Ms. DARSHANA M Ms. HEMALATHA B M Mr. HEMRAJ D

115. NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
786.	49S_BE_7121	FABRICATION OF RESCUE ROVER FOR AN EMERGENCY VEHICLE UNDER ALL-TERRAIN CONDITIONS	B.E.	MECHANICAL ENGINEERING	Dr. JAYASHEEL KUMAR K A	Mr. HARSHA.S Mr. MADHAN KUMAR
787.	49S_BE_7131	DESIGN AND DEVELOPMENT OF A WEARABLE AIR QUALITY ENVIRONMENT MONITOR	B.E.	MECHANICAL ENGINEERING	Prof. RAJESH A	Mr. BHUVAN C S Mr. SHIVANAND KAMATAR
788.	49S_BE_0327	PORTABLE, HUMAN-ENERGY CHARGER FOR RURAL AND EMERGENCY USE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. SUJITHA S	Ms. BHAVANA C Mr. CHARAN KORA Mr. CHARAN D S
789.	49S_BE_0331	GENERATION OF ELECTRICITY USING SOLAR-WIND HYBRID SYSTEM TO CHARGE ELECTRIC VEHICLES WITH V2H CAPABILITY	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. VINOD KUMAR S Dr. S SUJITHA	Mr. TIROTAMAN K Ms. MEENAKSHI J C Ms. RESHMA RAJ K R Ms. SHREYA N
790.	49S_BE_0441	DEVELOPMENT OF AN INTELLIGENT REAL-TIME ROUTE OPTIMISATION AND NAVIGATION SYSTEM FOR TRAFFIC MANAGEMENT	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mrs. SANGEETHA C N	Ms. GOWRI MANOJKUMAR Ms. IQRA BASHIR
791.	49S_BE_0587	DESIGN OF NEXT GENERATION WATER ATM FOR DROUGHT AREAS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. AGALYA V	Mr. PUNITH KUMAR D Mr. YATHISHKUMARA DR Mr. PAVAN KUMAR M Mr. INDRA VARMA
792.	49S_BE_0667	REAL-TIME MONITORING AND PRIORITY LOAD BALANCING SYSTEM FOR ELECTRIC VEHICLE CHARGING IN THREE-PHASE DISTRIBUTION NETWORKS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. SUNIL S K	Mr. PRAJWAL MR Mr. PRAVEENKUMAR RAMESH KARIGAR Mr. T PURUSHOTAM Mr. V BHARGAV
793.	49S_BE_2886	AI-ASSISTED REAL-TIME ROUTER FOR INTELLIGENT ELECTRIC VEHICLE COMMUNICATION SYSTEMS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. S. SUJITHA	Mr. RAJ SINGH Mr. NISHANT GUPTA Ms. RANI GUPTA R Ms. RENUKA R RAMAKRISHNAN
794.	49S_MBA_0080	AUTOMATED SMART PESTICIDE SPRINKLING SYSTEM USING OVERHEAD TANK AND SENSOR-BASED CONTROL FOR 1 ACRE AGRICULTURAL LAND	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. ANKITA NATHUJI JEEWANKAR Mr. RAJAT B HUBBALLI	Mr. N KETHAN VIGNESH Ms. PAVITHRA TG Mr. UDAYA KUMAR V Mr. SAM JEFFREY RAJ. S
795.	49S_MBA_0152	NANO CARBON SCRUB: DEEP CLEAN, PURE POWER, ZERO TOXINS	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. NEELIMA RAVINDRAN K	Mr. ATHARVA YESUMALI Mr. SUYOG REDDY KC Mr. SURAJ SAI M Ms. SOWBHAGYA NAYAK
796.	49S_MBA_0103	AI & IOT USAGE FOR DIGITAL MARKETING FOR RURAL ENTREPRENEURS	M.B.A	INDUSTRIAL INTERNET OF THINGS	Prof. RAJAT B HUBBALLI	Mr. ABHAY D KALAL Ms. P VAISHNAVI Mr. DARSHAN PATIL Ms. CHITHRA G

797.	49S_BE_0584	INTELLIGENCE AQUA BOT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SONIA MARIA D'SOUZA Dr. AKSHATHA P S	Mr. P BALASUBRAMANIAN Mr. PACHIPALA NAGENDRA REDDY Mr. PARIVARTHAN REDDY M Ms. PRAGATHI K A
798.	49S_BE_0600	REAL-TIME AI DRIVEN DEFECT DETECTION SYSTEM USING VISION AND WEIGHT SENSING FOR PLASTIC BOTTLE INSPECTION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. THANU DEEPU GEORGE	Mr. RONIT RATURI Ms. SAMMETA DHARMIKA Ms. PUTLUR PRANISREE Ms. P.SHAINY
799.	49S_BE_0616	DESIGN AND DEVELOPMENT OF AGGRONITE FOR THE SERICULTURE TO THE THREAT AND PREDICTION ANALYSIS THROUGH MACHINE LEARNING MODELS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SONIA MARIA D'SOUZA Prof. SIVASANKARI SS	Mr. RICKY Mr. TANISH.M.SANGHVI Ms. SHIVANI RAJKUMAR Mr. G M PRAVEEN KUMAR
800.	49S_BE_0686	REAL-TIME MULTI-SPEAKER VOICE SEPARATOR WITH LIVE TRANSCRIPTION & TRANSLATION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Ms. P SUSHMA Dr. SONIA MARIA DSOUZA	Mr. SHASHIDHAR R Mr. V.RANJITH Mr. Koushik Mr. CHARAN M
801.	49S_BE_0786	AI-DRIVEN TRAFFIC OPTIMIZATION AND EMERGENCY RESPONSE SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. N V UMA REDDY	Ms. PRIYA DARSHINI T Ms. NEHA T M Mr. RITHUN C Ms. S MOKSHITHA
802.	49S_BE_0931	CLEVER LEARN: AI-POWERED CONVERSATIONAL PDF ASSISTANT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. N V UMA REDDY	Ms. SALONI JANGID Ms. DEEKSHITHA D GANIGA Ms. HARSHITHA P SHETTY Mr. SUYASH GANESH PATIL
803.	49S_BE_1021	SKYNET DEFENCE SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SOWMYA H K	Mr. NANDADEEP YADAV Mr. RIZUANUL HAQUE RIZU Mr. KEVIN JOSEPH C M
804.	49S_BE_1174	OORU ALERT- A CROUDSOURCED URBAN ISSUE REPORTING SYSTEM FOR BENGALURU	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. SINDHUJA R	Ms. ASHWINI PRASATHKANNAN
805.	49S_BE_1507	PIXELCLOAK: CONCEAL SENSITIVE INFORMATION IN MEDIA FILES	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Ms. SHRAVYA SHETTY	Ms. SADIYA MEHNAZ Ms. VINAYA S M Ms. TASHU L Ms. SIREESHA K S
806.	49S_BE_1539	AI-DRIVEN CROWD DENSITY ESTIMATION FOR SMART PUBLIC SAFETY MONITORING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. RAJASREE R S	Mr. MOHAMMED AYAAN KHAN Mr. MOHAMMED AMEEN Mr. SADAAD MOHAMMAD BABA Mr. SALIM JAVID BABA
807.	49S_BE_2281	AN INTELLIGENT MULTI-AGENT SYSTEM FOR PAEDIATRIC ONCOLOGY SUPPORT USING LARGE LANGUAGE MODELS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. RAMYASHREE	Ms. RAJALAKSHMI R Ms. SONAL SHIRKE Mr. KIRUTHIK.J
808.	49S_MCA_0024	GURUKUL 2.0 - ONLINE LEARNING PLATFORM	M.C.A.	COMPUTER APPLICATIONS	Dr. N MITHILI DEVI Dr. V. ASHA	Mr. MADDI MANOJ KUMAR Mr. MAHAMED SAHIL Mr. MADHU G N Mr. MANJUNATHGOUD M PATIL
809.	49S_MCA_0032	DEVELOPING SELF-RELIANT RURAL COMMUNITIES THROUGH SUSTAINABLE LIVELIHOODS	M.C.A.	COMPUTER APPLICATIONS	Dr. PRIYA THOMAS Dr. V ASHA	Ms. VAISHNAVI RANJIT BONGALE Mr. TEJAS GOWDA Mr. UDAY C
810.	49S_MCA_0037	ANIMAL-FRIENDLY BIRD REPELLENT SYSTEM	M.C.A.	COMPUTER APPLICATIONS	Mrs. A.KALAIVANI Dr. V. ASHA	Mr. RISHAB ROY Mr. SAARTHAK KEHRI Ms. RANJITHA Ms. R MANOGNA
811.	49S_MCA_0043	IOT BUOY SYSTEM FOR MONITORING AND PREDICTING POLLUTION IN URBAN LAKES	M.C.A.	COMPUTER APPLICATIONS	Prof. SATHYA J Dr. V. ASHA	Ms. SHREYA D S Ms. SHUBHASHREE T K Ms. SNEHA G R Mr. SAMARTH KALAGOUDA PATIL
812.	49S_MCA_0036	AN INTELLIGENT SELF-REGULATING GREEN ROOF SYSTEM FOR HEAT REDUCTION AND ENVIRONMENTAL SUSTAINABILITY	M.C.A.	COMPUTER APPLICATIONS	Dr. B NITHYA RAMESH Dr. V ASHA	Mr. DENNI DILIP J Mr. CHINTHA JAYANTH Mr. CHINTHA VENKATESH Mr. DARSHAN V
813.	49S_MCA_0045	EMPOWERING RURAL KARNATAKA'S SHGS-SAARTHIKA LOGISTICS	M.C.A.	COMPUTER APPLICATIONS	Dr. ARPANA PRASAD Dr. V ASHA	Ms. BHANUPRIYA K Ms. ANUGUNTI SANDHYA Ms. BEAUTY MANNA Mr. ASHISH KUMAR

814.	49S_BE_0794	HEALING HANDS: YOGA MUDRA DETECTION AND CORRECTION USING AI/ML	B.E.	COMPUTER ENGINEERING	Dr. T KAVITHA	Ms. THOPPE SRIDHAR SRIVARSHINE Ms. NIVEDITA NIRAN Ms. PRANJALI SINHA Ms. PREEYANKA SHREE
815.	49S_BE_0341	CAMPUSTALK	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. D LINCY RANJANA Prof. ROJA R	Ms. TASNEEM JAMEELA S Ms. SYEDA KUBRA Ms. VAISHNAVI ADIVEPPA MALAGALI Ms. PRUTHVI TIMMANNA MANTANAVAR
816.	49S_BE_0455	VEHICLE RESCUE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SONALIMAHURE	Ms. PRADEEKSHA KS Ms. PALLAVI M G Ms. PRARTHANA H M Ms. RACHANA G
817.	49S_BE_0462	AI-POWERED SMART EDUCATIONAL ASSESSMENT AND LEARNING SYSTEM FOR PERSONALIZED EDUCATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. SENTHIL ANANDHI A Dr. D. ROJA RAMANI	Mr. ADARSH T AMBIAR Mr. BALU CHANDRASHEKAR Mr. ERIC ALEXANDER VARGHESE Mr. NANDAN KANNOTH
818.	49S_BE_0477	KANNADADA KAGUNITHA	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. KAVITHA K N	Ms. HEMA PUSHPA J Ms. GEETHASHREE J M Mr. ASHOK G Mr. SUNIL KUMAR D O
819.	49S_BE_0562	SMARTEDUKIT: AN AI-POWERED LEARNING ASSISTANT APPLICATION FOR LEARNERS OF ALL AGES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. MARUTHU PANDI	Mr. A MANAS REDDY Mr. AMAN KUMAR Mr. ARYAN ANAND Mr. ARYAN BAGLIA
820.	49S_BE_0838	AUTOEVAL - AUTOMATED CONTINUOUS EVALUATION FOR STUDENTS USING GENERATED FLASHCARDS, QUIZZES AND CUMULATIVE FEEDBACK BASED ON SYLLABUS AND SCHEDULE.	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. MRADULA	Ms. PAVANI A Ms. PALLAVISHREE S Ms. PRABHA PRAVEEN KINI Ms. SHARADA KUMARI V
821.	49S_BE_0854	MINDCRAFT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. RAHUL B Prof. SANDESH D MANOCHARYA	Ms. SARAYU VALTETI Mr. VISHUSAI VAIBHAV KAMASAMUDRAM Mr. AMIT KUMAR NAYAK Ms. SWARNA ARAMOTI
822.	49S_BE_0904	AUTO ASSESS: FAST AND ACCURATE GRADING PLATFORM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. MEHDA B Dr. SONALI MAHURE JAGADISH	Mr. VISHNU RAO L Mr. VIGYAT BHAT Ms. YASHASVI M Ms. AISHWARYA C SHETTY
823.	49S_BE_1024	WANDERWISE - PERSONALIZED ITINERARY GENERATION IN SMART TOURISM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. FLORANCE G	Ms. KAVYA L Mr. GOPI HEMANTH Ms. MONICA P
824.	49S_BE_2752	EDU MATE: AN ALL-IN-ONE-SMART STUDENT DASHBOARD	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Ms. B. CHANNARAYA PRIYA	Mr. C TEENU DEEKSHITH Mr. N SHRIYAAN Mr. B CHANDAN Mr. H TEJA
825.	49S_BE_2879	CITYSCAPE AI: SMART RESILIENT CITY PLATFORM	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Mrs. PALLAVI NAYAK	Mr. TUHIN GHOSH Ms. TANISHA SWAMI Mr. MIR KIRDAR ABBAS Mr. NAMAN UPRETI
826.	49S_BE_2966	MINDLOOP	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Ms. SHEFALI SHARMA	Mr. KEERTHAN POOVAIAH M M Mr. G SHREYAS SHETTY Mr. SRIKARA K Mr. SATHWIK
827.	49S_BE_3479	PARISARA SALAHEGARA-AI POWERED ECO ADVISOR	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Dr. B SWATHI	Ms. VRINDHA NANDHINI V Mr. K NIRANJAN Ms. TANUSHREE D KOTIAN Mr. MANJUNATHA V S
828.	49S_BE_0638	EDUTRACK: AI BASED PERSONALIZED LEARNING THROUGH SECURE ANALYTICS QUALITY EDUCATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. K THAMARAISELVI Prof. SRIHARSHINI DEVI KAIPA	Mr. SANTOSHKUMAR Ms. SHRADDHA SHENOY Mr. SUHAS S Ms. VIDYASHREE H SHETTY

829.	49S_BE_0678	IOT- ENABLED MICROPROCESSOR ASSESSMENT SYSTEM FOR PORTABLE LEARNING LABS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. BHAKTI SHASHIKANTH KAMATE	Mr. NITHIN BHASKARAN Ms. ROSHNI KUMARI JOSHI
830.	49S_BE_1072	ECHOPATH - TRANSLATING VOICES, ENABLING FUTURE	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SHRUTHI G R	Mr. SHASHANK H D Mr. S HARSHA BHAT Mr. TARUN RAO Ms. SUKEERTI VANI JHA
831.	49S_BE_4398	DESIGN AND FABRICATION OF AN ELECTROMECHANICAL STAIR NAVIGATION AID FOR WHEELCHAIR USERS	B.E.	MECHANICAL ENGINEERING	Prof. RAKESH C	Mr. S DHURVA Mr. SATVIK KRISHNA SINGH Mr. MOHAMMED TAMEEM SHARIFF

116. NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
832.	49S_BE_5426	ENHANCING SMART CITY PLANNING AT DEVANAHALLI THROUGH BIM-DRIVEN VR AND AR INTEGRATION	B.E.	CIVIL ENGINEERING	Dr. MAHESH KUMAR C L Prof. SHWETHA K G	Mr. NIKHIL KUMAR N Mr. NITHIN CHANDRA Mr. SINDHOORLAKSHMAN BABU PAWAR
833.	49S_BE_6914	PERFORMANCE EVALUATION OF BIOCHAR-GGBS MODIFIED COMPRESSED EARTH BLOCKS FOR LOW CARBON CONSTRUCTION	B.E.	CIVIL ENGINEERING	Dr. SUMARAJ	Mr. KARTHIK J M Mr. TAHA MUQTHADIR Mr. SANTHOSH S Mr. SHIVA KUMAR H R
834.	49S_BE_2938	DEVELOPMENT OF FLEXIBLE POLYMER NANOCOMPOSITE FILMS FOR ELECTROMAGNETIC INTERFERENCE (EMI) SHIELDING APPLICATIONS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. SHREERAM V KULKARNI Dr. PRAVEEN NAIK	Mr. VARUNA M Mr. YUVRAJ SINGH Ms. CHANDANA A
835.	49S_BE_5090	AI-OPTIMIZED RENEWABLE ENERGY ELECTRIC FENCE ENERGIZER WITH ADAPTIVE VOLTAGE CONTROL AND IEC SAFETY	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Ms. REMYA MADHAVAN U	Mr. VISHWANATH REDDY Ms. VAISHNAVI K Mr. PRAJWAL HG
836.	49S_BE_6420	DYNAMIC HYBRID THERMAL MANAGEMENT SYSTEM FOR LITHIUM - ION BATTERY	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Ms. SMITHA B	Mr. DHEERAJ.C Mr. VIVEK. G. N Ms. SALONI MARIA VAS Mr. SHREYAS DUBEY
837.	49S_BE_6001	DESIGN AND OPTIMIZATION OF FLEXIBLE PROPELLER FOR MAV APPLICATION	B.E.	AERONAUTICAL ENGINEERING	Mr. DEEPAK KUMAR Dr. JINI RAJ	Ms. CHINNA KAVYA Ms. AAMINA TABASSUM Ms. BHARGAVI D
838.	49S_BE_6766	DEVELOPMENT OF NEXT-GENERATION BIO INSPIRED MORPHING LEADING-EDGE TUBERCLES OF WINGS TO ENHANCE FUEL EFFICIENCY AND MANEUVERABILITY IN UNMANNED AERIAL VEHICLES	B.E.	AERONAUTICAL ENGINEERING	Dr. JINI RAJ.R	Ms. CHAITHRA.K Ms. ADITI ABHILASHA Ms. H.R ANKITHA
839.	49S_MBA_0139	INNOVATIVE UTILIZATION OF ARECA NUT HUSK FIBERS TO PRODUCE SUSTAINABLE CLOTHING MATERIAL	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. KEERTHI H K Dr. LAKSHMI.H	Ms. AMRUTHA Ms. KAVYA J
840.	49S_BE_0089	ENHANCING SOLAR UPS RELIABILITY THROUGH AI-DRIVEN FAILURE PREDICTION USING XGBOOST	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. ANU D	Mr. PRANAV KAWALE Mr. UJJAWAL Ms. MANSI HONGEKAR Ms. SANJANA D SOORI
841.	49S_BE_0232	LUNA - A VOICE-ACTIVATED EMOTIONAL SUPPORT SYSTEM DRIVEN BY GLOBAL WISDOM AND SONOTHERAPY	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Ms. LAKSHMANA Dr. SHASHIDHAR	Ms. SANDHYA SHREE V Ms. VAISHNAVI Ms. ANKITHA S Mr. SRI PRAVEEN
842.	49S_MTECH_0057	HAPTIC AND AI ENABLED ADAPTIVE TREMOR CONTROL SYSTEM FOR TREMOR IN ELDERLY PATIENTS.	M.Tech	ROBOTICS AND AI	Dr. PRASHANTH N Dr. VIJAY KUMAR S	Ms. K M JANYA
843.	49S_MTECH_0068	DESIGN AND DEVELOPMENT OF A MULTI-UTILITY INDOOR SERVICE ROBOT FOR HOSPITALS	M.Tech	ROBOTICS AND AI	Dr. PRASHANTH N Mr. SUNIL KUMAR H S	Mr. VISHNU SUNIL
844.	49S_BE_3874	DESIGN OF ROAD TRAFFIC MANAGEMENT AND CONTROL NETWORK ARCHITECTURE BASED ON SDN	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. SUNIL KUMAR V	Mr. YOGEEESH M G Mr. NAGENDRA KRISHNA MOGER
845.	49S_BE_5043	REAL-TIME ADAS FOR INDIAN ROAD HAZARD DETECTION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Ms. LADLY PATEL	Ms. YASHIKA CHAWLA Ms. GAURI JEETENDRA OJHA Ms. HANSIKA GUNTI
846.	49S_BE_6230	SYNTHETIC-TO-SMART: ENHANCING EV BATTERY INSIGHTS USING TIMEGAN AND TFT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mrs. DIVYARAJ G N	Ms. VINISHA A Mr. HEMANTH KUMAR D Mr. SHASHANK G Mr. SHIVAPRASAD

847.	49S_BE_2077	ARCHGPT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. NIRMALA J. SOUNSHIMATH	Mr. MOHAMMED FARAZ KHAN Mr. DHANWANTH PRATHEEP
848.	49S_BE_3637	ECODRIFT: TRACKING INDIA'S PLASTIC SPILLOVERS FROM LAND TO WATER	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. SOWMYA M. R.	Ms. ROMITA SARKAR Ms. MEGHANA K C Ms. JEEYA SHAH
849.	49S_BE_3073	LIV-AR: A WEB-BASED AUGMENTED REALITY PLATFORM FOR IMMERSIVE NCERT HISTORY EDUCATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. VANI E S	Mr. ATHARVA S A
850.	49S_MCA_0052	EARLY PREDICTION OF STROKE AND CARDIAC ARREST RISK USING MACHINE LEARNING	M.C.A.	COMPUTER APPLICATIONS	Dr. DILEEP M R Dr. VIDYA SAGAR S D	Mr. ARUN B DHARWAD Mr. AKSHOBHYA.P Mr. DARSHAN N Mr. HEMANTH KUMAR H M
851.	49S_MCA_0053	ROADGAURD - A SMART ROADKILL REPORTING AND HOTSPOT MAPPING SYSTEM USING MOBILE CROWDSOURCING AND GEOSPATIAL ANALYSIS	M.C.A.	COMPUTER APPLICATIONS	Dr. DILEEP M R Dr. SREEKANTH R	Mr. DEEPAK S Mr. LOHITH M S Mr. ABHISHEK S Mr. AJMAL ALI KHAN
852.	49S_MCA_0068	MULTI-DIALECT TRANSLATION APP: ENHANCING COMMUNICATION ACROSS KARNATAKA BY FACILITATING INTERACTION BETWEEN FARMERS, TOURISTS AND LOCALS	M.C.A.	COMPUTER APPLICATIONS	Dr. SATHISH P Mr. CHANNABASAVA P	Mr. PRADEEP C Mr. PRASANNA VIGNESHWAR BHAT Ms. SUPRITHA D Mr. VIVEK Y
853.	49S_MCA_0110	AERIAL CITY SCANNING SYSTEM	M.C.A.	COMPUTER APPLICATIONS	Dr. SATHISH P	Mr. VARUN S Mr. THRILOK B Mr. AKASH M A Mr. SATHWIK S R
854.	49S_MCA_0135	MILK LINK - SMART DAIRY ADVISORY SYSTEM	M.C.A.	COMPUTER APPLICATIONS	Dr. SREEKANTH R Dr. VIDYA SAGAR S D	Mr. G SUDEEP KUMAR Mr. HASSAN BAIG Mr. M G SHIVAPRASAD Mr. PRAJWAL
855.	49S_BE_3168	DESIGN AND FABRICATION OF LOW-COST SOLAR ENERGY HARVESTING SYSTEM FOR RURAL APPLICATIONS	B.E.	MECHANICAL ENGINEERING	Dr. ABDULRAJAK BURADI	Mr. AKSAHY Mr. SUMANTH GOWDA H Mr. MARUTHI K
856.	49S_BE_3915	DEVELOPMENT OF A COST-EFFECTIVE AND MODULAR SOLAR PANEL CLEANING MECHANISM	B.E.	MECHANICAL ENGINEERING	Dr. DR. L HARISH KUMAR	Mr. SAMEERA G KASHI Mr. BHARGAV RAM S R Mr. H VISHNU Mr. DHEERAJ N P

117. P.A. COLLEGE OF ENGINEERING, MANGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
857.	49S_BE_2497	COFFEE LEAF DISEASE DETECTION USING DEEP LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SALEEM MALIK	Mr. PREETHAM K Mr. DHANUSH HC Mr. LIKHIT RAMESH NAIK Mr. SUMANTH N

118. P.D.A. COLLEGE OF ENGINEERING, KALABURAGI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
858.	49S_BE_4753	MANUFACTURE & TESTING OF GROG MODIFIED MGO-C BRICKS	B.E.	CERAMIC AND CEMENT TECHNOLOGY	Dr. SHARANABASS APPA B. PATIL	Mr. NAVEEN MARUTI NAIK Mr. KARTHIK P MUTTAGI Mr. SHIVSHARANPPA
859.	49S_BE_5245	MANUFACTURING AND TESTING OF MONOLITHIC REFRACTORIES	B.E.	CERAMIC AND CEMENT TECHNOLOGY	Dr. VEERESH MALLAPUR	Mr. SIDDARAM Mr. PANGA PRAHLADA

119. P.E.S. COLLEGE OF ENGINEERING, MANDYA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
860.	49S_BE_2444	PREDICTION OF BIOFERTILIZER CHARACTERISTICS DERIVED FROM DIFFERENT LEAVES USING MACHINE LEARNING (ML) TECHNIQUES	B.E.	MECHANICAL ENGINEERING	Dr. RUPESH S	Mr. HARSHA M Ms. HARSHITHA K Mr. HEMANTH B K Mr. HEMANTH GOWDA M C
861.	49S_BE_1900	DESIGN AND FABRICATION OF A MULTI FUNCTIONAL SMART FLOOR CLEANING AND SANITIZING ROBOT WITH AIR BLOWER SYSTEM	B.E.	MECHANICAL ENGINEERING	Dr. MAHENDRA BABU K J	Mr. DARSHAN V Mr. DARSHAN GOWDA C K Mr. DEEKSHITH B Mr. DEEPAK H N

862.	49S_BE_3551	FEASIBILITY STUDY ON THE IMPLEMENTATION OF ROOFTOP RAINWATER HARVESTING FOR SUSTAINABLE WATER MANAGEMENT AT CIVIL AND ELECTRICAL BLOCKS, PESCE MANDYA	B.E.	CIVIL ENGINEERING	Dr. H C CHOWDEGOWDA Prof. MADHUSUDHAN M S	Ms. SANJANA B E Ms. N PALLAVI Mr. SUDEEP U K Mr. ROHAN V
863.	49S_BE_4442	STABILIZATION OF MUD BLOCKS USING INDUSTRIAL WASTE MATERIALS	B.E.	CIVIL ENGINEERING	Dr. S. NAVEEN KUMAR	Mr. C.LALTHAZUALA Mr. SAIZAMPUJA SAILO Ms. A. HARSHITHA Ms. MOUNASHREE B. N.
864.	49S_MBA_0092	HAND OPERATION SEWING MACHINE FOR DIFFERENTLY ABLED	M.B.A	FINANCE AND HUMAN RESOURCE	Dr. ALUREGOWDA Dr. MAHESH A S	Ms. SHOBHUTHA G N Mr. VENKATESHA R Mr. NISHANK ATHANUR
865.	49S_BE_3870	MULTI-AGENT AI FRAMEWORK FOR SMART CITY EMERGENCY RESPONSE AND NOISE MANAGEMENT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. M S SHANTHI SWAROOP	Ms. SHAMBHAVI.M.P Ms. SAMPADA.K.S Mr. LIKITH GOWDA.K Mr. ADITHYA.S.P
866.	49S_BE_5074	IOT AND MACHINE LEARNING-BASED FRAMEWORK FOR REAL-TIME METHANE GAS DETECTION AND BOVINE HEALTH MONITORING IN DAIRY FARMS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. DEEPIKA	Mr. CHIRANTH S SHETTY Mr. ADITHYA VERMA M A Mr. ABHINAV K G Mr. G SUHAS KARTIK
867.	49S_MCA_0191	TRASH2CASH	M.C.A.	COMPUTER APPLICATIONS	Prof. K. M. SOWMYASHREE Prof. H. L. SHILPA	Ms. UMMEHANI M D Ms. DIVYA R N Ms. SINCHANA.S Ms. DHANU
868.	49S_MCA_0165	ANOMALY DETECTION AND FAULT PREDICTION IN SPACECRAFT SENSORS	M.C.A.	COMPUTER APPLICATIONS	Dr. H R DIWAKAR Mrs. B.S. MEGHANA	Ms. VIDYA SHREE B Ms. DEVIKA B N Mr. LOHITH H A Mr. RAHUL KUMAR S M

120. P.E.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA

Sl. No	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
869.	49S_BE_2925	MULTILINGUAL AI-POWERED SPEECH THERAPY FOR APHASIA	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. PRIYANKA B G	Ms. SHAFIQHA KHANU Ms. NAYANA N Ms. SUKANYA M H Mr. VIRUPAKSHI
870.	49S_BE_3397	PREDICTION OF ARTIFICIAL GROUNDWATER RECHARGE POTENTIAL ZONES USING MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. MADHU D NAIK	Mr. PRAJWAL B Mr. NAVANEESH RAJ Mr. RAKESH S Mr. ULLAS N P
871.	49S_BE_0957	TRANSGENDER JOBS AND HEALTHCARE PORTFOLIO	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. RAMESH D	Ms. VAISHNAVI P BHAT Ms. DEEKSHA D Ms. SAHANA. N Ms. SHAMA S A
872.	49S_BE_1274	ENHANCED DRONE AUTONOMY IN CHALLENGING SCENARIO USING REINFORCEMENT LEARNING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. MADESHA M	Ms. KAVYASHREE G P Ms. POOJITHA H S Mr. VINAY H N Ms. YOGITHA S
873.	49S_BE_2451	BLOCKCHAIN DRIVEN LAND OWNERSHIP VERIFICATION SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. MOUNESHACHARI S Mr. VINAY S K	Ms. DIVYA B H Ms. CHANDANA G M Ms. PRUTHVI C HALAGERI Ms. SANJANA A
874.	49S_BE_1365	IOT-BASED SMART POWER MONITORING AND MANAGING SYSTEM FOR THE HOME APPLIANCES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. MRS. SANGEETHA B S	Ms. LIKITHA L H Ms. GANGA S B Ms. KEERTHANA H S Mr. LAKSHMISAGAR K N
875.	49S_BE_1548	AUTOMATIC SPEED LIMIT CONTROL SYSTEM IN SPEED LIMITED AREAS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. SHYAMALA S C Mrs. SHYAMALA S C	Mr. RAHUL R CHITRAGAR Mr. GAGANDEEP C N Mr. DARSHAN P
876.	49S_BE_1556	PORTABLE ECG M HEALTH	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. MR. VAYUSUTHA M Mrs. MRS. ADITHI M	Mr. MR. SHARATH S M Mr. MR. PRADYUMN D Mr. MR. SHIVU C Ms. MS. SHREERAKSHA S R
877.	49S_BE_1641	A HYBRID ELEPTICAL CURVE CRYPTOGRAPHY TECHNIQUE FOR SECURED COMMUNICATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. LAVANYA R NAYAK	Mr. PRAJWAL LAWRENCE DSOUZA Mr. SHAKEEL AHMED Mr. SYED MALIK Mr. TEJAS S BHARADWAJ
878.	49S_BE_1685	ADAPTIVE THERAPEUTIC MATTRESS FOR BEDSORE PREVENTION AND RELIEF	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. MRS. SHYAMALA S C	Mr. ARCHANA V BHANDARI Ms. HARSHAVI H M Ms. AMRUTHA BADIGER Ms. NANDINI S P

879.	49S_BE_1715	AI-BASED IOT HEALTH MONITORING WITH PRIMARY SUGGESTION AND ALERT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. VAYUSUTHA.M Mr. HANUMANTHA PPA MAGALADA	Ms. HAMSA .S Mr. GAGAN .A J Mr. PRAMOD.G Mr. RAKESH I PUJAR
------	-------------	--	------	---	---	--

121. P.E.S. UNIVERSITY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
880.	49S_BE_1530	AUTOMATED BCS DRUG CATEGORIZATION USING MACHINE LEARNING: AN EXPLAINABLE AI APPROACH FOR BCS CLASSIFICATION SYSTEM	B.E.	COMPUTER SCIENCE	Dr. PRAJWALA T R Dr. SANIYA JAWED	Mr. HARI KIRAN K Mr. HARI SHANKAR Ms. KRUPA S Mr. RHUSHYA K C
881.	49S_BE_2489	AN INTEGRATED PLATFORM FOR ADAPTIVE EXAM PREPARATION AND DYNAMIC QUESTION GENERATION IN HIGHER EDUCATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. MANJU	Ms. ROSHNA K THOMAS Mr. VEDANT KAMLESH MARATHE Mr. PARIKSHIT SHARMA Ms. SAHANA K KATENAHALI
882.	49S_BE_4736	PLANTPAL: DRONE AND NLP SYSTEM FOR INTELLIGENT PLANT DISEASE DIAGNOSIS AND IMPROVED USER ENGAGEMENT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. KAVITHA	Mr. PRAJWAL M JOSHI Mr. MRUNAL R ANANDACHE Ms. PAVANA SHREE M Ms. PAVANA N
883.	49S_BE_6323	AI-DRIVEN REAL-TIME ANALYSIS OF AMNIOTIC FLUID INDEX FOR FETAL HEALTH ASSESSMENT AND DECISION SUPPORT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SARITHA	Mr. ASHHAD ASIF SAYED Mr. KOUSTHUBH N GOWDA Mr. KARTHIK B Ms. NETRAVATHI BANDI

122. PRESIDENCY UNIVERSITY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
884.	49S_BE_4264	DEVELOPMENT OF A SUSTAINABLE RECYCLED FABRIC FROM WASTE BANNERS FOR WATER AND ROAD BUND STRENGTHENING APPLICATIONS	B.E.	CIVIL ENGINEERING	Dr. SHWETHA A Dr. NAKUL RAMANNA	Ms. RUCHITHA CR Mr. ARJUN M

123. PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSAPETE

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
885.	49S_BE_6107	SMART POULTRY FARMING WITH IOT AND MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. ROOPANANDA M K Ms. INDIRA	Ms. SANDHYA V Ms. PREETHA M Ms. S MADHU Ms. SAHANA DIVATAR

124. R.L. JALAPPA INSTITUTE OF TECHNOLOGY, DODDABALLAPURA, BENGALURU RURAL

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
886.	49S_BE_3894	CRIME PREDICTION USING MACHINE LEARNING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Ms. NIDHI SINGH M	Mr. SIMHAM NAGA SAI Mr. ALIDINI AJAY KUMAR REDDY Mr. BETHARASI ANAND Mr. KONJETI NAGA VENKATA SAI HIMANTH
887.	49S_BE_6032	AI-BUG-BOUNTY - AN AUTOMATED VULNERABILITY SCANNER USING ARTIFICIAL INTELLIGENCE	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mrs. ANUPRIYA A G Dr. MANJUNATHA B N	Ms. VISHNUPRIYA N Mr. JAGATHI CHARAN KUMAR Ms. KEERTHIKA S Ms. RASHMI E
888.	49S_BE_6075	AI4JUSTICE: AUTOMATING COURT JUDGEMENTS AND LEGAL GUIDANCE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. MANJUNATHA B N Ms. VARSHINI B R	Mr. RISHAB REDDY T R Ms. MAHIMA KRISHNANAND NAIK Mr. NAVANEETH P Mr. S R HEMANTH KISHORE
889.	49S_BE_3931	DISTRIBUTED RAIL SIGNALING AND TRAFFIC CONTROL SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. LAVANAYA VAISHNAVI D A Dr. ANIL KUMAR C	Mr. K. M. YADUKRISHNAN Mr. NITHIN KUMAR S

125. R.R. INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
890.	49S_BE_3707	DESIGN AND DEVELOPMENT OF COCONUT SHELL PARTICULATE REINFORCED EPOXY COMPOSITE FOR POWER TRANSMISSION USING SPUR GEAR	B.E.	MECHANICAL ENGINEERING	Prof. RAKSHITH KUMAR P Dr. ROOPA D	Mr. PUNEETH S M Mr. MONISH KB Mr. WAJ ANSARI Mr. SHIJO SHOBY
891.	49S_BE_6940	DESIGN AND DEVELOPMENT OF FDM SYSTEM WITH GENERATIVE DESIGN-DRIVEN MODEL OPTIMIZATION	B.E.	MECHANICAL ENGINEERING	Dr. CHANNABASAVA RAJ.S	Mr. PRAKASH CHAUDHARY Mr. REYAJUDDIN ANSARI Mr. JAGAJEEVAN M S Mr. DHARMENDRA KUMAR YADAV
892.	49S_BE_6233	COMPARATIVE STUDY OF TURBIDITY REMOVAL IN TURBIDITY WATER BY BIO-COAGULANTS	B.E.	CIVIL ENGINEERING	Dr. HARINATH S	Mr. RAUSHAN KUMAR BHAGAT Ms. ANJALI R Mr. HARIKRISHNAN Mr. AKASH KRISHNA S
893.	49S_BE_4902	AUTOMATIC ACTIVE PHASE SELECTOR FOR SINGLE PHASE LOAD FROM THREE PHASE SUPPLY	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. SHRUTHI BAGLODI J Prof. JHANSI K	Ms. SANJANA S Ms. ANANYA B E Mr. MOHAMMAD SHAKEEL M K Mr. MANOJ S
894.	49S_BE_5204	AN INTRODUCTION TO REGENERATIVE BRAKING OF EV AS ANTI - LOCK BRAKING SYSTEM	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. UMESHA G B Prof. JHANSI K	Mr. NIKHIL B S Mr. SHASHANK G N Mr. MURULI KRISHNA A O Mr. NISHANTH G R
895.	49S_BE_5803	ECO VISION: AI-ENHANCED ECONOMIC FORECASTING & PREDICTING GDP GROWTH WITH MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. MANJUNATH R Dr. SHIVAKUMAR SWAMY N	Mr. SOUMYADEEP SARKAR Ms. NITYA PHANEESH CHANDRA NAMA Mr. RISHIKANT KUMAR RANA Ms. SHOHINUR AKHTAR
896.	49S_BE_6003	SAMPOORNA KRISHI: AN AI POWERED FINTECH PLATFORM FOR INDIAN FARMERS.	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHIVAKUMAR SWAMY N Dr. MANJUNATH R	Mr. SRIDHAR Y GOWDAR Mr. SRIDHAR R Mr. SHANKAR M Mr. ROHITH RAJ KN
897.	49S_BE_6380	DEVELOPMENT OF A REAL-TIME AIOT FRAMEWORK FOR OPTIMIZATION OF EARTHQUAKE DISASTER MANAGEMENT PROTOCOLS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VEENA M S Dr. MANJUNATH R	Ms. BHAVANI Ms. ARPANA S Ms. ATHIRA P P Ms. HARSHINI B R
898.	49S_BE_5336	REAL TIME SOLDIER HEALTH AND POSITION TRACKING SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. NISHCHITHA TS	Mr. NITHISH KR Mr. ABHAY DINAKAR CHOUHAN Ms. SRUSHTI

126. R.T.E. SOCIETY'S, RURAL ENGINEERING COLLEGE, HULKOTI, GADAG

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
899.	49S_BE_1864	IOT BASED SMART ROAD SURFACE MONITORING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. NEHA HARLAPUR	Ms. RANJITA NINGAPPA MALLIGAWAD Ms. NAGAVENI K TADAHAL Ms. PAVANI VISHWANATH BAJI
900.	49S_BE_3438	IOT-BASED REMOTE MONITORING SYSTEM FOR BEDRIDDEN PATIENTS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. SHWETA M NIRMANNIK	Mr. KISHANKUMAR SHAHAJI KADAM Ms. DEEPA LACHAPPA ANAWAL Ms. SANGEETA ASHOK JAVALI Mr. MALLIKJAN M TALIKOTI
901.	49S_BE_3671	CRIME PATTERN ANALYSIS AND HOTSPOT PREDICTION USING MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. POOJA KRISHNAMURTH Y REVANKAR	Mr. MOHAMMAD TAHIR ABBIGERI Mr. TAHIR JAINAPUR Mr. SUDEEP DODDAMANI Mr. MOHAMMED SADIQ MUJAWAR
902.	49S_BE_1259	AUTOMATED ANIMAL RESCUE AND WELFARE SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. MANJULA PAI Dr. SUGANDA PENDEM	Mr. SAINATH AGALAVI Mr. MD BILAL MULLA Mr. ABHAY NAYAKWADI Mr. TOUFEEQUMAR BYALI
903.	49S_BE_1411	ELECTRONIC VOTING MACHINE WITH FACE AUTHENTICATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUGANDHA. P Mrs. CHETANA HOOLI	Mr. PAVAN MANKAR Mr. S.R.SHIVANANDA Mr. RAKESH BHJANTRI Mr. SHARANAKAUMAR GADAG

904.	49S_BE_1823	REVERSE VENDING MACHINE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. CHETANA HOOLI Dr. SUGANDA.P	Mr. KAUSHIK S KODANPUR Mr. VISHAL S BANDHI Mr. SHRIDHAR R N Mr. KIRAN HB
905.	49S_BE_1884	UNDERGROUND WATER LEVEL IDENTIFICATION ROBOT USING RADAR BASED ON DOPPLER EFFECT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. ABIDA KANAVI Mrs. CHETANA HOOLI	Ms. AISHWARYA S RESHMI Ms. BHAVANI R KOYAPPANAVAR Ms. SANGEETA B BABALI Ms. TEJASWINI S RITTI

127. R.V. COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
906.	49S_BE_5518	DEVELOPMENT OF FUNCTIONALISED RICE STRAW CELLULOSE FOR FLUORIDE REMOVAL IN POTABLE WATER USING RESPONSE SURFACE METHODOLOGY	B.E.	CHEMICAL ENGINEERING	Dr. JAGADISH H PATIL Dr. RAVIRAJ KUSANUR	Mr. AJITH P ARUN Ms. NIRANJANA SREENIVASAN
907.	49S_MCA_0196	AUDIO-GUIDED VIRTUAL REALITY SYSTEM FOR FINGER MOTOR SKILL REHABILITATION	M.C.A.	COMPUTER APPLICATIONS	Dr. ANDHE DHARANI Prof. CHANDRANI CHAKRAVORTY	Mr. KISHAN S Ms. KAVYA R
908.	49S_MCA_0269	AN IMMERSIVE, INTERACTIVE VIRTUAL WALKTHROUGH OF A MODERN AEROSPACE MAINTENANCE HANGAR	M.C.A.	COMPUTER APPLICATIONS	Dr. ANDHE DHARANI	Mr. ANANTHA M
909.	49S_MTECH_0083	DESIGN AND ANALYSIS OF SWITCHED-MODE INDUCTOR-BASED DC-DC BUCK CONVERTER WITH VOLTAGE-MODE CONTROL	M.Tech	VLSI DESIGN AND EMBEDDED SYSTEMS	Dr. ABHAY A DESHPANDE	Mr. HEMANTH S Mr. VIGHNESH UDUPI

128. PRESIDENCY UNIVERSITY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
910.	49S_BE_6793	DEEP REINFORCEMENT LEARNING BASED HOLISTIC CYBERSECURITY SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. NIHARIKA P KUMAR	Ms. AIMAN SABAH Mr. CHANDRAKANTH S DEVANAGAON Mr. CHETHAN B L Ms. HONNU SHREE B L
911.	49S_MCA_0251	AI-POWERED CAREER GUIDANCE PLATFORM USING SECURE, SCALABLE CLOUD INFRASTRUCTURE WITH TERRAFORM	M.C.A.	COMPUTER APPLICATIONS	Dr. M. MRUNALINI	Mr. KIRAN N KADETTI Mr. KUSHAL KUMAR R

129. RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
912.	49S_BE_3611	NEXUS ELITE VEHICLE WASH	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. SINCY ELEZEBETH KURUVILLA	Mr. G VISHNU DATTA Mr. ASHER SUMITH Mr. JEEVAN P Mr. LITHISH M R
913.	49S_BE_5569	SILKWORM MONITORING FOR REAL-TIME GROWTH AND SILK PRODUCTION	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. SHWTHA R Prof. UDHYAMI	Mr. ANILKUMAR Ms. SPANDANA S S Mr. MAHAMMAD SUHEL
914.	49S_BE_6114	SMART ORGAN TRANSPORT SYSTEM WITH REAL-TIME MONITORING AND GPS TRACKING USING QUADCOPTER	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. R. ARUL JOSE	Ms. DEEKSHITHA REDDY S Mr. C VINOD KUMAR Mr. MALLIKARJUNA K M Mr. SAMEER BASHA
915.	49S_BE_6203	DESIGN AND DEVELOPMENT OF PELTIER MODULE TO GENERATE ELECTRIC POWER	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. NANDINI.N	Mr. LIKITH.A Mr. NITHIN.A Mr. BHARATH. N. J Mr. VIJAYKUMAR. H. K
916.	49S_BE_6400	PROSTHETIC HAND FOR PHYSICALLY CHALLENGED PEOPLE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. NANDINI N	Mr. SRIVATHSA N Mr. SHREYAS K S Mr. YASHAS B
917.	49S_BE_6427	MULTITUDINOUS ELECTRIC EYE USING RASPBERRY PI IN DEFENSE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. PRUTHA G	Mr. PRAJWAL L Mr. CHIDHANANDASWAMI Ms. CHANDANA N Ms. THEJASWINI N
918.	49S_BE_6760	SMART AUTOMATIC WALKING BRIDGE WITH RFID ACCESS AND VOICE ASSISTANCE FOR RAILWAY STATION	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mrs. SWETHA R	Ms. TABASSUM Ms. ANUSHA M Ms. DIVYA D Ms. KIRANA J

919.	49S_BE_6999	OBJECT SORTING CONVEYOR USING DELTA PLC	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. RAMYA R	Mr. PUNITH KUMAR G Mr. LIKITH P Mr. SANDEEP B M Mr. MANI DEEPAK S
920.	49S_BE_2087	WORM LIKE LOCOMOTIVE AND FLEXIBLE MESH ROBOT	B.E.	ROBOTICS AND AUTOMATION	Dr. RADHAKRISHN A RK Dr. T.C MANJUNATH	Mr. AKSHAYE KANNA SV Mr. KUMARSWAMY KP Ms. GNANASHREE N V Ms. SPOORTHY JANADRI
921.	49S_BE_2885	DEVELOPMENT OF AUTONOMOUS ECHO-Q ROBOT FOR DISASTER RESPONSE AND INSPECTION.	B.E.	ROBOTICS AND AUTOMATION	Dr. M. KARTHIKEYAN Dr. SATHEESHA V	Mr. SHREYAS S RAI Mr. CHARAN GOWDA N Ms. RANJITHA P Ms. SOUJANYA NAGARAJ SHALI
922.	49S_BE_3014	DESIGN AND DEVELOPMENT OF SIX-LEGGED TERRAIN-ADAPTIVE ROBOT FOR CROP MONITORING	B.E.	ROBOTICS AND AUTOMATION	Dr. N SREENIVASALU REDDY Prof. DHANANJAY B S	Mr. ROHITH V GOWDA Mr. AKARSH KASHYAP S Mr. PRAJWAL NOOLA Mr. PREM KUMAR G
923.	49S_BE_0665	DUAL AXIS SOLAR TRACKER USING ARDUINO	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. RAJESH K S	Ms. RANUSINGH S Ms. GANAVI R Ms. HARSHINI L Ms. VINUTHA T
924.	49S_BE_1336	FOOD SPOILIAGE DETECTION SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. MAMATHA KR	Ms. NAYANABAI.H M Ms. AKSHITHA.N Ms. POOJA.S Ms. PRIYADARSHINI S
925.	49S_BE_0358	INTELLIGENT SOLAR FORECASTS: MODERN MACHINE LEARNING MODELS AND TINYML ROLE FOR IMPROVED SOLAR ENERGY YELD PREDICTIONS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VM. SARAVANA PERUMAL Prof. RICHARD WILLIAMS	Ms. NIDHI S GOWDA Ms. PRERITA H G Ms. PREKSHA K V
926.	49S_BE_1990	SMART RAILWAY MONITORING SYSTEM: REALTIME, TRACK CRACK DETECTION, FIRE SAFETY, AND BIO-ENTITY DETECTION USING AI AND IOT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHASHIDHAR V	Mr. BHUVAN P NAYAK Ms. CHANDANA S Mr. SHARATH K R Mr. VISHWAS J K
927.	49S_BE_2247	SMART WASTE SEGREGATION SYSTEM USING IOT	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Dr. T.C.MANJUNATH	Mr. B C DHANUSH CHANDRA Mr. RAVI KUMAR V Mr. ROHITH J M Ms. RAKSHITHA V
928.	49S_BE_1503	AGROPRO - AI-POWERED SMART AGRICULTURAL ADVISORY PLATFORM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. DINESHKUMAR M Dr. J AMUTHARAJ	Mr. PRAJWAL BN Mr. MANOJ KUMAR T N Mr. SACHIN
929.	49S_BE_2245	DETECTION OF CHRONIC KIDNEY DISEASE USING DEEP LEARNING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. SINCHANA M N Dr. AMUTHARAJ J	Mr. CHARAN KUMAR R Mr. SHISHIR M Mr. ABHISHEK D P Mr. JAYANTH GOWDA B N
930.	49S_BE_0749	DETECTION OF SUBCLINICAL MASTITIS IN DAIRY CATTLE USING IOT AND MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Dr. SHASHIDHAR V	Mr. R K RAGHU NANDAN Mr. SUNAAD C Mr. PAVAN L
931.	49S_BE_3072	IMPLEMENTATION OF A LIGHTWEIGHT CHACHA20 ENCRYPTION-DECRYPTION CORE ON SPARTAN-7 FPGA	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUNITHA R	Ms. PREETHU J M Ms. RAKSHA M Mr. ROHITH S Ms. VAISHNAVI H M
932.	49S_BE_3590	AI POWERED TRAFFIC MANAGEMENT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. HARITHA K S Dr. DEEPIKA J	Mr. ANOOP B PATEL Mr. KUSHAL B Ms. CHANDANA V S Mr. AMAN MAHARATHI
933.	49S_BE_4154	IMPLEMENTATION OF A HYBRID 64-BIT VEDIC MULTIPLIER USING SPARTAN 7	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUNITHA R Dr. RANGAIAH L	Mr. DAKSHITH K S Mr. LIKHITH H Mr. AMITH ASHOK K Ms. BHOO MIKA P
934.	49S_BE_6062	BRAIN WAVE CONTROLLED ELECTRIC VEHICLE POWERED BY SOLAR ENERGY	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. DEEPIKA J Dr. HARITHA KS	Ms. I VASANTHI Ms. ANANYA P GOWDA Ms. BHUMIKA M Ms. KUSHALI GOWDA KG

130. RAJEEV INSTITUTE OF TECHNOLOGY, HASSAN

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
935.	49S_BE_5755	AN EXPERIMENTAL INVESTIGATION ON PHYSICAL PROPERTIES OF SILICA FUME CONCRETE	B.E.	CIVIL ENGINEERING	Mr. CHETAN K M Mrs. SUPRIYA C L	Mr. MOHAN H K Ms. ALFYIA THAHAREEN Mr. UDAY SHANKAR S R
936.	49S_BE_3144	BLOOD GROUP PREDICTION USING FINGERPRINT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Ms. CHITHRA H N Mrs. MAMATHA M	Mr. NIRANJAN H N Ms. INCHANA K V Ms. RAKSHITHA D R

937.	49S_BE_3635	PEST DETECTION USING IMAGE PROCESSING AND DEEP LEARNING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mrs. MAMATHA M Mrs. CHITHRA H N	Mr. SHASHANK N Mr. YASHWANTH T Y Mr. GAVIRAJ H K Mr. DARSHAN N R
938.	49S_BE_3937	TEXT BASED IMAGE CREATOR	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mrs. KANNIKA LAKSHMI D G Mrs. CHITHRA H N	Ms. GREESHMA RAI P R Ms. NIKHITHA D Mr. VAISHNAV V K Mr. KISHAN K S
939.	49S_BE_3255	DETECTION OF DIABETIC RETINOPATHY USING DEEP LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. RAJASHEKHARAI AH K M Dr. CHHAYA SURYABHAN DULE	Ms. MANYA Ms. LAVANYA H K Ms. LISHA H M Mr. DEEPAK D
940.	49S_BE_1380	PNEUMONIA DETECTION USING X-RAY IMAGES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SAYED ABULHASAN QUADRI Ms. RUKSAR PARVEEN	Ms. YASHCHITHA R M Ms. RAKSHITHA K J Ms. SPANDANA H P Ms. SPANDANA S T
941.	49S_BE_2807	SMART BREAST PUMPING SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. CHIRANJEEVI MR Mr. SANJEEV JADHAV	Ms. KAVANA KS Ms. SNEHA JR
942.	49S_BE_2918	MODIFIED CNN FOR IDENTIFYING DIFFERENT STAGES OF LUNG CANCER	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. H S MOHANA Dr. H N PRAKASH	Ms. RIDA SALEEM Mr. PRAJWALA HANASI Ms. SHAISTHA BANU Mr. SHASHANK GOWDA B.R
943.	49S_BE_3217	ROAD LANE LINE DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. NANDITHA S R Mrs. MEGHANA C N	Mr. PREETHAM M Mr. MOHAMMED KAIF Mr. RANJITH R
944.	49S_BE_0283	AGRIGENIUS AI	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. PRATHIBHA G Mrs. SAHANA R S	Mr. THEJAS B J Ms. SAHANA Ms. KRUTHIKA H R Mr. PRAJWAL S
945.	49S_BE_2334	2D TO 3D MEDICAL IMAGE COLORIZATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. SHRAVYA M S	Ms. AKSHATHA S HAVANUR Ms. MANASA J Mr. AKHIL JOSHI Mr. AJAY R
946.	49S_BE_4788	VIRTUAL BRAIN USING PYTHON	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. DR. PRAKASH KURAVATTI Mrs. MRS.MANASA A	Ms. JAHNAVI A T Ms. IMPANA M L Mr. JEEVAN GOWDA G R Mr. CHARAN KUMAR K
947.	49S_BE_5621	GPS GUIDED STREET CLEANING ROBOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. SWATHI GR Mrs. MANASA A	Ms. BOMMIDIHALLI VINDU SRI Ms. AISHWARYA LAKSHMI B T Ms. NIKHITHA H R Ms. KAVANA S N
948.	49S_BE_6750	DESIGN OF RIVER DEPTH PLOTTING AND RIVER CLEANING ROBOTS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. LOKESHWARI HS Mrs. MANASA A	Ms. SINCHANA HS Ms. THEJASWINI AR Ms. TULASI CS Ms. VINUTHA NA
949.	49S_BE_6803	APB PROTOCOL VERIFICATION USING SYSTEM VERILOG	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. DR. PIALI CHAKRABORTY Mrs. MRS. MANASA A	Mr. SYED LUKHMAN Mr. TEJAS K Y Mr. HEMANTH K R Mr. MOHAMMED ARFATH

131. RANI CHANNAMMA UNIVERSITY, BELAGAVI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
950.	49S_MSC_0262	INTEGRATED WATER QUALITY MONITORING AND TREATMENT USING A MAGNETIC MOF-IONIC LIQUID NANOCOMPOSITE FOR RURAL BELAGAVI	M.Sc	CHEMISTRY	Dr. GURUBASAVARA J P. MATAD	Mr. BALARAJ S KULALI Ms. SEJAL TANAJI KHADE Ms. NEHA DEEPAK SALUNKE

132. RAO BAHADUR Y. MAHABALESWARAPPA ENGINEERING COLLEGE, BALLARI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
951.	49S_BE_0995	AGRIBRAIN - AI POWERED FARMING WITH INTELLIGENT AGRICULTURE ADVISOR	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. NAGARAJ GOWDA Mrs. SHEELA B P	Mr. JASHWANTH P Ms. BHAVANA P Mr. C VENKATA KARTHIK REDDY
952.	49S_BE_1361	VHELP: VEHICLE SUPPORT SYSTEM WITH REAL-TIME TRACKING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. NAGARAJ GOWDA H Mrs. SHEELA B P	Mr. N UDAYAKUMAR Ms. G VAISHNAVI Mr. AJAY KUMAR B Ms. S.R.RANJITHA

133. REVA UNIVERSITY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
953.	49S_BE_5735	PORTABLE HYDRATION STRIPS (CAFFEINE FREE)	B.E.	AGRICULTURE ENGINEERING	Dr. NAGARATNA Dr. SHRIRAMULU	Ms. RESHMA R N Ms. KEERTHANYA S Mr. D K SAGAR Mr. AKASH BHAGODI
954.	49S_MTECH_0007	ADVANCED BATTERY MANAGEMENT SYSTEM WITH DIGITAL TWIN FOR FAULT DETECTION & ACCURATE SOC ESTIMATION	M.Tech	POWER AND ENERGY SYSTEM	Dr. BANSILAL BAIRWA	Ms. SOUGAIJAM NARGIS DEVI
955.	49S_MTECH_0003	REAL-TIME MONITORING AND THERMAL MANAGEMENT OF LITHIUM-ION BATTERY BANK WITH HYBRID AIR-PCM COOLING SYSTEM	M.Tech	POWER AND ENERGY SYSTEM	Dr. BANSILAL BAIRWA	Mr. SUMIT THINGBAIJAM
956.	49S_MSC_0249	FORMULATION NANO-BASED HERBAL HAIR OIL AS NATURAL HAIR COLOURING AGENT FOR THE TREATMENT OF HAIR LOSS AND GREYING OF HAIR	M.Sc	BIOTECHNOLOGY	Dr. MANJULA K.R	Ms. YASHASWINI L Ms. SINDHU G Ms. POOJA G
957.	49S_MSC_0336	SMART IOT-BASED MONITORING OF PLANTS FOR SUSTAINABLE MEDICINAL APPLICATIONS	M.Sc	BIOTECHNOLOGY	Dr. YUVASHREE. M Dr. PRABHAKAR MISHRA	Mr. S. ISRAR AHMED Ms. ISRAA FATEEN Ms. VARSHA A Mr. ANTHONY FERNANDO D'CRUSE
958.	49S_BE_2907	AI - DRIVEN FLOW PREDICTION AROUND AN AEROFOIL	B.E.	MECHANICAL ENGINEERING & MECHATRONICS ENGINEERING	Dr. KALYANA KUMAR M	Ms. SOWMYA K Mr. SURYA J Mr. REECE PEREIRA Mr. SANTOSH SATHIYAN
959.	49S_BE_5392	DEVELOPMENT OF LOW COST FDM 3D PRINTER	B.E.	MECHANICAL ENGINEERING	Dr. PRAMOD KUMAR SK	Mr. MANISH Mr. CHIRAG Mr. DEEPAK K Mr. NIKHIL DINAKARAN
960.	49S_BE_5886	DESIGN AND FABRICATION OF MACRO CHANNEL HEAT SINK FOR BATTERY PACK FOR EV APPLICATIONS	B.E.	MECHANICAL ENGINEERING / MECHATRONICS ENGINEERING	Prof. MANJUNATH PATTAR	Ms. DHRUTHI.V Mr. G.V BALAJI SHARAN Mr. PRATHAMESH MESTRI Mr. MOHAMMED AL TAMASH
961.	49S_BE_5605	INTEGRATED SOLAR-POWERED SMART IRRIGATION AND WATER QUALITY MONITORING SYSTEM FOR SUSTAINABLE RURAL AGRICULTURE	B.E.	CIVIL ENGINEERING	Mrs. PAVITHRA MP	Mr. HARSHA GOWDA Ms. ANGKIME CH SANGMA Mr. LOHITH KS Mr. PRAJWAL SIDAPPA
962.	49S_BE_6152	STABILIZED MUD BLOCK - MIX OPTIMIZATION AND STRUCTURAL TESTING	B.E.	CIVIL ENGINEERING	Dr. PUSHPA LUMINA	Mr. DHANUSHKUMAR.S Ms. GOWTHAMI.MA Ms. RAKSHITHA.A Mr. JAYANTH S
963.	49S_BE_6898	EVALUATION OF BIOCHAR-RAP INCORPORATED POLYMER-MODIFIED ASPHALT MIXES: AN AI-ML DRIVEN APPROACH FOR PERFORMANCE PREDICTION AND OPTIMIZATION	B.E.	CIVIL ENGINEERING	Dr. PREETHI S Dr. AVINASH H T	Mr. PRABATH KUMAR B Ms. MEGHANA G Mr. PRAVEEN MANDUGOWDRU Mr. ARJUN BG
964.	49S_MSC_0301	DESIGN AND STRUCTURAL MODIFICATION OF NIV-LDHS NANOSHEETS AS A BIFUNCTIONAL ELECTROCATALYST FOR ALKALINE WATER SPLITTING	M.Sc	CHEMISTRY	Dr. SHIVANNA M	Mr. PRANEETH SWAMY Ms. K ANJALI
965.	49S_MSC_0237	VALORISATION OF INDIGINEOUS BATHUA (CHEPODIUM ALBUM) LEAVES FOR THE DEVELOPMENT OF NUTRIENT-DENSE MILLET BASED FOOD PRODUCTS	M.Sc	FOOD AND NUTRITION	Dr. VEENA SHUKLA Dr. CYNTHIA SELVANATHAN	Ms. NAHEEDA SHAIKH Ms. SAMEEHA SAMAN
966.	49S_BE_0871	REAL-TIME DISTANCE-ADAPTIVE SMART TROLLEY FOR CONTINUOUS HUMAN TRACKING	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. BANSILAL BAIRWA	Mr. AMIT PATIL Mr. EKNATH Mr. KEERTHAN K Mr. SANTOSH BYELLE
967.	49S_BE_1384	DEEP LEARNING-POWERED VISUAL AID SYSTEM FOR BLIND NAVIGATION	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. BANSILAL BAIRWA	Mr. BHARAT REDDY Ms. CHANDANA M Mr. ADARSH JANALI Mr. AMBRISH KUMBAR
968.	49S_BE_1872	DESIGN AND IMPLEMENTATION OF AN EMBEDDED CONTROL PLATFORM FOR AIR AND PCM-BASED BESS COOLING	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. BANSILAL BAIRWA	Ms. NOOR SABA Ms. FAZEELA PATHAN
969.	49S_BE_2000	DESIGN AND DEVELOPMENT OF ML- INTEGRATED SMART DROWNING DETECTION SYSTEM	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. ASHWINI KUMARI P	Mr. UJWAL KUMAR S Mr. PAVAN A Ms. SHARANYA C S

970.	49S_BE_2758	2KW ELECTRIC VEHICLE CHARGER	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mr. BURRI ANKIAAH Dr. RITESH DASH	Mr. SAURAV KUMAR Ms. SHIVANI B.Y Ms. AMRUTHA G.R Mr. NAVNEET RAJKUMAR PATIL
971.	49S_BE_2765	INTELLIGENT SOLAR ENERGY MANAGEMENT SYSTEM WITH PREDICTIVE LOAD OPTIMIZATION, BATTERY HEALTH MONITORING & IOT DASHBOARDS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. ADITYA BALAJI	Ms. N GANGA YAMUNA Ms. POORNIMA HAKARI Mr. PAVAN N
972.	49S_BE_2828	FAULT DETECTION IN EV MOTORS USING AI	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. DODDABASAP PA Dr. BANSILAL BAIRWA	Mr. VIKAS B M Ms. VANISHREE S BANASODE Mr. LIKHITH H T Mr. VINAYAK GURAPPA SALAWADAGI
973.	49S_BE_5865	PRISCRPTIVE MAINTENANCE WITH DIGITAL TWIN FOR INDUSTRIAL MOTOR	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Ms. SEEMA MAGADUM	Ms. SPOORTHY Y Ms. SRUSHTI Ms. SHALINI S T
974.	49S_BE_1395	INNOVATIVE ROBOTICS AND DRONES FOR EMERGENCY RESPONSE AND RESCUE OPERATIONS	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. SYED MUZAMIL BASHA	Mr. PREETHAM URS D Mr. P. NAGA KARTHIK Mr. BALAJI V
975.	49S_BE_1943	AI ENHANCED CAREER GUIDANCE SYSTEM FOR PERSONALIZED CAREER PATHWAYS	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. RAMACHANDR A H V	Ms. SRISHTI P DESAI Ms. T MYTHRI Ms. CHITTIBOINA SAI NIHARIKA YADAV Ms. GAGANA V
976.	49S_BE_4540	SMART CONSTRUCTION PROJECT MANAGEMENT SYSTEM WITH REAL-TIME PROGRESS TRACKING	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. NITHIN RAMAKRISHNA N	Mr. RYAN CHRISDEN BASTIAN Mr. NITHEESH REDDY BUDAMALA Ms. NANDHINI M N Ms. ARSHITHA D
977.	49S_BE_5869	DESIGN AND DEVELOPMENT OF 3D PRINTED WASTE TO 3D FILAMENT MAKER	B.E.	MECHANICAL / MECHATRONICS ENGINEERING	Prof. ASHWINI M V	Mr. MANOJ S Mr. PRAMOD V Mr. SUJEETH S K Ms. CHANDANA S V
978.	49S_BE_5912	DEVELOPMENT OF AN AUTONOMOUS FLOATING ROBOT FOR LAKE WASTE REMOVAL	B.E.	MECHATRONICS ENGINEERING	Dr. MADHU B P	Mr. VISHWA SAI VIPUL KANUGULA Mr. LUV BABEL Mr. BHAVISH M GOWDA Mr. SIDDU T
979.	49S_MTECH_005 2 (BE)	DESIGN AND FABRICATION OF AUTONOMOUS DRONES FOR GPS DENIED AREA	B.E.	MECHATRONICS / MECHANICAL ENGINEERING	Dr. NIKHIL RANGASWAMY	Mr. VARUN KUMAR G Mr. ARJUN GOPALAKRISHNA PILLAI Mr. ABHINAV S NAIR Mr. ANIRUDH NAGARAJ MERAVANIGE
980.	49S_BE_5434	AGRO-BOT:AUTONOMOUS WEED REMOVAL ROBOT	B.E.	ROBOTICS AND AUTOMATION	Prof. KRUPATEJA S	Mr. PRAMOD AS Mr. MADHAVAN R Mr. NIKHIL N Mr. ROHAN M
981.	49S_BE_6672	AUTONOMOUS DISASTER-RELIEF DRONE FOR EMERGENCY MOBILE NETWORK EXTENSION	B.E.	ROBOTICS AND AUTOMATION	Dr. VIDYASAGAR K N	Mr. SHIVA SURENDRA Mr. NEELALOCHAN K M Mr. AKASH VERGHESE Mr. ABHISHEK N
982.	49S_BE_2675	ENHANCING RAIL MADAD WITH AI-POWERED COMPLAINT MANAGEMENT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. GANGA D BENAL	Mr. C H PRABHU KISHOR Mr. SACHIN Mr. HARSHAN GOWDA K S Mr. POTHULA BHARATH
983.	49S_BE_3546	COMMUNITY CLEANLINESS COMPLAINT APP - ANDROID APPLICATION FOR SWACHHTA AND LIFE	B.E.	COMPUTING AND INFORMATION TECHNOLOGY	Prof. SPANDANA S G	Mr. KUSHAL R Mr. B SUDHARSHAN REDDY Mr. K MUNI SHANKAR Mr. B JYOTHI CHOWDARY
984.	49S_BE_4094	PANCHATANTRA VR: AI-GENERATED INTERACTIVE MORAL STORIES	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SINDHU P MENON	Mr. VENKATESH S Mr. TARUN KUMAR S Ms. VARSHAA MURTHY Ms. VAISHNAVI S R
985.	49S_BE_5378	DEVELOPMENT OF AN ALTERNATIVE TECHNOLOGY TO CHECK BLOCKAGE OF BLOOD VESSELS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. RASHMI D	Mr. POSHAK N Mr. GIRISH GOWDA B A Mr. RAHUL Y C Mr. RAJKUMAR S
986.	49S_BE_6426	FLOWMIND : AGENTIC AI SYSTEM FOR PREDICTIVE URBAN TRAFFIC COORDINATION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SINDHU P MENON	Ms. HAJIRA KHANUM Ms. GIRIJA S H Ms. SINCHANA B Mr. SHASHANK T
987.	49S_MSC_0273	INTELLIGENT ANOMALY DETECTION FOR AIRCRAFT TURBOFAN ENGINES USING LSTM-BASED DEEP LEARNING AND PREDICTIVE ANALYTICS	M.Sc	DATA SCIENCE	Dr. AMBI P.S	Ms. SWEETY VARGHESE

988.	49S_BE_1375	APPLICATION FOR DETECTING GOVERNMENT-ISSUED PERSONALLY IDENTIFIABLE INFORMATION (PII) IN DOCUMENTS AND DATA USING MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. NIKHIL S TENGLI	Mr. DARSHAN Mr. BRIJESH NAIK Mr. CHINMAY ANAND T M Mr. DEEKSHITH H M
989.	49S_BE_1796	EFFICIENTNET-BASED COTTON DISEASE DETECTION AND DISEASE TREATMENT SUPPORT SYSTEM FOR SMART FARMING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. PRIYANKA BHARTI	Mr. UDAY N Mr. VIJAYKUMAR Mr. VISHWANATH ANGADI Mr. VISHWASA I P
990.	49S_BE_2002	AI BASED SMART AUTOMATED PARKING SYSTEM USING ANPR WITH DIGITAL TICKETING AND INTELLIGENT SLOT NAVIGATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. CHAITHRA M H	Mr. KANCHARLA NAGESH REDDY Mr. MANOJ GADIGEPPA MALLAPUR Mr. LAGISETTY NIKHIL SAI Mr. K KHUSHI VARDHAN
991.	49S_BE_2196	AR-BASED CULTURAL HERITAGE PRESERVATION PLATFORM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. PRIYADARSHIN I.R	Mr. GHANAVANTH T Ms. GHAMANI M Ms. KANNIKA B ANGADI
992.	49S_BE_2266	AI-BASED REAL-TIME PREDICTIVE MAINTENANCE SYSTEM USING SIMULATED SENSOR DATA	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. J SUNEETHA	Mr. PAPPU TEJVARDHAN Mr. ABHIJITH Mr. GB DHEERAJ Mr. PAPPU MONISH RAJ
993.	49S_BE_3047	AI-POWERED WATER MANAGEMENT AND ISSUE PREDICTION SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SANJU V	Mr. JEEVAN H S Ms. JHAHNAVI K P Ms. INDHUSHREE M S Mr. HEMANTH G K
994.	49S_BE_3065	GROUND WATER LEVEL PREDICTOR	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. PUNDALIK CHAVAN Dr. PRAVEEN MATH	Ms. C.LAKSHMI PREETHI Mr. B.NARASIMHA REDDY Mr. BANALA TONY Mr. KIRAN KUMAR
995.	49S_BE_3694	AUTONOMOUS DEFENCE DRONE SIMULATION FRAMEWORK WITH REAL-TIME AI VISION AND LLM-BASED MISSION CONTROL	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. FAROOQUE AZAM	Mr. VISHAL SINGH Mr. VAMSHI KRISHNA S Mr. APARAJITH M G Mr. APPU K R
996.	49S_BE_4303	CONSTRUCTVIEW - AI ASSISTED CONSTRUCTION PROGRESS MONITORING SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Dr. N P NETHRAVATHI	Mr. RAGHAVENDRA NAIK Mr. JEEVAN S M Mr. ADITYA PRATAP SINGH
997.	49S_BE_5703	AGRISAKSHAM: A LIGHTWEIGHT UNIVERSAL CNN FRAMEWORK FOR ROBUST LEAF DISEASE CLASSIFICATION ON LIMITED AND IMBALANCED DATASETS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. NARENDRA BABU C.R	Mr. HRUDAYANANDA N Ms. K.R AMRUTHA Mr. NALAGATLA HARI Mr. ATLURI NITISH
998.	49S_BE_6185	COMPREHENSIVE AUTOMATED DOCUMENT VERIFICATION SYSTEM FOR OFFICIAL DOCUMENTATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. JEEVAA M SELVARAJ	Ms. NEHA BHAT Ms. D ARCHANA Ms. NIDHI N Ms. SAKSHI GUPTA
999.	49S_MSC_0349	PHYTOCHEMICAL PROFILING AND MOLECULAR DOCKING-BASED IDENTIFICATION OF POTENTIAL ANTICANCER COMPOUNDS FROM CRUCIFEROUS PLANT EXTRACTS	M.Sc	BIOINFORMATICS	Prof. PRASANTHA CN Dr. GURUPRASAD NM	Ms. SINCHANAA S Ms. NANDINI A Ms. STUTHI SHREE G Ms. CHINMAYEE SJ
1000.	49S_MCA_0222	ZERONET PAY : AN AI-POWERED INTELLIGENT OFFLINE	M.C.A.	COMPUTER APPLICATIONS	Dr. N. KAVITHA	Mr. AMOGH S Mr. ABDULRAZAK MOULASAB PAKALI Mr. AGLODIYA HASANALI SHABBIRALI
1001.	49S_MCA_0234	MULTILINGUAL NLP MODEL FOR AUTOMATED IDENTIFICATION OF CYBERBULLYING IN KANNADA-ENGLISH CODE-MIXED STUDENT CHATS	M.C.A.	COMPUTER APPLICATIONS	Dr. LOKESH C K	Ms. SHWETHA P Ms. KIRTHANA R
1002.	49S_MCA_0244	HYBRID PQC-AES SECURE COMMUNICATION FRAMEWORK WITH EDGE INTELLIGENCE FOR AGRICULTURAL IOT NETWORKS	M.C.A.	COMPUTER APPLICATIONS	Dr. M VINAYAKA MURTHY Prof. NAGARAJ C	Mr. SPP MUKESH KUMAR Ms. KRUPALI VADOLIYA Mr. THARUN K Ms. YASHASWINI KARADIGUDDI
1003.	49S_BE_4678	DEVELOPMENT OF AN AI AND SENSOR-INTEGRATED PERSONALIZED HEALTH AND SAFETY MONITORING SYSTEM AS SMART GUARDIAN COMPANION FOR GERIATRIC(ELDERLY) CARE	B.E.	BIOELECTRONICS, SCHOOL OF MULTIDISCIPLINARY STUDIES ECE (SOECE)	Dr. RAJE SIDDIRAJU UPENDRA Prof. SANJAY SHRINIVAS NAGAR	Mr. YASHAS N Mr. HARSHA V P Mr. RAKSHAN N KULAL

1004.	49S_MTECH_0005	INTELLIGENT AGRICULTURAL ADVISORY SYSTEM USING TRANSFORMER MODEL & KNOWLEDGE BASE	M.Tech	COMPUTER SCIENCE AND ENGINEERING	Dr. LAXMI B RANANAVARE	Mr. VIRAJ D TALATHI
1005.	49S_BE_1383	DDOS PROTECTION SYSTEM FOR CLOUD: ARCHITECTURE AND TOOLS	B.E.	COMPUTER SCIENCE AND INFORMATION TECHNOLOGY	Prof. SWIMPY PAHUJA	Ms. MAITHILI KULKARNI Ms. CHINMAYI K.G. Ms. SAKSHI J. KULKARNI Ms. SAMANVITHA M.
1006.	49S_BE_2437	AN INTELLIGENT CLOUD-NATIVE FRAMEWORK FOR SMART CLASSROOM MANAGEMENT USING AGENTIC AI AND LLMS	B.E.	COMPUTER SCIENCE AND INFORMATION TECHNOLOGY	Prof. KAVITA BABALAD	Mr. SUKRUTH MS Ms. SPOORTHY SV Ms. TANUSHREE SK Ms. KAVANA BASAVARAJU
1007.	49S_BE_3957	AI-DRIVEN VIDEO MONITORING FOR CONSTRUCTION SAFETY	B.E.	COMPUTER SCIENCE AND INFORMATION TECHNOLOGY	Mrs. BIBI AMEENA	Ms. SANJANA S N Ms. ARCHANA A L Ms. ARLYN FERNANDES Ms. KOMALA M N
1008.	49S_BE_4086	INTELLIGENT PESTICIDE SPRINKLING SYSTEM DETERMINED BY THE INFECTION LEVEL OF THE PLANT	B.E.	COMPUTER SCIENCE AND INFORMATION TECHNOLOGY	Prof. DIVYASHREE N	Mr. MANOHAR B R Mr. PRAJWAL KUMAR MALIPATIL Mr. SHARATH G Mr. NITESH SRIVASTAVA
1009.	49S_BE_5435	IOT BASED SMART TRAFFIC MANAGEMENT SYSTEM USING CAMERA AND SENSOR DATA	B.E.	ELECTRONICS AND COMPUTER ENGINEERING	Prof. VEENA GN Prof. MD. TAUSEEF	Ms. G BHAVYA Mr. UTSAV MARAKALA Ms. KAVYA S Ms. MONISHA R
1010.	49S_BE_4641	A SYSTEM TO COMBAT FAKE CERTIFICATES IN EDUCATION SECTOR	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. MD TAUSEEF	Ms. A V SANJANA Ms. SABA MULLA Ms. SHREYA A Mr. SUJAL NAIK
1011.	49S_BE_4734	BEE-INSPIRED DRONE-BASED POLLINATION SYSTEM FOR EFFICIENT MODERN AGRICULTURE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. NAYANA D K	Ms. VAISHNAVI A S Ms. SMITHA MANJUNATH NAIK Ms. SONALI MARUTI GAONKAR Mr. SHIVAKUMAR P HAGGAD
1012.	49S_BE_4974	5G MMWAVE ANTENNA DESIGN FOR MOBILE APPLICATIONS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. PROF. SARALA SHIRABADAGI	Ms. SIRISHA B R Ms. MAREDDY MYTHRI Ms. SHUBHASHREE R Ms. KORRAPATI HADARSHA
1013.	49S_BE_5040	REAL-TIME INTELLIGENT IMAGE PROCESSING ACCELERATOR ON FPGA USING THE PYNQ-Z2 PLATFORM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SAYANTAM SARKAR	Mr. ADITYA K N Mr. PRAVEEN KUMAR B Mr. AKASH JANTE Mr. RAVICHANDRA ALLOLI
1014.	49S_BE_5219	AI BASED FOD DETECTION SYSTEM FOR AIR STATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. VENKATA SIVE REDDY	Mr. HEMANTH KUMAR K Mr. ROHAN R L Mr. DAYANANDA K R Mr. B MANOJ
1015.	49S_BE_5396	ENHANCING UDA BY THE USE OF AI/ML OR OTHER NOVEL TECHNIQUES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. ANITHA KUMARI R.D	Ms. Y.C LOKESHWARI Ms. ANKITA Ms. ANANYA A.S Ms. MAHALAKSHMI G R
1016.	49S_BE_6028	DEVELOPMENT OF PRIVATE 5G NETWORK FOR MACHINE TO MACHINE COMMUNICATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. V ESWARI	Mr. BHARATH KESHA VA REDDY Mr. VINOD Mr. KARTHIK SHANKARAPPA BELAAVATAGI Mr. DEEPAK M
1017.	49S_BE_6031	AI-BASED THREAT DETECTION AND THREAT ELIMINATION TO BLOCK CRYPTO RANSOMWARE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. DILIP CHANDRA ENA	Ms. ADITI RAO E A Ms. BINDHU SHREE S Ms. HARSHITHA C V Ms. KAVYA N
1018.	49S_BE_6087	ACADEMIC COIN SYSTEM - A SECURE DIGITAL PAYMENT INFRASTRUCTURE FOR EDUCATION INSTITUTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. PRAVEEN A	Mr. HEMANTH KUMAR S Mr. PRAJWAL P BENDRE Mr. MAHABOOB NAIKODI Mr. K HARSHVARDHAN
1019.	49S_BE_6350	ASIC IMPLEMENTATION OF 32-BIT RISC-V PROCESSOR USING THE COMPLETE RTL-TO-GDSII FLOW	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. NEETHU KN	Ms. N SANJITHA Mr. RISHIKESH D Mr. R KALYAN Mr. CHANDRASHEKAR S
1020.	49S_BE_6947	AI-ENHANCED WIRELESS SPECTRUM MANAGEMENT SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. NATARAJ URS H.D Dr.	Mr. ROHAN BAIJU Mr. KUNAL R M Mr. NIDHIN Ms. AFRA KHANUM

1021.	49S_MTECH_0008	DEVELOPMENT OF AN AI-DRIVEN RURAL NOISE POLLUTION INDEX (RNPI) AND PREDICTIVE NOISE MAPPING SYSTEM FOR SUSTAINABLE RURAL DEVELOPMENT	M.Tech	TRANSPORTATION ENGINEERING	Dr. KANIMOZHEE S	Ms. SMITHA R Ms. GEETHANJALI P V
1022.	49S_MTECH_0044	LABVIEW APPLICATIONS IN INTELLIGENT AUTOMATION	M.Tech	DIGITAL COMMUNICATION AND NETWORKING	Dr. MAHESH CHANDRA	Mr. CHANDAN KUMAR A V

134. RNS FIRST GRADE COLLEGE, BENGALURU

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1023.	49S_MBA_0227	ANALYSIS AND DEVELOPMENT OF AI-BASED SOLUTIONS TO REDUCE POST-HARVEST FOOD LOSSES IN THE HOSKOTE-BENGALURU AGRICULTURAL SUPPLY CHAIN	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Prof. SARAH MERLYN	Ms. TANVI Ms. PRAKRUTHI G C Ms. KANAKA SHREE B

135. RNS INSTITUTE OF TECHNOLOGY, BENGALURU

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1024.	49S_BE_6320	NEURO-SYNC BEATS: TRANSFORMER-BASED EEG EMOTION RECOGNITION USING DIFFERENTIAL ENTROPY FEATURES	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. MAHANTESH K	Ms. SANJANA H G Mr. A T VINAY REDDY Ms. ANKITA ANIL CHOUGULE Mr. N S SAI SHARAN
1025.	49S_BE_6825	CEREBRALCHAT: A HYBRID 3D-CNN AND BI-LSTM MODEL FOR IMAGINED SPEECH RECOGNITION FROM EEG SIGNAL	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Ms. SMITHA BA	Ms. DHARINI E Ms. IMPANA P NITTUR Ms. SHRI VIDYA V K Mr. SUMUKH P SHETTY
1026.	49S_BE_5730	MAARGA - A REAL-TIME BIKERS' TRACKING PLATFORM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Ms. VINUTHA D	Mr. SAMANYU Y N Mr. PRITHVI V PULGUR Ms. RUTU V Mr. GAURAV ADITYA M D
1027.	49S_BE_6739	MOLECULEX - AN AI-POWERED GENOMIC DIAGNOSTICS USING LARGE DNA LANGUAGE MODELS (EVO2) FOR MUTATION PATHOGENICITY PREDICTION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. RASHMI BC	Mr. SHASHANK V Mr. SANTOSH Mr. SAMARTH MALLIKARJUN Mr. SHREE ASHWIN
1028.	49S_BE_5791	CROWDLENS: AI-BASED REAL-TIME CROWD BEHAVIOUR ANALYSER	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. ANUPAMA	Ms. SHREEGOWRI K Mr. RAKSHITH S Mr. RISHI J Ms. SHREYA VINOD KUMAR
1029.	49S_BE_6099	OCTAKNEE: A SMART KNEE HEALTH MONITORING SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SUDHAMANI M J Dr. SAHANA B	Mr. PRAJWAL GUPTA Mr. PRATEEK G AEKBOTE Ms. KUSHI PRAHLAD PATIL Ms. PRANATHI SHIVAKUMAR
1030.	49S_MCA_0206	PRAJE POWER: AI-INTEGRATED PLATFORM FOR CIVIC ISSUE VERIFICATION AND RESOLUTION	M.C.A.	COMPUTER APPLICATIONS	Dr. RAJANI NARAYAN	Mr. ASHLESH S Mr. BHARATH B Mr. ABHISHEK NAGESH NAIK Mr. A SWAROOP

136. S.D.M. COLLEGE OF BUSINESS MANAGEMENT, POST GRADUATE CENTRE FOR MANAGEMENT STUDIES & RESEARCH, MANGALURU

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1031.	49S_MBA_0118	STREET DOG POPULATION CONTROL: AN ESG BASED COMPARISON OF STERILISATION AND SHELTER BASED APPROACHES	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Mrs. SUMATHI	Ms. SAKSHI NATRAJ Ms. ATHMIKA U J Ms. PRATHIKSHA VICTOR FERNANDES Ms. SHREYA PURUSHOTTAM NAIK
1032.	49S_MBA_0146	PUBLIC AWARENESS OF DOMESTIC APPS: A STUDY IN DAKSHINA KANNADA	M.B.A	DIGITAL COMMUNICATION AND NETWORKING	Mr. PRASHANTH KUMAR A	Mr. BHUVAN KRISHNA NAIDU Ms. SHIVANI S NAYAK Ms. UCHILKAR UNNATHI NAVIN MEENAKSHI Ms. GARIMA SHARMA

137. S.D.M. COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1033.	49S_BE_3864	AN EXPERIMENTAL STUDY ON THE CHARACTERISTIC BEHAVIOUR OF PVC FIBER-REINFORCED CONCRETE WITH PARTIAL REPLACEMENT OF CEMENT BY GGBS	B.E.	CIVIL ENGINEERING	Dr. BASAVARAJ GUDADAPPAN AVAR Dr. REGINALD FERNANDES	Mr. P SHARMAS ALI Mr. OMKAR S B Ms. RASHMI K Ms. S KAVYA
1034.	49S_BE_5029	AI-BASED POLLUTANT TRANSPORT MODELLING IN FRESHWATER ECOSYSTEMS USING: A CASE STUDY OF MALAPRABHA SUB-BASIN	B.E.	CIVIL ENGINEERING	Dr. SHRUTI KAMBALIMATH S	Ms. ZOYA ADHONI Ms. ANWITA KALGINKAR Mr. SIDDHARUDHASWAMI DOLLIN Mr. TEJAS DAYANAND SHET
1035.	49S_BE_4609	PACKED BED STUDIES ON CO2 ABSORPTION USING BIOWASTE MATERIALS	B.E.	CHEMICAL ENGINEERING	Prof. S.S.INAMDAR	Ms. SHIMA S K Ms. NAGARATNA S NADAGOUDADESAI Mr. SHREYAS S AKKI Ms. SOUMYA VITTALA ANGADI
1036.	49S_BE_5943	IOT BASED AI DRIVEN MATERNAL HEALTH MONITORING	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. MANJULA S SUREBAN	Mr. PRATHAMESH C YAMAKANAMARDI Mr. ARYAN S BEKAL
1037.	49S_BE_5760	MATHVERSE: AN AI MATH AGENT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. S.R.BIRADAR	Mr. NIKHIL KUMAR A.H Mr. JAVVAJI NITIN Mr. GANESH BETAGERI Mr. SAMHITHARAJ BALI
1038.	49S_BE_6539	SMART CAMPUS MATCH	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. VIDYAGOURI KULKARNI	Ms. AYEESHA BEPARI Ms. HARSHITA MANTAGERI Mr. KARTIK PRABHU Ms. POORVIKA SHIVAYOGI CHAKKI
1039.	49S_BE_3618	LAWGPT	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. JAGADEESH PUJARI Dr. VARSHA S JADHAV	Ms. PRERANA SHISANALLI Mr. RAHUL DHAGATI Mr. SIDDARAM SOORGOND Mr. VIVEK CHOUDHARY

138. S.D.M. INSTITUTE OF TECHNOLOGY, UJIRE

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1040.	49S_BE_4615	IOT-BASED SMART TRAFFIC MANAGEMENT AND PARKING SPACE DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SUCHETHA N V	Ms. PRANATHI R JAIN Ms. PREETHU J NAIK Mr. SANATH Ms. SHANAVI B A
1041.	49S_BE_4897	AGRIPULSE: SMART GRAIN STORAGE SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. DHAWAL JAIN	Ms. PRAGATHI Mr. OMKAR S Ms. SANIDHYA M JAIN Mr. VISHAL RAJU ANGADI
1042.	49S_BE_6169	FPGA CONTROLLED AUTOMATED COFFEE MAKER	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUBRAMANYA S B	Mr. AKASH M S Ms. AISHWARYA P Mr. DEEKSHITH I D Ms. DEEPIKA K P

139. S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1043.	49S_BE_3174	DESIGN AND FABRICATION OF MULTI PURPOSE GRAIN SIEVING MACHINE	B.E.	AGRICULTURE ENGINEERING	Dr. MANJUNATH K	Ms. SINDHU S Mr. SANDEEP V Mr. BHARATH P S
1044.	49S_BE_7079	REDESIGN AND OPTIMIZATION OF FOUR-LEGGED URBAN INTERSECTION: A CASE STUDY OF HOODI-KR PURA REGION OF BENGALURU TRAFFIC ANALYSIS	B.E.	CIVIL ENGINEERING	Mrs. JEEVITHA H	Ms. SAHANA Ms. JULIA JAMES DANIEL CHUANG Mr. RITESH LONGJAM Mr. JAGADEESHA K
1045.	49S_BE_2351	AI-ENABLED DIGITAL TWIN FRAMEWORK FOR REAL-TIME MONITORING AND OPTIMIZATION OF HOME ELECTRICITY USAGE.	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. KRISHNA KUMAR P R Mrs. SASWATI BEHERA	Mr. SRUJAN K S Mr. TEJAS HA Mr. PRUTHVI H J Mr. ABHISHEK IC
1046.	49S_BE_6890	PROTOTYPE OF SMART SOCKS USING BLOCKCHAIN	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Dr. SUKESH HA	Ms. DISHA V Ms. ANJU.KV Ms. JAHNAVI S
1047.	49S_MTECH_0079	DEEPPFAKE DETECTION USING PRETRAINED EFFICIENTNETB0 AND FLASK WEB APPLICATION	M.Tech	COMPUTER SCIENCE AND ENGINEERING	Mrs. JAYASHRI M	Ms. AISHWARYA J Ms. KAVYASHREE MR Mr. BHARATH M

140. S.E.A. COLLEGE OF SCIENCE, COMMERCE AND ARTS, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1048.	49S_MCA_0268	CENTRALIZED MANAGEMENT SYSTEM FOR RENTING AND TRACKING AGRICULTURE EQUIPMENT	M.C.A.	COMPUTER APPLICATIONS	Mrs. PRASANTHI.K	Ms. SWATHI V Ms. MONISHA N.K Ms. PALLAVI T.M Ms. MOUNIKA N.K

141. S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAVI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1049.	49S_BE_1182	MODIFICATION OF USED IC ENGINE (BIKE) FOR THE IMPROVEMENT OF PERFORMANCE	B.E.	MECHANICAL ENGINEERING	Prof. VAIJANATH PATIL Dr. R.M GALAGALI	Mr. YASH P PALEKAR Mr. PRATHAMESH PAWAR Mr. AJIT M BAJANTRI Mr. NAGRAJ S PATIL
1050.	49S_BE_0771	DESIGN AND DEVELOPMENT OF A COOLING SYSTEM FOR TWO WHEELER SEAT PARKED UNDER SUN	B.E.	MECHANICAL ENGINEERING	Dr. RAJENDRA M GALAGALI Prof. ASHOK M. HULAGABALI	Mr. SHASHANK GUMGOL Mr. SHARAT PADMANNAVAR Ms. SHEETAL GONDGHALI Ms. ULFATUNNISIA MACHEKAR
1051.	49S_BE_1341	INTELLIGENT ROUTING SYSTEM FOR STUDENT'S SAFETY IN COLLEGE BUS USING GPS AND GIS TRACKING	B.E.	CIVIL ENGINEERING	Dr. SANTOSH CHIKKABAGEWADI Prof. SUJAY GEJJI	Ms. B.JHANU Ms. PADMASHREE SHEETAL SHETTI Ms. POOJA SADANAND ALAJ Mr. AJIT DODDAMANI
1052.	49S_BE_3199	A SUSTAINABLE CONCRETE - BLEND OF POLYMER (SBR LATEX) & RICE HUSK ASH AN EXPERIMENTAL STUDY	B.E.	CIVIL ENGINEERING	Prof. SANDEEP KULKARNI Prof. VIVEKANAND KORISHETTI	Mr. MANJUNATH NAGARALE Mr. KUMAR GADDE Mr. MALAGOUDA PATIL Mr. VARUN KAROSHI
1053.	49S_BE_4412	NEUTRALIZATION AND TREATMENT OF ALKALINE INDUSTRIAL WASTE	B.E.	CIVIL ENGINEERING	Dr. SANTOSH CHIKKABAGEWADI Prof. SWETA CHOUGULE	Ms. PRAGATI MAHDEVA KANKANWADI Ms. PRIYANKA RAMACHANDRA MAGADUM Mr. SANTOSH MALLAPPA TURAKOTI
1054.	49S_BE_2574	VIRTUAL SKETCH: FINGERTIP GESTURE RECOGNITION FOR AIR CANVAS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. ASHWINI B MEKKALAKI	Ms. AKSHATA VIJAY VASTRAD Ms. JANAVI MALLANAGOUDA PATIL Ms. KAVITA RANGAPPA BABALI Ms. SINDHU CHANDRAKANT KHOT
1055.	49S_BE_3665	OIL SKIMMER REMOTE CONTROLLED BOAT	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. PRAVINA R. MALI	Ms. GANGA SIPRI Mr. ADITYA PATTAR Ms. ANANYA MANAGULI Mr. ROHIT PATIL
1056.	49S_BE_4635	FOOD DELIVERY ROBOT WITH SMART MONITORING	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Ms. LALITHA DARBHA	Ms. SAHANA GANESHAGOUDA PATIL Ms. SHREYA SHANKAR PYATI Mr. MUBARAK NADAF Mr. ANUP S CHANAPANNAVAR
1057.	49S_BE_4967	AGROX: A LOW-COST SENSOR & DEEP LEARNING-BASED SMART SPRAYER ATTACHMENT FOR CONTROLLED AND UNIFORM PESTICIDE DISTRIBUTION	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. CHANDRASHEKARA H Dr. SHANTESH G	Mr. AYUSH TAMMANNAVAR Mr. ANSHUL HALAKARNI Ms. RANIA JAMADAR Ms. RUTUJA CHOPADE
1058.	49S_BE_3315	Q LEARNING BASED ROUTING PROTOCOL FOR VANET'S	B.E.	COMPUTER SCIENCE AND BUSINESS SYSTEM	Prof. ROOPA HUBBALLI Prof. ZEBASHIREEN MULLA	Ms. DORCA ABRAHAM DASARI Ms. M PRIYANKA Ms. APEKSHA GUGGARIMATH Ms. POORNIMA RAMESH KHOT
1059.	49S_BE_0444	AIRCANVAS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. RAMESH SATTIGERI Prof. KSHITIJ SHETH	Ms. NANDITA PATIL Mr. NAYAN CHANNAMALLAYYA MATHAPATI Mr. SHIVANANDA KORI Ms. NANDINI UDAY BUCHADI

1060.	49S_BE_1298	MULTI-ENZYME CLASSIFICATION VIA ATTENTION-BASED CNN_LSTM MODELS WITH TENSOR BOARD VISUALIZATION.	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SHIVKUMAR B N	Mr. SUJAY S JAIN Ms. SHAKUNTALA R BIKANALLI Ms. TANVI N PATIL Mr. VINIT KULKARNI
1061.	49S_BE_2311	WORKING OF HUMAN ANATOMY MODEL USING AUGMENTED REALITY	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SUSHILADEVI VANTAMURI Mrs. SHEETAL KOKATANOOR	Ms. KEERTI BHIMAPPA JOLANNAVAR Ms. KARUNA NEMINATH CHOUGALA Ms. SAPNA MILIND KULKARNI Ms. SHREYA SUBHASH PRADHANE
1062.	49S_BE_4033	AUTOMATIC DETECTION OF DIABETIC RETINOPATHY USING CONVOLUTIONAL NEURAL NETWORKS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. KSHITIJ SHETH Mrs. SHEETAL KOKATANOOR	Ms. BHARTI S KHOTH Ms. BHUVANESHWARI MADIWAL Mr. KARTHIK M KATTI Mr. KISHAN MISKIN
1063.	49S_BE_5026	BUS TRACKING MANAGEMENT SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. JAYA PATTANSHETTI Prof. SHEETAL KOKATANOOR	Mr. AMIN DAFEDAR Mr. ALTAHA MOHAMMEDRASUL HAKIM Mr. MOHAMMED JUNAID BETGERI
1064.	49S_BE_2100	SUSTAINABLE DIGITAL ADVERTISING USING SOLAR POWERED E-PAPER DISPLAY	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SHILPA BHAIANATTI	Mr. AJAYAKUMAR CHANNAPPA MENDIGERI Mr. BASAVARAJ DAIYAGONDA BIRADAR Mr. ABHINANDAN B KADLI Mr. PRADEEP S HIREMATH
1065.	49S_BE_2679	AI POWERED PERSONAL ASSISTANT FOR DEMENTIA PATIENTS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SUJAY GEJJI	Ms. DANESHWARI SHIRAHATTI Ms. ANJALI JADHAV Ms. KOMAL KUMBHAR Ms. MAHEK PATHAN
1066.	49S_BE_2747	VENTILATOR USING RASPBERRY PI WITH APPLICATIONS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SUJAY GEJJI	Mr. HARSHAL SATAPPA KATAKE Mr. AMAAN MULLA Mr. MOHAMMED SAMI MEHBOOB KALMANI Mr. NIYAZ MAKTUHUSAIN SURKOD
1067.	49S_BE_3652	DEVELOPMENT OF HUMAN FOLLOWING ROBOT FOR ASSISTIVE APPLICATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. MEENAKSHI P	Mr. PRANAVA GUGGARI Mr. ATHARV KILLEKAR Mr. SHARADGOUDA PATIL

142. S.J.B. INSTITUTE OF TECHNOLOGY, BENGALURU

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1068.	49S_BE_5515	DESIGN AND DEVELOPMENT OF A MODULAR COFFEE SEEDS FLIPPING MACHINE WITH INTEGRATED VACUUM-CLEANING SYSTEM	B.E.	MECHANICAL ENGINEERING	Dr. SATHEESH J	Mr. PRATHAM KUMAR A.H Mr. AGNAL LIJO Mr. RISHI KUMAR S Mr. SACHIN MADAR
1069.	49S_BE_5852	TO STUDY ON SELF-HEALING TECHNIQUE IN CONCRETE CUBES BY USING BACILLUS SUBTILIS BACTERIA	B.E.	CIVIL ENGINEERING	Dr. LAKSHMI C	Ms. PREETHI C Mr. VARUN M S Mr. MADAN B
1070.	49S_MBA_0185	BUSINESS FEASIBILITY STUDY OF A MICROGREENS STARTUP: COST STRUCTURE, PROFITABILITY AND SCALING STRATEGIES	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. HARSHINI C S Mr. SHARATH RANJAN P	Ms. GUNASHREE R R Ms. DHANYASHREE N Ms. DIVYASHREE J Ms. HARSHITHA A
1071.	49S_BE_4047	VISVOC SECURE HOME ENGINE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. AJAY B.N	Ms. ASHWINI R V Ms. KOTALA CHAITRA Ms. CHANDANA S Ms. BRUNDA HS
1072.	49S_BE_4568	CYBERBULLYING DETECTION IN SOCIAL MEDIA PLATFORMS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. RANJITHA J Mrs. PRARTHANA J V	Mr. HRITHIK NL Ms. HARSHITA.D Mr. MADHUCHETHAN GOWDA YL Mr. NEMIRAJ JU
1073.	49S_BE_5236	CARBON ON THE CHAIN: DIGITAL SOLUTIONS FOR A GREENER PLANET.	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. KUSUMA.C	Ms. DIVYA DEVARAJ HEGDE Ms. CHANDANA S Ms. DEEKSHITHA R Ms. GANASHREE B S
1074.	49S_BE_5306	OPTIMIZED MEDICINE INVENTORY FOR EFFICIENT PHARMACY OPERATIONS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. RANJITH J	Ms. SHIVARDHINI K S Ms. SINDU Ms. SIRI S Mr. SYED ABDUL RAHAMAN

1075.	49S_BE_2818	NEURO-SKY BASED BRAIN COMPUTER INTERFACE FOR HANDS FREE DRONE FLIGHT CONTROL	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. UMA S	Mr. VIKAS CHOWDARY M Mr. JAIRAM N Mr. SHIVAKUMAR C S Mr. RAHUL SINGH
1076.	49S_BE_3521	STATIC WIRELESS CHARGING FOR ELECTRIC VEHICLES USING IOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUPREETH H S G	Ms. DEVIKA S NAIRY Ms. ANSHITHA B Ms. ASHA R Ms. DEEPIKA B

143. S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1077.	49S_BE_4995	THE DEVELOPMENT OF HYBRID (SOLAR AND WIND ENERGY) FOR FENCING SYSTEM	B.E.	MECHANICAL ENGINEERING	Dr. RAVI KUMAR TR	Mr. YASHWANTH KUMAR B Mr. MANU H M Mr. PIKKILI BHANU PRAKASH Mr. KALYAN R V
1078.	49S_BE_5326	SEISMIC ANALYSIS AND DESIGN OF RECTANGULAR WATER TANK USING ETABS	B.E.	CIVIL ENGINEERING	Mrs. CHANDRAKALA S	Ms. N.K HEMAVATHI Mr. CHITRA GIRISH KUMAR Mr. HEMANTH GOWDA CV Mr. NITHIN
1079.	49S_BE_4963	DESIGN AND CONSTRUCTION OF NACA 2412 ADAPTIVE WING STRUCTURE FOR INCREASED PERFORMANCE OF AN UAV	B.E.	AERONAUTICAL ENGINEERING	Dr. NAGESH.D	Mr. KUSHAL GOWDA N S Ms. PALLAVI K Mr. PRAMOD GOWDA S B Ms. RAKSHITHA S J
1080.	49S_BE_4932	DESIGN AND ANALYSIS OF TILT-ROTOR UAV FOR SMART DELIVERIES	B.E.	AEROSPACE ENGINEERING	Dr. MADHUSUDHANA S V	Mr. BHUVAN C Mr. PAVAN D L Ms. POOJA S P Ms. NANDITHA A
1081.	49S_BE_5135	PROCESSING MECHANICAL AND MICROSTRUCTURAL CHARACTERIZATION OF AL-CU-TI ALLOYS FOR CREW MODULE USED IN SPACE EXPLORATION	B.E.	AEROSPACE ENGINEERING	Dr. MADHUSUDHANA S V	Mr. CHANDRA MOHAN H S Ms. KALYANI S Mr. NAVEEN KUMAR S Ms. KUSUMA E
1082.	49S_MBA_0059	MASS CLOSURE GOVERNMENT SCHOOLS IN KARNATAKA A PUBLIC POLICY SOCIAL JUSTICE AND EDUCATIONAL ACCESS ANALYSIS	M.B.A	FINANCE AND MARKETING	Dr. G. SRINIVASA Prof. MANJUNATH NAIK	Mr. HARSHINI G Mr. MADHU C S Mr. VINDO M E Mr. SHASHANK S
1083.	49S_MBA_0199	JOB SATISFACTION, WORKLOAD AND RETENTION ISSUES AMONG ASHA KARYAKARTAS: A FIELD-BASED MANAGEMENT STUDY	M.B.A	FINANCE AND MARKETING	Prof. MAJUNATH NAIK Dr. NANDINI L	Ms. HARSHINI G Mr. MADHU C S Mr. VINOD M E Mr. SHASHANK S
1084.	49S_BE_2004	EMPOWERING CYBER DEFENSE USING AI POWERED EXPERT SYSTEMS	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. DARSHANA A	Mr. MOUNISH KUMAR K M Mr. PRAJWAL Mr. SUPRITH M Mr. NIKIL B V
1085.	49S_BE_4623	EFFECT OF PECTORAL MUSCLES ON CNN BASED MAMMOGRAPHIC CANCER DETECTION	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. SANDHYA R	Mr. MANOJ B V Mr. HEMANTH G M Mr. HEMANTH KUMAR H J Mr. DHANRAJ K GOUDA
1086.	49S_BE_4657	POST QUANTUM CRYPTOGRAPHY USING BRAHMI SCRIPT	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. HARSHITHA BN	Mr. KAMANNA KARTHIK Mr. AKHIL BASHETTY Mr. NALAGISIGARI SREEDHAR KUMAR REDDY
1087.	49S_BE_0101	AI MUSIC COMPOSER	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. VARADARAJU H R Mrs. ASHIKA S	Mr. PACHA PAVAN KUMAR Mr. PODAPATI PAVAN KUMAR Mr. PANNURU KARTHIK REDDY Mr. MALLEM DHEERAJ ROYAL
1088.	49S_BE_1991	BUILDING A MACHINE LEARNING MODEL FOR CLASSIFYING NEWS ARTICLE AS REAL OR FAKE USING TEXT ANALYSIS AND FACT-CHECKING SOURCES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. KIRAN KUMAR P.N	Ms. AISHWARYALAKSHMI.D.M Ms. DEEKSHITHA.B.S. Ms. HEMASHREE.A. Ms. PRANATHI.D.A.
1089.	49S_BE_3364	SMART ML-POWERED MALICIOUS URL AND INTRUSION DETECTION SYSTEM TO COMBAT CYBER SCAMS IN RURAL AND INSTITUTIONAL NETWORKS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHRIHARI M R Prof. AJAY N	Ms. PALLAVI C S Ms. NANDINI M Ms. P LIKITHA Ms. PALLAVI S
1090.	49S_BE_3792	LEVERAGING SOIL NUTRIENT AND ENVIRONMENTAL FACTORS FOR ENHANCED CROP PRODUCTIVITY	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. DIVAKAR KM	Ms. AKSHITHA.K Ms. DEEKSHA S Ms. DHANUSHA DM Ms. GAGANA V
1091.	49S_BE_0266	FEED FORWARD: BRIDGING THE GAP BETWEEN EXCESS AND NEED	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SATHEESH CHANDRA REDDY S	Ms. DHANYA SRI S Ms. BHARGAVI G Ms. CHANDANA K A Ms. DEEKSHITHA B R

1092.	49S_BE_0294	SERVERLESS WEB APPLICATION USING AWS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SABIN T T	Ms. BHAVANA B C Ms. CHANDANA M A Ms. SIRISHA Ms. DEEKSHARANI V
1093.	49S_BE_0312	UPI FRAUD DETECTION USING MACHINE LEARNING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SABIN T T	Ms. HAMSA B R Ms. AFIYA SULTHANA Ms. ANUSHA V Ms. LAKSHMI S N
1094.	49S_BE_0322	A QR CODE ENABLED INTELLIGENT NAVIGATION ASSISTANCE SYSTEM FOR PUBLIC AND INDOOR SPACES	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. AMBIKA L G Dr. NANDINI S	Ms. HITHAISHI R Ms. HARSHITHA D A Ms. KRUPA D R Ms. MANASVI R
1095.	49S_BE_0346	A TRANSPARENT BLOCKCHAIN MODEL FOR ELECTRICITY TRADING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. HAMSALATHA J.	Mr. SHREEKAR K Mr. PRAJWAL R Mr. PRANAV KAUSHIK Y R Mr. RAHUL BHARGAV R
1096.	49S_BE_0408	FORENSIC FACE SKETCH CONSTRUCTION AND RECOGNITION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. BHANUMATHI S	Ms. NAGASHREE M Ms. MONICA B L Ms. VANDANA J R Ms. YASHASWINI N
1097.	49S_BE_0640	ALZASSIST: EMPOWERING ALZHEIMER'S CARE USING AI TECHNOLOGY	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. ARAVINDA THEJAS CHANDRA	Ms. THEJASWINI K Ms. NIVEDITHA K M Ms. NISARGA S K Ms. SHRAVANI G B
1098.	49S_BE_0222	OFFLINE AI VOICE ASSISTANT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. NAGARJUNA G R Dr. VARADARAJU H R	Ms. AKSHITHA S Ms. MADIHA NAAZ Mr. NOSSAM TOLASREEDHAR REDDY Ms. SARVATH KOUNEIN
1099.	49S_BE_0391	SMART PET COLLAR FOR HEALTH MONITORING AND LOCATION TRACKING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. NAGENDRABABU N.C Dr. VARADARAJU H R	Ms. KEERTHI H. N Ms. BHUVANA SHREE R Ms. LIKHITHA V L Ms. NAVYA G
1100.	49S_BE_1050	AI-BASED VEHICLE RECOGNITION SYSTEM WITH AUTOMATED ENTRY-EXIT TRACKING AND REAL-TIME SECURITY ALERTING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. NAGARJUNA G R Dr. VARADARAJU H R	Mr. PRASANNA KUMAR N Mr. RAHUL GOWDA C Mr. SHASHANK S Mr. VARUN K S
1101.	49S_BE_2367	SMART EV TROUBLESHOOTING ASSISTANT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. VARADARAJU H R Prof. NAGARJUNA G R	Mr. HIMAVANTH H S Mr. CHETHAN P Mr. SHASHANK E Mr. THIRTHESH K T
1102.	49S_BE_3844	HYBRID DRONE FOR DISASTER RELIEF AND RESCUE OPERATIONS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. ANITHA C Dr. DR. S BHARGAVI	Mr. MOHAMMAD ZIKRIYA B Mr. MADEEP KUMAR S D Mr. MADHAVA H S Mr. R VIGNESH REDDY
1103.	49S_BE_4778	SMART SIGNAL BOOSTER FOR CELLULAR AND WI-FI COMMUNICATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. S BHARGAVI Dr. VEENA S	Mr. ABHIJITH J V Mr. ABHISHEK H K Mr. GOVARDHAN V K
1104.	49S_BE_5747	SELF TRACKING TROLLEY SYSTEM USING RASPBERRY PI	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. RANGASWAMY C Prof. SRI VANI E N	Mr. DUDDU SIDDARTH Mr. BAGGIRI VEERA BRAMHANANDA REDDY Mr. ADARSHA R

144. S.J.M. INSTITUTE OF TECHNOLOGY, CHITRADURGA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1105.	49S_BE_1677	INTELLIGENT BRIDGE MONITORING SYSTEM WITH REAL TIME SENSORS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. KUMARASWAMY B G	Ms. KESAR MALAN C Ms. GOWRI BANGARU K R Mr. CHANDAN L Mr. KEERTHAN KUMAR T
1106.	49S_BE_0166	AN AI BASED VENTILATOR KPI USING EMBEDDED IOT DEVICE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. ROOPA.S	Ms. SNEHA.S Ms. PRIYANKA.B Ms. SOUNDARYA.A Ms. AISHWARYA.A

145. SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1107.	49S_BE_0397	DESIGN AND DEVELOPMENT OF POULTRY PATROLLING AND HEALTH MONITORING ROBOT WITH THE AID OF IMAGE PROCESSING AND DEEP LEARNING TECHNIQUES	B.E.	INTER DISCIPLINARY	Mr. SUHAS	Mr. SUJAL S RANE Mr. ADITHYA S R Mr. VINAY HEGDE Mr. ABHIJIT NAIK

1108.	49S_BE_1549	DESIGN AND FABRICATION OF HYDROKINETIC TURBINE	B.E.	MECHANICAL ENGINEERING	Dr. LAWRENCE JOSEPH FERNANDES Mr. SHIVAKUMAR K M	Mr. KARTHIK KUMAR K Mr. ABHIJATH RAI Mr. JITHESH A Mr. PRITHESH SALIAN
1109.	49S_BE_1654	DESIGN AND DEVELOPMENT OF A BLACK PEPPER SKIN PEELING MACHINE	B.E.	MECHANICAL ENGINEERING	Dr. AJITH B S	Mr. SUJAL SHIRODKAR Mr. PRAGATESH P JOSHI
1110.	49S_MBA_0017	SMARTBIN 2.0: A TECH-DRIVEN MODEL FOR WASTE SEGREGATION	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Mr. AWIN ERIC CUTINHA	Mr. VACHAN Ms. MADHUSHREE Ms. KAVYASHREE Ms. JYOTHSNA U
1111.	49S_MBA_0024	DEVELOPMENT AND COMMERCIALISATION OF ARECA-BASED HERBAL TOOTH POWDER FOR SAFER ORAL CARE SOLUTIONS	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Mrs. AKSHATHA P	Mr. SHREENIDHI K Ms. SRI DEVI KUDVA K Ms. POOJA KAMATH Mr. GAWTHAM KC
1112.	49S_BE_0468	BIOMECHATRONIC SMART WHEELCHAIR	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. NISHA	Ms. BHOOMIKA H SALIAN Ms. MEGHA AKKU MATHEW Ms. INDUJA S Ms. REETHASHREE C
1113.	49S_BE_0488	AFFORDABLE SPEECH-TO-BRAILLE COMMUNICATOR DEVICE FOR DEAFBLIND EMPOWERMENT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. ABHISHEK A B	Ms. ADHITHI G KAMATH Ms. BHUMIKA L NARAYAN Ms. POORVI S SHETTY Ms. RAKSHA G A
1114.	49S_BE_0515	DESIGN AND DEVELOPMENT OF A LOW-COST SEMI-AUTONOMOUS ARECANUT GATHERING MACHINE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. KRIPA	Mr. SHIVA KC Mr. K SNEHITH Mr. PUNEETHRAJ K Ms. DHANYA
1115.	49S_BE_0522	OIL SKIMMER BOT USING NITRILE RUBBER CONVEYOR BELT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. SRI HARIPRIYA RAIN	Mr. AYUSH SHENOY Mr. SUHAIB S Mr. SAAJAL S SHETTY Mr. KARTHIK N POOJARY
1116.	49S_MBA_0022	IMPACT OF ESG (ENVIRONMENTAL, SOCIAL, GOVERNANCE) PRACTICES ON FINANCIAL PERFORMANCE OF INDIAN COMPANIES	M.B.A	FINANCE	Mr. ANIRUDH BHAT	Mr. VIJETH KUMAR Ms. ANUSHA Ms. VARSHA NAYAK Mr. MOHAMMED MUSTHAFA
1117.	49S_MBA_0018	KIDALERT CLIP: A DISCREET SOS HAIR CLIP TO ENHANCE SAFETY OF THE GIRL CHILD	M.B.A	FINANCE, MARKETING AND HUMAN RESOURCES	Dr. SUSHMA V	Ms. CHAITHRA Ms. HARSHINI N R Mr. PRATHIK PRAKASH GAIKWAD Ms. SHRUTHI
1118.	49S_MBA_0030	DIGITAL MARKETPLACE CONNECTING FARMERS DIRECTLY WITH BUYERS FOR PERISHABLE PRODUCTS	M.B.A	MARKETING	Prof. SAMARTH SHENOY BASTHIKAR	Ms. ANASUYA GANAPATI BHAT Ms. SHARANYA K S Mr. NANDISH Ms. VAIBHAVI PAI
1119.	49S_BE_0185	DESIGN AND DEVELOPMENT OF AN AUTONOMOUS SPHERICAL ROBOT FOR INTELLIGENT POWER GRID INSPECTION AND FAULT DETECTION	B.E.	ROBOTICS AND AUTOMATION	Mr. YATHISHA K K	Mr. SHRAVAN PAI Mr. SACHIN KUMAR Mr. CHINTHAN Mr. SHRI RAM K
1120.	49S_BE_0247	DESIGN AND FABRICATION OF SMART AIRPORT LUGGAGE TROLLEY(SALT) SYSTEM	B.E.	ROBOTICS AND AUTOMATION	Mr. VINAY B U Mr. PAVITRA AJAGOL	Mr. SAMBHRAM M Ms. ANKITHA V V Ms. DEEKSHITHA G M Mr. MAHAMMADHUJEFA ANSARI
1121.	49S_BE_0546	DESIGN AND DEVELOPMENT OF AUTOMATED FISH SORTING AND GRADING SYSTEM USING AI AND COMPUTER VISION	B.E.	ROBOTICS AND AUTOMATION	Mr. YATHISHA K K Mr. ADESH PADIVAL	Mr. MOHAMMED ASAD ILIAS SHAIKH Mr. MOHAMMED AFNAN
1122.	49S_BE_1139	DESIGN AND DEVELOPMENT OF ALL-TERRAIN UNMANNED VEHICLE	B.E.	ROBOTICS AND AUTOMATION	Mr. VINAY B.U	Mr. AMOG Ms. RITHUPARNA K.S Ms. SAHANA PRIYA I P Ms. SANJANA
1123.	49S_BE_1593	ACCIDENT DETECTION AND ALERT SYSTEM WITH GEOFENCING TECHNOLOGY	B.E.	ROBOTICS AND AUTOMATION	Dr. PRASAD CHANDRAN N	Mr. VINAYAK SHET Mr. ASTHIK K L Mr. PRAMITH B G Mr. SAMARTH G R
1124.	49S_BE_2022	EYE IN THE WILD: REAL-TIME POACHING DETECTION WITH YOLO AND IOT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. ASHWINI CS	Mr. THEJAS PALANGOT Mr. IMAAD AHAMED Mr. SNEHAL Mr. NEERAJ M G
1125.	49S_BE_2240	LORA MESH-BASED DECENTRALIZED DISTRESS SIGNALING FOR EMERGENCIES IN NETWORK DEAD AREAS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. JOYLINE GERMINE D'SA	Ms. SHOBHITHA BHAT Ms. ATHMIKA U Ms. SHAMITHA A

1126.	49S_BE_4532	SMART CARBON EMISSION TRACKING SYSTEM FOR SUSTAINABLE LIVING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. DEEPTI RAI	Ms. YESHA JATIN KALOLA Mr. VISHAL KOMAL PUJAR Ms. KARISHMA KOTECHE Ms. DEEPA BHAT
1127.	49S_BE_6548	SYSTEM INTEGRATED GLOBAL MACHINE AUTOMATION OPERATING SYSTEM (SIGMA OS)	B.E.	COMPUTER SCIENCE AND ENGINEERING (AI & ML)	Mr. SHARATHCHA NDRA N R	Mr. SAIDEV MAKANUR Mr. AKHILESH Mr. PAVAN S Mr. PARTHA A M
1128.	49S_BE_1850	MONITORING SYSTEM FOR STREETLIGHT FAULT DETECTION AND LOCATION TRACKING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. PRAJNA U R	Ms. BRINDA R SHETTY Mr. PRATHIK POOJARY Ms. SHIVANI K Mr. VAISHNAV L
1129.	49S_BE_1952	AI-POWERED EDUCATIONAL TOOL FOR CONVERTING DIGITAL TEXT INTO BRAILLE	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. HARINAKSHI C	Ms. AFIYA ABDULLA MULLA Ms. PRUTHVI RAO Mr. KARTHIK HC
1130.	49S_BE_2382	BUILDCHECK: AI-POWERED RAPID AND RELIABLE STRUCTURAL ASSESSMENT FOR CIVIL INFRASTRUCTURE	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. AMRITHA MOHAN C. K.	Mr. NANDAN G.K. Ms. ADHITHI SHETTY Ms. NIREEKSHA SHETTY Ms. RAKSHITA R
1131.	49S_BE_1639	HYBRID SYSTEM FOR PREDICTING MASTITIS AND FMD IN DAIRY COWS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. GANARAJ K	Ms. SPOORTHY R HEGDE Ms. DIYA RAJ Ms. SPOORTHY K Ms. ISBAH ERSHAD SHAIK
1132.	49S_BE_2502	AUTOMATED DEFECT DETECTION OF SURGICAL TOOLS USING LOW-COST VISION-BASED SURFACE AND DIMENSIONAL ANALYSIS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. SHARATHCHA NDRA N R	Mr. ABHAYGAN K Mr. CHINTHAN Mr. DHYAN B K Mr. PRATHWISH P SHETTY
1133.	49S_BE_4266	VOICEBRIDGE - AI POWERED TULU TO ENGLISH AUDIO TRANSLATOR FOR VIDEOS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. GURUSIDDAYY A HIREMATH	Ms. MEIHA Ms. NEHA ANNA SHAJU Ms. NEHA SHETTY
1134.	49S_BE_6207	ECHOBOT: AI-POWERED VOICE-CONTROLLED OBJECT PICKER	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. PUSHPALATHA K	Mr. KARTHIK N H Mr. AKSHAY Mr. NITHYA PRAKASH Mr. RITHESH R SUVARNA
1135.	49S_BE_6824	AI-POWERED MILK PURITY MONITORING SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Ms. SHWETA NAIK	Mr. NITHIN R Mr. MAHENDRA KUMAR P Mr. VIKAS PAWAR Mr. RAHUL GUNAGA

146. SAI VIDYA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1136.	49S_MBA_0077	GREEN GOLD BENGALURU: A STUDY ON THE BAMBOO BASED ECONOMY AND SUSTAINABLE CONSTRUCTION INITIATIVE WITH SPECIAL REFERENCE TO DODDABALLAPURA DISTRICT	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. ARAVINDA H G Dr. D JOGISH	Ms. NAVYA K M Ms. YAMUNA H M Mr. DEEKSHITH H K Mr. RAHUL M
1137.	49S_BE_4006	AIR-AWARE: A COST-EFFECTIVE, CUSTOMIZABLE AIR QUALITY STATION USING IOT TECHNOLOGY	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. SHASHANK S BHAGWAT	Mr. VINAY KUMAR A Mr. ANKITH.S Mr. PRASHANTH GOWDA H Mr. VARUN BR
1138.	49S_MBA_0072	AN EMPIRICAL ASSESSMENT OF FARMER PERCEPTIONS AND FIELD-LEVEL CONSTRAINTS UNDER THE RAITHA SIRI SCHEME IN CHITRADURGA, KARNATAKA	M.B.A	MANAGEMENT STUDIES	Prof. NINGAMBIKA G METI Dr. D JOGISH	Ms. CHANDANA K Ms. ARPITHA H Mr. SAILOHITH Y V Mr. LOKESHA V G
1139.	49S_BE_1377	CRIMINAL ACTIVITY DETECTION SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Dr. G DHIVYASRI Dr. PUSHPALATHA K N	Ms. SRUSHTI S Ms. VIDHYA K Ms. NAVYA PRAKASH Ms. MONA H
1140.	49S_BE_3076	AUTOMATED TOLL COLLECTION USING MOBILE GPS TRACKER AND ANPR	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHANTAKUMAR B PATIL	Mr. VIKAS C Mr. MITHUN R Mr. SHARATH CHIKKAGOUDRA Mr. NANDISH B H
1141.	49S_BE_3192	AI-DRIVEN HYPERSPECTRAL IMAGE ANALYSIS FOR MARINE ECOSYSTEM MONITORING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. POORNIMA GOWDA H S Dr. GAUTAM AMIYA	Ms. NEHA N Ms. RAKSHITHA S Ms. SOUMYA BABASAHEB KUDACHE

1142.	49S_BE_3460	INTELLIGENT PAINT SUPPLY AND SALES PLATFORM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SANTAKUMAR B PATIL	Mr. POORNACHANDRA M V Mr. ISHWARAPPA B K Mr. NITHIN KUMAR D L Mr. MADAN G R
1143.	49S_BE_1541	CCTV-POWERED REAL-TIME ATTENDANCE MANAGEMENT SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. PAVITHRA B Dr. NAGASHREE N	Ms. AKSHATHA D S Ms. HARSHITHA K V Ms. SRIVIDYA M
1144.	49S_BE_1653	AUGMENTED INTELLIGENCE IN MACHINE LEARNING FOR CYBERSECURITY: ENHANCING THREAT DETECTION AND HUMAN-MACHINE COLLABORATION	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. NISHA S K	Ms. SYED YELLANOOR AFREEN Ms. MASIREDDY APARNA Ms. H M PRATHIBHA Ms. SHREYA C
1145.	49S_BE_2194	OPTIMIZATION OF LIFI-WIFI HYBRID SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. JYOTHI KUMARI Dr. NAGASHREE. N	Mr. KUSHAL M Mr. ADARSH GOWDA B L Mr. BHARATH N Mr. MADAN
1146.	49S_BE_2996	LASER BASED INTENSIVE TRAINING FOR ATHLETES	B.E.	CSE (DATA SCIENCE), CSE (ARTIFICIAL INTELLIGENCE), IS & E, CSE	Dr. NAGASHREE N Dr. VRINDA SHETTY	Mr. N SAI ADVAITH Ms. DUGGIRALA OVIYA Ms. M INDUSHREE Ms. DHANYASHREE K
1147.	49S_BE_1644	AI - DRIVEN IOT SYSTEM FOR SMART HIDDEN CAMERA DETECTION FOR PUBLIC SAFETY	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. VIJAYASHREE R BUDYAL Dr. PRIYA ARUNDHATI	Ms. SAHANA S R Ms. PAVANA K Ms. TEJASWINI L Ms. PARINITHA M R
1148.	49S_BE_2164	IMAGE AND VIDEO ENCRYPTION USING DNA WITH QUANTUM WALK ALGORITHM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. VRINDA SHETTY Dr. PRASANNA LAKSHMI G S	Ms. HEERA DEVI BARAL Ms. B SHEETHAL Mr. NITHIN PS Ms. VIDYASHREE G
1149.	49S_BE_2481	TRACKNOVA - AI-DRIVEN REAL-TIME EMPLOYEE ACTIVITY MONITORING AND ADAPTIVE APPLICATION BLOCKING SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. RADHA R.	Mr. SACHIN GOWDA G Mr. PAVAN M Mr. SHREEJITH P N Mr. TEJAS S
1150.	49S_BE_3117	DETECTION OF PHISHING IN E-BANKING WEBSITES THROUGH ASSOCIATIVE CLASSIFICATION AND DATA MINING ALGORITHMS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SHIVARAM A M Dr. PRIYA ARUNDHATI	Ms. KATHYAINI E Mr. VASANTH KUMAR B Ms. VAISHNAVI SRINIVASA MURTHY Ms. HARSHINI S
1151.	49S_BE_5255	ANDROID MALWARE DETECTION USING MACHINE LEARNING TECHNIQUES	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. THANUJA M Dr. PRASANNA LAKSHMI	Mr. PRATEEK Y BHAT Mr. SHREYAS S Mr. SHRIRAM HEGDE Mr. SRINIVASULU A
1152.	49S_BE_2603	DEEP NEURAL NETWORK TO ENHANCE NATURAL IMAGE STRUCTURE FOR AN INVERSE PROBLEM.	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. KUMARESH SHEELAVANT Dr. SUKRUTH GOWDA M A	Ms. DHANYA V TEJASWINI Ms. ABHINAYA PRAKASH Ms. CHANDANA S Ms. DEEPTHI S

147. SAMBHRAM INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1153.	49S_BE_2700	AETHERRESQ: AI DRIVEN FIREFIGHTING RESCUE DRONE WITH SMART SURVEILLANCE AND AUTONOMOUS FIRE EXTINGUISHER	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. GEORGE ARMSTRONG	Ms. ARTHI S Ms. VEDHA D Ms. VARSHA K G VISHALAKSHI N
1154.	49S_BE_2653	AN EXPLAINABILITY - FOCUSED COMPUTATIONAL FOR ANTI CHEAT AND CHURN MONITORING IN ONLINE INTERACTIVE GAMING PLATFORMS	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. B. VANI Prof. MAMATHA B.L	Mr. SAKE AJAY Mr. BHARATH R Ms. MEGHANA P Mr. SRINITH N
1155.	49S_BE_3464	IOT-ML BASED ELECTRICITY THEFT DETECTION	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. MAMATHA B.L	Ms. GOLLA JYOTHIKA Mr. MD ARSLAN Mr. PAVAN B Ms. SANYUKTA DAS
1156.	49S_BE_4983	IDM-VTON: DIFFUSION-BASED VIRTUAL TRY-ON WITH GARMENT-GUIDED CROSS-ATTENTION	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. MAMATHA. M	Mr. THEJAS C Ms. K SAKSHI Ms. SHRUTHI G Mr. DHANUSH C M
1157.	49S_BE_1665	LUMEN AI : COGNITIVE STREETLIGHT CONTROL SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. POOVIDHA S	Ms. PRERANA SHIROL Ms. RANGA KAVYA Mr. ANSH TIWARI Mr. ARYAN SINGH
1158.	49S_BE_2438	ECOGUARD: SMART ALERT SYSTEM FOR NATIONAL PARK	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SAVITA MASALI	Ms. NIKITA Mr. NAVNEET KUMAR Mr. RAJKUMAR MAHTO GM Mr. RAJORSHI SARKAR

1159.	49S_BE_3822	RACK-I-FI IOT BASED SMART SHOE RACK	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. HANUMANTHA RAO K R	Ms. MANUSHREE R Ms. LAVANYA Ms. KRUTHIKA Ms. MEGHANA L
1160.	49S_BE_6780	MUSEUM INFOTAINMENT SYSTEM USING NFC	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. PADMAVATHI H G Mrs. SOWMYASHREE C S	Mr. VINAY N Ms. JYOTHISHREE D Ms. SHOBITHA R Ms. PHALGUNI JOGI BR
1161.	49S_BE_6975	DRIVER DROWSINESS DETECTION SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. SARITHA KISHORE	Ms. DEEPIKA K N Mr. G R PRATHAM GOWDA Mr. HARI KUMAR M

148. SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1162.	49S_BE_5253	DEVELOPMENT OF CNC WRITER AND PLOTTER FOR EDUCATING STUDENTS ON ART WORK AND PROJECT DEVELOPING SKILLS	B.E.	MECHANICAL ENGINEERING	Dr. R G DESHPANDE	Mr. BASAVARAJU S Mr. CHANDAN R Ms. SRUSHTI RAJU CHITTARAGI Ms. VIDYA H J
1163.	49S_BE_3031	DISASTER RESCUE ROVER	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SUMA V SHETTY Prof. SUBHA HUGAR	Mr. VISHAL V KULKARNI Mr. VIKAS N Mr. SHRISHAIL UPPAR Mr. SHASHANK H SURATANI
1164.	49S_BE_6530	REAL TIME TARGET DETECTION AND AUTOMATIC MACHINE GUN SHOOTING FOR MILITARY PURPOSE USING COMPUTER VISION AND MACHINE LEARNING.	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. KAMALAKSHI NAGANNA	Mr. PRAJWAL P Mr. ROHAN M NAIK Mr. SYED AQIB UMBER Mr. MITAN HIREMATH
1165.	49S_BE_2652	IDENTITY AND ACCESS MANAGEMENT (IAM) WITH KYC USING BLOCKCHAIN	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. GAYATHRI R	Mr. CHETHAN PRABHU GOUDA YALAWAR Mr. DARSHAN GOWDA B K Mr. LAKSHMISH K G Mr. MOHAMMED MOHIYUDDIN MAAZ

149. SCHOOL OF APPLIED SCIENCE AND TECHNOLOGY B.L.D.E. (DEEMED TO BE UNIVERSITY), VIJAYAPURA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1166.	49S_MSC_0259	ASSESSMENT OF VITAMIN D RECEPTOR (VDR) GENE EXPRESSION IN GDM PATIENTS FROM NORTH KARNATAKA	M.Sc	BIOTECHNOLOGY AND MICROBIOLOGY	Dr. G.S.KADAKOL	Ms. SUPRITAASKI Ms. RUCHITA KUNDARGI

150. SECAB INSTITUTE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1167.	49S_BE_5154	GREEN SYNTHESIS OF HYBRID NANOCOMPOSITES AND THEIR CONCENTRATION-DEPENDENT EFFECT ON THERMOPHYSICAL PROPERTIES OF DIESEL AND BIODIESEL FUELS	B.E.	MECHANICAL ENGINEERING	Dr. SYED ABBAS ALI Prof. SUNIL THANED	Ms. ANITA B. NAYAK Ms. SHREEDEVI KANAKERI Ms. LAXMI BAGALI
1168.	49S_BE_3245	A LOW-COST NON-INVASIVE ANEMIA DETECTION AND PREDIAGNOSIS USING ARDUINO UNO	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. MALLANAGOU D R. CHIKKOND	Mr. HUZAIF SHAIKH Mr. MD AOUF NAZARI Mr. ASHRAF GUDADINNI Mr. MD SAMI KAMANGHAR
1169.	49S_BE_4132	WIRELESS INTELLIGENT MULTI-SENSOR HELMET FOR CRASH DETECTION, DRIVER SAFETY AND ENGINE LOCKING	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. BILAL INAMDAR	Mr. SAGAR BIRADAR Mr. SATISH BIRADAR Mr. SAHIL TENNIHALLI Mr. SHANTAGOUD PATIL
1170.	49S_BE_6935	AI-POWERED HONEYPOT NETWORK FOR IOT THREAT INTELLIGENCE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. ASLAM J KARJAGI	Mr. FARHAN MALAGI Mr. MATEEN PASHA PATEL Mr. MD SAMEER SHAIKH Mr. SYED SALSABEEL NAZEER

1171.	49S_MTECH_00 49	PROTOTYPE PRODUCT DEVELOPMENT OF CNT-MEMBRANE SELECTIVE CATALYTIC CONVERTER(SCR) MODEL FOR GREEN EMISSION CONTROL	M.Tech	MACHINE DESIGN	Dr. SYED ABBAS ALI Mr. SUNIL THANED	Ms. REKHA ANADINNI
-------	--------------------	---	--------	----------------	--	--------------------

151. SHARNBASVA UNIVERSITY, KALABURAGI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1172.	49S_BE_4395	DESIGN AND FABRICATION OF A CONTINUOUS SCREW AUGER REACTOR FOR WASTE TO-ENERGY CONVERSION OF PLASTICS	B.E.	MECHANICAL ENGINEERING	Dr. SHARAN SHEGEDAR	Mr. NIRGUN SREEDHAR HUDDAR Mr. CHANNAVEER Mr. K V ANURAJ Mr. NIRMALPRASAD
1173.	49S_BE_4356	IOT BASED SMART BRIDGE	B.E.	CIVIL ENGINEERING	Mrs. PREETI ARAKERI Mrs. SAVITA PATIL	Ms. AISHWARYA NATIKAR Ms. BHAVANA RANI
1174.	49S_BE_3910	REAL-TIME PARTICULATE DETECTION AND CONTROL SYSTEM FOR CONSTRUCTION SITES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SHARANGOU D A.N Dr. SHASHIDHAR SONNAD	Ms. SHREEGOWRI.S Ms. SHRADDHA Mr. ABHISHEK D AWATI Mr. NIKHIL MADIWAL
1175.	49S_BE_4163	DEVELOPMENT OF A SOLAR ROOF SYSTEM TO OVERCOME BATTERY DRAIN IN ELECTRIC VEHICLES (EV)	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. ANURADHA SAVADI Prof. PREETI	Mr. ABHISHEK Mr. ADITYA Mr. ABHIJEET Mr. PRASAD
1176.	49S_BE_4271	ECOWARRIOR: ROBOT FOR MICROPLASTIC DETECTION AND WASTE COLLECTION.	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. MAHESH R K	Mr. SHRIDHAR Ms. PREETI Mr. SHARAN KUMAR Ms. VIJAYLAXMI
1177.	49S_BE_4280	SUSTAINABLE AUTOMATED RIVER SURFACE WASTE COLLECTION AND ENVIRONMENTAL RESTORATION BOAT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SHRUTI Dr. SHILPA SHRIGIRI	Ms. AISHWARYA Ms. ARUNA Ms. NISHA K.S Ms. NISARGA
1178.	49S_BE_4324	DESIGN AND DEVELOPMENT OF A 4-DOF ROBOTIC ARM FOR OBJECT MANIPULATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SANGEETA PATIL Prof. D. SUJITHA	Ms. AKKAMAHADEVI RAJAPUR Ms. BHAGYASHREE J SWAMI Ms. LAXMI SANTOSH Ms. POOJA CHANNAPPA
1179.	49S_BE_4333	DEVELOPMENT OF AN INTELLIGENT SMART BACKPACK USING AN IOT, GPS AND ANDROID PALTFORM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. NETRA L Mrs. VIJAYALAXMI M K	Ms. AISHWARYA S.B Ms. AKSHATA S PATIL Ms. JAYALALITHA B PATIL Ms. LAXMI R
1180.	49S_BE_4334	EMBEDDED SYSTEM-BASED HYBRID WIND-SOLAR CHARGING STATION FOR PORTABLE DEVICES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. D SUJITHA Prof. BHAVANI BIRADAR	Ms. SHRUTI Ms. SRUSHTI DANGE Ms. SUSHMITA Ms. VAISHNAVI
1181.	49S_BE_4375	DEVELOPMENT OF AN INTELLIGENT FIRE DETECTION AND SUPPRESSION ROBOT USING ARTIFICIAL INTELLIGENCE AND IOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. AMBIKA PATIL Mrs. BASAVESHWARI	Ms. ROOPA Ms. VISHALAKSHI Ms. RAKSHITA N Ms. VAISHNAVI RAVINDRANATH PATIL
1182.	49S_BE_4376	AI BASED FOOTSTEP ENERGY HARVESTING TILE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. SHOBHANA Mrs. LAXMI PATIL	Ms. VAISHNAVI S DHALI Ms. SOUMYA Ms. SUVARNA Ms. RAKSHITA.V.M
1183.	49S_BE_4252	E-TONGUE FOR DRAVYA DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHIVALEELA PATIL	Ms. SHRILAXMI PAPPA Ms. SHIVALILA Ms. SHRADDHA Ms. SUDHA
1184.	49S_BE_4345	IOT-BASED EPILEPSY MONITORING DEVICE FOR CHILDRENS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. MANIKAMMA	Ms. MADHAVI KULKARNI Ms. LAXMI DIGGAVI Ms. PATLOLLA SUSHMA Ms. M NEHA
1185.	49S_BE_4473	AI BASED DIGITAL SOLUTION FOR TEMPLE PILGRIMAGE CROWD MANAGEMENT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. NANDINI PATIL	Ms. GAYATHRI HANGARGI Ms. LAXMI HANGARGI Ms. DIVYASHREE BIRADAR Ms. NUTAN HIREMATH
1186.	49S_BE_4854	IOT BASED SMART TROLLEY AT AIRPORT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. NANDINI V PATIL	Ms. NIHARIKA HONNALLI Ms. PRIYANKA BIRADAR Ms. KAVYA SHETGAR Ms. BHAGYASHREE SHINDE

1187.	49S_BE_3882	LORA-BASED LONG RANGE SAFETY TRACKER FOR WOMEN'S AND CHILD	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SWATI S Dr. NIRUPAMA	Ms. SARASWATI Ms. TANUSHREE B KATTIMANI Ms. ANKITA
1188.	49S_BE_4361	ACCIDENT DETECTION AND MITIGATION SYSTEM FOR TWO-WHEELERS USING AI-ENABLED PORTABLE AIRBAG DEPLOYMENT TECHNOLOGY	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. SUPRIYA BAGEWADI	Ms. RADHIKA Ms. ANKITA. B Ms. TARABAI
1189.	49S_BE_4530	ENSEMBLE LEARNING APPROACH FOR WEAPON RECOGNITION USING IMAGES OF WOUNDS PATTERN; A FORENSIC PERSPECTIVE	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. AYESHA HEENA	Ms. DEEPTI Ms. SAKSHI Ms. VARSHA
1190.	49S_BE_4849	SMART CYBER-PHYSICAL SYSTEM FOR ALCOHOL AND DROWSINESS DETECTION WITH AUTONOMOUS VEHICLE LOCKING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SUJATA V. MALLAPUR	Ms. SHILPA Ms. SHAMBHAVI SANTOSH HULSURE Ms. SABERA
1191.	49S_MTECH_0032	INTELLIGENT IOT AND MACHINE LEARNING ARCHITECTURE FOR CONTINUOUS ELDERLY HEALTH SURVEILLANCE AND AUTOMATED MEDICATION DELIVERY	M.Tech	COMPUTER SCIENCE AND ENGINEERING	Dr. SHIVALEELA PATIL	Ms. AADILA MOHAMMADI
1192.	49S_MTECH_0031	SOS: SMART ONION SAVER	M.Tech	COMPUTER SCIENCE AND ENGINEERING	Dr. NANDINI V PATIL	Ms. AYESHA UNEZA
1193.	49S_MTECH_0040	ANIMAL PATHWAY ALERT SYSTEM TO PREVENT WILDLIFE-VEHICLE COLLISION	M.Tech	COMPUTER SCIENCE AND ENGINEERING	Mrs. ANITA B.M	Ms. AQSA SIDRA
1194.	49S_MTECH_0017	DESIGN OF DUAL-BAND MICROSTRIP PATCH ANTENNA FOR 5G APPLICATIONS	M.Tech	VLSI DESIGN AND EMBEDDED SYSTEMS	Dr. REVANSIDDAP PA KINAGI Dr. REVATI GODI	Ms. SANJANA SALUNKE

152. SHETTY INSTITUTE OF TECHNOLOGY, KALABURAGI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1195.	49S_BE_1711	AI DRIVEN SMART AMBULANCE SYSTEM FOR QUICK EMERGENCY RESPONSE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SHWETA MORE	Ms. SNEHA MUDNAL Ms. YOGITA SINGE Ms. SHILPA BIRADAR Ms. BHAVANI
1196.	49S_BE_2706	EXPENSE TRACKER WEB APPLICATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SOUMYA	Mr. PRAJWAL Mr. SACHIN ALLAGI Mr. SUMIT R Mr. SUDEEP AMARAGOND
1197.	49S_BE_6127	KAVACH (SMART SAFETY COMPLIANCE)	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. PREETI	Mr. HARISH REDDY Mr. SHARAKUMAR

153. SHREE DEVI INSTITUTE OF TECHNOLOGY, MANGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1198.	49S_BE_3500	UAV-BASED DISEASE DETECTION AND MANAGEMENT FOR WATERMELON PLANT	B.E.	AERONAUTICAL ENGINEERING	Prof. MOHAMMED HASHIM	Ms. VARSHINI Ms. SANGEETHA B S Ms. VINAYA NAGANUR Ms. YASHASWINI M K
1199.	49S_BE_6109	INTELLIGENT V2V COMMUNICATION IN SYNC	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. PRAFULLA SHETTY	Mr. SHREYAS K S Ms. SHREYA M Ms. SHRUSTI Ms. SHREENIDHI
1200.	49S_BE_3380	SMART VEHICLE PARKING MANAGEMENT WITH REAL-TIME SLOT AVAILABILITY TRACKING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. NISHA COUTINHO	Ms. BHANDAVYA M Ms. BANDHAVYA K S Ms. CHAITRA SHANIYAR DEVADIG

154. SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1201.	49S_MBA_0045	FEASIBILITY OF CIRCULAR ECONOMY MODELS FOR MUNICIPAL SOLID WASTE MANAGEMENT IN UDUPI DISTRICT	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Mr. VARUN KRISHNA	Mr. SURAJ SHETTY Mr. PRAJWAL K Mr. SHARATH RAJ SHETTY Mr. NIKHIL
1202.	49S_BE_3139	HYBRID FOOTSTEP ENERGY GENERATOR FOR SMART CAMPUS AND PUBLIC UTILITY APPLICATIONS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. AKSHATHA RAO L Mr. GANESH SRINIVASA SHETTY	Mr. SHREESHA Mr. SATHWIK Mr. S R SHRIPADA RAO Mr. SHRIKRISHNA HEBBAR

1203.	49S_BE_3376	DHYUTI JALA SHODHAN: A SOLAR POWERED WATER PURIFIER SYSTEM FOR REMOTE VILLAGES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. JAYASHREE M Mrs. SHASHIKALA R	Mr. SRIJAN Mr. SHARAN DHONDYA Mr. SURESH NAYAK Mr. UJWAL U NAYAK
1204.	49S_BE_3498	HEAR FUSION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. PAVITHRA POORNIMA S Mr. RAGHUNATHA	Ms. POORNITHA Ms. ANANYA ACHARYA Ms. DEPPTHI Ms. JATHAN SHRADDHA VASANTHA
1205.	49S_BE_4326	MITRA: AN ASSISTIVE GLOVE FOR INDIAN SIGN LANGUAGE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. PUNITH BEKAL	Mr. RAHUL RAGHUNATHA SHETTIGAR Mr. K ARJUN SHENOY Mr. MADHUSUDAN S Mr. PREETHAM V AMIN
1206.	49S_BE_5898	LORA BASED SMART HELMET FOR SAFETY AND MONITORING OF COAL MINERS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. YOGESHWARY B.H	Mr. DIVYANTH Ms. ANNAPURNA SHENOY Mr. HANSLEY LEWIS Mr. KARTHIK PATIL
1207.	49S_BE_6772	METAMATERIAL ENHANCED WEARABLE ANTENNA	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. MR. SANDEEPA PRABHU	Ms. NISHA Ms. ANANYA Ms. DEEPA KARKERA Ms. DHANUSH S S
1208.	49S_BE_5177	DETECTION OF ELBOW FRACTURE USING LIGHTWEIGHT DEEP LEARNING MODELS	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. RAJESH NAYAK	Ms. SAMEEKSHA Ms. RITHIKA Ms. SINCHANA Ms. SNEHA
1209.	49S_BE_5625	AI-POWERED INVESTMENT ADVISOR	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. RANJAN KUMAR H S	Ms. SHREYA S KHARVI Ms. DISHA NAYAK Ms. IZMA ILYAS Ms. SHRAVANI
1210.	49S_BE_6122	AI POWERED MICROPLASTIC DETECTION SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Mrs. MAMATHA S	Mr. PRAJWAL Mr. AKSHAY KUMAR Mr. KOTIAN SHUBHAM PRAKASH Mr. KOUSHIK POOJARY
1211.	49S_BE_6887	A DATA-DRIVEN APPROACH TO MONITOR JASMINE PLANT HEALTH USING SOIL DATA AND LEAF IMAGES	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. RAJESH NAYAK	Ms. KAVYA VENKATESH ACHARI Ms. PRAJNA HEBBAR Ms. SHREEPRIYA Ms. SHREYA R SHETTY
1212.	49S_BE_3883	VOX2PIC: AUDIO TO IMAGE GENERATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. BABITHA POOJARY	Mr. VISMAY M SHETTIGAR Mr. BHANUTEJA GANESH SHETTY Mr. SHREYAS S BHAT Mr. MOHAMMAD DAANISH
1213.	49S_BE_5130	SMART HOME AUTOMATION USING FLUTTER	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. BHARTI PANJWANI	Mr. KIRAN G SHET Mr. SUHAS ANIL PATIL Mr. SHRAVAN NAYAK Mr. AKASHA S
1214.	49S_BE_5726	VOCALBRIDGE - BRIDGING LANGUAGES WITH VOICE PRESERVATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. SAHANA	Mr. KAUSHIK Mr. K SUDARSHAN HEBBAR Mr. PRATAP NAIK Mr. PRATHVI S JATHAN
1215.	49S_BE_5962	CROP YIELD PREDICTION USING NDVI AND DEEP LEARNING TECHNIQUES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. NAGARAJ BHAT	Ms. ANKITHA R Ms. BHAGYASHREE Ms. K HARSHITHA BHAT Mr. GURUKIRAN
1216.	49S_BE_6188	COLLABORATIVE CLINICAL DECISION SUPPORT USING FEDERATED LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. SAVITHA SHENOY	Mr. MUHAMMED ARMAAN Mr. MOHAMMED YUSUF Mr. PRANITH P SHETTY Mr. PRATHAM G
1217.	49S_BE_6498	PRECIPITATION FORECASTING THROUGH PROBABILISTIC TEMPORAL HIERARCHICAL RECONCILIATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SURAJIT DEB BARMA	Mr. ADISH POOJARY Mr. KARTHIK NAYAK Mr. ABHAY G POOJARY Mr. KIRAN DIVAKAR SALIAN
1218.	49S_BE_5170	WILDLIFE SPECIES RECOGNITION FROM CAMERA TRAP USING MACHINE LEARNING AND DEEP LEARNING FOR WILDLIFE AND ENVIRONMENTAL MONITORING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. BALACHANDRA R JOGI	Ms. SHRAVYA Ms. AAYISHA KAZI Ms. BHOOMIKHA Ms. SHREYA KAMATH
1219.	49S_BE_5895	MACHINE LEARNING-BASED DETECTION OF COMPROMISED FOG NODES USING SYNTHETIC NETWORK BEHAVIOR DATA	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. RANJAN KUMAR H. S	Mr. HEMANTH JAYARAM SHETTY Mr. AKSHAY Mr. KARTHIK HEBBAR Mr. SUMANTH

1220.	49S_BE_6133	SMART ELECTRICITY CONSUMPTION MONITORING AND ANOMALY DETECTION SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. RAJESH NAYAK Mr. BALACHANDRA JOGI	Mr. SHEIKH FAHEEM AHMED Mr. B SHREEKARA AITHAL Mr. MAYUR R POOJARY Mr. MOHAMMED UMAIZ
-------	-------------	---	------	--	--	--

155. SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMAKURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1221.	49S_MBA_0027	A STUDY ON TECHNOLOGICAL ADVANCEMENTS IN SMALL-SCALE HYDROPONIC FARMING: A STEP TOWARDS MODERN AGRICULTURE IN KARNATAKA	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Mrs. BINDU R Ms. DIVYA S	Mr. MOHANA KUMARA D Ms. RASHMI H J Ms. NALINA M T Mr. OMKAR J M
1222.	49S_MBA_0186	A STUDY ON THE FEASIBILITY OF HOSPITAL-AT-HOME ICU SERVICES IN THE INDIAN HEALTHCARE SYSTEM	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Mrs. BINDU R Dr. PRATHAP B N	Ms. DEEKSHA T S Ms. DEEKSHA N K Mr. THIRTHAPRASAD H S Mr. SHARATH KUMAR B
1223.	49S_BE_3281	AUTOMOTIVE DELIVERY ROBOT USING IOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. MEGHA N	Mr. PRAVEEN YADAV L R Mr. LOHITH H S Mr. G C DIWAKAR
1224.	49S_BE_3339	FIRE FIGHTING ROBOT USING IOT FOR DOMESTIC APPLICATIONS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. P CHANDRIKA	Ms. BHAVANA TN Ms. GREESHMA G Ms. M MAMATHA Ms. PAVITRA K
1225.	49S_BE_2969	SOLAR POWERED WIRELESS DYNAMIC CHARGING HIGHWAY FOR ELECTRIC VEHICLES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. PRADEEP KUMAR S S	Mr. RAGHU N Mr. KIRAN ASHOK BADIGAER Ms. PRIYADARSHINI Ms. PRUTHVI M U
1226.	49S_BE_3718	AI EMPOWERED PRICE PREDICTION FOR ONLINE PRODUCTS	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Dr. S KRISHNA ANAND	Ms. BHAVYASHREE D C Ms. DHIVYASHREE N Ms. MONIKA R Ms. RASHMI S R
1227.	49S_BE_3734	AI ENABLED IOT SYSTEM FOR AUTOMATED WASTE SEGREGATION IN SMART CITIES	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Mrs. VARSHA NAGARAJ	Mr. VINAY A Mr. SHARATH K M Mr. SINDU P Mr. RENUKA PRASAD B J
1228.	49S_BE_3054	BLOOD GROUP PREDICTION USING FINGERPRINTS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. CHETHAN M S	Ms. YASHASWINI M Mr. VARUN RAJ K R Ms. VIJAYALAKSHMI N Ms. CHAITHANAYA K T
1229.	49S_BE_2926	AGRI-RENTX (SMART FARMING RENTALS)	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. CHARAN K V	Mr. SHAMANTH R PATIL Ms. PRARTHANA P Mr. HITHYSH D Ms. CHANDANA S
1230.	49S_BE_2976	EVENT BOOKING-USING ONLINE SYSTEM FOR EFFECTIVE TIME MANAGEMENT	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. CHARAN K V	Ms. KUNDANA B.S Ms. LAKSHMI K M Ms. TRIVENI M Ms. MEGHA K.E
1231.	49S_MCA_0150	QR-BASED SMART ASSET TRACKING AND INVENTORY MANAGEMENT SYSTEM FOR GOVERNMENT HOSPITALS	M.C.A.	COMPUTER APPLICATIONS	Dr. DIVYA RANI R	Mr. YASHAWANTH R Mr. DINESH I M Mr. M RAJEEV RAYAL Mr. KIRAN K M

156. SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1232.	49S_MBA_0210	SUNLIGHT HARVEST WINDOW FILMS FOR MODERN ARCHITECTURE	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. PREETI S DESAI Dr. JYOTHI G H	Ms. ANANYA K P Ms. CHAITHANYA B Mr. GAGAN B Ms. KUSUMA S
1233.	49S_BE_4098	SMART SYSTEM FOR NON-INVASIVE SILKWORM COCOON GENDER SEGREGATION AND AUTOMATED EGG COUNTING	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SHILPASHREE P S	Mr. BASAVARAJ K BANAJ Mr. KUMAR M SUNKAD Ms. POOJA U KONNUR Mr. PRAJWAL M DODDAMANI
1234.	49S_MBA_0208	EMPOWER THE FARMER: A RURAL INITIATIVE THROUGH DIGITAL TRANSFORMATION AND BUSINESS ANALYTICS	M.B.A	MANAGEMENT STUDIES	Dr. JYOTHI G H Dr. PREETI S DESAI	Mr. AKASH WANDKAR Mr. CHETHAN H R Mr. GURUKIRAN V Ms. HARSHITHA M R
1235.	49S_BE_6923	IOT BASED RESTROOM MANAGEMENT SYSTEM FOR IMPROVED HYGIENE AND EFFICIENCY	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. PUROHIT SHRINIVASACH ARYA	Mr. OMSAI REDDY Mr. PRAJWAL AL Mr. SATHVIK K P Mr. SURYA PRATHAP S

157. Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1236.	49S_BE_5322	RAINFALL-RUNOFF MODELLING USING HEC-HMS FOR CAUVERY BASIN IN KARNATAKA.	B.E.	CIVIL ENGINEERING	Ms. BHAVYA S	Mr. VISHWAS GOWDA L M Mr. MADHU THEJASVI H M
1237.	49S_BE_6788	SUSTAINABLE WATERSHED EVALUATION OF HESARAGHATTA THROUGH REMOTE SENSING AND GIS TECHNIQUES	B.E.	CIVIL ENGINEERING	Mr. SRIRAM MUSTAPURE	Ms. SHRUTI K Ms. KUMUDHA K K Ms. DHANUSHREE S
1238.	49S_BE_4119	SLUDGE-DERIVED ENZYMES AS GREEN CATALYSTS FOR ENVIRONMENTAL REMEDIATION	B.E.	BIOTECHNOLOGY	Dr. SUDEVI BASU	Ms. PURVI PUTHRAN Ms. PRISHA BANERJEE Mr. YASHASVI S NAIK
1239.	49S_MCA_0090	HR ANALYTICS: INTELLIGENT ATTRITION PREDICTION AND EMPLOYEE RETENTION SYSTEM USING MACHINE LEARNING	M.C.A.	COMPUTER APPLICATIONS	Prof. R LATHA Prof. SNEHA BHARTI	Ms. GANGOTHR E Ms. B SRAVANI

158. SMT. KAMALA AND SRI VENKAPPA M. AGADI COLLEGE OF ENGINEERING AND TECHNOLOGY, LAKSHMESHVAR, GADAG

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1240.	49S_BE_1113	GENERATION OF ELECTRICITY BY MULTIPLE RENEWABLE ENERGY RESOURCES	B.E.	MECHANICAL ENGINEERING	Mr. MUKUNDA DABAIR	Mr. MOHAMMADKAIF K SHETASANADI Mr. VINAYAK SHANKAR RASHINKAR Mr. DARSHAN KIRAN SULAKHE Mr. ABDULREHAMAN KUNDUR
1241.	49S_BE_4909	INTERNATIONALIZATION OF SOLAR ENERGY ADOPTION, EXCHANGE MECHANISM, AND PLATFORM VIA INTERCONNECTED NATIONAL GRIDS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mrs. SHRIDEVI GOUDAR Mrs. PRATIMA B KADEKAR	Mr. ARAVIND BALARADDI Mr. A H M CHANDRASHEKAR Mr. LIKHIT BILYANNANAVAR Mr. SHASHANK PANDITHARADHYA MUTTINPENDIMATH
1242.	49S_BE_6686	NEORAKSHA: SMART INCUBATOR FOR PRETERM INFANT	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mrs. PRATIMA B KADEKAR	Ms. SRISHTI A SHIRAGUMPI Ms. SHREDEVI HIREMATH Ms. SANIKA M HUTAGI Ms. MEGHA C SAHEBAGOUDARA
1243.	49S_BE_4774	AUTONOMOUS ENEMY DETECTION AND REAL-TIME SURVEILLANCE ROVER FOR DEFENCE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SHASHIDHAR P K Prof. ARUNKUMAR S BHOSALE	Ms. VIDYA M MALJI Mr. ABHISHEK NADUR Mr. SACHINPRASAD MISAR Mr. VINAYAK ANGADI
1244.	49S_BE_5854	AGROSPARK: AN IOT-BASED SOLAR-POWERED SMART SEED SOWING AND MULTI-FLUID SPRAYING SYSTEM WITH TEMPERATURE AND HUMIDITY MONITORING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. SHIVARAJKUMAR HIREMATH	Ms. SUSHMA B M Ms. DANESHWARI C HARIHAR Ms. APOORVA M MAGANUR Mr. M R ZEESHAN
1245.	49S_BE_6661	QUADRUPEL ROBOT FOR GAS LEAKAGE DETECTION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SANGAMESH SHETTAR	Ms. VARUNI BENNUR Ms. VAISHNAVI S KALADAGI Ms. LAXMI S Ms. SUSHMA AIHOLLI

159. SRI KRISHNA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1246.	49S_BE_5846	SMART WHEELCHAIR CONTROL USING VOICE AND GESTURE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. N S MYTHREYE	Mr. VARUN M Mr. DARSHAN D R Mr. MANTESH S C Mr. PRADEEP N K

160. SRI SAIRAM COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1247.	49S_BE_5314	DESIGN AND FABRICATION OF MULTI-UTILITY AGRICULTURAL VEHICLE	B.E.	MECHANICAL ENGINEERING	Prof. NAVEEN KUMAR Prof. PANDIYARAJAN V	Mr. JEEVAN S R Mr. VIVEK R Ms. BHAVANA S L Ms. MAHALAKSHMI S

1248.	49S_BE_6524	SEARCH AND RESCUE DRONE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. G. VINUTHA	Mr. CHINGREISO KASHUNG Mr. CHANDAN R. Ms. GAYATRI RATHOD Mr. J. KANAKACHALA
1249.	49S_BE_6618	AN IOT BASED SEMI-AUTOMATION TECHNOLOGY FOR E-WASTE SEGREGATION	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. MALINI K V Dr. RAMYA K	Ms. SHREYANKA Y H Ms. LAVANYA N Mr. VISHWAS H M Ms. SINCHANA T R
1250.	49S_BE_6629	SMART CABLE ROVER: ECO-FRIENDLY UNDERGROUND CABLE MONITORING ROBOT	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. R. GUNASEKARI	Mr. NACHIKETAN R N Mr. HARSHITH RAMAN R Mr. VISHWANATH B R Mr. NAGARAJ
1251.	49S_BE_6710	HYBRID SOLAR-WIND POWER GENERATION SYSTEM FOR RURAL ELECTRIFICATION	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. LAKSHMI K	Ms. H THEJASWINI Ms. ALFIYA Ms. JAYANTHI Mr. SAQLAIN KHAN
1252.	49S_BE_6895	DESIGN AND IMLEMENTATION OF AN IOT BASED SMART AGRICULTURAL MONITORING SYSTEM	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. S. SUJATHA Prof. TAMIZHSELVAN. A	Ms. SHOBITHA M Ms. SUVARNA N C
1253.	49S_BE_5967	SMART WATER, QUALITY MONITORING AND LEAKAGE DEDUCTION USING IOT	B.E.	ELECTRONICS AND COMMUNICATIO N ENGINEERING	Dr. ANITHA V	Mr. AKASH B KOLUR Mr. DIVITH MG Mr. K CHARAN ANTHONY REDDY Mr. VARUN BV
1254.	49S_BE_6834	SOLAR POWERED ELECTRIC VEHICLE WITH BATTERY SWAPPING SYSTEM	B.E.	ELECTRONICS AND COMMUNICATIO N ENGINEERING	Prof. GEETHA S	Mr. ASHISH JAIN SD Mr. GIRISH DS Mr. DATTATRI Mr. JAYANTH KUMAR V
1255.	49S_BE_6053	GARBAGE MANAGEMENT SYSTEM FOR SMART CITIES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. C.VALARMATHI	Mr. MAHENDRA Mr. GOURISHANKAR Mr. LOKESH B
1256.	49S_BE_6836	SMART RAILWAY BARRICADE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SMITHA J A	Ms. GEETHANJALI M Ms. BHOOMIKA H Ms. BISHNUPRIYA SENAPATI Ms. BHAGYA C S
1257.	49S_BE_6698	PLANT DISEASES DETECTION AND AUTONOMOUS SPRAYING ROBOT	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. SELVARANI D Prof. JENIFER A	Ms. SANJANA C Ms. MADHUMITHA P Ms. SANDHYA M Ms. SHRAVANI C B
1258.	49S_BE_5902	SOLAR TRACKING SYSTEM WITH WEATHER FORECASTING AND AUTOMATE CLEANING SYSTEM	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. VANARASAN S	Mr. NAGESH Mr. MANU M P Mr. PUNITH RAJ T Mr. KIRAN R

161. SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1259.	49S_BE_0119	DEVELOPMENT OF SCOOTER FOR CAMPUS MOBILITY USING MONO-CRYSTALLINE SOLAR CELL	B.E.	MECHANICAL ENGINEERING	Prof. HARISH.S Prof. D. PARMESHWAR AMURTHY	Ms. PUSHPALATHA M. S. Mr. AKASH K H
1260.	49S_BE_0318	DEVELOPMENT OF ECDM SETUP AND STUDY OF MACHINING PARAMETERS ON DENTAL IMPLANTS AND NON-CONDUCTIVE MATERIALS	B.E.	MECHANICAL ENGINEERING	Prof. MEGHANI MOLIES REDDY Dr. BHASKAR H B	Mr. DARSHAN .C .K Mr. DHANUSH .S Mr. KEERTHI .N Mr. NAVEENA .H .S
1261.	49S_BE_1445	DESGINE AND DEVELOPMENT OF AUTOMATED FUSED DEPOSITION MODELLING (FDM) 3D PRINTER USING (IOT) TECHNOLOGY AND CAMERA SYSTEM MONITORING FOR REMOTE APPLICATIONS	B.E.	MECHANICAL ENGINEERING	Dr. LEELA B.N. Prof. ROOPASHREE C.R.	Mr. SHANKARA A B Mr. SYED RAIYAN Mr. LOKESH T R Mr. NAGARAJ
1262.	49S_BE_4471	DEVELOPMENT AND EVALUATION OF GEOPOLYMER FLY ASH AGGREGATES USING PELLETIZATION AND FINGER MOULDING TECHNIQUES	B.E.	CIVIL ENGINEERING	Dr. USHA S Dr. SHIVARAJU G D	Mr. KUSHAL N Mr. MANOJ R K Mr. DILEEP P C Mr. SHARATH K
1263.	49S_BE_3978	CAR SAFETY SYSTEM FOR EMERGENCY FLOOD SITUATION	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. NASREEN TAJ M	Ms. NITHYASHREE C S Ms. POOJASHREE D R Ms. RAMYA G
1264.	49S_BE_5596	AI ENABLED DRONE SYSTEM FOR SMART ENERGY MONITORING FOR REMOTE AND OFF-CAMPUS AREAS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. PRAVEEN KUMAR C	Ms. BI BI SAKENA Ms. ANJALI D U Mr. CHANDRASHEKAR C HIREMATH Mr. CHANDU
1265.	49S_BE_5115	HYDROHARVEST-X: ECO-SMART AQUAPONICS SYSTEM FOR PRECISION AGRICULTURE	B.E.	ELECTRONICS AND TELECOMMUNICAT ION ENGINEERING	Dr. JEEVITH S H	Ms. POORNAVI D Ms. SHREYA ATUL DESHPANDE Ms. SPOORTHY S

1266.	49S_BE_4426	SIGHT TO SENSE: INTELLIGENT TEXT-TO-BRAILLE TRANSFORMATION SYSTEM FOR BLIND	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. RAVISIMHA B N	Mr. PRAJWAL. A Mr. RAJESH H P Ms. SNEHA S Ms. VIBHA SHANMUKHA
1267.	49S_BE_4891	SELF-OPERATED POULTRY FARM USING IOT AND CNN ALGORITHM FOR DISEASE DETECTION AND DIAGNOSIS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. DIVYAPRABHA	Ms. SOWMYA K R Ms. ASHA M H Ms. SHIVANI B BHAVIHAL Ms. VASUDHA K
1268.	49S_BE_5320	MACHINE LEARNING-ASSISTED, LOW COST ANDROID-ENABLED COLPOSCOPIC IMAGING SYSTEM FOR RURAL HEALTHCARE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. CHIDANANDA MURTHY M V	Ms. KUSHI Ms. DEEPIKA SM Ms. SPOORTHY G N Ms. THANUPRIYA R
1269.	49S_BE_6040	RISC-V PROCESSOR WITH INTEGRATED 2-BIT VEDIC MULTIPLIER FOR LOW-POWER MULTIPLY OPERATIONS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. M.C. CHANDRASHEKHAR	Ms. PREKSHA G P Ms. MEGHANA S Ms. POOJA P C Ms. SHARANYA REDDY V N
1270.	49S_BE_3206	DESIGN AND DEVELOPMENT OF A SEMI-AUTOMATED ROBOTIC BIOPSY SYSTEM	B.E.	MEDICAL ELECTRONICS	Prof. SAHANA S RAO Dr. RAJU A.S	Mr. ABDUL RAZAK Mr. ARUN PATEL IC Mr. HM ABHISHEK PATEL
1271.	49S_BE_5738	DESIGN AND DEVELOPMENT OF A SPINAL BRACE TO PREVENT BACK PAIN	B.E.	MEDICAL ELECTRONICS	Prof. KANTHARAJU Dr. ASHWINI K	Ms. BHOO MIKA.L Ms. KRUTHIKA H T
1272.	49S_BE_5839	WEARABLE ROBOTIC EXOSKELETON SYSTEM WITH INTEGRATED HEALTH MONITORING AND WEB DASHBOARD	B.E.	MEDICAL ELECTRONICS	Dr. PURNIMA P.S Dr. LATHA.K	Mr. NAVEEN M.P Mr. AMOGHAVARSHA LP Mr. MALATESH V.D
1273.	49S_BE_2777	INTELLIGENCE FORENSIC INVESTIGATE SUITE (CASE IQ)	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SIDDAPPA.M Dr. RAVIRAM V	Ms. NAVYAPATIL Ms. SANJANA H SANTHOSH Mr. SIDDHARTH B MENON Mr. NANDAN CA
1274.	49S_BE_3682	TRI-GEST BOT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. BHARATH T S	Ms. MOULYA N M Ms. STUTHI JAIN S M Ms. SINCHANA K Ms. NIKITHA M N
1275.	49S_BE_3747	AUGMENTED REALITY(AR) ENCYCLOPEDIA	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. GOPALA T	Mr. VIJAYANARASIMHA H Mr. SUMEDH C BHARADWAJ Mr. SATHVIK G S Mr. AMIT SHET
1276.	49S_BE_4251	INTELLIGENT DAMAGE ASSESSMENT AND ESTIMATION SOLUTION FOR VEHICLE INSURANCE CLAIM IN REALTIME	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Dr. PUSHPALATHA K R Dr. VIDYALAKSHMI K	Ms. SANMITHA H B Ms. SUPRITHA K S Ms. TRUPTHI K J Ms. VANISHREE K R
1277.	49S_BE_3740	VOICE CONTROLLED SPIDER ROBOT WITH AI VISION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. SUMA R	Ms. SUPRIYA S P Ms. POORNASINDHU P Ms. RAKSHITHA R RATHOD Ms. YASHASWINI M M
1278.	49S_BE_4207	CIVICFIX - CONNECTING COMMUNITIES TO CLEANER STREETS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. PRANATHI P	Mr. VADIRAJ JOSHI Mr. MAYANK NANDGOWLE Mr. MOHAMMED SAMEER Mr. SHANKARANANDA G T
1279.	49S_BE_4243	JNANETRA: AN EDGE-A-DRIVEN SMARTPHONE FRAMEWORK FOR ASSISTIVE NAVIGATION FOR THE VISUALLY IMPAIRED.	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. VANI B V	Mr. HRUTHIK M Mr. M M PRATEEK Ms. AISHWARYA S Ms. DEEPIKA S
1280.	49S_BE_4811	QUANTUM-TRAINED CONVOLUTIONAL NEURAL NETWORK FOR DEEPFAKE AUDIO DETECT	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. NAVEEN KUMAR A N	Mr. NEERAJ Ms. VANI R HUGAR Ms. VEENA H Ms. YASHODA
1281.	49S_BE_4960	AN AUTONOMOUS SOLAR-POWERED EDGE INTELLIGENCE PLATFORM FOR REAL-TIME STEM BORER INFESTATION DETECTION IN MAIZE AND ARECANUT CROPPING SYSTEMS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. NAVEENA S R	Mr. VISHNU N Mr. THIRIBHUVAN B S Mr. GAGANDEEP H N Mr. YASHWANTH K R
1282.	49S_BE_5269	END-TO-END DEVSECOPS PIPELINE WITH DOCKER, JENKINS AND KUBERNETES AUTOSCALING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. POOJA P	Ms. ANUSHA R Ms. BHOO MIKA S N Ms. KAVITHA V Ms. LAKSHMI L G
1283.	49S_BE_5473	3D FACIAL LANDMARK EXTRACTION FOR PRECISE SURGICAL PLANNING AND NAVIGATION USING ARTIFICIAL INTELLIGENCE	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. RASHMI H C	Ms. DEEKSHA H N Ms. ANANYA T S Ms. DEEPTHI C B Ms. CHINMAYI H R

1284.	49S_BE_5978	SECURE SHIELD: AN ADVANCE MULTI FACTOR AUTHENTICATION SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. SUBHASH C S	Mr. ABHISHEK D Ms. ANUSHA K Mr. THEJAS T S Mr. UJWAL T N
1285.	49S_MCA_0143	AN INTELLIGENT IOT SYSTEM FOR DETECTING ACCIDENT AND SENDING EMERGENCY ALERT MODULE	M.C.A.	COMPUTER APPLICATIONS	Prof. BHAVANI H S Prof. ASHWINI K J	Mr. MADHU KUMAR S Mr. N.NAVEEN Mr. AKANKSH GOWDA H.S Mr. HARSHA M.N
1286.	49S_MCA_0106	DESIGN AND DEVELOPMENT OF A MODULE ON DIET ASSISTANT POWERED BY IOT AND ARTIFICIAL INTELLIGENCE FOR PUBLIC	M.C.A.	COMPUTER APPLICATIONS	Dr. KAVYASHREE N Dr. RAMESH D	Ms. CHAITHRA B Ms. ANAGHA B V Ms. JOICE CHRISTINA Ms. DIVYA J
1287.	49S_MCA_0141	SMART HOME DOOR LOCK SYSTEM UTILISING IOT	M.C.A.	COMPUTER APPLICATIONS	Dr. MOHANKUMAR. T.P Dr. KAVYASHREE.N	Mr. KISHORE.K Ms. AMRUTHA.M.N Ms. RAMYASHREE.D.S Ms. THEJU.B.S
1288.	49S_MCA_0218	SMART IOT SYSTEM FOR ALERTING DRIVERS AT HAIRPIN BENDS	M.C.A.	COMPUTER APPLICATIONS	Mrs. ASHWINI K J Mrs. NANDA K V	Ms. SYEDA KHAMAR BANU T M Ms. SHIFA SANI
1289.	49S_BE_2804	SMART AI SURVEILLANCE SYSTEM FOR HUMAN DETECTION, TRACKING, BEHAVIOUR MONITORING & ZONE INTRUSION ALERTS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. MANJULA YERVA Dr. SAVITHA C	Mr. BHUVAN M J Mr. C.KUMAR Mr. PREETAM R B
1290.	49S_BE_3279	CYBERBULLYING DETECTION IN SOCIAL MEDIA TEXT AND IMAGE	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. CHANNAKRISH NARAJU	Ms. SHARADA G Ms. HIREMATH Ms. DISHA M S Ms. SAHANA K S Ms. USHA C S
1291.	49S_BE_5794	REAL-TIME ADAPTIVE INTRUSION DETECTION USING FEDERATED DEEP LEARNING IN COMPUTER NETWORKS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. MANOJ.D.R	Mr. KAREEM KHAN Mr. MOHAMMED KHAIS Mr. ABAN ULLA KHAN Mr. VIDHRUTH.V.DESHPANDE
1292.	49S_MTECH_0022	DEVELOPMENT AND PERFORMANCE EVALUATION OF BIOCHAR FLY ASH CONCRETE FOR SUSTAINABLE CONSTRUCTION APPLICATIONS	M.Tech	COMPUTER AIDED DESIGN OF STRUCTURES	Dr. USHA S Dr. SHIVARAJU G D	Ms. MAMATHASHREE

162. SRI TARALABALU JAGADGURU INSTITUTE OF TECHNOLOGY, HAVERI

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1293.	49S_BE_5610	VOLUME CONTROL USING HAND GESTURE RECOGNITION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. D. S. VISWANATH	Ms. SANJANA S BANAKAR Ms. RAKSHITA C KADAKOL Mr. SHARATH B HOLAJOGI

163. SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1294.	49S_BE_2961	DEVELOPMENT OF KROTO FINDER ROBOT FOR PIPELINE INSPECTION AND CLEANING	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. LAKSHMI MANASA B	Ms. SHREYA GC Ms. RAKSHITHA S Ms. DIVYASHREE R
1295.	49S_BE_3108	DESIGN AND DEVELOPMENT OF AUTOMATED E-WASTE RECOVERY STATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. JIJESH J J Dr. VINEETH KUMAR PK	Mr. M GANESHPANI Mr. SYED IRFAN Ms. ANNU PRIYA Mr. CHARAN A
1296.	49S_BE_3159	DEVELOPMENT OF AI-DRIVEN ADAPTIVE DC-DC CONVERTER FOR SOLAR-POWERED PORTABLE EV MICRO-CHARGING STATION FOR RURAL & OFF-GRID COMMUNITIES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. VINEETH KUMAR P K Prof. DEVIKA S	Ms. CHANDANA M U Ms. ANUSHA Ms. DIVYA M Ms. MANASA M
1297.	49S_BE_5157	AIRBORNE MEDICAL-SYSTEM USING IOT GLIDER TECHNOLOGY	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. ASHWINI A M Prof. SWAPNA C H	Ms. MEENAKSHI T C Ms. ASHWINI Y M Ms. DEEPIKA M Mr. AJITH N
1298.	49S_BE_5709	DEVELOPMENT OF POSTURE SUPPORT SYSTEM FOR MUSCULOSKELETAL DISORDERS USING MACHINE LEARNING	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. ANNE GOWDA A B Prof. VIKAS H	Ms. BHAVANA N Ms. CHAMPANA S Ms. GANAVI M A Ms. HAMSA A P
1299.	49S_BE_2771	CARDIOVASCULAR RISK PREDICTION BASED ON RETINAL EYE IMAGE ANALYSIS USING AI	B.E.	COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE)	Mrs. VIMALA DEVI R	Ms. VAISHNAVI R Ms. SIREESHA BAI K Ms. SWATHI A Ms. VARSHA D

1300.	49S_BE_6276	HIGH RESOLUTION RAINFALL PREDICTION USING SATELLITE IMAGES AND GROUND STATION DATA BY USING HYBRID CNN-LSTM MODEL	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. S MURUGAN	Ms. M BHUVIKA Ms. M AKANKSHA Ms. K NIKHITHA Ms. MANASA R K
1301.	49S_BE_6737	AI BASED MULTILINGUAL HUMAN VIDEO TRANSLATION	B.E.	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Prof. MEGHANA K L Prof. ANBULAKSHMI S	Mr. ABHINEK KUMAR PANDEY Mr. MD RAQIBUL ISLAM KHAN Mr. ANIL KUMAR G N Mr. BHARATH R
1302.	49S_BE_4722	GO-QUEST TRANSIT	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. SUNIL KUMAR K N	Ms. VIHA SUHAS BHAT Ms. GOWTHAMI S Ms. GUNASHREE S

164. SRINIVAS INSTITUTE OF TECHNOLOGY, VALACHIL, MANGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1303.	49S_BE_2219	SEMI ACTIVE VIBRATION CONTROL SYSTEM FOR AIRCRAFT LANDING GEAR USING MAGNETO-RHEOLOGICAL ELASTOMER BASED ISOLATOR	B.E.	AERONAUTICAL ENGINEERING	Dr. GANGADHARA RAO Dr. PRAVEEN SHENOY	Mr. MONISHRAM Mr. MOKSHITH Mr. CHETHAN KUMAR Mr. GIRISH C
1304.	49S_BE_4604	BIO-BALLOT - FINGERPRINT-SECURED VOTING WITH REAL-TIME TRANSPARENCY	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. GOURISH S HEGDE	Mr. NIKESH B Ms. HEMASHREE Mr. JAYAPRAKASH B S Mr. JISHNU T
1305.	49S_BE_5091	HEART ATTACK RISK PREDICTION USING MACHINE LEARNING AND DEEP LEARNING MODEL	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. FLAVITA PINTO Prof. DEEKSHA	Mr. M PRAJWAL KUMAR Mr. MANOJ MANJUNATH BHAT Mr. NITHESH K R Ms. VIDYA K
1306.	49S_BE_5242	DIABETIC RETINOPATHY DETECTION USING DEEP LEARNING	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. CLITUS NEIL DSOUZA Mrs. DEEKSHA	Mr. K SKANDA SHETTY Mr. P S CHIRAG CHINNAPPA Mr. SATVIK CHANDRAKANT MOGER Mr. VILAS RATHNAKAR NAIK
1307.	49S_BE_5330	AUTONOMOUS SMART BOT FOR EFFICIENT SUN DRYING OF ARECANUT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SOORYA KRISHNA K	Mr. SAMARTHA H M Mr. SHARAN B H Mr. KARTHIK K RAO Mr. K ABHIJNA SHETTY
1308.	49S_BE_1794	EXPERIMENTAL AND COMPUTATIONAL STUDY ON SUSTAINABLE HYBRID NATURAL FIBER COMPOSITES FOR MARINE STRUCTURAL APPLICATIONS.	B.E.	MARINE ENGINEERING	Prof. NITHIN JOSHUA	Mr. ADARSH Ms. DEVAYANI SN Mr. KARTHIK PV Mr. KISHAN KUMAR
1309.	49S_BE_2310	AGROSPHERE: UNIFIED MARKET ECOSYSTEM FOR FARMERS	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. ABHIJNHA B N Prof. NAGARAJA HEBBAR N	Mr. DARSHAN K S Mr. J S MITHUN Mr. PARAMVEER Mr. PREETHAM C G
1310.	49S_BE_4583	DHARAAAI: AN AI-POWERED ADVISORY SYSTEM FOR CROP SELECTION, FERTILIZER OPTIMIZATION, AND SUSTAINABLE FARMING	B.E.	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Prof. KIRAN	Ms. SHASHMITHA V Ms. CHETHANA KESHAVA SHETTIGAR Ms. DYNA PEMMAIAH K Ms. SANJANA K S
1311.	49S_BE_4683	ONLINE EXAM PROCTORING SYSTEM WITH AI-BASED REAL-TIME IDENTITY VERIFICATION AND BEHAVIOR MONITORING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SALINI ABRAHAM	Mr. SHREESHAIL NIDAGUNDI Mr. PIYUSH. S. B Mr. SHREE HARI Mr. SUSANTH M S
1312.	49S_BE_4889	SNAPSCAN-A SMART DOCUMENT SCANNER APP	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. JENISHA JESWITA VEIGUS	Mr. SANJAY GOUDA Mr. SHRIRAM HARISHCHANDRA GOUDA Mr. SUDEEP ANIL NAIK Mr. NIKHIL SUBHAS SHETTY
1313.	49S_BE_1577	STRUCTURAL DAMAGE DETECTION IN ENCLOSED SPACES USING MACHINE LEARNING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. NIVIN K S	Mr. KRISHNA SHARAN S PANDITH Mr. NIVED C Mr. ROSHEDH S U

165. SRINIVAS UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY, MUKKA, MANGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1314.	49S_BE_5516	THERMAL MANAGEMENT OF ELECTRONICS USING OSCILLATING HEAT PIPES THROUGH EXPERIMENTAL STUDIES AND FLOW VISUALISATION	B.E.	MECHANICAL ENGINEERING	Dr. K RAMANARASIMHA	Mr. MANISHANKAR P Mr. NISHANTH LOBO Mr. NARAYAN HANAMESH DESAI Mr. KIRAN M N
1315.	49S_BE_3149	WIRELESS BIONIC ARM ON ROBOTIC VEHICLE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SHWETHA S. R.	Mr. SURAJ Ms. ANVITHA S K Ms. PRATEEKSHA GANAPATI GAVADI
1316.	49S_MCA_0241	SAFEZONE - SMART EMERGENCY ALERT AND SAFETY ASSISTANCE WEB APPLICATION	M.C.A.	COMPUTER APPLICATIONS	Prof. K MADHUSUDHA	Mr. DEVIKIRAN Mr. RAKSHITH Ms. ANANYA Ms. SANDHYA S
1317.	49S_BE_2923	INTEGRATED MULTI MODE COMPUTER SCREEN MONITORING AND ACTIVITY RECORDING SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. AMRITHA KINDALKAR Prof. ANAND S UPPAR	Mr. MOHAMMAD RAHIL Mr. NITHESH Mr. PRANAM M SUVARNA Mr. MOHAMMED
1318.	49S_BE_3840	INTELLIFIX - AI-POWERED AUTOMATED CODE DEBUGGING, ERROR CLASSIFICATION & SMART REPAIR SYSTEM.	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. JANAPATI VENKATA KRISHNA	Mr. VIRUPAKSHA NAGARAJ ICHCHANGI Mr. VINOD HOSMANI Mr. PRAHLAD SOMAPORKAR Mr. SHRINIWAS TAWATE
1319.	49S_BE_4856	VOICE CONTROLLED DATA ANALYTICS AND VISUALIZATION TOOL	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SWATHI R	Ms. SHIVANI D SHETTY Ms. VANSHITHA A V PUTHRAN Ms. VARSHA M BAITMANGALKAR
1320.	49S_BE_5297	BHARATVERIFY-AI-DRIVEN-IDENTITY-PROOF-CHECKER	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VARSHA G B	Mr. DARSHAN D G Mr. VINAYAK BANAKAR Ms. DIVYA S Mr. PRAJWAL
1321.	49S_BE_6360	AGRITECH: DEVELOPEMNT OF LOW-COST, SOLAR-POWERED IOT-ENABLED SMART AGRICULTURAL TOOL WITH IOT AND NLP INTEGRATION FOR SMALL FARMERS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. MAMATHA S J Mr. VISHWAS SHETTY	Ms. SANJANA C VERNEKAR Ms. SANJANA M NAIK Ms. SHRADHA K HARIKANTRA Ms. SHRAVANI H P
1322.	49S_BE_7013	AETHER-1 (AUTONOMOUS ENGINEERING TESTBED FOR HIGH-EFFICIENCY REMOTE TELEMETRY) CUBESAT ENGINEERING MODEL	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHIFANA BEGUM	Ms. ANAMIKA KUNWAR RAO Mr. A K KAVAN Mr. ABHIRAM V Mr. SUMANT BHAT
1323.	49S_MCA_0240	ECHOTHRAD: A SMART APPROACH TO CLOTHING REUSE AND DONATION.	M.C.A.	COMPUTER APPLICATIONS	Prof. SHALMALI P V	Ms. SHETTIGAR HEMASHREE SUDARSHAN Ms. KAVYA Ms. NISHITH
1324.	49S_MCA_0243	SECUREACCESSX - DUAL-MODE SYSTEM FILE PROTECTORNTATION BEGINS	M.C.A.	COMPUTER APPLICATIONS	Prof. VISHNU P J	Mr. ARUN Mr. ANUSH KUMAR Ms. SUSHMITHA Ms. RAKSHA N
1325.	49S_BE_4640	AI MODEL FOR PREDICTING CROP PRICE FLUCTUATIONS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. ANAND S UPPAR	Ms. POOJA S HANJI Ms. CHINMAYI BANAKAR Ms. YALLAMMA BYADAGI
1326.	49S_BE_5405	INTELLICAMPUS: A NEXT-GENERATION AI PLATFORM FOR AUTONOMOUS SCHOLASTIC WORKFLOW MANAGEMENT AND SECURE HYBRID ATTENDANCE AUTHENTICATION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. PRAVEEN BLESSINGTON THUMMSLSKUNTA Prof. ANAND S UPPAR	Ms. APARNA RAJESH Mr. MEKHANATH M Ms. PAVITHRA K Ms. R LAKSHMI
1327.	49S_BE_7080	AI-POWERED CLOUD-BASED EXAMINATION MANAGEMENT SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. JANAPATI VENKATA KRISHNA	Mr. PRAJWAL R Ms. PRAGATHI SHETTY Ms. PRANAVI H RAO Ms. VEEKSHA

166. St. JOSEPH ENGINEERING COLLEGE, MANGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1328.	49S_BE_0195	FABRICATION AND NUMERICAL STUDY OF MELTING STUDY OF PARAFFIN-RT58 WAX WITH ROUND FIN AND PLATE FIN HEAT EXCHANGER.	B.E.	MECHANICAL ENGINEERING	Dr. VIJAY V S	Mr. DK SAJID Mr. ISMAIL ASFAK Mr. HIMANSHU K Mr. SHREERAJ K KRISHNAN

1329.	49S_BE_0726	EEG-BASED ASSISTIVE COMMUNICATION SYSTEM FOR APHASIC PATIENTS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SHAMA B N	Mr. ABEL BABU Mr. ANUSH Mr. CHANNAVEERGOUDA HUTTANAGOUDA Mr. CHRISTOPHER INAS LAINDAV
1330.	49S_BE_0962	AQUATRON (IOT-ENABLD SMART WATER TANK CLEANING SYSTEM)	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. PADMINI BHAT	Mr. AJITH CRASTA Ms. ANUSHREE K Mr. KIRAN GANIGERA Mr. LIKHITH
1331.	49S_BE_1077	REAL-TIME IOT-BASED MONITORING AND AI-DRIVEN INSIGHTS FOR BEE COLONY MANAGEMENT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. FLORENCE NISHMITHA	Mr. JOSHUA QUINTHINO ALBUQUERQUE Mr. ADITHYA G SHENOY Mr. MUHAMMAD RABEEZ Ms. LISHA D S
1332.	49S_BE_4004	VOICEHEARD: A BIDIRECTIONAL ISL TRANSLATION APP IN ENGLISH AND HINDI	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. SUPREETHA D R	Ms. BRENELLE SERRAO Ms. CALIDA MARIA PEREIRA Ms. JENISHA TAURO Ms. JENISHA VIYONNA DSOUZA
1333.	49S_BE_6165	SAFEETS-AN AI FOOD ALLERGEN DETECTION APP	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. SUPREETHA D R	Ms. ADVITI ALVA Ms. AMINA NIDHA Ms. AARAL ROCHELLE NORONHA Ms. ANGELA DSOUZA

167. St. JOSEPH'S UNIVERSITY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1334.	49S_MCA_0265	LOW-COST SENSOR AND DEEP LEARNING-BASED METHOD TO SPRAY THE FARMS WITH CONTROLLED OR LIMITED PESTICIDES WITH EQUAL DISTRIBUTION	M.C.A.	COMPUTER APPLICATIONS	Dr. DEEPA NAGALAVI Mr. MOHAMMED MUEEN PASHA	Ms. JERUSHA PAMELLA FELIX.M Ms. DIVYASHRI.R Ms. DEVIKA.J
1335.	49S_MSC_0280	FORMULATION AND EVALUATION OF PHYSICO CHEMICAL, TEXTURAL, NUTRITIONAL AND SENSORY PROPERTIES OF PROTEIN ENRICHED CHEESE ANALOGUE FROM PLANT SOURCES.	M.Sc	FOOD SCIENCE AND TECHNOLOGY	Dr. ANUPRIYA MAZUMDER	Ms. CHERYL SAJU
1336.	49S_MSC_0235	STATE-OF-THE-ART ML-DRIVEN TOURISM FORECASTING AND INSIGHT SYSTEM WITH ACTIONABLE FOOTFALL & REVENUE MAXIMIZATION	M.Sc	COMPUTER SCIENCE	Dr. B G PRASANTHI Dr. B NITHYA	Mr. DEEMANTH S Mr. B K KAUSHIK KUMAR Mr. S SYED ZAFFER Mr. VISHWAS DEVENDRA MADHAK
1337.	49S_MCA_0272	AI-BASED RISK PREDICTION SYSTEM FOR ANEMIA AND GESTATIONAL DIABETES IN RURAL PRIMARY HEALTHCARE IN KARNATAKA FOR PREGNANT WOMEN	M.C.A.	COMPUTER APPLICATIONS	Dr. SIVAKUMAR T Dr. B G PRASHANTHI	Ms. INARAT HUSSAIN Ms. D KATHERINE RIA Ms. SAJIDA BEGUM
1338.	49S_MSC_0185	COMPUTATIONAL FRAMEWORK AND ML-DRIVEN MODELING FOR PREDICTION OF OPTIMAL BIOPLASTIC COMPOSITION FOR THE DEVELOPMENT OF ECO-FRIENDLY POLYMER NANOCOMPOSITE BIOPLASTICS FROM AGRICULTURAL RESIDUES	M.Sc	COMPUTER SCIENCE	Dr. MRINMOYEE BHATTACHARYA Dr. A M BOJAMMA	Mr. HARIKRISHNA ALUNGAL PRAKAS Mr. BHARATH B M Mr. JONATHAN MONCY MATHEW Mr. TANISHQ MANI MARAN RAJ

168. St. PHILOMENA'S COLLEGE (AUTONOMOUS), MYSURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1339.	49S_MSC_0327	GREEN EXTRACTION AND COMPUTATIONAL EVALUATION OF CAFFEIC ACID-THIADIAZOLE HYBRIDS FROM SPENT COFFEE GROUNDS AND PEELS: A DRUG-HERB SYNERGISTIC APPROACH	M.Sc	GENERAL CHEMISTRY	Dr. ZABIULLA Dr. SALEEM JAVID	Mr. HEMANTH GOWDA K J Mr. YADUNANDAN S Ms. SUFIYA NIKHAT

169. S-VYASA (DEEMED-TO-BE UNIVERSITY), BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1340.	49S_MCA_0172	AN IOT ASSISTED DIGITAL BLOOD TYPE DETECTION SYSTEM UTILIZING ELECTRO-OPTICAL SENSING OF ANTIGEN-ANTIBODY AGGLUTINATION	M.C.A.	COMPUTER APPLICATIONS	Dr. JAI SINGH W	Mr. NIRANJAN T S Mr. AJAY KUMAR V M
1341.	49S_MCA_0183	ATR (ANY TIME REPAIR) - CLOUD-ENABLED TECHNICIAN BOOKING & REPAIR MANAGEMENT SYSTEM	M.C.A.	COMPUTER APPLICATIONS	Dr. B. VASUMATHI Mrs. C.DEEPIKA	Ms. BHUMIREDDY VEERA BHAVITHA
1342.	49S_MCA_0201	MACHINE LEARNING ENABLED FARM SUPPORT FRAMWORK FOR REDUCING CROP LOSS AND PRICE FLUCTUATION RISKS	M.C.A.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. ASHVINI ALASHETTY	Ms. PAVAN RAJ R Mr. RAKESH B R Mr. MANJU K S Mr. VINAY R

170. T. JOHN INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1343.	49S_BE_6645	DESIGN AND IMPLEMENTATIONS OF A REAL-TIME IIOT CONTROLLER USING WEBSOCKETS.	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. SUGANYA M Dr. JERALD PRASATH GEORGE	Mr. KRISHNA VAMSHI V Mr. M POTHISWARAN Mr. MADESH S Mr. MANOJ M
1344.	49S_BE_5581	CLICKSMART: INTELLIGENT SHIELD AND EARLY WARNING SYSTEM FOR IDENTIFYING AND PREVENTING PHISHING ATTACKS ON SOCIAL PLATFORMS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. ASHA S MANEK	Mr. K SHAKTHI GANESH Mr. MOHAMAD HARSHAD S Ms. PRATHIBHA P Mr. SUDARSHAN S

171. SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1345.	49S_MSC_0352	DEVELOPMENT AND FIELD VALIDATION OF LOW-COST BIOSENSOR STRIPS FOR EARLY DETECTION OF DIABETIC RETINOPATHY	M.Sc	BIOTECHNOLOGY	Mr. WILFRED. A	Ms. TEJASWINI R Ms. DEEPIKA TT Ms. NISARGA Mr. YOGESH ND
1346.	49S_MSC_0297	RHIZOAQUA CAPSULES: SLOW-RELEASE BIOFERTILIZER FOR INDOOR HYDROPONICS	M.Sc	BOTANY	Dr. NILINA JAMES	Ms. HARSHITHA LEO B Ms. SAIRA BANU

172. THE OXFORD COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1347.	49S_BE_4299	STRUCTURAL HEALTH MONITORING AND ANALYSIS OF IOT SENSOSHIELDED (G+4) SHOPPING COMPLEX USING ETABS	B.E.	CIVIL ENGINEERING	Mrs. GAYATHRI R	Mr. P. TAMILSELVAN Mr. S. HARSHITH
1348.	49S_BE_4023	MOLECULAR CHARACTERIZATION AND IDENTIFICATION OF INDIAN PAPER MULBERRY, BROUSSONETIA PAPYRIFERA (ROSALES: MORACEAE) USING CP DNA AND ITS GENE SEQUENCES	B.E.	BIOTECHNOLOGY	Dr. K.VALARMATHY Dr. BK MANJUNATH	Mr. GIFTTO GODS FEARETH D Ms. SRI VARSHA G
1349.	49S_BE_1055	PLC BASED CONTROL PANEL FOR SCISSOR LIFT OPERATION	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. B DEVI VIGHNESHWARI	Ms. HARSHITHA B Ms. POOVAMMA A C Mr. GAGAN GAJ D Mr. PRASHANT
1350.	49S_BE_1657	AUTOMATIC PORTABLE WASHROOM	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. B DEVI VIGHNESHWARI	Ms. GAYATHRI S Ms. POOJA Ms. DEEKSHA Ms. NANDITHA D N
1351.	49S_BE_2202	DEVELOPMENT OF A WEARABLE PROGRESS TRACKING DEVICE IN FINGER REHABILITATION FOR STROKE PATIENTS WITH ANDROID APP	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. PREETA SHARAN Ms. TINA ELIZABETH THOMAS	Mr. SUDEEP U KADAM Mr. PRAMODH H S Mr. RAKESH KHADDANAVAR Mr. SANJAY J
1352.	49S_BE_1512	SMART INFRASTRUCTURE FOR IN-MOTION EV CHARGING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. J JESY JANET KUMARI	Mr. AJITH T Mr. ABHISHEK D N Mr. ADARSH R Mr. GAGAN B T

1353.	49S_BE_1723	SPIDER BOT: ADVANCED CAMERA-EQUIPPED SURVEILLANCE AND LANDMINE DETECTION SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. JENIGA GEMSY THEPORA	Ms. MANJUSHREE D S Ms. HUMA AARA Ms. K PRIYA Ms. LAVANYA V
1354.	49S_BE_2465	A SOCIETALLY DRIVEN SELF-HEALING CYBERSECURITY FRAMEWORK FOR SECURE CLOUD SERVICES.	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. E. SARAVANA KUMAR	Ms. PRIYA ADHIKARI Ms. RAKSHA SHETTY Mr. PREM MANASING RATHOD Ms. RAMYA HALAGANI
1355.	49S_BE_0769	MILITARY ROBOT: AUTONOMOUS MILITARY ROBOT FOR BORDER SURVEILLANCE USING COMPUTER VISION AND ADAPTIVE CAMOUFLAGE.	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. NIDHI	Ms. SHASHVITHA D M Ms. PRATIKSHA M Ms. PRIYANKA S Ms. SINCHANA G M
1356.	49S_BE_1579	AN ACCESSIBLE VOICE-CONTROLLED BRAILLE KEYPAD FOR VISUALLY IMPAIRED	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. REKHA S	Ms. ROOPASHREE R Ms. SAHANA S Ms. RAKSHITHA GH Ms. MASEEKA KOINAIN
1357.	49S_BE_2659	IOT BASED ANTI THEFT FLOOR MAT SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. KANAGAVALLI R	Mr. LAXMIKANT BIRADAR Mr. DARSHAN KUMAR K V Mr. AMITH B D Ms. MISBA ARSHAD
1358.	49S_BE_3089	AUTOMATED TOLL PLAZA USING RFID	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. VIDHYA	Mr. SUHAS C S Mr. SHASHANK P Mr. S K JAVED Mr. SOMASEKHAR V

173. THE OXFORD COLLEGE OF SCIENCE, ARTS, COMMERCE & MANAGEMENT, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1359.	49S_MSC_0275	ASSESSMENT OF MICROPLASTICS IN THE FOOD CHAIN: DETECTION, QUANTIFICATION, AND POTENTIAL HEALTH IMPLICATIONS	M.Sc	APPLIED GENETICS	Dr. MITALI SINGHAL Dr. SUBHA BABU JAYAPRAKASH	Ms. MADHUMITHA.S Ms. KONDURU NIVEDHANA Ms. K.N. MADHAVI
1360.	49S_MSC_0227	BIOGENIC SILVER NANOPARTICLES FROM ACALYPHA INDICA FOR DEVELOPING ANTIBACTERIAL WOUND-HEALING BANDAGES IN DIABETES MANAGEMENT	M.Sc	BIOTECHNOLOGY	Dr. C.KAMATCHI Dr. SUSMITA SRIVASTAVA	Ms. HEMALATHA R Ms. ARCHANA S Ms. VAISHNAVI S Ms. BHOOMIKA G J

174. TONTADARYA COLLEGE OF ENGINEERING, GADAG

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1361.	49S_BE_5712	HYDRAULIC BAR BENDING MACHINE	B.E.	MECHANICAL ENGINEERING	Prof. ARUN SHIVASHIMPI Dr. RAJENDRA V KADI	Mr. MOHAMMAD KAIF NADULMANI Mr. ABHILASH G P Mr. DEVARAJ BENGALORE Mr. VINAYAKUMAR BADIGANNAVAR
1362.	49S_BE_5537	ECO FRIENDLY COMPOSITE CONCRETE USING INDUSTRIAL WASTES	B.E.	CIVIL ENGINEERING	Prof. BHARATKUMAR B PATIL Dr. ASHWINI M ARALI	Ms. ANNAPOORNESHWARI R KATTI Ms. VIDYA NAGALAPUR Mr. SHIVARAJ KAMBLE Mr. VEERESH DATANAL

175. UNIVERSITY COLLEGE OF SCIENCE, TUMKUR UNIVERSITY, TUMAKURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1363.	49S_MSC_0331	ENVIRONMENTALLY BENIGN PREPARATION OF PURE/DOPED METAL OXIDE NANOPARTICLES AS PROMISING PHOTOCATALYST AND HUMIDITY SENSORS	M.Sc	CHEMISTRY	Dr. NIRMALA.B Dr. VEERABHADARYA M	Ms. VYSHNAVI M S Mr. BADRI L Ms. ANUSHA D N
1364.	49S_MSC_0065	NOVEL AND POTENT QUINOLINE DERIVATIVES: SYNTHESIS, BIOLOGICAL EVALUATION, MOLECULAR MOCKING AND ADME STUDIES	M.Sc	CHEMICAL SCIENCE	Prof. S.SREENIVASA Dr. NIVEDITA RATNAKAR DESAI	Ms. SHOBHA P Ms. PRIYA G Ms. MANI

176. V.S.M'S SOMASHEKHAR R. KOTHIWALE INSTITUTE OF TECHNOLOGY, NIPANI, BELAGAVI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1365.	49S_BE_3322	FABRICATION OF PATIENT LIFTING AND RELOCATING DEVICE	B.E.	MECHANICAL ENGINEERING	Prof. AMAR V NAVALIHALKAR	Mr. SUJAL S. MANE Mr. CHAITEESH B. LOKARE Mr. PRIYESH S. PATILPIDAP
1366.	49S_BE_5363	DESIGN AND IMPLEMENTATION OF AHB TO APB BRIDGE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. MADHAVI J. A	Mr. SHANKAR M INDI Mr. PRANIT KORE Mr. SHIVARAJ AMBARE Mr. VISHAL PATIL
1367.	49S_BE_5695	UNDERWATER WIRELESS COMMUNICATION SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. SAGAR BIRADE	Mr. DARSHAN MARABILLE Mr. SATVIK MOLE Mr. SUJAL NITIN GAVE Mr. SWAROOP KHOT
1368.	49S_BE_2388	SMART SELF CHECKOUT CART SYSTEM USING DEEP LEARNING AND IOT	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VASANT KOLAR Prof. ANUP GANJI	Ms. SHAHIN MODIN MULLA Ms. ARUNA RAMESH KAMBLE Ms. MAHEK FAYAZAHMED MULLA Ms. RIYA RAJU SUTAR
1369.	49S_BE_2897	HYDRO SCAN THE SCIENCE OF SMART WATER MONITORING USING IOT AND ML	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VASANT KOLAR	Ms. PRIYANKA BASAVANNI MUDALAGI Ms. POOJA CHANDRASHEKAR TAKKALAKI Ms. TAYYABA ZAKIR SAYYAD
1370.	49S_BE_3220	HUMAN EYE DISEASE PREDICTION BASED ON OCT SCAN OF THE EYE USING MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SUHAS YADAV Prof. RAHUL PALAKAR	Mr. SHRINIVAS NAIK Mr. SWAPNIL NAVALE Ms. MALI SHREYA JITENDRA Ms. AISHWARYA RAVINDRASING PARADESHI
1371.	49S_BE_4688	SMART TOLL EYE (PAY PER KILOMETER)	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SHRIKANT ATHANIKAR Prof. ANUP GANJI	Mr. YUVRAJ GHATEKARI Ms. SNEHA JADHAV Ms. SNEHAL HANABAR Ms. SHRUTIKA SHINDE
1372.	49S_BE_4880	AI-BASED DETECTION & CLASSIFICATION OF TOXICITY IN SOCIAL MEDIA INTEGRATION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. PRABHU KICHADI	Mr. SHAMBHUNATH B MODIKAR Mr. AMAN R MULLA Mr. HARSH BONGALE Mr. DADASO KHOT

177. VAISIRI INSTITUTE OF MANAGEMENT AND TECHNOLOGY, TUMKURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1373.	49S_MBA_0206	COMMERCIAL FEASIBILITY OF ECO-BLOCKS FROM RECYCLED PAPER WASTE	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Mr. ADARSH B	Mr. MANJUNATH G Ms. VIDYA SHREE K Ms. KEERTHI .G Mr. TEJAS.K.R
1374.	49S_MBA_0232	SMART IOT BASED INSECT PREDICTION AND CONTROL SYSTEM (SIPCS)	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Mr. ADARSH B	Ms. INDUSHREE K Mr. HARSHITH GOWDA K N
1375.	49S_MBA_0225	PRECISION ARECANUT CULTIVATION: DEVELOPMENT OF AN INTELLIGENT FERTILIZER APPLICATION UNIT FOR ENHANCED RURAL YIELDS	M.B.A	ARTIFICIAL INTELLIGENCE	Mr. ADARSH	Mr. VASANTH C S Mr. PAVAN L K Ms. PRATIKA HIREMATH Ms. VEENA C D

178. VEMANA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1376.	49S_BE_5380	AUTOMATED 3D PRINTING FILAMENT MAKER USING SOLID WASTE	B.E.	MECHANICAL ENGINEERING	Mr. RAKESH B.G	Mr. BRUNDHAN B.A Mr. ISMAIL ZABI ULLA Mr. SIVANESHWARAN.G
1377.	49S_BE_3530	GREY WATER QUALITY MONITORING AND RECYCLING KIT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. ROHITH A V	Mr. NANDEESH A Mr. MADAN GOVINDA CHAND Mr. MD MUSTAFA CHAND Mr. MOHAMMED USMAN GHANI
1378.	49S_BE_6240	WAVE CHARGE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. MANASA CHARITHA	Ms. VILASINI S Mr. S.ADITHYA REDDY Mr. V.THANUJ

1379.	49S_BE_2971	REAL-TIME SIGN LANGUAGE TRANSLATOR	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. JYOTHI M	Mr. A NITHIN MEDA Mr. ABHISHEK G Mr. ABDUL WAJEEED Mr. PARTHASARATHI L
1380.	49S_BE_0979	ADAPTIVE ANOMALY DETECTION SYSTEM FOR SOFTWARE DEFINED NETWORKS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Mr. DILIP S	Ms. CHAITHRA.R Ms. ASHA.M Ms. DEEPTHI P C

179. VIDYA VIKAS INSTITUTE OF ENGINEERING AND TECHNOLOGY, MYSURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1381.	49S_BE_6687	DEVELOPMENT OF COST-EFFECTIVE SUSTAINABLE ROOF TILES INTEGRATED WITH SOLAR ENERGY HARVESTING	B.E.	CIVIL ENGINEERING	Ms. ANUSHA G S	Mr. DHANUSH S Mr. MAHESH KUMAR M Ms. SAKSHI.N Ms. ANUSHA S
1382.	49S_MBA_0220	GREEN RE-PAY PLATFORM: SCAN, RETURN AND EARN	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. VASANTHI REENA WILLIAMS	Mr. LIKHITH KUMAR GB Ms. MARIYAM
1383.	49S_BE_5217	SPATIAL SENSE USING AI TECHNOLOGY FOR SMART HOMES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUMA Prof. NETHAVATHI	Mr. VETRIVEL.G Mr. ABHIJITH ABY Ms. PRAKRUTHI.B Ms. SONA.HR
1384.	49S_BE_5285	THE SMART BUOY: A CONNECTED LIFE JACKET FOR MARINE PROFESSIONALS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. KOMALAKUMARI Dr. SUMA	Ms. KEERTHANA K T Mr. GOWTHAM B S Ms. LIKITHA B P Mr. RITHIK GOWDA M
1385.	49S_BE_5838	A COMPACT 24-GHZ MIMO-ANTENNA DESIGN FOR 5G COMMUNICATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mrs. SOWMYA M Dr. RAJALAKSHMI M C	Mr. PREETHAM H A Mr. SACHIN MURCHAVAR Mr. RAKESH N Mr. CHANDU H N
1386.	49S_BE_5412	AGROSPHERE: SMART FARMING DECISION SUPPORT SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VINUTHA N	Mr. ABHISHEK S Mr. HAMEESH H S Ms. NEHA M D Ms. SINCHANA S Y
1387.	49S_BE_6519	A BIRECTIONAL REAL-TIME LANGUAGE TRANSLATION SYSTEM USING NLP AND ARTIFICIAL NEURAL NETWORKS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. NAMITHADEVI N N	Ms. PRAPTHI V Ms. LAKSHMI R Mr. YASHWANTH T R Mr. HARSHA A M
1388.	49S_BE_6717	REALTIME AIR POLLUTION PREDICTION USING AEROVISION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. JAMUNA	Mr. NISHCHITH U Mr. PRAMOD S Mr. PRANAV KUMAR M K Mr. SUCHITH GOWDA R
1389.	49S_MCA_0263	ENHANCED LOGIN SECURITY USING KEYSTROKE DYNAMICS	M.C.A.	COMPUTER APPLICATIONS	Prof. G PRASNN DAVID	Mr. DARSHAN K C

180. VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1390.	49S_BE_2651	ENHANCING THE THERMAL PERFORMANCE OF EVACUATED TUBE SOLAR COLLECTORS USING AL2O3 NANOFLUID	B.E.	MECHANICAL ENGINEERING	Prof. MANJUNATH V B Prof. MANJUNATH V B	Mr. MANOJ C M Mr. K DILEESH GOWDA Mr. CHANDAN P Mr. RANJAN M
1391.	49S_BE_3350	DEVELOPMENT OF LOW-COST AIR-OXYGEN VENTILATOR WITH INTEGRATED OXYGEN SATURATION MONITORING	B.E.	MECHANICAL ENGINEERING	Dr. SHRINIVASA D	Mr. MOHITH C Mr. DHANUSH VISHWAKARMA S Mr. NANDISH M K Mr. PRASHANTH M
1392.	49S_BE_4121	SMART JEEVAMRUTHA SYNTHESIZER	B.E.	MECHANICAL ENGINEERING	Prof. RAKSHITH GOWDA D S	Mr. SATHYA PRAKASH BEHERA Mr. SYED TANVEER Mr. FATHEEN AHMED KHAN Mr. JAIKEERTHI K
1393.	49S_BE_4769	MECHANICAL CHARACTERIZATION AND PERFORMANCE STUDY OF 3D PRINTED PLA-BAMBOO-KEVLAR HYBRID LAMINATES	B.E.	MECHANICAL ENGINEERING	Dr. NITHYANANDA B S	Ms. DIYASHREE B Mr. RAJSHEKAR D Mr. DHYAN S Mr. HARSHA C M
1394.	49S_BE_6785	ACOUSTIC EMISSION ANALYSIS OF DRILLING IN HYBRID AL6061 COMPOSITES REINFORCED WITH TITANIUM DIOXIDE AND GRAPHITE	B.E.	MECHANICAL ENGINEERING	Dr. NITHYANANDA B S	Mr. S VINUTHAN KULAL Mr. SKANDA ARADHYA Mr. CHETHAN B
1395.	49S_MBA_01 25	GREEN NUTRIENT TABLETS: VALUE ADDITION OF AGRICULTURAL WASTE INTO SUSTAINABLE SOIL CONDITIONING	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. LAKSHMI P Dr. BHAVANISHREE	Ms. CHETHANA.N Mr. DARSHAN.S Mr. PRATHIBHA VIKASINI HEGDEY Ms. SPANDANA.B

1396.	49S_BE_0086	DESIGN AND DEVELOPMENT OF A 48V LITHIUM-ION BATTERY PACK WITH INTEGRATED BMS FOR ELECTRIC BICYCLE APPLICATIONS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. LOKESH C	Mr. ASHISH L Ms. AAMNA SUAD Mr. ASHISH S BARN Mr. RAJENDRA SAGAR
1397.	49S_BE_0092	OPTIMAL PLACEMENT AND SIZING OF DISTRIBUTED GENERATION IN RADIAL DISTRIBUTION SYSTEMS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. SHOBA SHANKAR	Ms. AISHWARYA R Ms. HARSHITHA K R Ms. NEHA J U
1398.	49S_BE_0093	AI & ML BASED SIGN LANGUAGE TRANSLATOR USING RASPBERRY PI	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. RASHMI S	Ms. HARSHINI G K Ms. NESARA D S Ms. MONISHA N M Ms. CHANDANA C M
1399.	49S_BE_0612	REAL-TIME BUS TRACKING AND PASSENGER-OCCUPANCY INFORMATION SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SHIPLA B V	Mr. OMKAR Mr. KHAJABANDE NAVAJ Mr. NIKHIL SHARMA Mr. RITHVIK NAG
1400.	49S_BE_0864	VOICE BASED EMAIL SYSTEM FOR VISUALLY IMPAIRED USERS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. DIVYA C D	Ms. VARSHA PAWAR Ms. SPOORTHY MS Ms. TAPASYA CHINNANAGAPPA
1401.	49S_BE_0870	GREENPULSE: REAL-TIME CARBON FOOTPRINT ANALYTICS USING AI AND IOT TECHNOLOGIES FOR SUSTAINABLE LIVING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. MANASVI J MAASTHI	Ms. SNEHA PATTAR Ms. BHUMIKA H P Ms. INDUMATI Ms. MANASA PRABHU S
1402.	49S_BE_1027	AI DRIVEN HYBRID MODEL FOR SEMICONDUCTOR ANALYTICS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. G SIREESHA	Ms. NISHKALA V R Ms. NAIK SANIYA PRAMOD Mr. MADHUR V
1403.	49S_BE_1178	EDUPING - INSTANT MESSAGE SUMMARIZER AND AUTOMATED FORWARDING SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. HAMSAVENI M	Ms. AKSHARA ANIL KUMAR Ms. ANUSHREE N Mr. ADITHYA SINGH R Mr. ADARSH C
1404.	49S_BE_1340	PYLO.AI - YOUR AI WINGMAN FOR MARKETING ASSETS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. ARUN KUMAR N	Mr. MAHANATH K S Ms. DVSK SRIHARI PRIYA Mr. KUSHAL MG Mr. MADESH KUMAR
1405.	49S_BE_2236	SWIFT: A LIGHTWEIGHT HYBRID TRANSFORMER-FOURIER MODEL FOR SINGLE IMAGE SUPER-RESOLUTION (SISR).	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. HAMSAVENI M	Mr. SAIF ULLA KHAN Ms. SAMANVITHA R Ms. SANJANA S Ms. SHREYA C
1406.	49S_BE_6073	ALGAE FOR CLIMATE ACTION AN SDG 13 INITIATIVE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mrs. SHWETHA G K	Ms. GUNASRI J R Ms. HARSHITHA S M Mr. HEMANT MANJUNATH KADLER Mr. CHANDAN GOWDA S N
1407.	49S_BE_0543	AI-POWERED ADAPTIVE LEARNING SYSTEM FOR DYSLEXIC CHILDREN	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. SOUMYA G V	Ms. MYTHRI Mr. ROHIT VIHAN K Mr. S M KUSHAL
1408.	49S_MTECH_0002	ELECTRONIC BRUSH FOR PLAQUE REMOVAL: IMAGE PROCESSING, AI AND ACTUATION APPROACHES	M.Tech	COMPUTER SCIENCE AND ENGINEERING	Dr. VEDAVATHI N	Ms. PRIYANKAS

181. VIJAYA COLLEGE, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1409.	49S_MSC_0061	INVESTIGATION OF A NOVEL INDOLE TETHERED TRIAZOLO[4,3-C][1,2,4]TRIAZOLES MOTIFS AS AN ANTIMICROBIAL AGENT:SPECTRAL ANALYSIS, DFT CALCULATIONS,IN VITRO AND IN SILICO STUDIES	M.Sc	CHEMISTRY	Dr. BASAVARAJAIAH. S. M. Dr. KAVITHA R.	Ms. POORNIMA K. S. Ms. RAJITHA SARIKA RAGHU Mr. KESHAVAL M. R.

182. VIJAYA VITTALA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1410.	49S_BE_4741	ML-POWERED DRIVER DROWSINESS DETECTION AND SPEED CONTROL SYSTEM WITH REAL-TIME ALERTS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. MANASA M	Mr. HEMANTH KUMAR C M Mr. RAGHAV G Ms. CHINTAM VIJAYA LAKSHMI Ms. MOULYA M R

183. VIJAYANAGARA SRI KRISHNADEVARAYA UNIVERSITY PG CENTER, NANDIHALLI, SANDUR, BALLARI

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1411.	49S_MTECH_0029	GREEN METALLURGICAL APPROACH FOR VALORISING LOW-GRADE IRON OVERBURDEN USING BIOMASS REDUCTANTS.	M.Tech	MINERAL PROCESSING	Dr. DR P SHARATH KUMAR	Mr. KIRAN KUMAR N Mr. BALAGA SATYANNARAYANA Mr. NASEER HUSSAIN Mr. H KARTHIK

184. VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR, DAKSHINA KANNADA

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1412.	49S_BE_4826	VIRTUORATOR: PREVAIL OVER YOUR STAGE FEAR	B.E.	COMPUTER SCIENCE	Prof. PRADEEP KUMAR K G	Mr. SACHIN Mr. SANDESH Mr. SHRIVATSA S Mr. THEJAS
1413.	49S_MCA_0108	INTERNET OF THINGS BASED KSRTC LOCAL BUS ARRIVAL AND DEPARTURE MONITORING SYSTEM	M.C.A.	COMPUTER APPLICATIONS	Mr. ANIRUDHA B G S	Mr. KARTHIK NAYAK Mr. CHETHAN Ms. SHIFALI K SALIAN Mr. ADITYA G
1414.	49S_MCA_0113	IOT-ENABLED SMART AMBULANCE WITH REAL TRAFFIC SIGNAL PRIORITY AND HOSPITAL INTEGRATION	M.C.A.	COMPUTER APPLICATIONS	Mr. ANIL KUMAR K Dr. JOTHIMANI K	Mr. RACHAN P M Ms. KANYA SHENOY Ms. ADEEKSHA H K Ms. RAKSHA SHETTY
1415.	49S_MCA_0120	AUTOMATIC POWER LINE FAULT DETECTION AND REPORTING SYSTEM USING IOT	M.C.A.	COMPUTER APPLICATIONS	Mrs. NEEMA H	Ms. KRIPA A Mr. BHAVISH KUMAR Mr. DILAN B Ms. SOWJANYA K S
1416.	49S_MCA_0123	STEPVOLT: SUSTAINABLE FOOTSTEP ENERGY GENERATION AND UTILIZATION SYSTEM	M.C.A.	COMPUTER APPLICATIONS	Dr. JOTHIMANI K	Mr. RAKSHITH B Ms. CHAITHALI S Ms. CHAITHANYA Ms. HEERA B N
1417.	49S_MCA_0149	AGRINEXORA: MULTI-MODAL SYSTEM FOR CROP HEALTH, MARKET STRATEGY, AND SUSTAINABLE FARMING	M.C.A.	COMPUTER APPLICATIONS	Mrs. POOJALAKSH MI	Ms. ACHINTHYA M Ms. DISHA M T Mr. YASHWITH
1418.	49S_BE_6839	CYBERSEC AI POWERED RED TEAMING ASSISTANT	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. AKSHAYA D. SHETTY	Mr. NISHAN K Mr. ADITHYA ASHOKA SAPALYA Ms. YOGYASHREE K

185. VIVEKANANDA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1419.	49S_BE_2986	AUTOMATIC ELECTRIFIED ROAD SYSTEM FOR ELECTRIC VEHICLES IN MOTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. MONICA N P	Ms. ARPITHA C S Ms. RANJITHA K S Ms. VIJAYALAKSHMI H N
1420.	49S_BE_5939	3D RECONSTRUCTION OF BODY ORGANS USING CNN	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. VIDYA A	Mr. UDAY KIRAN L V Mr. VARUN R Mr. VINAYAK Mr. VISHAL REDDY
1421.	49S_BE_5915	PRINTCHAKRA: AI POWERED SMART PRINT & CAPTURE SOLUTION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SHAILA K	Mr. CHAMAN S Mr. GOWTHAM S Mr. KARTHIK KUMAR V GUPTA

186. YENEPLOYA INSTITUTE OF TECHNOLOGY, MOODBIDRI, MANGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1422.	49S_BE_2242	SOLAR-BASED RO WITH NATURAL JAMUN FILTRATION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. GANESH K. Prof. JAGANESH GC	Mr. MUHAMMAD SHAMIL Mr. MUHAMMED SHAMAL Mr. MUHAMMED LAKISH ALHAN Mr. ADITHYA KRISHNA C
1423.	49S_BE_2251	SMART SOLAR POWERED PEPPER CLEANING MACHINE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. PRASANNA KUMAR C	Mr. VINOD HD Ms. NAMRATHA Ms. VIJETHA Mr. JEEVANTH KUMAR N

1424.	49S_BE_4482	EMBEDDED SYSTEM BASED AUTOMATED CALCIUM OXIDE DISPENSER FOR SERICULTURE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. PRASANNA KUMAR C	Mr. VISHWANATH BALABHEEMA NAYKODI Mr. SHASHANK.S Mr. SUPREETHGOUDA SOMANGOUDA PATIL Mr. MOHAMMED NOWMAN
1425.	49S_BE_2624	HEART ATTACK RISK PREDICTION USING RETINA EYE IMAGE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. PANDU NAIK	Ms. SAVITHRI S KITITALI Ms. SHAILAJA Ms. SHREYA Ms. SHRIRAKSHA
1426.	49S_BE_2933	SWIFTCARE-EMERGENCY PARTNER	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SOUMYA SANTHOSHA	Ms. DEEKSHA Ms. DEEPA Ms. LAVANYA Ms. YUKTHI PRABHU
1427.	49S_BE_4544	SENTIMENTAL ANALYSIS OF INCOMING CALLS ON HELPDESK	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. DEEKSHA K R	Mr. JEFFIN JOHN THOMAS Ms. KHATHIJA AFREENA Ms. MRUDULA R Ms. RIZA
1428.	49S_BE_4646	POWER GENERATION USING FOOTSTEPS WITH CHARGING STATION AND IOT-BASED MONITORING SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. MOHAMMED SIDHEEQUE	Ms. AQHSA SADIYA Ms. NOOR EIN FATHIMA
1429.	49S_BE_3613	AI POWERED TRAVEL GUIDE	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. PRASANNA KUMAR Prof. SAFMINA P.K	Mr. MIDHUL BINSAL K Mr. MOHAMMED SHAHID Mr. MUHAMMED MUSTHAFA SHAHIM Mr. MUHAMMED RASEEL

Note: Project highlighted in grey is funded by AI & Robotics Technology Park (ART-Park), IISc.

* ~ * ~ *

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Indian Institute of Science Campus, Bengaluru - 560012

**LIST OF PROJECTS AWARDED UNDER THE
49th SERIES OF STUDENT PROJECT PROGRAMME: 2025 – 2026**

**Annual State-level Poster Presentation and Exhibition of
Projects selected under 49th series of SPP held at
Adichunchanagiri University - BGS Institute of Technology, BG Nagara – 571448,
Nagamangala Taluk, Mandya District
on 17 and 18 July 2026**

BEST PERFORMING COLLEGE AWARD:
NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU

BEST PROJECTS OF THE YEAR:

POSTER PRESENTATION PROJECTS

AEROSPACE ENGINEERING

Sl. No.	Project. No.	PROJECT SANCTION REFERENCE NO.	TITLE OF THE PROJECT	NAME OF THE COLLEGE	GUIDE(S)	STUDENT(S)
1)	2.	49S_BE_4872	DESIGN AND DEVELOPMENT OF VERTICAL TAKE-OFF AND LANDING UNMANNED AERIAL VEHICLE OF AIR QUALITY INDEX	M.S. RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU	Mr. RAJASHEKHA RAREDDY H G Mr. ANANDA MURUGAN M	Mr. J J ESWAR Mr. CHETHAN C R Mr. YASHAS GOWDA M

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

2)	10.	49S_BE_0787	EFFECTIVE EXPLAINABLE MODEL TO DETECT MULTISPECTRAL CROP STRESS USING VIT	CHRIST DEEMED TO BE UNIVERSITY, KENGERI CAMPUS, BENGALURU	Dr. MANJUNATHA SWAMY C	Mr. ALDRIN P THOMAS Mr. MUHAMED NABHAN Mr. SANYU REJI KURIAKOSE
3)	14.	49S_BE_0036	AI-BASED LANDMARK DETECTION FOR CORRELATION OF UPPER PHARYNGEAL AIRWAY AND MANDIBULAR POSITION	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	Prof. RAMYA K Dr. PRACHI KAMBLE	Mr. GURUNATHA GOUDA Mr. ABHAY VIJAY GOUDAR Mr. MOHITH GNANASHEKARAN ANAND Mr. PRATHAM BHAT

BIOTECHNOLOGY

Sl. No.	Project No.	PROJECT SANCTION REFERENCE NO.	TITLE OF THE PROJECT	NAME OF THE COLLEGE	GUIDE(S)	STUDENT(S)
4)	32.	49S_MSC_0085	SYNTHESIS OF BIOCOMPATIBLE FOLIC ACID-CARBON DOT NANOCONJUGATES TARGETING BAX/BCL-2 PATHWAY IN BREAST CANCER CELLS	M.S. RAMAIAH COLLEGE OF ARTS SCIENCE AND COMMERCE, BENGALURU	Dr. MUKTHA H Dr. DILEEP KUMAR M.G	Mr. ABHISHEK VASUDEV BALAGOPAL Ms. ISHIKA JAIN Ms. J.MADHURI Ms. MADHUMITHA P

BIOTECHNOLOGY AND MICROBIOLOGY

5)	35.	49S_MSC_0259	ASSESSMENT OF VITAMIN D RECEPTOR (VDR) GENE EXPRESSION IN GDM PATIENTS FROM NORTH KARNATAKA	SCHOOL OF APPLIED SCIENCE AND TECHNOLOGY B.L.D.E. (DEEMED TO BE UNIVERSITY), VIJAYAPURA	Dr. G.S.KADAKOL	Ms. SUPRITAASKI Ms. RUCHITA KUNDARGI
----	-----	--------------	---	---	-----------------	---

BUSINESS ANALYTICS

6)	38	49S_MBA_0228	ECO-FLO DAVANGERE: A VACUUM-ASSISTED PIPELINE MODEL FOR EFFICIENT KITCHEN WASTE-TO-BIOGAS CONVERSION	G.M. UNIVERSITY, DAVANGERE	Dr. JAGADESWARI K Prof. DARSHAN B N	Ms. SAKSHI R AWATE Mr. PRAJWAL K S Ms. SANJANA NIKKAM
----	----	--------------	--	----------------------------	--	---

CHEMICAL ENGINEERING

7)	39.	49S_BE_5518	DEVELOPMENT OF FUNCTIONALISED RICE STRAW CELLULOSE FOR FLUORIDE REMOVAL IN POTABLE WATER USING RESPONSE SURFACE METHODOLOGY	R.V. COLLEGE OF ENGINEERING, BENGALURU	Dr. JAGADISH H PATIL Dr. RAVIRAJ KUSANUR	Mr. AJITH P ARUN Ms. NIRANJANA SREENIVASAN
----	-----	-------------	---	--	---	---

CIVIL ENGINEERING

8)	48	49S_BE_5426	ENHANCING SMART CITY PLANNING AT DEVANAHALLI THROUGH BIM-DRIVEN VR AND AR INTEGRATION	NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU	Dr. MAHESH KUMAR C L Prof. SHWETHA K G	Mr. NIKHIL KUMAR N Mr. NITHIN CHANDRA Mr. SINDHOOR LAKSHMAN BABU PAWAR
----	----	-------------	---	--	---	--

COMPUTER APPLICATIONS

9)	61	49S_MCA_0234	MULTILINGUAL NLP MODEL FOR AUTOMATED IDENTIFICATION OF CYBERBULLYING IN KANNADA-ENGLISH CODE-MIXED STUDENT CHATS	REVA UNIVERSITY, BENGALURU	Dr. LOKESH C K	Ms. SHWETHA P Ms. KIRTHANA R
----	----	--------------	--	----------------------------	----------------	---------------------------------

Sl. No.	Project. No.	PROJECT SANCTION REFERENCE NO.	TITLE OF THE PROJECT	NAME OF THE COLLEGE	GUIDE(S)	STUDENT(S)
10)	65	49S_MCA_0272	AI-BASED RISK PREDICTION SYSTEM FOR ANEMIA AND GESTATIONAL DIABETES IN RURAL PRIMARY HEALTHCARE IN KARNATAKA FOR PREGNANT WOMEN	St. JOSEPH'S UNIVERSITY, BENGALURU	Dr. SIVAKUMAR T Dr. B G PRASHANTHI	Ms. INARAT HUSSAIN Ms. D KATHERINE RIA Ms. SAJIDA BEGUM

COMPUTER SCIENCE

11)	68	49S_MSC_0235	STATE-OF-THE-ART ML-DRIVEN TOURISM FORECASTING AND INSIGHT SYSTEM WITH ACTIONABLE FOOTFALL & REVENUE MAXIMIZATION	St. JOSEPH'S UNIVERSITY, BENGALURU	Dr. B G PRASANTHI Dr. B NITHYA	Mr. DEEMANTH S Mr. B K KAUSHIK KUMAR Mr. S SYED ZAFFER Mr. VISHWAS DEVENDRA MADHAK
-----	----	--------------	---	------------------------------------	-----------------------------------	---

COMPUTER SCIENCE AND ENGINEERING

12)	71	49S_BE_0147	INTELLIGENT PHARMACEUTICAL INVENTORY AND SUPPLY MONITORING SYSTEM	B.G.S. INSTITUTE OF TECHNOLOGY, MANDYA	Mr. SUNAD KUMAR A N	Ms. KARUNASRI R Ms. MADHUSHREE B M Ms. PARVATHI B G
13)	91	49S_BE_3338	VOTEX: AI-ENHANCED NEXT GEN BLOCKCHAIN VOTING WITH MULTIMODAL AUTHENTICATION	JAIN INSTITUTE OF TECHNOLOGY, DAVANAGERE	Prof. PRIYANKA G V Prof. BABU SAB	Ms. SAVITA P N Ms. APOORVA MALLAPPA JAMPANNANAVAR Ms. SINCHANA G S Ms. SINDU M M

ELECTRICAL AND ELECTRONICS ENGINEERING

14)	105	49S_BE_2144	INVESTIGATION OF COLD PLASMA INTERACTION WITH POACEAE SEEDS: ANALYTICAL APPROACHES AND AGRICULTURAL IMPLEMENTATION FOR SUSTAINABLE DEVELOPMENT	G.S.S.S. INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, MYSURU	Dr. JAGADISHA N	Ms. AAKANKSHA R Ms. KALASHREE G BHANDARE Ms. AKSHATHA S M Ms. JEEVITHA A R
15)	106	49S_BE_2938	DEVELOPMENT OF FLEXIBLE POLYMER NANOCOMPOSITE FILMS FOR ELECTROMAGNETIC INTERFERENCE (EMI) SHIELDING APPLICATIONS	NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU	Dr. SHREERAM V KULKARNI Dr. PRAVEEN NAIK	Mr. VARUNA M Mr. YUVRAJ SINGH Ms. CHANDANA A

ELECTRONICS AND COMMUNICATION ENGINEERING

Sl. No.	Project. No.	PROJECT SANCTION REFERENCE NO.	TITLE OF THE PROJECT	NAME OF THE COLLEGE	GUIDE(S)	STUDENT(S)
16)	119	49S_BE_1861	CARBON SENSE: SMART VEHICLE EMISSION MONITORING SYSTEM	G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE	Mr. CHETAN B V	Ms. SHREYA U C Ms. SANJANA G N Ms. SANJANA G S Ms. VANISHREE C S

INFORMATION SCIENCE AND ENGINEERING

17)	151	49S_BE_0346	A TRANSPARENT BLOCKCHAIN MODEL FOR ELECTRICITY TRADING	S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA	Mrs. HAMSALATHA J.	Mr. SHREEKAR K Mr. PRAJWAL R Mr. PRANAV KAUSHIK Y R Mr. RAHUL BHARGAV R
-----	-----	-------------	--	---	--------------------	--

MARKETING AND FINANCE

18)	156	49S_MBA_0093	OPERATIONAL BARRIERS AND CLAIM-PROCESSING INEFFICIENCIES IN THE ACCEPTANCE OF AYUSHMAN BHARAT PM-JAY PATIENTS IN PRIVATE HOSPITAL OF BIDAR DISTRICT OF KARNATAKA STATE	GURU NANAK DEV ENGINEERING COLLEGE, BIDAR	Dr. JYOTI AINAPUR	Mr. ABHAY SAHUKAR Mr. ADITYA Ms. SHRADHA Mr. SHREENATH
-----	-----	--------------	--	---	-------------------	---

ROBOTICS AND AUTOMATION

19)	171.	49S_BE_2087	WORM LIKE LOCOMOTIVE AND FLEXIBLE MESH ROBOT	RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU	Dr. RADHAKRISHNA RK Dr. T.C MANJUNATH	Mr. AKSHAYE KANNA SV Mr. KUMARSWAMY KP Ms. GNANASHREE N V Ms. SPOORTHY JANADRI
-----	------	-------------	--	---	--	---

STRUCTURAL ENGINEERING

20)	173	49S_MTECH_0010	EXPERIMENTAL AND IMAGE PROCESSING FRAMEWORK FOR EVALUATING DEFORMATION IN ELASTOMERIC BEARINGS UNDER STATIC COMPRESSION	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	Mrs. M MEGHASHREE	Ms. SAI PRANATHI R
-----	-----	----------------	---	---	-------------------	--------------------

EXHIBITION PROJECTS

AERONAUTICAL ENGINEERING

Sl. No.	Project. No.	PROJECT SANCTION REFERENCE NO.	TITLE OF THE PROJECT	NAME OF THE COLLEGE	GUIDE(S)	STUDENT(S)
21)	174	49S_BE_4390	AUTONOMOUS PATH PLANNING FOR UAVS	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	Dr. RAMASESHAN SATAGOPAN	Ms. RISHIKA PRASAD K S Ms. GAYATRI MATTAPARTI Ms. SOUNDARYA M

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

22)	181	49S_BE_5808	MONO-WHEEL EV	A.M.C. ENGINEERING COLLEGE, BENGALURU	Prof. SUBHASHRI C	Mr. V PRUTHVIRAJ GOWDA Mr. KADARLA SHANMUKHA SIVA RAJA CHARI Mr. PRATHEEK B K Mr. PRATHEEK S Y
23)	185	49S_BE_5371	ALTOGETHER - FROM CODE-SWITCHING TO COMMUNITY MATCHING	B.N.M. INSTITUTE OF TECHNOLOGY, BENGALURU	Mr. MOHANESH B M	Mr. M HARSHITH Mr. MUSTKIM KHAN Mr. KAMAL KUMAR JANGIR
24)	199	49S_BE_0931	CLEVER LEARN: AI-POWERED CONVERSATIONAL PDF ASSISTANT	NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU	Dr. N V UMA REDDY	Ms. SALONI JANGID Ms. DEEKSHITHA D GANIGA Ms. HARSHITHA P SHETTY Mr. SUYASH GANESH PATIL

BIOCHEMISTRY

25)	207	49S_MSC_0183	PECTIN-ENHANCED RECYCLED TISSUE PAPER: A SUSTAINABLE GREEN TECHNOLOGY AS AN ALTERNATIVE TO VIRGIN PULP FOR THE MODERN PAPER INDUSTRY	GARDEN CITY UNIVERSITY, BENGALURU	Dr. PREETHI RAJESH	Ms. PRAKRUTHI V R Ms. DEEPIKA K A
-----	-----	--------------	--	-----------------------------------	--------------------	--------------------------------------

COMPUTER APPLICATIONS

26)	217	49S_MCA_0068	MULTI-DIALECT TRANSLATION APP: ENHANCING COMMUNICATION ACROSS KARNATAKA BY FACILITATING INTERACTION BETWEEN FARMERS, TOURISTS AND LOCALS	NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU	Dr. SATHISH P Mr. CHANNABASAVA P	Mr. PRADEEP C Mr. PRASANNA VIGNNESHWAR BHAT Ms. SUPRITHA D Mr. VIVEK Y
-----	-----	--------------	--	--	-------------------------------------	---

COMPUTER SCIENCE

Sl. No.	Project. No.	PROJECT SANCTION REFERENCE NO.	TITLE OF THE PROJECT	NAME OF THE COLLEGE	GUIDE(S)	STUDENT(S)
27)	222	49S_BE_1530	AUTOMATED BCS DRUG CATEGORIZATION USING MACHINE LEARNING: AN EXPLAINABLE AI APPROACH FOR BCS CLASSIFICATION SYSTEM	P.E.S. UNIVERSITY, BENGALURU	Dr. PRAJWALA T R Dr. SANIYA JAWED	Mr. HARI KIRAN K Mr. HARI SHANKAR Ms. KRUPA S Mr. RHUSHYA K C

COMPUTER SCIENCE AND DESIGN

28)	224	49S_BE_0958	A DEEP LEARNING FRAMEWORK FOR SIGN LANGUAGE RECOGNITION TO ASSIST SPEECH AND HEARING IMPAIRED INDIVIDUALS	B.G.S COLLEGE OF ENGINEERING & TECHNOLOGY, BENGALURU	Mrs. SANJITHA S LAAD	Ms. SHWETHA S NAYAK Ms. AYESHA Ms. HONALU SHEKAR M Ms. NISARGA V
-----	-----	-------------	---	--	----------------------	---

COMPUTER SCIENCE AND ENGINEERING

29)	231	49S_BE_4487	LASER MIC (USED FOR SPYING)	CAMBRIDGE INSTITUTE OF TECHNOLOGY NORTH CAMPUS, DEVANAHALLI, BENGALURU RURAL	Prof. MAHALAKSHMI J Prof. BHAGYA M	Mr. LOKESH M V Mr. KASHINATH Mr. PAWAN KUMAR Mr. PRASHANTH T S
30)	240	49S_BE_1907	WAYWATCH A CROWD SOURCED - AI-ENABLED SMART ROAD MONITORING AND MAINTENANCE SYSTEM	EAST POINT COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU	Dr. KESAVAN M V	Mr. MOHAMMED SHABAAZ Mr. MONISH K Mr. DEENATHAYALAN M Ms. KEERTI K BOOSARADDI
31)	250	49S_BE_4905	RIDEease - A MULTI MODAL RIDE BOOKING PLATFORM	GOPALAN COLLEGE OF ENGINEERING AND MANAGEMENT, BENGALURU	Prof. KARTHEEK G C R	Mr. ARAVIND DAKSHAN D Ms. LEKHANA C Ms. NAVYA D Mr. RICHARD S
32)	255	49S_BE_6816	COGNITRACE - AI MISSING PERSON IDENTIFICATION SYSTEM	K.L.S. GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELAGAVI	Prof. SHUBHADA S KULKARNI	Mr. SHRINATH R JENAKATTI Ms. DIPTA RAHUL KANUNGO Ms. AMRUTA
33)	263	49S_BE_0205	PERSONALIZED NEWS DIGEST	MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOOBBIDRI	Dr. SHIVANANDA V SEERI	Mr. PRATHAMESH GODSE Mr. PRAJWAL SHETTY S Ms. SNEHA NAYAK

Sl. No.	Project. No.	PROJECT SANCTION REFERENCE NO.	TITLE OF THE PROJECT	NAME OF THE COLLEGE	GUIDE(S)	STUDENT(S)
34)	272	49S_BE_1990	SMART RAILWAY MONITORING SYSTEM: REALTIME, TRACK CRACK DETECTION, FIRE SAFETY, AND BIO-ENTITY DETECTION USING AI AND IOT	RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU	Dr. SHASHIDHAR V	Mr. BHUVAN P NAYAK Ms. CHANDANA S Mr. SHARATH K R Mr. VISHWAS J K
35)	287	49S_BE_4688	SMART TOLL EYE (PAY PER KILOMETER)	V.S.M'S SOMASHEKHAR R. KOTHIWALE INSTITUTE OF TECHNOLOGY, NIPANI, BELAGAVI	Prof. SHRIKANT ATHANIKAR Prof. ANUP GANJI	Mr. YUVRAJ GHATEKARI Ms. SNEHA JADHAV Ms. SNEHAL HANABAR Ms. SHRUTIKA SHINDE

COMPUTER SCIENCE AND ENGINEERING (AI & ML)

36)	291	49S_BE_6548	SYSTEM INTEGRATED GLOBAL MACHINE AUTOMATION OPERATING SYSTEM (SIGMA OS)	SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU	Mr. SHARATH CHANDRA N R	Mr. SAIDEV MAKANUR Mr. AKHILESH Mr. PAVAN S Mr. PARTHA A M
-----	-----	-------------	---	---	-------------------------	---

ELECTRICAL AND ELECTRONICS ENGINEERING

37)	306	49S_BE_6420	DYNAMIC HYBRID THERMAL MANAGEMENT SYSTEM FOR LITHIUM - ION BATTERY	NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU	Ms. SMITHA B	Mr. DHEERAJ.C Mr. VIVEK.G.N Ms. SALONI MARIA VAS Mr. SHREYAS DUBEY
38)	317	49S_BE_1055	PLC BASED CONTROL PANEL FOR SCISSOR LIFT OPERATION	THE OXFORD COLLEGE OF ENGINEERING, BENGALURU	Dr. B DEVI VIGNNESHWARI	Ms. HARSHITHA B Ms. POOVAMMA A C Mr. GAGAN GAJ D Mr. PRASHANT
39)	318	49S_BE_1657	AUTOMATIC PORTABLE WASHROOM	THE OXFORD COLLEGE OF ENGINEERING, BENGALURU	Dr. B DEVI VIGNNESHWARI	Ms. GAYATHRI S Ms. POOJA Ms. DEEKSHA Ms. NANDITHA D N

ELECTRONICS AND COMMUNICATION ENGINEERING

40)	330	49S_BE_3931	DISTRIBUTED RAIL SIGNALING AND TRAFFIC CONTROL SYSTEM	R.L. JALAPPA INSTITUTE OF TECHNOLOGY, DODDABALLAPURA, BENGALURU RURAL	Ms. LAVANAYA VAISHNAVI D A Dr. ANIL KUMAR C	Mr. K. M. YADUKRISHNAN Mr. NITHIN KUMAR S
-----	-----	-------------	---	---	--	--

Sl. No.	Project. No.	PROJECT SANCTION REFERENCE NO.	TITLE OF THE PROJECT	NAME OF THE COLLEGE	GUIDE(S)	STUDENT(S)
41)	331	49S_BE_3072	IMPLEMENTATION OF A LIGHTWEIGHT CHACHA20 ENCRYPTION-DECRYPTION CORE ON SPARTAN-7 FPGA	RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU	Dr. SUNITHA R	Ms. PREETHU J M Ms. RAKSHA M Mr. ROHITH S Ms. VAISHNAVI H M
42)	347	49S_BE_3498	HEAR FUSION	SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI	Mrs. PAVITHRA POORNIMA S Mr. RAGHUNATHA	Ms. POORNITHA Ms. ANANYA ACHARYA Ms. DEEPTHI Ms. JATHAN SHRADDHA VASANTHA
43)	352	49S_BE_1077	REAL-TIME IOT-BASED MONITORING AND AI-DRIVEN INSIGHTS FOR BEE COLONY MANAGEMENT	St. JOSEPH ENGINEERING COLLEGE, MANGALURU	Ms. FLORENCE NISHMITHA	Mr. JOSHUA QUINTHINO ALBUQUERQUE Mr. ADITHYA G SHENOY Mr. MUHAMMAD RABEEZ Ms. LISHA D S
44)	353	49S_BE_2202	DEVELOPMENT OF A WEARABLE PROGRESS TRACKING DEVICE IN FINGER REHABILITATION FOR STROKE PATIENTS WITH ANDROID APP	THE OXFORD COLLEGE OF ENGINEERING, BENGALURU	Dr. PREETA SHARAN Ms. TINA ELIZABETH THOMAS	Mr. SUDEEP U KADAM Mr. PRAMODH H S Mr. RAKESH KHADDANAVAR Mr. SANJAY J

INFORMATION SCIENCE AND ENGINEERING

45)	383	49S_BE_4243	JNANETRA: AN EDGE-AI-DRIVEN SMARTPHONE FRAMEWORK FOR ASSISTIVE NAVIGATION FOR THE VISUALLY IMPAIRED.	SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU	Prof. VANI B V	Mr. HRUTHIK M Mr. M M PRATEEK Ms. AISHWARYA S Ms. DEEPIKA S
-----	-----	-------------	--	--	----------------	--

LIFE SCIENCES

46)	387	49S_MSC_0136	PORTABLE ANATOMY LEARNING AND PROTOTYPING WORKBENCH FOR ENHANCED SKILL TRAINING IN MEDICAL AND ALLIED HEALTH EDUCATION.	GARDEN CITY UNIVERSITY, BENGALURU	Ms. N. SANDHYA	Ms. MOUNASHREE M Mr. ALLWIN BARNABAS D Ms. SHWETHA JAI J
-----	-----	--------------	---	-----------------------------------	----------------	--

MANAGEMENT STUDIES

Sl. No.	Project. No.	PROJECT SANCTION REFERENCE NO.	TITLE OF THE PROJECT	NAME OF THE COLLEGE	GUIDE(S)	STUDENT(S)
47)	388	49S_MBA_0117	BIO-KITCHEN INNOVATIONS: DESIGN AND FABRICATION OF BAMBOO KITCHEN UTILITY PRODUCTS FOR SUSTAINABLE HOUSEHOLDS	NAGARJUNA COLLEGE OF MANAGEMENT STUDIES, CHIKKABALLAPURA	Mr. RAKSHITH GOWDA	Ms. SNEHA.G Mr. PUSALA CHAKRADHAR Ms. LAYA SHREEN

MECHANICAL ENGINEERING

48)	402	49S_BE_6654	DEVELOPMENT OF ROAD SURFACE MARKING ROBOT	M.S. RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU	Mr. PRAVEEN KITTALI Dr. PRITHAM BHAT	Mr. AHAM SINHA Mr. GUNNAIAH D Mr. JANARDHAN R Mr. MYTHREYAN S A
49)	404	49S_BE_0771	DESIGN AND DEVELOPMENT OF A COOLING SYSTEM FOR TWO WHEELER SEAT PARKED UNDER SUN	S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAVI	Dr. RAJENDRA M GALAGALI Prof. ASHOK M. HULAGABALI	Mr. SHASHANK GUMGOL Mr. SHARAT PADMANNAVAR Ms. SHEETAL GONDGHALI Ms. ULFATUNNISIA MACHEKAR

MEDICAL ELECTRONICS

50)	412	49S_BE_4005	NEUROCARE: A PILOT STUDY ON CUSTOMIZED SOLE THERAPEUTIC DEVICE FOR PERIPHERAL NEUROPATHY WITH VIBRATION ACUPRESSURE, PHOTOBIMODULATION AND OXYGEN ENRICHMENT	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	Dr. N.SRIRAAM Dr. S.HEMA PRIYADARSHINI	Mr. SHARAN.R Ms. PAVITHRA.M Ms. MYTHRI J Ms. SANGEETHA.H
-----	-----	-------------	--	---	---	---

ROBOTICS AND MECHATRONICS

51)	425	49S_BE_6375	DESIGN AND DEVELOPMENT OF MULTI-LINGUAL AI-BASED EDUCATIONAL ROBOT FOR SOCIAL AND EMOTIONAL SKILL DEVELOPMENT IN PRESCHOOL AND PRIMARY CHILDREN ACROSS RURAL AND URBAN SETTINGS	CHRIST DEEMED TO BE UNIVERSITY, KENGERI CAMPUS, BENGALURU	Dr. AMRUTA ROUT	Mr. ALEN GEORGE Mr. CRISTIANO LENIN Mr. JEYAKRISHNA V
-----	-----	-------------	---	---	-----------------	---

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Indian Institute of Science Campus, Bengaluru - 560012

STUDENT PROJECT PROGRAMME

**AWARDEES OF BEST PERFORMING COLLEGE OF THE
YEAR AWARD**

SERIES of SPP	COLLEGE NAME
49 th SERIES: 2025-26	NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU
48 th SERIES: 2024-25	REVA UNIVERSITY, BENGALURU
47 th SERIES: 2023-24	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
46 th SERIES: 2022-23	R.V. COLLEGE OF ENGINEERING, BENGALURU
45 th SERIES: 2021-22	SRI SAIRAM COLLEGE OF ENGINEERING, BENGALURU
44 th SERIES: 2020-21	B.L.D.E.A'S VACHANA PITAMAH DR. P. G. HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA
43 rd SERIES: 2019-20	MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRE
42 nd SERIES: 2018-19	K.L.S. GOGTE INSTITUTE OF TECHNOLOGY, BELAGAAVI
41 st SERIES: 2017-18	K.L.E. COLLEGE OF ENGINEERING AND TECHNOLOGY, CHIKKODI
40 th SERIES: 2016-17	ST. JOSEPH ENGINEERING COLLEGE, VAMANJOOR, MANGALURU
39 th SERIES: 2015-16	VSM INSTITUTE OF TECHNOLOGY, NIPANI, BELAGAVI
38 th SERIES: 2014-15	NMAM INSTITUTE OF TECHNOLOGY, NITTE, KARKALA
37 th SERIES: 2013-14	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
36 th SERIES: 2012-13	B. V. BHOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBBALLI
35 th SERIES: 2011-12	SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU
34 th SERIES: 2010-11	VIDYA VARDHAKA COLLEGE OF ENGINEERING, MYSURU
33 rd SERIES: 2009-10	PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET, BALLARI
32 nd SERIES: 2008-09	NMAM INSTITUTE OF TECHNOLOGY, NITTE
31 st SERIES: 2007-08	P.A. COLLEGE OF ENGINEERING, MANGALURU
30 th SERIES: 2006-07	NMAM INSTITUTE OF TECHNOLOGY, NITTE
29 th SERIES: 2005-06	BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
28 th SERIES: 2004-05	SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING, MYSURU
27 th SERIES: 2003-04	NMAM INSTITUTE OF TECHNOLOGY, NITTE
26 th SERIES: 2002-03	BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
25 th SERIES: 2001-02	B.V.B. COLLEGE OF ENGINEERING, HUBBALLI

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Indian Institute of Science Campus, Bengaluru - 560012

CHRONOLOGY OF SPP SEMINAR AND EXHIBITION

SPP Series	College and Place	Year	No. of Projects Sanctioned	No. of S/E Projects
1 st	Karnataka State Council for Science and Technology, Bengaluru	1977-78	54	30
2 nd	Malnad College of Engineering, Hassan	1978-79	106	37
3 rd	Sri Jayachamarajendra College of Engineering & NIE., Mysuru	1979-80	109	42
4 th	Karnataka Regional Engineering College, Surathkal	1980-81	162	40
5 th	HKES Pujya Doddappa Appa College of Engineering, Kalaburagi	1981-82	98	32
6 th	BVB College of Engineering, Hubballi	1982-83	115	35
7 th	Bapuji Institute of Engineering & Technology, Davanagere	1983-84	129	28
8 th	KLES College of Engineering & Technology, Belagaavi	1984-85	132	38
9 th	PES College of Engineering, Mandya	1985-86	109	56
10 th	Rashtriya Vidyalaya College of Engineering, Bengaluru	1986-87	142	52
11 th	Siddaganga Institute of Technology, Tumakuru	1987-88	147	36
12 th	Sri Jayachamarajendra College of Engineering, Mysuru	1988-89	109	33
13 th	Jawaharlal Nehru National College of Engineering, Shivamogga	1989-90	112	38
14 th	Sri Dharmasthala Manjunatheshwara College of Engineering, Dharwad	1990-91	130	46
15 th	KLES College of Engineering & Technology, Belagaavi	1991-92	189	54
16 th	Kalpatharu Institute of Technology, Tiptur	1992-93	143	72
17 th	Ghousia College of Engineering, Ramanagara	1993-94	193	80
18 th	Sri Siddartha Institute of Technology, Tumakuru	1994-95	147	63
19 th	National Institute of Engineering, Mysuru	1995-96	209	79
20 th	Sir M. Visvesvaraya Institute of Technology, Bengaluru	1996-97	193	70
21 st	Manipal Institute of Technology, Manipal	1997-98	253	125
22 nd	B.M. Srinivasaiah College of Engineering, Bengaluru	1998-99	223	87
23 rd	Kurunje Venkataramana Gowda College of Engineering, Sullia	1999-2000	201	104
24 th	HKES' SLN College of Engineering, Raichur	2000-01	194	112
25 th	Siddaganga Institute of Technology, Tumakuru	2001-02	145	82
26 th	Vijayanagar Engineering College, Ballari	2002-03	144	69

27 th	Gogte Institute of Technology, Belagaavi	2003-04	205	126
28 th	Basaveshwar College of Engineering, Bagalkot	2004-05	231	121
29 th	Poojya Doddappa Appa College of Engineering, Kalaburagi	2005-06	275	132
30 th	KLE Society's College of Engineering and Technology, Belagaavi	2006-07	281	147
31 st	Adichunchanagiri Institute of Technology, Chikmagalur	2007-08	289	150
32 nd	National Institute of Technology Karnataka, Surathkal, Mangaluru	2008-09	256	146
33 rd	Shridevi Institute of Engineering and Technology, Tumakuru	2009-10	291	152
34 th	PES Institute of Technology and Management, Shivamogga	2010-11	294	166
35 th	Shree Dharmasthala Manjunateshwara Institute of Technology, Ujire	2011-12	307	176
36 th	Angadi Institute of Technology and Management, Belagaavi	2012-13	409	207
37 th	B.V. Bhoomaraddi College of Engineering and Technology, Hubballi	2013-14	420	255
38 th	Sahyadri College of Engineering and Management, Mangaluru	2014-15	509	253
39 th	BLDEA's V.P. Dr. P.G. Halakatti College of Engineering and Technology, Vijayapura	2015-16	636	287
40 th	NMAM Institute of Technology, Nitte, Karkala, Udupi District	2016-17	627	332
41 st	Bapuji Institute of Engineering and Technology, Davangere	2017-18	685	404
42 nd	KLE Dr. M. S. Sheshgiri College of Engineering and Technology, Belagaavi	2018-19	798	415
43 rd	Karnataka State Council for Science and Technology (Online)	2019-20	999	931
44 th	Karnataka State Council for Science and Technology (Online)	2020-21	1190	1129
45 th	Visvesvaraya Technological University (VTU), Belagavi	2021-22	1230	332
46 th	Alva's Institute of Engineering and Technology, Moodubidire	2022-23	1494	443
47 th	Sharnbasva University, Kalaburagi	2023-24	1530	354
48 th	Jawaharlal Nehru New College of Engineering (JNNCE), Shivamogga	2024-25	1,714	440
49 th	Adichunchanagiri University - BGS Institute of Technology, Mandya	2025-26	1,435	427
	Total Projects		19,993	9,065

* ~ * ~ *



STUDENT PROJECT PROGRAMME

49th SERIES

PROJECT REPORT & COMPENDIUM



Karnataka State Council
for Science and Technology (KSCST)
Indian Institute of Science Campus
Bengaluru - 560012, Karnataka, India



080-23341652, 23348848, 23348849



office.kscst@iisc.ac.in, spp@kscst.org.in



<https://kscst.karnataka.gov.in> <https://www.kscst.org.in>

FOLLOW US



/kscst.1975



/kscstblr



/@kscststudio1975



/kscst-karnataka1975