

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

45th series of Student Project Programme (SPP): 2021-22

**State Level Seminar and Exhibition on 12th and 13th August 2022 at
Visvesvaraya Technological University (VTU), Belagavi**

Date : 12th August 2022

Time: 10:30 AM

Venue : Dr. A.P.J. Abdul Kalam Auditorium, VTU, Belagavi

INAUGURAL FUNCTION

10:30 AM - 12 Noon	:	Inaugural Function
12 Noon– 01:00 PM	:	Students Project Exhibition
01:00 PM – 02:00 PM	:	Lunch
02:00 PM – 06:00 PM	:	Students Seminar and Projects Exhibition
06.30 PM to 8.00 PM	:	Cultural Programme

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

45th series of Student Project Programme (SPP): 2021-22

**State Level Seminar and Exhibition on 12th and 13th August 2022 at
Visvesvaraya Technological University (VTU), Belagavi**

SEMINAR PROJECTS

Friday, 12th August 2022

Session 1 :

3 Awards

Venue : BLOCK 2, GROUND FLOOR, ROOM NO. PGNB-007

Chairman : Dr. K. VENKATESWARLU

SENIOR PRINCIPAL SCIENTIST, NATIONAL AEROSPACE LABORATORIES, BENGALURU

MECHANICAL ENGINEERING (13)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
106.	45S_BE_1684	A NOVEL PLASTIC WASTE MANAGEMENT SYSTEM TO CONTROL AIR POLLUTION • A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, MANGALURU
107.	45S_BE_2686	DESIGN AND DEVELOPMENT OF AN IOT BASED MOBILITY REHABILITATION DEVICE INTEGRATED WITH GAIT PATTERN RECORDING DEVICE FOR ELDERLY AND PHYSICALLY CHALLENGED. • J.S.S. ACADEMY OF TECHNICAL EDUCATION, BENGALURU
108.	45S_BE_2989	DESIGN AND ANALYSIS OF HORIZONTAL CRYSTALLIZER FOR AGRO-CHEMICAL INDUSTRIES • JAIN COLLEGE OF ENGINEERING AND RESEARCH, BELAGAAVI
109.	45S_BE_2600	AUTOMATION OF ARECANUT BOILING AND DRYING PROCESSES USING EMBEDDED SYSTEM • JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA
112.	45S_BE_1191	EFFORTLESS LIFTER AND MOVER INFRIM PATIENTS • K.L.E. Dr. M. S. SHESHGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY, BELAGAAVI
113.	45S_BE_3339	WORKSHOP SAFETY AUTOMATION SYSTEM FOR LATHE MACHINE • K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI
114.	45S_BE_0454	SOLAR POWERED AUTOMATIC IOT BASED GARBAGE COMPACTOR • K.L.E'S K.L.E. COLLEGE OF ENGINEERING AND TECHNOLOGY, CHIKKODI
115.	45S_BE_0153	MODIFIED DESALINATION SYSTEM WITH WATER COOLED CONDENSER OPERATED BY THE SOLAR PV PANEL • K.L.S. VISHWANATHRAO DESHPANDE INSTITUTE OF TECHNOLOGY, HALIYAL, UTTARA KANNADA
116.	45S_BE_0987	INVESTIGATION ON BALLISTIC MECHANICAL CHARACTERISTICS OF RAMIE-HEMP-KEVLAR BASED VINYL ESTER HYBRID COMPOSITES • MALNAD COLLEGE OF ENGINEERING, HASSAN
117.	45S_BE_1834	CONVERTING SCRAP VEHICLE TO AN LOW-COST ECO FRIENDLY 2-WHEELER USING UNIVERSAL CONVERSION KIT • MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI

118.	45S_BE_4223	CONVECTIVE HEAT TRANSFER ANALYSIS AND DEVELOPMENT OF COOLING SYSTEM FOR FUEL CELLS • N.M.A.M. INSTITUTE OF TECHNOLOGY, NITTE
119.	45S_BE_3832	DESIGN AND FABRICATION ON FIN TUBE HEAT EXCHANGER • NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU
120.	45S_BE_3636	DEVELOPMENT OF A SMART AIR FILTRATION SYSTEM TO CONTROL COVID-19 TRANSMISSION IN HOME ENVIRONMENT • NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU

MECHANICAL ENGINEERING – BIOFUEL PROJECTS (4)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
110.	45S_BE_2702	TO STUDY CHARACTERIZATION AND PERFORMANCE ANALYSIS OF DIFFERENT USED COOKING OIL (UCO) WITH SOLVENT BLENDS AS FUEL SOURCE IN IC ENGINES. • JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA
111.	45S_BE_3268	THERMAL ANALYSIS OF WASTE COOKING OIL EXTRACTED FROM DIFFERENT EDIBLE OIL SEEDS • JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA
134.	45S_BE_2875	PERFORMANCE AND EMISSION CHARACTERISTICS OF AMOORA OIL BLEND WITH DIESEL IN CI ENGINES • VEMANA INSTITUTE OF TECHNOLOGY, BENGALURU
135.	45S_BE_2902	SYNTHESIS AND ANALYSIS OF EPOXIDIZED JATROPHA OIL BIOLUBRICANT • VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU

Session 2 :

4 Awards

Venue : BLOCK 2, FIRST FLOOR, ROOM NO. PGNB 111

Chairman : Dr. PANBARASU

PRINCIPAL TECHNICAL OFFICER, NATIONAL AEROSPACE LABORATORIES, BENGALURU

AERONAUTICAL ENGINEERING (2)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
1.	45S_BE_3481	DESIGN AND FABRICATION OF MORPHING ARM DRONE FOR AGRICULTURE MAPPING USING GPS • KARAVALI INSTITUTE OF TECHNOLOGY, MANGALURU
2.	45S_BE_2137	ROBOTIC ARM INSTALLED FRUIT PLUCKING UAV- BASED ON AI • SRINIVAS INSTITUTE OF TECHNOLOGY, MANGALURU

AEROSPACE ENGINEERING (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
3.	45S_MTech_024	QUADROTOR TRAJECTORY TRACKING USING NONLINEAR MODEL PREDICTIVE CONTROLLER WITH OBSTACLE AVOIDANCE • MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL

MECHANICAL ENGINEERING (7)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
121.	45S_BE_3978	DESIGN AND DEVELOPMENT OF HYDROGEN BASED DUAL FUEL SI ENGINE • RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU
122.	45S_BE_4043	DEVELOPMENT OF AN EFFECTIVE BATTERY THERMAL MANAGEMENT SYSTEM USING EVAPORATIVE COOLING TECHNIQUE • RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU
124.	45S_BE_2254	WALL CLIMBING ROBOT (CAR) • S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAAVI
126.	45S_BE_0119	CONVERSION OF TIDAL ENERGY TO POWER GENERATOR • SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU
129.	45S_BE_3398	STUDY OF MECHANICAL PROPERTIES, FATIGUE AND CORROSION PROPERTIES OF NI-TI SUPER-ELASTIC ALLOY. • SMT. KAMALA AND SRI VENKAPPA M. AGADI COLLEGE OF ENGINEERING AND TECHNOLOGY, GADAG
130.	45S_BE_3660	TRIBOLOGICAL BEHAVIOUR OF THE AL7075-ALN METAL MATRIX COMPOSITES • SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU
133.	45S_BE_0914	AUTOMATED FIRE FIGHTING DRONE FOR WILD LIFE FIRE DETECTION AND EXTINGUISHING • V.S.M'S SOMASHEKHAR R. KOTHIWALE INSTITUTE OF TECHNOLOGY, NIPPANI, BELAGAAVI

MECHANICAL ENGINEERING – BIOFUEL PROJECTS (6)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
123.	45S_BE_0336	SEQUENTIAL OPTIMIZATION OF BIODIESEL-PRODUCER GAS DUAL FUEL ENGINE OUTPUT PARAMETERS USING ARTIFICIAL NEURAL NETWORK • S.D.M. COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD
125.	45S_BE_2662	CONVERSION OF PLASTIC WASTE INTO FUEL • S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAAVI
127.	45S_BE_0098	INFLUENCE OF NANO ADDITIVE ON PERFORMANCE AND EMISSION CHARACTERISTICS OF A DIESEL ENGINE RUNNING ON NEAT GARCINIA INDICA OIL BIODIESEL • SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU
128.	45S_BE_1602	DEVELOPMENT OF HETEROGENEOUS PHOTOCATALYTIC METHOD FOR BIODIESEL PRODUCTION • SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU
131.	45S_BE_3582	EXTRACTION OF OIL& PRODUCTION OF BIODIESEL FROM HEMP SEED AS A FEEDSTOCK AND ANALYSE THE PERFORMANCE, EMISSION& COMBUSTION CHARACTERISTICS RUNNING ON CI ENGINE AT DIFFERENT INJECTION TIMINGS. • St. JOSEPH ENGINEERING COLLEGE, MANGALURU
132.	45S_BE_4609	DESIGN AND FABRICATION OF BIOGAS SCRUBBING UNIT FOR NIE BOYS HOSTEL • THE NATIONAL INSTITUTE OF ENGINEERING, MYSURU

MANUFACTURING SCIENCE AND ENGINEERING (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
100.	45S_MTech_114	EXPLORING THE OPTICAL CHARACTERIZATION OF CARBON NANOTUBES / REDUCED GRAPHENE OXIDE NANOPARTICLES DOPED WITH POLY VINYL ALCOHOL FOR OPTOELECTRONIC DEVICES AND PHOTONIC APPLICATIONS <ul style="list-style-type: none"> RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

PRODUCT DESIGN AND MANUFACTURING (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
138.	45S_MTech_030	DESIGN AND DEVELOPMENT OF POLYMER BASED CONDUCTIVE BI-POLAR PLATES FOR ELECTROCHEMICAL ENERGY STORAGE DEVICE <ul style="list-style-type: none"> JYOTHY INSTITUTE OF TECHNOLOGY, BENGALURU

Session 3 :

3 Awards

Venue : BLOCK 2, FRIST FLOOR, ROOM NO. PGNB 110

Chairman : Dr. RAVINDRANATH H. ALADAKATTI

SENIOR SCIENTIFIC OFFICER, CENTRAL ANIMAL FACILITY,
INDIAN INSTITUTE OF SCIENCE, BENGALURU

BIOTECHNOLOGY (8)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
4.	45S_BE_4592	DESIGN AND DEVELOPMENT OF CHITOSAN - COLLAGEN SCAFFOLD FROM BIO-WASTE FOR LIVER CANCER CELL LINE (Hep G2) ANALYSIS <ul style="list-style-type: none"> B.M.S. COLLEGE OF ENGINEERING, BULL TEMPLE ROAD, BENGALURU
5.	45S_BE_1534	CLONING AND EXPRESSION OF LIPASE AS A BIOCATALYST FOR BIODIESEL PRODUCTION <ul style="list-style-type: none"> B.V.V. SANGHA'S BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT
6.	45S_BE_0982	STUDYING THE CRITICAL ASSOCIATION OF OMICRON SPIKE PROTEIN WITH HUMAN ACE2 PROTEIN: APPROACH TO DEVELOP QUINOLINE DERIVATIVES AND NOVEL PEPTIDES AS ANTIMICROBIAL AGENT <ul style="list-style-type: none"> DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
7.	45S_BE_1050	BACTERIAL EXTRACELLULAR POLYMERIC SUBSTANCE MEDIATED TREATMENT OF RESIDUAL DYES <ul style="list-style-type: none"> N.M.A.M. INSTITUTE OF TECHNOLOGY, NITTE
8.	45S_MSc_115	SYNTHESIS OF DOCOSAHEXONIC ACID (DHA)-AN IMPORTANT OMEGA-3 PUFA IN SCHIZOCHYTRIUM LIMACIUM: BY UTILIZING CRUDE GLYCEROL FROM BIODISEL PROCESS <ul style="list-style-type: none"> RAMAIAH COLLEGE OF ARTS SCIENCE AND COMMERCE, BENGALURU
9.	45S_BE_3986	PROTEOMIC ANALYSIS OF DRUG RESISTANT HIGH BIOFILM FORMING CLINICAL ISOLATES OF CANDIDA TROPICALIS ON TREATMENT WITH AQUEOUS GARLIC EXTRACT <ul style="list-style-type: none"> RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU
10.	45S_BE_1335	PROCESSING AND NUTRITIONAL EVALUATION OF PROTEINACEOUS PRODUCT FROM UNDERUTILIZED LEGUME AND MILLETS <ul style="list-style-type: none"> Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU
11.	45S_BE_4546	BIOREMEDIATION OF CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS(PAHS) RICH EFFLUENT FROM PETROCHEMICAL INDUSTRIES <ul style="list-style-type: none"> THE OXFORD COLLEGE OF ENGINEERING, BENGALURU

CHEMICAL ENGINEERING (3)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
12.	45S_BE_4154	ADSORPTION OF CHROMIUM(VI) FROM WASTEWATER USING CHITOSAN GRAFTED WITH GRAPHENE OXIDE • DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
13.	45S_BE_4671	ADSORPTION STUDIES ON IMMOBILIZED CHITOSAN AND POLYANILINE COATED CHITOSAN AS BIOSORBENT MATERIAL FOR REMOVAL OF CHROMIUM FROM EFFLUENTS • DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
14.	45S_BE_1588	PREPARATION AND CHARACTERIZATION OF ACTIVATED CARBON FROM CORNCOB AND COCONUT SHELL FOR CATION ADSORPTION • S.D.M. COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD

CHEMISTRY (3)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
15.	45S_MSc_122	CUO-GRAPHENE / CU-GO NANOCOMPOSITES AS A POTENTIAL CATALYST FOR FUEL CELL APPLICATIONS • RANI CHANNAMMA UNIVERSITY, BELAGAVI
16.	45S_MSc_127	SYNTHESIS OF NOVEL N ₂ , O ₂ SCHIFF BASE ZINC (II) COMPLEXES AND THEIR EFFECT ON GERMINATION, SEEDLING GROWTH OF PLANTS • St. PHILOMENAS COLLEGE, MYSURU
17.	45S_MSc_045	ECO-FRIENDLY GREEN SYNTHESIS OF METAL OXIDE NANOCOMPOSITES FOR ELECTROCHEMICAL DETECTION OF HEAVY METALS IN WATER • UNIVERSITY COLLEGE OF SCIENCE, TUMKUR UNIVERSITY, TUMAKURU.

Session 4 :

3 Awards

Venue : BLOCK 3, CIVIL ENGG. DEPT. FIRST FLOOR, SEMINAR HALL

Chairman : DR. RAGHUVeer RAO

PRINCIPAL RESEARCH SCIENTIST, DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF SCIENCE, BENGALURU

CIVIL ENGINEERING (15)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
18.	45S_BE_1461	IDENTIFICATION OF BLACK SPOTS AND DESIGN OF TRAFFIC SIGNAL IN BHATKAL TOWN • ANJUMAN INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BHATKAL
19.	45S_BE_1668	STABILIZATION OF MUD BLOCKS • B.L.D.E.A'S V.P DR P.G.HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA
20.	45S_MTech_115	MECHANICALLY ACTIVATED POND ASH BASED GEO-POLYMER CONCRETE • B.M.S. COLLEGE OF ENGINEERING, BULL TEMPLE ROAD, BENGALURU
21.	45S_BE_1015	RECLAMATION AND REUSE OF GREYWATER BY CONSTRUCTION OF WETLANDS • B.V.V. SANGHA'S BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT
22.	45S_BE_1612	SUSTAINABLE WASTE DISPOSAL SYSTEM FOR A RURAL AREA • B.V.V. SANGHA'S BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT

23.	45S_BE_4390	STUDIES ON USE OF CRUMB RUBBER IN CONCRETE FOR ACOUSTICAL INSULATION PURPOSES • B.V.V. SANGHA'S BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT
24.	45S_BE_4387	DESIGN OF ECO-FRIENDLY, COST-EFFECTIVE WATER FILTER USING EASILY AVAILABLE LOCAL MATERIALS • BANGALORE INSTITUTE OF TECHNOLOGY, BENGALURU
25.	45S_BE_2123	HYDROPONIC (SOILLESS) FARMING: THE TECHNOLOGY TOWARDS SUSTAINABILITY • CAMBRIDGE INSTITUTE OF TECHNOLOGY, BENGALURU
26.	45S_BE_3370	DEFLUORIDATION OF GROUNDWATER BY MODIFIED MORINGA SEEDS • CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, TUMAKURU
27.	45S_BE_1472	EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF COARSE AGGREGATE BY EPS (Expanded Polystyrene) BEADS IN CONCRETE BLOCKS • DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
28.	45S_BE_1596	COMPOSITE TILES • G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE
29.	45S_BE_1580	STUDY ON FLEXURAL BEHAVIOUR OF DECK SLAB USING GFRP BARS • GURU NANAK DEV ENGINEERING COLLEGE, BIDAR
30.	45S_BE_4073	STUDY ON THE CERAMIC WASTE UTILIZATION IN THE CONCRETE • J.S.S. SCIENCE AND TECHNOLOGY UNIVERSITY, MYSURU
31.	45S_BE_1598	STABILIZATION OF DUMPYARD SOIL USING FLYASH • JAIN INSTITUTE OF TECHNOLOGY, DAVANAGERE
32.	45S_BE_4550	DEVELOPMENT OF COMPOSTING TECHNOLOGY USING LOCALLY GENERATED ORGANIC WASTE IN VIVEKANANDA RAMAKRISHNA ASHRAM, PANCHAVATI, TADAS • K.L.E. TECHNOLOGICAL UNIVERSITY, HUBBALLI

Session 5 :

3 Awards

Venue : BLOCK 3, CIVIL ENGG. DEPT. SECOND FLOOR, CLASS ROOM-2

Chairman : Dr. U.T. VIJAY

CHIEF SCIENTIFIC OFFICER,
KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY, BENGALURU

CIVIL ENGINEERING (12)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
33.	45S_BE_4092	SUSTAINABILITY OF TRADITIONAL RURAL MUD HOUSES IN KANAKAPURA VILLAGE: A STUDY RELATED TO THERMAL COMFORT • K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU
34.	45S_BE_4006	USE OF SYNCHRO SOFTWARE TO ASSES JOURNEY TIME AND INTERSECTION ALONG COURT ROAD IN KALABURAGI CITY • P.D.A. COLLEGE OF ENGINEERING, KALABURAGI
35.	45S_BE_1386	STRENGTH OF MICP INORGANIC SOFT CLAY AS A COMPOSITE SOIL FOR INFRASTRUCTURE APPLICATIONS • R.N.S. INSTITUTE OF TECHNOLOGY, BENGALURU
36.	45S_BE_4347	CONDITION ASSESSMENT AND MONITORING OF RC STRUCTURAL ELEMENTS SUBJECTED TO EARTHQUAKES AND HIGH TEMPERATURE DUE TO FIRE ADOPTING IOT WIRELESS SENSOR SYSTEMS • RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

37.	45S_BE_1157	SEISMIC ANALYSIS OF COMPOSITE RCC SHEAR WALL WITH OR WITHOUT SHEAR WALL, CONSIDERING SOIL STRUCTURE INTERACTION • S.D.M. COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD
38.	45S_BE_1385	DEWEEDING IN PONDS BY CHEMICAL TREATMENT: A CASE STUDY • S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA
39.	45S_BE_1864	GENERATION OF ELECTRICITY USING SOLID WASTE • SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU
40.	45S_BE_0015	TREATMENT OF SULLAGE WATER USING TAMARIND SEED POWDER AS COAGULANT USING COAGULANT PROCESS • SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI
41.	45S_BE_1308	A STUDY ON TREATMENT OF GREY WATER USING CEMENT KILN DUST AND CHEMICAL COAGULANTS • Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU
42.	45S_BE_4544	DEVELOPMENT OF SUSTAINABLE AGRO TECHNOLOGICAL INTERVENTION FOR CEMENTITIOUS COMPOSITES THROUGH CASHEW NUT SHELL ASH • St. JOSEPH ENGINEERING COLLEGE, MANGALURU
43.	45S_BE_0769	STABILIZED ADOBE BLOCKS USING CONSTRUCTION AND DEMOLITION WASTE AS A SUSTAINABLE SOLUTION • VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU
44.	45S_BE_3813	AN EXPERIMENTAL STUDY ON STABILIZATION TECHNIQUES AT WATER LOGGED AREAS OF PUTTUR, D.K DISTRICT. • VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR, DAKSHINA KANNADA

ENVIRONMENTAL ENGINEERING (3)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
89.	45S_MTech_097	DEGRADATION OF PHARMACEUTICAL AND PERSONAL CARE PRODUCTS USING ELECTRO-CHEMICAL AND PHOTO-CHEMICAL TECHNIQUE • B.M.S. COLLEGE OF ENGINEERING, BULL TEMPLE ROAD, BENGALURU
90.	45S_MTech_090	BIO-DEGRADATION OF PLASTIC USING GREATER WAX MOTH (GALLERIA MELLONELA) • J.S.S. SCIENCE AND TECHNOLOGY UNIVERSITY, MYSURU
91.	45S_MTech_063	SYNTHESIS AND CHARACTERIZATION OF TiO ₂ DOPED IRON-OXIDE NANOPARTICLES FOR THE TREATMENT OF ANIONS AND METHYLENE BLUE (MB) FROM THE EFFLUENT • K.L.E. Dr. M. S. SHESHGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY, BELAGAAVI

STRUCTURAL ENGINEERING (2)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
139.	45S_MTech_029	A STUDY ON REPAIR EFFECTIVENESS OF DAMAGED RC BEAMS WITH CIRCULAR OPENINGS USING CFRP SHEETS • BANGALORE INSTITUTE OF TECHNOLOGY, BENGALURU
140.	45S_MTech_108	STRUCTURAL HEALTH MONITORING OF RC STRUCTURAL ELEMENTS EXPOSED TO HIGH TEMPERATURE USING IOT AND RETROFITTING OF TEMPERATURE DAMAGED STRUCTURAL ELEMENTS ADOPTING SUSTAINABLE MATERIALS • RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

Session 6 :

3 Awards

Venue : BLOCK I, CS DEPT. GROUND FLOOR, ROOM NO: PGSB-007

Chairman : Dr. P. SIVA SUBBA RAO

SENIOR PRINCIPAL SCIENTIST, NATIONAL AEROSPACE LABORATORIES, BENGALURU

COMPUTER SCIENCE AND ENGINEERING (14)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
45.	45S_BE_4291	SIGN LANGUAGE-BASED EMAIL SYSTEM FOR DEAF AND MUTE <ul style="list-style-type: none">A.P.S. COLLEGE OF ENGINEERING, BENGALURU
46.	45S_BE_2378	DEEP LEARNING APPROACH FOR THE PREDICTION OF CARDIAC-ARREST <ul style="list-style-type: none">ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU
47.	45S_BE_3602	HEART DISEASE AFTER COVID-19 PREDICTION USING MACHINE LEARNING <ul style="list-style-type: none">AMRUTA INSTITUTE OF ENGINEERING AND MANAGEMENT SCIENCES, BIDADI
50.	45S_BE_0370	AUTOMATED PROCTORING SYSTEM TO DETECT ANOMALOUS BEHAVIOUR IN E-LEARNING DURING TIMES OF CRISIS <ul style="list-style-type: none">DON BOSCO INSTITUTE OF TECHNOLOGY, BENGALURU
51.	45S_BE_3093	MONITOR AND CONTROL SENSORS IN THE GREENHOUSE USING LORA TECHNOLOGY <ul style="list-style-type: none">G.S.S.S. INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, MYSURU
52.	45S_BE_0430	CARE IN A CUP- A SOLUTION TO TEND TO THE MENSTRUAL HEALTH NEEDS OF DIFFERENTLY ABLED WOMEN. <ul style="list-style-type: none">GLOBAL ACADEMY OF TECHNOLOGY, BENGALURU
53.	45S_BE_1480	ROAD TYPE DETECTION <ul style="list-style-type: none">JAIN COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBBALLI
54.	45S_BE_1762	OIL SPILL DETECTION FROM SATELLITE IMAGES <ul style="list-style-type: none">K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI
57.	45S_BE_0546	A KANNADA HANDWRITTEN CHARACTER RECOGNITION AND SPEECH CONVERSION SYSTEM TO PROMOE DIGITAL LEARNING OF KANNADA IN RURAL SCHOOLS <ul style="list-style-type: none">NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU
61.	45S_BE_2502	DETECTION OF ALZHEIMER'S AND IT'S STAGES USING CNN ALGORITHM <ul style="list-style-type: none">RAJIV GANDHI INSTITUTE OF TECHNOLOGY, BENGALURU
62.	45S_BE_2679	MORSE CODE BASED SECURED AUTHENTICATION SYSTEM THOUGH ARTIFICIAL INTELLIGENCE <ul style="list-style-type: none">RAJIV GANDHI INSTITUTE OF TECHNOLOGY, BENGALURU
63.	45S_BE_4809	RETURN PATH NAVIGATION <ul style="list-style-type: none">REVA UNIVERSITY, BENGALURU
69.	45S_BE_1366	AGROWORMS: AN UNIFIED APP FOR STAKEHOLDERS OF AGRICULTURE <ul style="list-style-type: none">TONTADARYA COLLEGE OF ENGINEERING, GADAG
71.	45S_BE_1815	PREDICTION OF CARDIOVASCULAR DISEASE <ul style="list-style-type: none">VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU

Session 7 :

3 Awards

Venue : BLOCK I, CS DEPT. FRIST FLOOR, ROOM NO: PGSB-110

Chairman : Dr. R. P.S. CHAKRADHAR

PRINCIPAL SCIENTIST, NATIONAL AEROSPACE LABORATORIES, BENGALURU

COMPUTER SCIENCE AND ENGINEERING (13)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
48.	45S_BE_0407	GRAM VIKAS (VILLAGE INTERACTION MACHINE) <ul style="list-style-type: none">• ATRIA INSTITUTE OF TECHNOLOGY, BENGALURU
49.	45S_BE_3063	DEEP LEARNING ALGORITHM FOR ANALYSIS AND PREDICTION OF CARDIOVASCULAR DISEASE: A CASE STUDY OF CARDIOVASCULAR DISEASE AFTER COVID-19 <ul style="list-style-type: none">• BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANAGERE
55.	45S_MTech_041	EXPERIMENTAL EVALUATION OF SECURE FAULT-TOLERANT SENSOR NETWORK COMMUNICATION PERFORMANCE <ul style="list-style-type: none">• MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL
56.	45S_BE_2748	DISASTER RELIEF COMPENSATION COMPUTATIONAL FRAMEWORK <ul style="list-style-type: none">• NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU
58.	45S_BE_4595	CLOUD ASSISTED MULTISTAGE CLASSIFIER BASED DISEASE PREDICTION MODEL USING MACHINE LEARNING TECHNIQUE - REMOTE HEALTH CARE SYSTEM <ul style="list-style-type: none">• P.D.A. COLLEGE OF ENGINEERING, KALABURAGI
59.	45S_BE_4773	IOT BASED TOLL COLLECTION SYSTEM USING RFID <ul style="list-style-type: none">• P.D.A. COLLEGE OF ENGINEERING, KALABURAGI
60.	45S_BE_0706	DETECTION OF AIR POLLUTANTS <ul style="list-style-type: none">• RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
64.	45S_BE_0942	RICE SAFETY TRACEABILITY SYSTEM FOR PEOPLE'S HEALTH USING MACHINE LEARNING AND BIG DATA <ul style="list-style-type: none">• S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA
65.	45S_BE_4478	PEST DETECTION AND OBLITERATION BASED ROBOTIC SYSTEM <ul style="list-style-type: none">• SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
66.	45S_BE_4009	APPLICATION FOR BETTER UNDERSTANDING OF FLOW OF CODE <ul style="list-style-type: none">• SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI
67.	45S_BE_0778	EMPIRICAL ANALYSIS FOR CRIME PREDICTION AND FORCASTING USING MACHINE LEARNING AND DEEP LEARNING TECHNIQUES <ul style="list-style-type: none">• SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU
68.	45S_BE_3529	IOT BASED NIGHT PATROLLING ROBOT USING MULTI MODEL NEURAL NETWORK <ul style="list-style-type: none">• THE OXFORD COLLEGE OF ENGINEERING, BENGALURU
70.	45S_BE_2459	ALZHEIMER'S DISEASE PREDICTION USING GRAPH CONVOLUTION NETWORKS <ul style="list-style-type: none">• UNIVERSITY VISVESVARAYA COLLEGE OF ENGINEERING, BENGALURU

INFORMATION SCIENCE AND ENGINEERING (7)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
93.	45S_BE_2200	VIDEO TO TEXT SUMMERIZATION USING NEUTRAL NETWORKS • A.P.S. COLLEGE OF ENGINEERING, BENGALURU
94.	45S_BE_4635	AI BASED PROCTORING SYSTEM FOR ONLINE TESTS • B.G.S. INSTITUTE OF TECHNOLOGY, MANDYA
95.	45S_BE_3055	DESIGN AND DEVELOPMENT OF AGENT BASED CONTEXT AWARE SYSTEM IN EMERGENCY SITUATIONS. • B.V.V. SANGHA'S BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT
96.	45S_BE_3656	DEFENSE SYSTEM DATA ENCODING USING VISUAL CRYPTOGRAPHY • BANGALORE INSTITUTE OF TECHNOLOGY, BENGALURU
97.	45S_BE_1851	MALWARE DETECTION AND PREVENTION USING MACHINE LEARNING • G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE
98.	45S_BE_4313	FARMER FRIENDLY AGRICULTURAL SYSTEM USING TEXT-TO-KANNADA SPEECH. • MAHARAJA INSTITUTE OF TECHNOLOGY, MYSURU
99.	45S_BE_3126	APP FOR ENHANCED LOGISTICS AND EFFECTIVE MANAGEMENT OF E-WASTE • NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU

Session 8 :

2 Awards

Venue : BLOCK I, CS DEPT. FRIST FLOOR, ROOM NO: PGSB-107

Chairman : Dr. V.P.S. NAIDU

SENIOR PRINCIPAL SCIENTIST, NATIONAL AEROSPACE LABORATORIES, BENGALURU

ELECTRONICS AND COMMUNICATION ENGINEERING (12)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
76.	45S_BE_0549	DOMOTICS • B.L.D.E.A'S V.P DR P.G.HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA
77.	45S_BE_3815	IOT BASED REMOTE ELECTRONIC VOTING SYSTEM USING AADHAR AND DUAL BIOMETRIC AUTHENTICATION • Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BENGALURU
78.	45S_BE_0953	IMPLEMENTATION OF KANNADA TO BRAILLE TRANSLATOR • J.S.S. ACADEMY OF TECHNICAL EDUCATION, BENGALURU
79.	45S_BE_3499	ADVANCED SMART ENERGY METER • KARAVALI INSTITUTE OF TECHNOLOGY, MANGALURU
80.	45S_BE_1566	VISUAL CRYPTOGRAPHY FOR BIOMETRIC PRIVACY • MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI
81.	45S_BE_1646	LI-FI: IMPLEMENTATION AND ANALYSIS OF VISIBLE LIGHT COMMUNICATION SYSTEM • NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU
82.	45S_BE_4310	NON- CONVENTIONAL MATERIALS FOR ELECTROMAGNETIC NOISE SUPPRESSION • RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

83.	45S_BE_4553	IMPLEMENTATION OF DRIVERLESS CAR • REVA UNIVERSITY, BENGALURU
84.	45S_BE_0039	CRASH AVOIDANCE SYSTEM FOR DRONES • SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU
85.	45S_BE_0056	ADVANCED FOOTSTEP POWER GENERATION SYSTEM USING PIEZOELECTRIC SENSORS • SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU
86.	45S_BE_3952	DESIGN & SIMULATION OF 5G MULTIBAND ANTENNA WITH PHASE SHIFT OPERATION • SHARNBASVA UNIVERSITY, KALABURAGI
87.	45S_BE_2408	MULTI-PARAMETER WATER TESTING FOR AGRICULTURE • VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU

Session 9 :

2 Awards

Venue : BLOCK 3, FRIST FLOOR, E& C DEPT. LECTURER HALL-1

Chairman : Dr. U. J. SHENOY

CHIEF RESEARCH SCIENTIST, DEPARTMENT OF ELECTRICAL ENGINEERING,
INDIAN INSTITUTE OF SCIENCE, BENGALURU

ELECTRICAL AND ELECTRONICS ENGINEERING (3)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
72.	45S_BE_2904	SMART WASTE MANAGEMENT SYSTEM USING IOT • G.S.S.S. INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, MYSURU
73.	45S_BE_4327	DESIGN AND DEVELOPMENT OF LOW-COST SOLAR APPLIANCES USING AN ADVANCED CONTROLLER FOR AGRICULTURE APPLICATIONS • REVA UNIVERSITY, BENGALURU
74.	45S_BE_3095	USE OF SUPER CAPACITORS IN PERMANENT MAGNET SYNCHRONOUS MOTOR DRIVE FOR E-MOBILITY • THE OXFORD COLLEGE OF ENGINEERING, BENGALURU

ELECTRONICS AND INSTRUMENTATION ENGINEERING (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
88.	45S_BE_2879	IOT BASED SMART CRADLE SYSTEM FOR BABY MONITORING • G.S.S.S. INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, MYSURU

ELECTRONIC SCIENCE (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
75.	45S_MSc_043	DESIGN AND DEVELOPMENT OF A NOVEL HIGH ENERGY DENSITY AND HIGH-POWER NANO COMPOSITE BASED SUPER CAPACITOR FOR HIGH ENERGY STORAGE APPLICATIONS • BANGALORE UNIVERSITY, BENGALURU

MECHATRONICS (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
136.	45S_BE_1235	SMART LPG CYLINDER MANAGEMENT SYSTEM USING CLOUD COMPUTING • SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU

TELECOMMUNICATION ENGINEERING (2)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
141.	45S_BE_0455	SECURE REMOTE E-VOTING SYSTEM • DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
142.	45S_BE_0883	ELECTRIC VEHICLE CHARGING SYSTEM • K.S. INSTITUTE OF TECHNOLOGY, BENGALURU

PHYSICS (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
137.	45S_MSc_026	SYNTHESIS OF ACTIVATED CARBON FROM ARECA HUSK FOR INDUSTRIAL WASTE WATER TREATMENT • UNIVERSITY COLLEGE OF SCIENCE, TUMKUR UNIVERSITY, TUMAKURU.

Session 10 :

1 Award

Venue : BLOCK 2, FRIST FLOOR, ROOM NO. 109

Chairman : Shri. DAYANANDA G. N.

MANAGER, KARNATAKA STATE BIOENERGY DEVELOPMENT BOARD (KSBDDB),
GOVERNMENT OF KARNATAKA

HUMAN RESOURCE AND ENTREPRENEURSHIP (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
92.	45S_MBA_015	A STUDY ON RELEVANT, EFFECTIVE AND VALUABLE WASTE MANAGEMENT PRACTICES AND THE BENEFITS • NATIONAL SCHOOL OF BUSINESS, BENGALURU

MARKETING (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
101.	45S_MBA_021	ENABLING VILLAGE CLUSTERS DEVELOPMENT THROUGH TECHNOLOGY INTERVENTION • SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU

MASTER OF BUSINESS ADMINISTRATION (4)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
102.	45S_MBA_017	E-HEALTH CARE SUPPORTING SYSTEM IN ENGLISH AND KANNADA LANGUAGES • DON BOSCO INSTITUTE OF TECHNOLOGY, BENGALURU
103.	45S_MBA_029	INCREASING SOIL CORBON PERCENTAGE BY MICROBIAL SYNERGY • P.E.S. COLLEGE OF ENGINEERING, MANDYA
104.	45S_MBA_065	RECYCLING ARECA HUSK TO SUSTAINABLE AND ECO-FRIENDLY ARECA MATCHSTICKS • P.E.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA
105.	45S_MBA_019	PARADIGM SHIFT IN WORK CULTURE DUE TO COVID 19 - AN EMPIRICAL STUDY IN DAKSHINA KANNADA • VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR, DAKSHINA KANNADA

EXHIBITION PROJECTS

AERONAUTICAL ENGINEERING (3)

AUTOMOBILE ENGINEERING (1)

MECHANICAL ENGINEERING (39)

INDUSTRIAL ENGINEERING AND MANAGEMENT (1)

9 Awards

Venue : INDOOR STADIUM AND DEPARTMENT OF PHYSICAL EDUCATION,
VTU CAMPUS, BELAGAVI

Jury : **1. Dr. C. BADARINATH**

FORMER SCIENTIST - F AND GROUP DIRECTOR
COMBUSTION AT GAS TURBINE RESEARCH ESTABLISHMENT, DRDO

2. Shri. B. V. VENUGOPAL

FORMER TECHNICAL EXPERT,
CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE, BENGALURU

AERONAUTICAL ENGINEERING (3)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
143.	45S_BE_4055	DESIGN AND OPTIMIZATION OF TANDEM WING AIRCRAFT • DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
144.	45S_BE_4237	HELIUM-ASSISTED HYBRID DRONE FOR FLIGHT TIME ENHANCEMENT • DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
145.	45S_BE_2185	CONCEPTUAL BLADELESS WINDMILL • MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI

AUTOMOBILE ENGINEERING (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
146.	45S_BE_3574	DESIGN, FABRICATION AND PERFORMANCE EVALUATION of HYBRID MOTOR CYCLE • THE OXFORD COLLEGE OF ENGINEERING, BENGALURU

INDUSTRIAL ENGINEERING AND MANAGEMENT (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
261.	45S_BE_2733	DESIGN AND FABRICATION OF MUNICIPAL SOLID WASTE(MSW) TREATMENT MODEL FOR THE RECOVERY OF CLEAN ENERGY • J.S.S. ACADEMY OF TECHNICAL EDUCATION, BENGALURU

MECHANICAL ENGINEERING (37)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
283.	45S_BE_4039	DESIGN AND FABRICATION OF RECUMBENT CONVERTABLE WHEELCHAIR • A.M.C. ENGINEERING COLLEGE, BENGALURU

284.	45S_BE_4599	DESIGN AND FABRICATION OF HYDRAULIC COMPACT MANHOLE CLEANING MACHINE • A.M.C. ENGINEERING COLLEGE, BENGALURU
285.	45S_BE_2239	DESIGN AND FABRICATION OF SURVIVAL POD • A.T.M.E. COLLEGE OF ENGINEERING, MYSURU
286.	45S_BE_2174	DESIGN AND FABRICATION OF LOW COST RICE TRANSPLANTER MACHINE FOR USE IN AGRICULTURE • ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELAGAAVI
287.	45S_BE_2683	ECO-FRIENDLY CORRUGATED BAMBOO-COMPOSITE SHEETS FOR ROOFING APPLICATIONS • ATRIA INSTITUTE OF TECHNOLOGY, BENGALURU
288.	45S_BE_2639	SOLAR OPERATED UNMANNED LAKE CLEANING BOAT TO CLEAN DEVIKA NAGAR LAKE, ADYAR, MANGALORE • BEARYS INSTITUTE OF TECHNOLOGY, MANGALURU
289.	45S_BE_3732	DESIGN, ANALYSIS AND FABRICATION OF DUCTED FAN • DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
290.	45S_BE_2961	AUTOMATIC TYRE PRESSURE AND METAL DETECTION SYSTEM IN FOUR WHEELER • DAYANANDA SAGAR UNIVERSITY, BENGALURU
291.	45S_BE_0774	E-SCRAMBLER • G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE
292.	45S_BE_0781	CAMPUS MOBILITY FOR THE FUTURE: THE SMART ELECTRIC BICYCLE • G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE
293.	45S_BE_2270	MULTIPURPOSE IOT ROBOT • G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE
294.	45S_BE_1861	EXPERIMENTAL ANALYSIS OF HYBRID COMPOSITES • GOVERNMENT ENGINEERING COLLEGE, HUVINAHADAGALI, BALLARI
295.	45S_BE_1962	VAPOUR CHAMBER COOLING TECHNOLOGY • GURU NANAK DEV ENGINEERING COLLEGE, BIDAR
296.	45S_BE_4627	PROTOTYPE OF VOICE CONTROLLED SMART HOSPITAL BED WITH PATIENT HEALTH MONITORING SYSTEM. • HIRASUGAR INSTITUTE OF TECHNOLOGY, BELAGAAVI
297.	45S_BE_3511	DESIGN AND FABRICATION OF AUTOMATED PESTICIDE SPRAYING ROBOT FOR GREENHOUSE PLANTS • J.S.S. ACADEMY OF TECHNICAL EDUCATION, BENGALURU
298.	45S_BE_2080	DESIGN AND DEVELOPMENT OF 2 BLADED SAVONIUS WIND TURBINE WITH SPLITTER ELEMENT SURROUNDED BY OMNIDIRECTIONAL GUIDE VANES • JAIN COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBBALLI
299.	45S_BE_3199	FABRICATION OF PALLETING MACHINE • K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI
300.	45S_BE_3235	LOW-COST E-RICKSHAW FOR RURAL TRANSPORTATION • K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI
301.	45S_BE_3535	INVESTIGATIONS ON MICROWAVE-ASSISTED JOINING OF FDM - 3D PRINTED PARTS TO OVERCOME ITS BED SIZE LIMITATION APPLIED TO UAV WINGS • K.L.S. GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELAGAAVI
302.	45S_BE_3768	INVESTIGATIONS ON FRICTION STIR SPOT WELDING OF DISSIMILAR 3D-PRINTED PARTS TO OVERCOME BED SIZE LIMITATIONS OF FDM 3D-PRINTER • K.L.S. GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELAGAAVI

303.	45S_BE_0971	FABRICATIONB OF SOLAR OPERATED SMART HYDROPHONICS SYSTEM FOR FODDER FEED GROWING • K.N.S. INSTITUTE OF TECHNOLOGY, BENGALURU
304.	45S_BE_4069	FABRICATION OF SONAR GLASSES FOR VISUALLY IMPAIRED PEOPLE • K.S. INSTITUTE OF TECHNOLOGY, BENGALURU
305.	45S_BE_3697	PREPARATION & TESTING OF DUCK EGG SHELL POWDER REINFORCED POLYMER COMPOSITE MATERIAL FOR AUTOMOBILE AND SPORTS ACCESSORIES • MAHARAJA INSTITUTE OF TECHNOLOGY, THANDAVAPURA
306.	45S_BE_2038	DESIGN AND DEVELOPMENT OF PORTABLE/COLLAPSIBLE STRUCTURE FOR INDOOR HYDROPONIC FARMING. • MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI
307.	45S_BE_3571	FABRICATION OF ARTIFICIAL INTELLIGENCE SOLAR BASED FIRE FIGHTING AGV • NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU
308.	45S_BE_3439	DESIGN AND DEVELOPMENT OF LAND ROVER ROBOT FOR MILITARY AND SPACE APPLICATIONS • NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU
310.	45S_BE_3594	DESIGN AND FABRICATION OF AUTOMATED 360° MACHINE WITH SOUND WAVE BASED FIRE EXTINGUISHER • RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
311.	45S_BE_2770	DESIGN & DEVELOPMENT OF AUTONOMOUS HYBRID LAWN MOWER • REVA UNIVERSITY, BENGALURU
312.	45S_BE_4236	FABRICATION OF VOICE AND FLEX ASSIST EXOSKELETON ARM FOR PARALYZED PEOPLE. • REVA UNIVERSITY, BENGALURU
313.	45S_BE_0113	BIONIC LIMB MECHANISM • SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU
315.	45S_BE_4090	DIGITAL EDUCATION USING AUGMENTED REALITY AND VIRTUAL REALITY • SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU
316.	45S_BE_0333	DESIGN AND FABRICATION OF AUTOMATIC E-CRADLE'(BASED ON BABY CRY) • St. JOSEPH ENGINEERING COLLEGE, MANGALURU
317.	45S_BE_1494	DESIGN AND DEVELOPMENT OF A SWITCHABLE SETUP BETWEEN IC AND ELECTRIC ENGINES FOR TWO WHEELER • VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU
318.	45S_BE_3255	DESIGN AND FABRICATION OF PORTABLE DUAL AXIS SOLAR TRACKER • VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU
319.	45S_BE_4250	REMOTELY OPERATED MICRO SUBMARINE ROBOT • VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU
320.	45S_BE_4560	DESIGN AND FABRICATION OF FLOATING OIL SKIMMER • VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU
321.	45S_BE_4581	DISIGN, FABRICATION AND FINITE ELEMENT ANALYSIS OF AUTONOMOUS TRICOPTER USING BIO-DEGRADABLE COMPOSITE MATERIAL • VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU

MECHANICAL ENGINEERING – BIOFUEL PROJECTS (2)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
309.	45S_BE_3670	THE EXTRACTION OF PYROLYTIC OIL FROM BIOMEDICAL PLASTIC WASTE TO USE AS A FUEL IN DIESEL ENGINE <ul style="list-style-type: none">P.D.A. COLLEGE OF ENGINEERING, KALABURAGI
314.	45S_BE_4761	DESIGN AND FABRICATION OF SESAME PEELING MACHINE <ul style="list-style-type: none">SRI SAIRAM COLLEGE OF ENGINEERING, BENGALURU

BIOTECHNOLOGY (4)

CHEMICAL ENGINEERING (2)

CHEMISTRY (1)

POLYMER SCIENCE AND TECHNOLOGY (1)

TEXTILE TECHNOLOGY (1)

: 2 Awards

Venue : INDOOR STADIUM AND DEPARTMENT OF PHYSICAL EDUCATION,
VTU CAMPUS, BELAGAVI

Jury : **Dr. J. R. MUDAKAVI**
FORMER CHIEF RESEARCH SCIENTIST, DEPARTMENT OF CHEMICAL ENGINEERING,
INDIAN INSTITUTE OF SCIENCE, BENGALURU

BIOTECHNOLOGY (4)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
147.	45S_BE_2168	DEVELOPMENT OF A BIOSENSOR FOR THE EARLY DETECTION OF CERVICAL CANCER <ul style="list-style-type: none">B.M.S. COLLEGE OF ENGINEERING, BULL TEMPLE ROAD, BENGALURU
148.	45S_BE_2817	DEVELOPMENT OF ADULT DIAPERS AND BANDAGES USING NATURAL FIBRES <ul style="list-style-type: none">BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANAGERE
149.	45S_BE_4004	NOVEL BIOCOMPOSITE FILM MADE OF COLLAGEN EXTRACTED FROM TILAPIA FISH SKIN, TO TREAT OPEN WOUNDS IN ELDERLY <ul style="list-style-type: none">DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
150.	45S_MSc_106	DEVELOPMENT OF ONE TIME MULTI-COLOR CHART DETECTION OF DENGUE VIRUS USING MOBILE CAMERA ANALYSIS VIA DNA LABEL FREE PROBE <ul style="list-style-type: none">RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU

CHEMICAL ENGINEERING (2)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
151.	45S_BE_4247	APPLICATION OF METAL OXIDE NANO PARTICLE IN ELECTROLYSIS OF WATER FOR HYDROGEN PRODUCTION <ul style="list-style-type: none">DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
152.	45S_BE_0345	DESIGN AND FABRICATION OF A SYSTEM TO CAPTURE AERIAL CO ₂ <ul style="list-style-type: none">S.D.M. COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD

CHEMISTRY (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
153.	45S_MSc_046	DESIGN AND FABRICATION OF LITHIUM-ION BATTERY USING CURCUMIN ISOLATED FROM TURMERIC POWDER <ul style="list-style-type: none">N.M.K.R.V. COLLEGE FOR WOMEN, BENGALURU

POLYMER SCIENCE AND TECHNOLOGY (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
325.	45S_BE_0249	PREPARATION AND CHARACTERIZATION OF BIODEGRADABLE ACTIVE FOOD PACKAGING FILM BASED ON PLA/PCL AND TURMERIC ESSENTIAL OIL EXTRACTED FROM BIOWASTE. <ul style="list-style-type: none">J.S.S. SCIENCE AND TECHNOLOGY UNIVERSITY, MYSURU

TEXTILE TECHNOLOGY (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
332.	45S_BE_0170	INNOVATIVE METHODS OF DYEING OF TUSSAR SILK YARN AND FABRIC FOR RURAL UPLIFTMENT <ul style="list-style-type: none">BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANAGERE

CIVIL ENGINEERING (13)

: 3 Awards

Venue : INDOOR STADIUM AND DEPARTMENT OF PHYSICAL EDUCATION,
VTU CAMPUS, BELAGAVI

Jury : **MR. H. HEMANTH KUMAR**

EXECUTIVE SECRETARY AND CHIEF SCIENTIFIC OFFICER,
KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY, BENGALURU

CIVIL ENGINEERING (13)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
154.	45S_BE_0561	STUDY ON UTILISATION OF SOLAR PANELS FOR THE CONSERVATION OF ENERGY DURING NIGHT HOUR'S <ul style="list-style-type: none">ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELAGAAVI
155.	45S_BE_3884	PERFORMANCE OF MASONRY PREPARED WITH NATURAL RUBBER LATEX AND NATURAL RESINS IN MORTAR AND CONCRETE BLOCK <ul style="list-style-type: none">COORG INSTITUTE OF TECHNOLOGY, KODAGU
156.	45S_BE_0219	MODELLING OF LIGHTENING ARRESTING SYSTEM USING SOLAR PANELS AND HARVESTING THE ENERGY IN BATTERY AND UTILISING THE SAME FOR PRODUCTION OF ELECTRICITY <ul style="list-style-type: none">DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
157.	45S_BE_0433	DIGITAL DOCUMENTATION AND PRESERVATION OF HERITAGE STRUCTURE USING REVERSE ENGINEERING. <ul style="list-style-type: none">DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
158.	45S_BE_2396	TO STUDY ON PARTIAL REPLACEMENT OF CEMENT BY FLYASH AND TO KNOW THE COMPARATIVE STUDY BY USING POLYETHYLENE GLYCOL (PEG-400) FOR THE ECO-FRIENDLY SELF-CURING CONCRETE <ul style="list-style-type: none">G. MADEGOWDA INSTITUTE OF TECHNOLOGY, MADDUR

159.	45S_BE_0807	BIODEGRADABLE MATERIALS FOR PACKING ACOUSTICS AND NOISE CONTROL • GOVERNMENT S.K.S.J.T. INSTITUTE, BENGALURU
160.	45S_BE_0426	STRUCTURAL DAMAGE DETECTION USING IoT • MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI
161.	45S_BE_4403	AQUAPONICS AN ALTERNATIVE METHOD OF LAND FARMING • P.A. COLLEGE OF ENGINEERING, MANGALURU
162.	45S_BE_3166	A STUDY ON ENERGY GENERATION FROM THE TRAFFIC WIND MILLS FOR SMART ROAD NETWORK • S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAAVI
163.	45S_BE_4108	FABRICATION AND EXPERIMENTAL INVESTIGATIONS OF LOW-COST MULTIPURPOSE DISMOUNTABLE BAMBOO GEODESIC DOME • SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU
164.	45S_BE_2132	INTEGRATION OF SOLAR AND MICRO HYDRO SYSTEMS TO MICROGRID FOR HARNESSING THE RENEWABLE ENERGY SOURCES • THE NATIONAL INSTITUTE OF ENGINEERING, MYSURU
165.	45S_BE_2682	FERRO-CEMENT BLOCKS AN ECO-FRIENDLY ALTERNATIVE FOR CONCRETE BLOCKS AND EARTHEN STRUCTURES • THE NATIONAL INSTITUTE OF ENGINEERING, MYSURU
166.	45S_MTech_094	AN EXPERIMENTAL STUDY ON STRUCTURAL PERFORMANCE OF RC BEAMS STRENGTHENED FOR COMBINED FLEXURE AND SHEAR BY USING NSM-GFRP STRIPS • THE NATIONAL INSTITUTE OF ENGINEERING, MYSURU

COMPUTER SCIENCE AND ENGINEERING (32)

: 6 Awards

Venue : OPEN AREA INFRONT OF DEPARTMENT OF CSE AND ISE
VTU CAMPUS, BELAGAVI

Jury : **DR. RAVI RAJU**
CHIEF RESEARCH SCIENTIST, DEPARTMENT OF MATERIALS ENGINEERING
INDIAN INSTITUTE OF SCIENCE, BENGALURU

COMPUTER SCIENCE AND ENGINEERING (32)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
167.	45S_BE_3967	LIBRARY ACCESS FOR VISUALLY IMPAIRED STUDENTS • ALLIANCE COLLEGE OF ENGINEERING AND DESIGN, ALLIANCE UNIVERSITY, BENGALURU
168.	45S_BE_4680	EYE-MOVE - AN EFFICIENT EYE-TYPING APPLICATION • B.M.S. COLLEGE OF ENGINEERING, BULL TEMPLE ROAD, BENGALURU
169.	45S_BE_3407	DESIGN AND DEVELOPMENT OF SOLAR POWERED AUTOMATIC GRAIN DRYER FOR STORAGE • BASAVAKALYAN ENGINEERING COLLEGE, BASAVAKALYANA
170.	45S_BE_2968	ROBOTIC NURSE • C. BYREGOWDA INSTITUTE OF TECHNOLOGY, KOLAR
171.	45S_BE_2350	HUMAN POSE ESTIMATION IN FITNESS TRACKING AND GUIDANCE • DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

172.	45S_BE_4673	FABRICATION OF LOW COST AUTOMATIC VENTILATOR WITH KEEP TRACK OF PATIENT <ul style="list-style-type: none"> G. MADEGOWDA INSTITUTE OF TECHNOLOGY, MADDUR
173.	45S_BE_1240	SUICIDAL THOUGHTS RECOGNITION FOR EMOTIONALLY DISTURBED PERSON USING MACHINE LEARNING <ul style="list-style-type: none"> K.L.E. Dr. M. S. SHESHGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY, BELAGAAVI
174.	45S_BE_2099	PDF TO AUDIO CONVERTER AND TRANSLATOR <ul style="list-style-type: none"> K.L.E. Dr. M. S. SHESHGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY, BELAGAAVI
175.	45S_BE_0137	DESIGN AND DEVELOPMENT OF WEARABLE SMART SHOES FOR SAFETY PURPOSE <ul style="list-style-type: none"> K.L.E'S K.L.E. COLLEGE OF ENGINEERING AND TECHNOLOGY, CHIKKODI
176.	45S_BE_3868	OPEN RESOURCE CONTROL AND SURVEILLANCE TOOL <ul style="list-style-type: none"> K.L.S. GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELAGAAVI
177.	45S_BE_4418	SMART DOORBELL SYSTEM <ul style="list-style-type: none"> K.L.S. VISHWANATHRAO DESHPANDE INSTITUTE OF TECHNOLOGY, HALIYAL, UTTARA KANNADA
178.	45S_BE_4669	VIRTUAL POLICE STATION AND SAVE OUR SOULS(SOS) SYSTEM <ul style="list-style-type: none"> M.V.J. COLLEGE OF ENGINEERING, BENGALURU
179.	45S_BE_3528	SECURE QUADCOPTER DELIVERY <ul style="list-style-type: none"> NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU
180.	45S_BE_3921	REVIEW ON LANE AND OBJECT DETECTION FOR ACCIDENT PREVENTION IN AUTOMATED CARS <ul style="list-style-type: none"> NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU
181.	45S_BE_3963	TRAINING JUNIOR DOCTORS USING VR <ul style="list-style-type: none"> NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU
182.	45S_BE_4714	TO DETECT ABNORMAL EVENT AT ATM SYSTEMS USING IMAGE PROCESSING AND IOT <ul style="list-style-type: none"> P.D.A. COLLEGE OF ENGINEERING, KALABURAGI
183.	45S_BE_3333	IOT ENABLED SAFETY SYSTEM FOR CHILD AND AGED PEOPLE <ul style="list-style-type: none"> PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPETE, BALLARI
184.	45S_BE_3096	SMART AGRICULTURE SYSTEM FOR FRUITS <ul style="list-style-type: none"> S.J.M. INSTITUTE OF TECHNOLOGY, CHITRADURGA
185.	45S_BE_2680	E-LEARNING FOR RURAL SCHOOLS <ul style="list-style-type: none"> SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU
186.	45S_BE_3034	CHECKING APPEARANCE OF THE HUMAN FACE VIRTUALLY BY APPLYING COSMETIC PRODUCTS <ul style="list-style-type: none"> SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU
187.	45S_BE_4558	FORENSIC FACE SKETCH CONSTRUCTION AND RECOGNITION <ul style="list-style-type: none"> SAI VIDYA INSTITUTE OF TECHNOLOGY, BENGALURU
188.	45S_BE_3469	FACE DETECTION AND MONITORING IN MULTIPLE SURVEILLANCE FOOTAGE USING CONVOLUTIONAL NEURAL NETWORK (CNN) <ul style="list-style-type: none"> SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
189.	45S_BE_4240	SMART SURFACE IRRIGATION MANAGEMENT SYSTEM USING RASPBERRY PI <ul style="list-style-type: none"> SECAB INSTITUTE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA

190.	45S_BE_4320	WIRELESS SENSORNETWORK BASED AGRICULTURAL MONITORING SYSTEM • SHARNBASVA UNIVERSITY, KALABURAGI
191.	45S_BE_3544	ACHAKSHUS-AN INNOVATIVE TECHNOLOGY FOR VISUALLY CHALLENGED AND BLIND PEOPLE • SMT. KAMALA AND SRI VENKAPPA M. AGADI COLLEGE OF ENGINEERING AND TECHNOLOGY, GADAG
192.	45S_BE_4721	EDUVISTA 2.0 "THE FUTURE WAY OF LEARNING" • SRI SAIRAM COLLEGE OF ENGINEERING, BENGALURU
193.	45S_BE_4746	LAKE CLEANING ROBOT • SRI SAIRAM COLLEGE OF ENGINEERING, BENGALURU
194.	45S_BE_4029	AUTOMOBILE SURVEILLANCE AND SECURITY ESTABLISHMENT FOR SMART CITIES • SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU
195.	45S_BE_4349	UNMANNED AERIAL VEHICLE OBJECT DETECTION USING MULTI-SENSOR FUSION IN REAL TIME WITH GAN • SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU
196.	45S_BE_3329	ANDROID APPLICATION FOR FALL ARMYWORM IDENTIFICATION ON MAIZE USING DEEP LEARNING • St. JOSEPH ENGINEERING COLLEGE, MANGALURU
197.	45S_BE_1126	INTEGRATED ANDROID APP FOR DAIRY FARMERS • VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR, DAKSHINA KANNADA
198.	45S_BE_3298	ಮಮತೆಯ ತೊಟ್ಟಿಲು (MAMATHEYA THOTTILU) REAL TIME BABY CRADLE WITH SMART ASSISTANCE USING IOT • VIVEKANANDA INSTITUTE OF TECHNOLOGY, BENGALURU

**INFORMATION SCIENCE AND ENGINEERING (20)
SOFTWARE ENGINEERING (1)**

: 4 Awards

Venue : OPEN AREA INFRONT OF DEPARTMENT OF CSE AND ISE
VTU CAMPUS, BELAGAVI

Jury : 1. **Dr. P. SIVA SUBBA RAO**
SENIOR PRINCIPAL SCIENTIST, NATIONAL AEROSPACE LABORATORIES, BENGALURU

2. **Dr. R. P.S. CHAKRADHAR**
PRINCIPAL SCIENTIST, NATIONAL AEROSPACE LABORATORIES, BENGALURU

INFORMATION SCIENCE AND ENGINEERING (20)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
262.	45S_BE_2423	VIRTUAL DRESSING ROOM USING AUGMENTED REALITY • ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU
263.	45S_BE_1980	IMAGE SUPER-RESOLUTION VIA A CONVOLUTION NEURAL NETWORK • ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOODBIDRI
264.	45S_BE_4383	LICENSE PLATE RECOGNITION USING MACHINE LEARNING • B.G.S. INSTITUTE OF TECHNOLOGY, MANDYA

265.	45S_BE_2823	SMART GLOVES FOR FIREFIGHTERS • B.V.V. SANGHA'S BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT
266.	45S_BE_3160	RENEWABLE ENERGY (WIND) BASED AUTOMATIC RECHARGING SYSTEM FOR ELECTRICAL VEHICLES WITH BATTERY INFORMATION SYSTEM USING IoT. • BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANAGERE
267.	45S_BE_3609	MEDCOIN : FACILITATING SECURE MEDICAL DATA AGGREGATION • DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
268.	45S_BE_4199	AUTOMATED BUS CROWD MANAGEMENT SYSTEM • EAST POINT COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU
269.	45S_BE_2528	SAFETY MONITORING OF SEWAGE WORKERS USING IOT AND MACHINE LEARNING • EAST WEST INSTITUTE OF TECHNOLOGY, BENGALURU
270.	45S_BE_3837	AUTOMATIC DOOR OPENING SYSTEM WITH COVID-19 SAFETY MEASURES • JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA
271.	45S_BE_3604	AUTONOMOUS CAR DEMONSTRATING LANE ASSIST AND TRACKING TECHNOLOGY • N.M.A.M. INSTITUTE OF TECHNOLOGY, NITTE
272.	45S_BE_1768	DRONE DELIVERY WITH OBJECT DETECTION • NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU
273.	45S_BE_3152	OPTIMIZATION IN SOLAR ENERGY HARVESTING • NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU
274.	45S_BE_3381	E-ASSISTANT: SUPPORT FOR ELDERLY/PARKINSON PATIENTS • NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU
275.	45S_BE_4260	IOT BASED HYDROPONIC SYSTEM USING LIGHT INTENSITY FOR LETTUCE GROWTH • P.E.S. COLLEGE OF ENGINEERING, MANDYA
276.	45S_BE_1084	AUTOMATED HYDROPONICS MONITORING SYSTEM USING IoT • S.D.M. INSTITUTE OF TECHNOLOGY, UJIRE
277.	45S_BE_0088	ROAD SAFETY ANALYSIS BASED ON VEHICLE VIBRATION AND SOUND USING DEEP LEARNING TECHNIQUE • SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU
278.	45S_BE_4397	A SMART PILL BOX WITH REMIND AND CONSUMPTION USING IOT • SHARNBASVA UNIVERSITY, KALABURAGI
279.	45S_BE_4443	SMART GLASSES TO ASSIST THE BLIND • THE NATIONAL INSTITUTE OF ENGINEERING, MYSURU
280.	45S_BE_3464	COMPACT NN BASED SMART PEN • THE OXFORD COLLEGE OF ENGINEERING, BENGALURU
281.	45S_BE_4353	SMART BLIND STICK WITH OBJECT DETECTION AND ASSISTANCE • THE OXFORD COLLEGE OF ENGINEERING, BENGALURU

SOFTWARE ENGINEERING (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
326.	45S_MTech_058	DESIGN AND DEVELOPMENT OF IOT BASED REMOTE COVID-19 PATIENT MONITORING SYSTEM USING MACHINE LEARNING AND EDGE COMPUTING TECHNIQUE <ul style="list-style-type: none"> RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

ELECTRICAL AND ELECTRONICS ENGINEERING (16)

: 3 Awards

Venue : OPEN AREA INFRONT OF DEPARTMENT OF CSE AND ISE
VTU CAMPUS, BELAGAVI

Jury : **1. Dr. U. J. SHENOY**
CHIEF RESEARCH SCIENTIST, DEPARTMENT OF ELECTRICAL ENGINEERING,
INDIAN INSTITUTE OF SCIENCE, BENGALURU

2. DR. B. SUBBA REDDY
PRINCIPAL RESEARCH SCIENTIST, DEPARTMENT OF ELECTRICAL ENGINEERING,
INDIAN INSTITUTE OF SCIENCE, BENGALURU

ELECTRICAL AND ELECTRONICS ENGINEERING (16)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
199.	45S_BE_4433	DESIGN AND DEVELOPMENT OF AUTOMATIC BOOK SCANNING MACHINE <ul style="list-style-type: none"> A.T.M.E. COLLEGE OF ENGINEERING, MYSURU
200.	45S_BE_1207	STEP SOLAR STILL: DESIGN MODIFICATION IN SOLAR STILL AND INCORPORATION OF PHASE CHANGING MATERIAL TO INCREASE THE EFFICIENCY OF STEP SOLAR STILL <ul style="list-style-type: none"> ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELAGAAVI
201.	45S_BE_1735	SEEDS DRYER USING SOLAR SYSTEM <ul style="list-style-type: none"> JAIN INSTITUTE OF TECHNOLOGY, DAVANAGERE
202.	45S_BE_3642	TWO WAY CHARGE-DISCHARGE CYCLING BASED DUAL-MOTOR ELECTRIC VEHICLE <ul style="list-style-type: none"> JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA
203.	45S_BE_3992	GENERATION OF MOTIVE POWER IN ELECTRIC VEHICLE <ul style="list-style-type: none"> JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA
204.	45S_BE_4362	IoT BASED SMART VENTILATOR <ul style="list-style-type: none"> JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA
205.	45S_BE_4723	SOLAR POWERED INDUCTION COOKING SYSTEM <ul style="list-style-type: none"> MOODLAKATTE INSTITUTE OF TECHNOLOGY, UDUPI
206.	45S_BE_0352	BLADELESS WINDMILL <ul style="list-style-type: none"> RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
207.	45S_BE_4749	FORMATION AND CONTROL IN FLY ROBOTS FOR BORDER SECURITY <ul style="list-style-type: none"> RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU
208.	45S_BE_3950	RELIABLE AND USER-FRIENDLY TRICYCLE FOR PHYSICALLY CHALLENGED COMMUNITY <ul style="list-style-type: none"> SHARNBASVA UNIVERSITY, KALABURAGI

209.	45S_BE_0796	IOT BASED WIRELESS EV CHARGING AND BATTERY MONITORING SYSTEM • SRI TARALABALU JAGADGURU INSTITUTE OF TECHNOLOGY, HAVERI
210.	45S_BE_3700	ENERGY GENERATION USING FLYWHEEL AND MAGNETS • SRINIVAS INSTITUTE OF TECHNOLOGY, MANGALURU
211.	45S_BE_3150	VOICE AND GESTURE CONTROLLED WHEEL CHAIR • THE OXFORD COLLEGE OF ENGINEERING, BENGALURU
212.	45S_BE_2411	SOLAR POWERED CROP CUTTER AND PESTICIDE SPRAYER ROBOT • TONTADARYA COLLEGE OF ENGINEERING, GADAG
213.	45S_BE_3373	SOLAR BASED CHARGING STATION FOR E-BICYCLE • VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU
214.	45S_BE_2293	REMOTE CONTROLLED SMART DUSTBIN • YENEPOYA INSTITUTE OF TECHNOLOGY, MOODBIDRI, MANGALURU

MECHATRONICS (2)

MEDICAL ELECTRONICS (1)

ELECTRONICS AND INSTRUMENTATION ENGINEERING (1)

INDUSTRIAL ELECTRONICS (1)

ELECTRONICS AND TELECOMMUNICATION ENGINEERING (1)

: 2 Awards

Venue : OPEN AREA INFRONT OF DEPARTMENT OF CSE AND ISE
VTU CAMPUS, BELAGAVI

Jury : **Dr. V.P.S. NAIDU**
SENIOR PRINCIPAL SCIENTIST, NATIONAL AEROSPACE LABORATORIES, BENGALURU

MECHATRONICS (2)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
322.	45S_BE_3573	DESIGN AND FABRICATION OF MICROCONTROLLER BASED CENTRIFUGAL CASTING MACHINE • ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU
323.	45S_BE_3444	SMART PORTABLE BIO-MECHANICAL PATIENT MONITORING VENTILATOR • THE OXFORD COLLEGE OF ENGINEERING, BENGALURU

MEDICAL ELECTRONICS (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
324.	45S_BE_2285	DYSMENORRHEA RELIEVER AND POSTURE SUPPORT BELT WITH A COMBINATION OF HEAT AND VIBRATION THERAPY • DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

ELECTRONICS AND INSTRUMENTATION ENGINEERING (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
258.	45S_BE_2401	WATER POLLUTION MONITORING BOAT USING IOT <ul style="list-style-type: none"> SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU

INDUSTRIAL ELECTRONICS (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
260.	45S_MTech_035	HAND GESTURE RECOGNITION AND VOICE CONVERSION SYSTEM FOR SPEECH IMPAIRED <ul style="list-style-type: none"> J.S.S. SCIENCE AND TECHNOLOGY UNIVERSITY, MYSURU

ELECTRONICS AND TELECOMMUNICATION ENGINEERING (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
259.	45S_BE_2325	ENERGY MANAGEMENT FOR HOME AUTOMATION USING AI <ul style="list-style-type: none"> DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

ELECTRONICS AND COMMUNICATION ENGINEERING (43)

TELECOMMUNICATION ENGINEERING (5)

INTERDISCIPLINARY - MECH AND ECE (1)

: 10 Awards

Venue : OPEN AREA INFRONT OF DEPARTMENT OF CSE AND ISE
VTU CAMPUS, BELAGAVI

Juries : **1. DR. SUNDEP PRABHAKAR CHEPURI**
ASSISTANT PROFESSOR
DEPARTMENT OF ELECTRICAL COMMUNICATION ENGINEERING,
INDIAN INSTITUTE OF SCIENCE, BENGALURU

2. DR. KRISHNA KUMAR M
FORMER PRINCIPAL RESEARCH SCIENTIST,
DEPARTMENT OF ELECTRONIC SYSTEMS ENGINEERING,
INDIAN INSTITUTE OF SCIENCE, BENGALURU

3. DR. ARULALAN M R
FORMER ASSISTANT PROFESSOR,
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING,
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

ELECTRONICS AND COMMUNICATION ENGINEERING (43)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
215.	45S_BE_3412	SMART MASK <ul style="list-style-type: none"> A.M.C. ENGINEERING COLLEGE, BENGALURU
216.	45S_BE_0155	SMART SCHOOL BUS USING IOT <ul style="list-style-type: none"> B.L.D.E.A'S V.P DR P.G.HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA

217.	45S_BE_4273	DESIGN AND DEVELOPMENT OF A LOW-COST BREATHING AID UNDER HEALTH EMERGENCY • B.N.M. INSTITUTE OF TECHNOLOGY, BENGALURU
218.	45S_BE_2421	LORAWAN-BASED SMART FARMING • B.V.V. SANGHA'S BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT
219.	45S_BE_2197	RASPBERRY PI BASED SMART GLASSES USING OPENCV AND ML FOR VISUALLY IMPAIRED. • BANGALORE INSTITUTE OF TECHNOLOGY, BENGALURU
220.	45S_BE_1671	ONLINE SYSTEM FOR MONITORING WATER QUALITY, TURBIDITY AND MANAGING PIPELINE NETWORKS • BEARYS INSTITUTE OF TECHNOLOGY, MANGALURU
221.	45S_BE_4431	HYBRID MEDICINE DISPENSING ROBOT WITH PATIENT HEALTH MONITORING FOR COVID CENTERS • C. BYREGOWDA INSTITUTE OF TECHNOLOGY, KOLAR
222.	45S_BE_4639	AUTOMATIC COMMODE SEAT CLEANER • CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, TUMAKURU
223.	45S_BE_4651	SOLAR POWERED CROP NOURISHING BOT USING ARDUINO • CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, TUMAKURU
224.	45S_BE_3514	IOT BASED-SOIL NPK LEVEL, TEMPERATURE, MOISTURE AND PH DETECTION AND ANALYSIS SYSTEM USING SOLAR ENERGY • COORG INSTITUTE OF TECHNOLOGY, KODAGU
225.	45S_BE_2519	DESIGN AND DEVELOPMENT OF I-TROLLEY: A LOW-COST INTELLIGENT AUTONOMOUS TROLLEY WITH ANTI-THEFT MECHANISM • DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
226.	45S_BE_2631	DESIGN AND EXPERIMENTATION OF A LOW-COST EXERTION GAUNTLET FOR LYMPHEDEMA • DAYANANDA SAGAR UNIVERSITY, BENGALURU
227.	45S_BE_0860	PORTABLE 3D SCANNER • DON BOSCO INSTITUTE OF TECHNOLOGY, BENGALURU
228.	45S_BE_0278	ARTIFICIAL INTELLIGENCE BASED AUTONOMOUS VACUUM CLEANER WITH DISINFECTION SYSTEM • EAST POINT COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU
229.	45S_BE_3229	ELECTRONIC STETHOSCOPE USING RASPBERRY PI • G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE
230.	45S_BE_1135	THIRD EYE • GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT GITAM OFF CAMPUS, BENGALURU
231.	45S_BE_1549	SMART VILLAGE FOR RURAL DEVELOPMENT • GURU NANAK DEV ENGINEERING COLLEGE, BIDAR
232.	45S_BE_0003	AFFORDABLE AND PORTABLE OXYGEN CONCENTRATOR • JAIN COLLEGE OF ENGINEERING, BELAGAAVI
233.	45S_BE_0006	SMART CROP DRYING UNIT FOR POST-HARVEST ACTIVITIES • JAIN COLLEGE OF ENGINEERING, BELAGAAVI
234.	45S_BE_3839	AUTOMATIC PACKING CONTROL MACHINE • JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA

235.	45S_BE_0049	ELECTRICAL POWER GENERATION USING FOOT STEPS FOR RURAL / URBAN AREA ENERGY APPLICATION • K.L.E'S K.L.E. COLLEGE OF ENGINEERING AND TECHNOLOGY, CHIKKODI
236.	45S_BE_3420	SMART VOTING MACHINE BASED ON FINGER PRINTS AND FACE RECOGNITION • K.L.S. VISHWANATHRAO DESHPANDE INSTITUTE OF TECHNOLOGY, HALIYAL, UTTARA KANNADA
237.	45S_BE_3596	AN IOT BASED SMART WASTE MANAGEMENT SYSTEM USING LORA AND TENSORFLOW DEEP LEARNING MODEL • K.N.S. INSTITUTE OF TECHNOLOGY, BENGALURU
238.	45S_BE_2565	DRONE SANITIZER • K.S. INSTITUTE OF TECHNOLOGY, BENGALURU
239.	45S_BE_2831	SCHEDULED SINGLE AXIS SOLAR TRACKER USING IOT AND MPPT SYSTEM • NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU
240.	45S_BE_3332	DEVELOP AN ANDROID APPLICATION FOR SENIOR CITIZEN PENSIONERS TO GENERATE DIGITAL LIFE CERTIFICATE (JEEVAN PRAMANA) USING FACE RECOGNITION TECHNIQUES • REVA UNIVERSITY, BENGALURU
241.	45S_BE_1277	SURFACE EXPLORATION ROVER • S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAAVI
242.	45S_BE_2644	INTELLIGENT DEVICE CONTROL USING BRAIN MACHINE INTERFACE • S.J.B. INSTITUTE OF TECHNOLOGY, BENGALURU
243.	45S_BE_2717	SPIDER ROBOT FOR SCOUTING AND DEFENSE PURPOSE • S.J.B. INSTITUTE OF TECHNOLOGY, BENGALURU
244.	45S_BE_1173	IMPLEMENTATION OF REAL TIME HAND GESTURES FOR 3D HOLOGRAPHIC DISPLAY USING ARTIFICIAL INTELLIGENCE • S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA
245.	45S_BE_2385	A LOW COST MULTI-SENSOR FOR INVESTIGATING THE STRUCTURAL RESPONSE OF STRUCTURES • S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA
246.	45S_BE_0016	SMART TOUCH PANEL FOR AUTOMATION • SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU
247.	45S_BE_0044	DESIGN AND DEVELOPMENT OF AUTONOMOUS UNMANNED GROUND VEHICLE USING PX4 • SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU
248.	45S_BE_0255	ANDROID CONTROLLED ROBOTIC ARM (ACRA) • SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU
249.	45S_BE_0427	AUTOMOBILE BLACK BOX • SAMBHRAM INSTITUTE OF TECHNOLOGY, BENGALURU
250.	45S_BE_1443	PARAFFIN LEVEL DETECTOR IN EDIBLE OIL USING IoT • SAMBHRAM INSTITUTE OF TECHNOLOGY, BENGALURU
251.	45S_BE_3534	INTELLIGENT PACKAGING SOLUTION • SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
252.	45S_BE_2149	SUPPLEMENTAL SYSTEM FOR ASSISTING THE KNEE JOINT USING PASCAL'S LAW • SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI

253.	45S_BE_3143	EMBEDDED BASED AUTOMATIC LAWN MOWER • SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI
254.	45S_BE_4335	SMART STICK FOR VISUALLY IMPAIRED PEOPLE • SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMAKURU
255.	45S_BE_2924	AUTOMATED VEHICLE PLATOON • SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU
256.	45S_BE_2487	AUTONOMOUS CARRIER ROBOT • St. JOSEPH ENGINEERING COLLEGE, MANGALURU
257.	45S_BE_1659	GESTURE CONTROLLED ADVANCED WHEELCHAIR FOR PHYSICALLY CHALLENGED • YENEPOYA INSTITUTE OF TECHNOLOGY, MOOBBIDRI, MANGALURU

TELECOMMUNICATION ENGINEERING (5)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
327.	45S_BE_0245	INTELLIGENT MASK • B.M.S. COLLEGE OF ENGINEERING, BULL TEMPLE ROAD, BENGALURU
328.	45S_BE_0267	IOT BASED POWER THEFT DETECTION AND TRANSFORMER SAFETY • BANGALORE INSTITUTE OF TECHNOLOGY, BENGALURU
329.	45S_BE_0126	ARDUINO BASED SMART SOLAR TRACKER • DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
330.	45S_BE_2915	A SMART MULTIPURPOSE MONITORING AND CONTROLLING IOT SOLUTION TO ENHANCE SAFETY IN RAILWAYS • G.S.S.S. INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, MYSURU
331.	45S_BE_0857	IOT BASED SMART MIRROR • K.S. INSTITUTE OF TECHNOLOGY, BENGALURU

INTERDISCIPLINARY - MECH AND ECE (1)

Sl. No.	PROJECT REFERENCE NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
282.	45S_BE_0131	AUTONOMOUS PESTICIDE SPRAYING AND DISEASE DETECTION UAV PLATFORM FOR ARECA NUT AND PEPPER PLANTATIONS • SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU

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

45th series of Student Project Programme (SPP): 2021-22

**State Level Seminar and Exhibition on 12th and 13th August 2022 at
Visvesvaraya Technological University (VTU), Belagavi**

Date : 13th August 2022

Time: 3:00 PM

Venue : Dr. A.P.J. Abdul Kalam Auditorium, VTU, Belagavi

VALEDICTORY FUNCTION

03:00 PM – 03:55 PM : Valedictory Function

03:55 PM – 04:45 PM : Presentation of Best Projects of the Year Awards

* ~ * ~ *

Technical Lecture for the 45th Series Student Project Programme (SPP)

Date: 13th August 2022

Time: 12:00 Noon

Venue: Dr. APJ Abdul Kalam Auditorium, VTU, Belagavi

IoT, 5G AND ROBOTICS AUTOMATION – SHAPING THE NEXT DECADE

Abstract:

With incredible advances in technologies for sensing (IoT), communication (5G) and computing (GPUs), the ability and costs to digitize, share and process anything have grown tremendously. This has led to the spread of IoT technology and solutions – which is having a significant impact in many industries like agriculture, health, manufacturing, logistics and so on, where it brings better awareness of the on-ground conditions and allows more efficient processes and systems. In this talk, I will share a brief perspective on how these technologies are evolving and their potential future impact, as well as a few research projects in health (neonatal monitoring), data (IUDX) and robotics (warehouse automation), that I have pursued. I will conclude by reflecting on the varying degrees of success in translating them out from the lab, with lessons learned for future endeavors.

Speaker:

Prof. Bharadwaj Amrutur,
Indian Institute of Science, Bengaluru

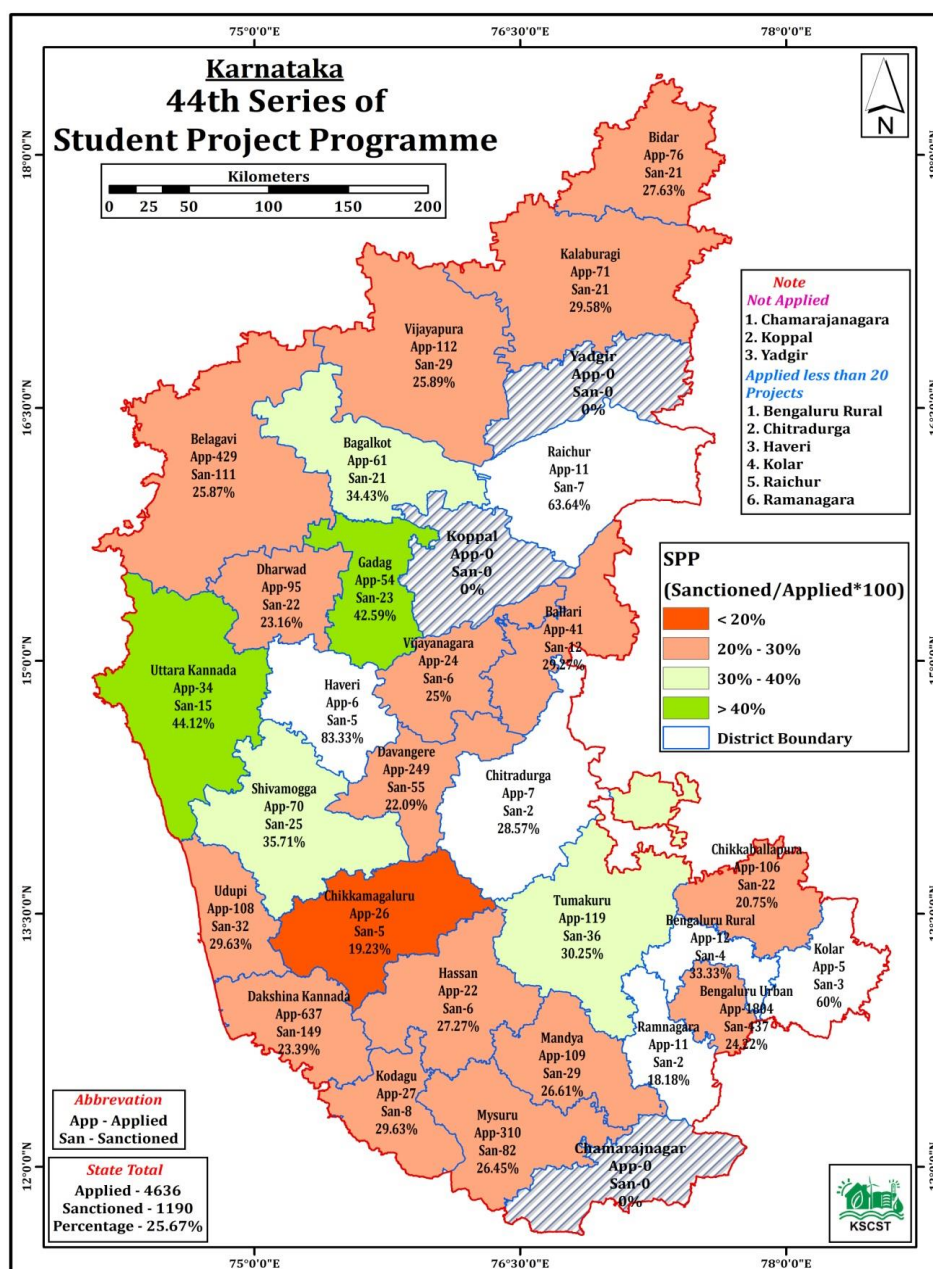
About Speaker:

Bharadwaj Amrutur is a Professor in IISc. He chairs the Robert Bosch Center for Cyber Physical Systems, which is an inter-disciplinary academic center in IISc, running PhD and MTech (Robotics) programs. He also co-founded ARTPARK (AI & Robotics Technologies Park), where he is the Research Head and a Director in the Board. He obtained his Btech from IIT Bombay and MS/PhD from Stanford University.

Glimpses of 44th series of Student Project Programme (SPP)

44th Series of SPP

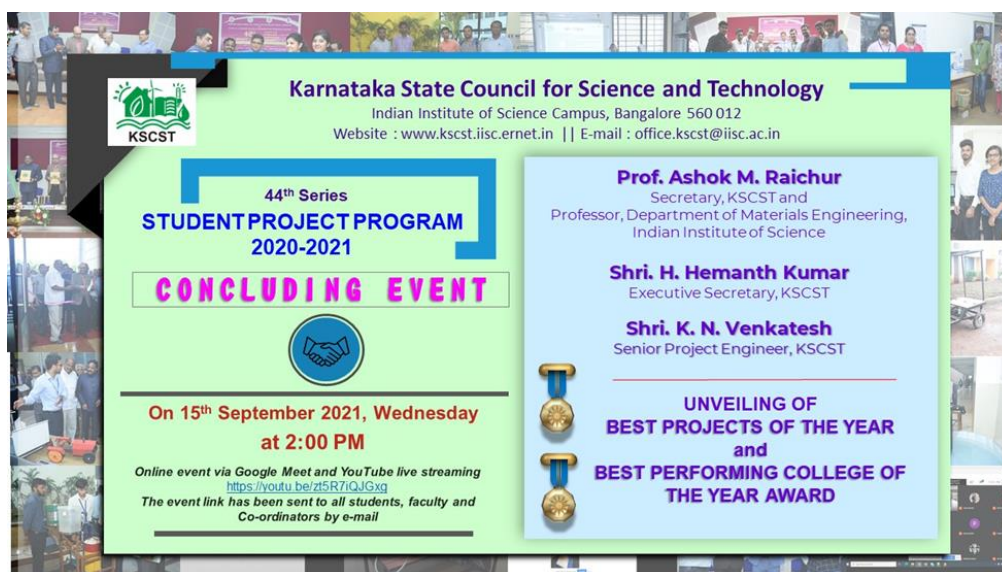
Under the 44th series of SPP, the Council had received 4,635 project proposals from 177 institutions, and 1,190 projects were funded. Due to the restrictions imposed to contain Covid19 the evaluation of the sponsored projects was conducted online via Google Meet.



Representation of projects statistics

After the online evaluation of sponsored projects, a total of 87 projects were selected by the experts and are awarded certificates. B.L.D.E.A's V.P. Dr. P.G. Halakatti College of Engineering and Technology, Vijayapura was awarded as the "best performing college of the year" under the 44th series of SPP.


An online event was organized on the 15th of September, to announce the results of the online evaluation, via Google Meet which was live streamed on YouTube.



Karnataka State Council for Science and Technology
Indian Institute of Science Campus, Bangalore 560 012
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44th Series
STUDENT PROJECT PROGRAM
2020-2021

CONCLUDING EVENT



On 15th September 2021, Wednesday
at 2:00 PM

Online event via Google Meet and YouTube live streaming
<https://youtu.be/z5R7iQJGxg>
The event link has been sent to all students, faculty and Co-ordinators by e-mail

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

Shri. H. Hemanth Kumar
Executive Secretary, KSCST

Shri. K. N. Venkatesh
Senior Project Engineer, KSCST

UNVEILING OF
BEST PROJECTS OF THE YEAR
and
BEST PERFORMING COLLEGE OF
THE YEAR AWARD

