

# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

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## 43<sup>rd</sup> Series of Student Project Programme: 2019-20

### BEST PERFORMING COLLEGE OF THE YEAR AWARD :

**Mangalore Institute of Technology and Engineering, Moodabidre**

### BEST PROJECT OF THE YEAR AWARD

#### 1) AERONAUTICAL ENGINEERING

Sl. No.	PROJECT REFERENCE NO.	PROJECT
1.	43S_BE_3869	<b>DESIGN AND MODELLING OF A VERTICAL AXIS WIND TURBINE TO EXTRACT WIND ENERGY FROM HIGHWAYS TO POWER ELECTRIC VEHICLE CHARGING STATIONS</b> COLLEGE: MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRE GUIDE: Mr. VISHWARETHA K.R. STUDENTS: Mr. SANJAY M.V. Mr. CLAVIN WILTON SEQUEIRA Mr. T.D. TEESHMA Ms. VISHALAKSHI T. BANDIWAD

#### 2) BIOTECHNOLOGY

Sl. No.	PROJECT REFERENCE NO.	PROJECT
2.	43S_BE_2640	<b>SYNTHESIS AND INCORPORATION OF NANO – MATERIALS IN WOUND HEALING SCAFFOLD</b> COLLEGE: ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU GUIDE: Dr. SUNEETHA T.B STUDENTS: Mr. PIYUSH PAL Ms. SRIJANA DEY
3.	43S_MSC_002	<b>A NOVEL APPROACH ON THE REVELATION OF INFERIOR SUBSTANCES PRESENT IN THE EDIBLE OIL USING PAPER STRIPS</b> COLLEGE: St. ALOYSIUS COLLEGE (AUTONOMOUS), MANGALURU GUIDE: Dr. JIJI GEORGE STUDENTS: Ms. UMADEVI S M Ms. VAISHNAVI N H

4.	43S_MTECH_052	<p><b>QPCR ANALYSIS OF GENES EXPRESSED DURING BIOFILM DEVELOPMENT OF CANDIDA ALBICANS</b></p> <p>COLLEGE: RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU          GUIDE: Dr. BINDU S          STUDENT: Ms. ARPITHA RAMACHANDRAIAH</p>
5.	43S_BE_2153	<p><b>PORTABLE FILTRATION UNIT USING NOVEL GRAPHENE INFUSED NATURAL COMPOUNDS AND NANOFILLERS: A RECENT ADVANCEMENT IN WATER PURIFICATION TECHNOLOGY</b></p> <p>COLLEGE: DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU          GUIDE: Dr. BLESSY BABY MATHEW          CO-GUIDE: Mrs. K BHANU REVATHI          STUDENTS: Mr. TARUN SHYAM MOHAN          Ms. SOUNDHARYA R.          Ms. SAMRUDDHI RAJENDRA KITTUR          Ms. APOORVA N RAO</p>

### 3) CHEMICAL ENGINEERING

SI. No.	PROJECT REFERENCE NO.	PROJECT
6.	43S_BE_2470	<p><b>MODIFIED CdS-MoS<sub>2</sub> NANOCOMPOSITE FOR SOLAR LIGHT DRIVEN HYDROGEN PRODUCTION</b></p> <p>COLLEGE: RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU          GUIDE: Dr. NAGARAJU KOTTAM          CO-GUIDE: Dr. ARCHNA          STUDENTS: Mr. SUNDAR RATHOD          Mr. SKHIL PAVADAD</p>

### 4) CIVIL ENGINEERING

SI. No.	PROJECT REFERENCE NO.	PROJECT
7.	43S_BE_0194	<p><b>ASSESSMENT OF SURFACE AND GROUND WATER QUALITY NEAR MUNICIPAL SOLID WASTE DUMPING SITE AREA, VAMANJOOR, MANGALORE INDIA:</b></p> <p>COLLEGE: A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, MANGALURU          GUIDE: MR. NITESH          STUDENTS: Mr. YOGESHASWAMY K P.          Mr. SWASTIK          Mr. ABHILASH T J          Mr. ADARSH SHETTY</p>

8.	43S_BE_2962	<p><b>A STUDY ON BEST AVAILABLE TECHNOLOGIES FOR WATER USE AND WASTE WATER TREATMENT IN COFFEE PROCESSING INDUSTRY</b></p> <p>COLLEGE: ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU</p> <p>GUIDE: Dr. KIRAN B M</p> <p>STUDENTS: Mr. BHUVAN GOWDA A H Ms. BINDU K D Mr. VINOOTH A P Mr. PAVAN KUMAR B K</p>
9.	43S_BE_0293	<p><b>CONTROLLED FARMING OF VEGETABLES BY AQUAPONICS</b></p> <p>COLLEGE: B.L.D.E.A.'s V.P. Dr P.G. HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA</p> <p>GUIDE: Mrs. ANURADHA TANKSALI</p> <p>STUDENTS: Ms. SHALINI JALAGERI Ms. SHAKUNTALA BUDIHAL Ms. SHWETA HONNUTAGI</p>
10.	43S_BE_4119	<p><b>ASSESSMENT OF GREEN BEARYS ARENA BY 6D BUILDING INFORMATION MODELING COMPARED WITH CONVENTIONAL METHOD</b></p> <p>COLLEGE: BEARYS INSTITUTE OF TECHNOLOGY, MANGALURU</p> <p>GUIDE: Prof. ZAHEER AHMED</p> <p>STUDENTS: Mr. NOMAN ASHRAF Mr. MOHD ARSLAN AZAD Ms. SHAHNAZ P.J. Ms. NAFEESA SUHAILA</p>
11.	43S_BE_3189	<p><b>EVALUATION AND ASSESSMENT OF A BUILDING FOR FIRE LOAD AND SAFETY MEASURES</b></p> <p>COLLEGE: DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT, BENGALURU</p> <p>GUIDE: Dr. VISHWANATH K N</p> <p>STUDENTS: Ms. SAVITHA S</p>
12.	43S_BE_0902	<p><b>CONSTRUCTION OF SKYWALK NEAR RAILWAY STATION FOR PEDESTRIAN SAFETY AND COMFORT IN DAVANAGERE</b></p> <p>COLLEGE: G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE</p> <p>GUIDE: Dr. MOHAMMED YASEEN</p> <p>STUDENTS: Ms. BHOOMIKA M. Mr. CHETHAN N R. Mr. RAVICHANDRA M H Mr. ZILANI D</p>

13.	43S_BE_2822	<p><b>DESIGN AND DEVELOPMENT OF SUSTAINABLE PAVER BLOCKS FOR LOW VOLUME TRAFFIC PAVEMENTS USING ALKALI ACTIVATED ALUMINO SILICATES UTILIZING COPPER SLAG AND DEMOLITION WASTES</b></p> <p>COLLEGE: JYOTHY INSTITUTE OF TECHNOLOGY, BENGALURU  GUIDE: Mr. SREEKESHAVA K S  CO-GUIDE: Mr. MANISHH S DHAREK  STUDENTS: Mr. NISHANTH.B.  Mr. MANISH.M.  Mr. RAKESH.N  Mr. YASHWANATH</p>
14.	43S_BE_3249	<p><b>UTILIZATION OF PLASTIC WASTE AS ALTERNATIVE CONSTRUCTION MATERIAL</b></p> <p>COLLEGE: K.L.S's VISHWANATHRAO DESHPANDE INSTITUTE OF TECHNOLOGY, HALIYAL  GUIDE: Prof. SEEMA R B  STUDENTS: Mr. SAGAR DANGE  Mr. ROHAN SAVANUR  Mr. UMESH HOSAMANI  Mr. GAJANAN HONAGEKAR</p>
15.	43S_BE_2288	<p><b>EFFECTIVE NATURAL COAGULANT MIX FOR TREATMENT OF LAKE WATER</b></p> <p>COLLEGE: NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU  GUIDE: Ms. VARSHA VISWANATH  STUDENTS: Mr. ANKUSH P A.  Ms. LATHASHREE S R.,  Mr. MANIKANTA B  Mr. MITHUN S</p>
16.	43S_BE_1921	<p><b>REMOVAL OF TOXIC METALS FROM THE INDUSTRIAL WASTE WATER BY USING ACTIVATED AGRICULTURAL WASTE</b></p> <p>COLLEGE: S.J.B. INSTITUTE OF TECHNOLOGY, BENGALURU  GUIDE: Dr. PRASAD C S M V  STUDENTS: Ms. POOJA VAISHNAVI C G  Ms. YASHASWINI D K  Ms. RASHMI S JALADI  Mr. CHINMAY URS V</p>
17.	43S_BE_1068	<p><b>STABILITY ANALYSIS OF SLOPES AT LANDSLIDE REGIONS OF MADIKERI</b></p> <p>COLLEGE: SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT , MANGALURU  GUIDE: Prof. HEMANTH PRABHU B.  STUDENTS: Ms. DEENA FRANCISCA DSOUZA  Ms. PRAJNA C BHANDARI  Mr. MUHAMAD ISMAIL S  Mr. PUNEETH T M</p>

18.	43S_BE_3689	<p><b>APPLICATION OF REMOTE SENSING AND GIS FOR LANDSLIDE VULNERABILITY ASSESSMENT AND REHABILITATION IN KODAGU DISTRICT, KARNATAKA</b></p> <p>COLLEGE: SAI VIDYA INSTITUTE OF TECHNOLOGY, BENGALURU  GUIDE: Prof. SREEKUMARY G  STUDENTS: Ms. K.N. RASHMI  Ms. PRATHISHA K S  Ms. S. KRISHNA  Mr. VIVEK C</p>
19.	43S_BE_2020	<p><b>STUDY OF STRUCTURAL BEHAVIOUR OF FLOATING COLUMN</b></p> <p>COLLEGE: THE NATIONAL INSTITUTE OF ENGINEERING, MYSURU  GUIDE: Dr. BALAJI N C  STUDENTS: Ms. KUMBLA ANUPA NAYAK  Ms. KANCHANA B N  Ms. K T JYOTHSNA  Mr. KIRAN KUMAR PATIL</p>
20.	43S_BE_0277	<p><b>EXPERIMENTAL INVESTIGATION OF SPHERICAL ROOF USING BAMBOO REINFORCEMENT</b></p> <p>COLLEGE: VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU  GUIDE: Dr. UMESHA P K  STUDENTS: Mr. NISHANTH  Mr. KARTHIK M P  Mr. MAHENDRA HALAMANDAGE</p>

## 5) COMPUTER SCIENCE AND ENGINEERING

SI. No.	PROJECT REFERENCE NO.	PROJECT
21.	43S_MSC_085	<p><b>NOVEL APPROACH FOR CROP PREDICTION BASED ON DIFFERENT PARAMETERS IN INDIAN REGIONS USING DATA MINING</b></p> <p>COLLEGE: CHRIST(DEEMED TO BE UNIVERSITY), BENGALURU  GUIDE: Dr. MANOHAR M  CO-GUIDE: Prof. MITHUN B.N.  STUDENT: Mr. ALBIN JOSEPH</p>
22.	43S_BE_3315	<p><b>DESIGN AND DEVELOPMENT OF A SENSOR BASED JACKET FOR WOMEN'S SAFETY USING IoT</b></p> <p>COLLEGE : G.S.S.S. INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, MYSURU  GUIDE: Prof. GURURAJ K S  STUDENTS: Ms. AISHWARYA C J  Ms. BHAVANA S  Ms. CHAITHRA M  Ms. ANUSHA R</p>

23.	43S_BE_2510	<p><b>AIR GESTURE INTERFACE FOR WHEELCHAIR MOTION AND HOME ACCESS</b></p> <p>COLLEGE: GLOBAL ACADEMY OF TECHNOLOGY, BENGALURU</p> <p>GUIDE: Dr. VENUGEETHA Y.</p> <p>STUDENTS: Mr. THANUSH R Ms. NITHYA B G Mr. THEJAS B K Mr. SANJAY S</p>
24.	43S_BE_1733	<p><b>AI ENABLED DISEASE DIAGNOSIS SYSTEM FOR GENETICALLY MODIFIED CROPS USING AUGMENTED REALITY AND CONVOLUTIONAL NEURAL NETWORK</b></p> <p>COLLEGE: JAIN COLLEGE OF ENGINEERING, BELAGAAVI</p> <p>GUIDE: Dr. K. DHANASEKARAN</p> <p>STUDENTS: Mr. TUSHAR S PATIL Ms. NUTAN PATIL Mr. JOHNSON J DSOUZA Ms. ANKITA T PAWAR</p>
25.	43S_BE_2405	<p><b>SMART VACCINE ALERT SYSTEM USING IOT AND QR-CODE TECHNOLOGIES</b></p> <p>COLLEGE: JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIVAMOGGA</p> <p>GUIDE: Dr. CHETAN K R</p> <p>STUDENTS: Ms. ARPITHA J A Ms. AMRUTHA M V Ms. BINDU N L Ms. MARELLA JESSICA</p>
26.	43S_BE_3931	<p><b>INTRUSION DETECTION SYSTEM</b></p> <p>COLLEGE: K.L.E. Dr. M.S. SHESHGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY, BELAGAAVI</p> <p>GUIDE: Prof. U. V. SOMANATTI</p> <p>STUDENTS: Mr. SUDARSHAN BHAT Mr. ROHIT JADHAV Ms. MADALSA BHAT Ms. BHOOMIKA HADAGALI</p>
27.	43S_BE_3876	<p><b>GENERATION OF PHOTO REALISTIC IMAGES USING GAN AND SPADE</b></p> <p>COLLEGE: MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRE</p> <p>GUIDE: Dr. VENKATRAMANA BHAT P</p> <p>STUDENTS: Mr. ADARSH KRISHNA REVANKAR Ms. AKSHAYA M Mr. DOGRA JAGTAMBA PRASAD SHUBHAM</p>

28.	43S_BE_1256	<b>EYE IN THE SKY</b> COLLEGE: St. JOSEPH ENGINEERING COLLEGE, MANGALURU GUIDE: Ms. VIJETHA U STUDENTS: Mr. SUSHAN SAPALIGA Mr. PRINCY PAUL DSILVA Mr. RACHEL PINTO Ms. S B SHUBHA
29.	43S_BE_1482	<b>SMART VEHICLE FOR SAFE AND SECURE TRANSFER</b> COLLEGE: VEMANA INSTITUTE OF TECHNOLOGY, BENGALURU GUIDE: Mrs. VEENA.G STUDENTS: Ms. BINDHYA REDDY N V Ms. BHARGAVI B Ms. GEETHA R Ms. HARSHITHA M N

## 6) ELECTRICAL AND ELECTRONICS ENGINEERING

Sl. No.	PROJECT REFERENCE NO.	PROJECT
30.	43S_BE_3284	<b>3D PRINTING USING RECYCLED FILAMENT</b> COLLEGE: A.T.M.E. COLLEGE OF ENGINEERING, MYSURU GUIDE: Mr. SATHISH K R STUDENTS: Mr. MOHAMMED ASSIM Ms. POOJA H Mr. PRASHANTH B Ms. SRINIDHI D S
31.	43S_BE_0876	<b>AADHAAR ENABLED AUTOMATED RATION DISTRIBUTION FOR REMOTE PLACES</b> COLLEGE: A.T.M.E. COLLEGE OF ENGINEERING, MYSURU GUIDE: Mr. SATHISH K. R. CO-GUIDE: Mr. SHREESHAYANA R STUDENTS: Ms. PALLAVI K R Ms. MONICA R Mr. AMRUTESH H K Mr POORNACHANDRASAGAR N
32.	43S_BE_0183	<b>PERFORMANCE ANALYSIS OF HYBRID-BICYCLE</b> COLLEGE: K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI GUIDE: Mr. MALLIKARJUN G HUDEDMANI STUDENTS: Mr. MOHAMMAD HASHMI U MIRAJKAR Mr. ANURAG S TELGAR Ms. RAKSHITA S RAMANAGOUDRA Ms. SANA M MUJAHID

33.	43S_BE_2801	<p><b>SOLAR BASED AGRI ROBOT</b></p> <p>COLLEGE: Smt. KAMALA AND SRI VENKAPPA M. AGADI COLLEGE OF ENGINEERING AND TECHNOLOGY, LAXMESHWAR</p> <p>GUIDE: Prof. BASAVARAJ BANKAR</p> <p>STUDENTS: Mr. VISHWANATH S NARAPPANAVAR Mr. FAHEEMAKTHAR DANDIN Mr. AKSHAY BHOOSANURMATH Mr. SAGAR HOTTI</p>
34.	43S_BE_1526	<p><b>A SIMPLE HIGH EFFICIENCY SOLAR WATER PURIFICATION SYSTEM</b></p> <p>COLLEGE: TONTADARAYA COLLEGE OF ENGINEERING, GADAG</p> <p>GUIDE: Prof. J. G. SHIVANAGUTTI</p> <p>STUDENTS: Mr. SHIVARAJ. B. HIREMATH Ms. PREETI. R. SHETTAR Mr. PRAVEEN. R. TONNE Ms. AISHWARYA. S. SAJJAN</p>
35.	43S_BE_0280	<p><b>SOLAR POWERED INDUCTION STOVE</b></p> <p>COLLEGE: VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU</p> <p>GUIDE: Prof. RAGHUNATH M J</p> <p>STUDENTS: Mr. DIMANTH G S Mr. SUNIL B Ms. DHANYASHREE D M Mr. PURUSHOTHAM C N</p>

## 7) ELECTRONICS AND COMMUNICATION ENGINEERING

Sl. No.	PROJECT REFERENCE NO.	PROJECT
36.	43S_BE_2718	<p><b>LIFESAVING SYSTEM FOR ROAD ACCIDENTS</b></p> <p>COLLEGE: B.M.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BENGALURU</p> <p>GUIDE: Mrs. MAMATHA K R</p> <p>STUDENTS: Mr. ANANTH S BHAT Mr. ADITYA N RAO Mr. ANUBHAV</p>
37.	43S_BE_0979	<p><b>TECH AVENUE</b></p> <p>COLLEGE: COORG INSTITUTE OF TECHNOLOGY, PONNAMPET</p> <p>GUIDE: Mrs. DECHAKKA M P</p> <p>STUDENTS: Mr. RIZWAN M A Ms. VAISHNAVI P N</p>
38.	43S_MTECH_082	<p><b>SPEECH RECOGNITION USING ROBOTIC VEHICLE WITH REGIONAL LANGUAGE</b></p> <p>COLLEGE: G.S.S.S. INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, MYSURU</p> <p>GUIDE: Dr. S PADMASHREE</p> <p>STUDENT: Ms. POOJA M</p>



39.	43S_BE_2198	<p><b>SKILLED AGRIBOT USING SOLAR PANEL</b></p> <p>COLLEGE: GODUTAI ENGINEERING COLLEGE FOR WOMEN, KALABURAGI</p> <p>GUIDE: Ms. ABHILASHA A PATIL</p> <p>STUDENTS: Ms. SUSHMEETA Ms. SUSHMA Ms. SWETHA SHEBHA</p>
40.	43S_BE_0461	<p><b>VILLAGE WATER AND AIR QUALITY MONITORING SYSTEM</b></p> <p>COLLEGE: HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI</p> <p>GUIDE: Prof. P V PATIL</p> <p>STUDENTS: Mr. GANGADHAR GIRGAVE Mr. AKSHAY POWAR Mr. MAHAMMADMOUSEEN A RANGAPUR Ms. SUPREETA DUNDAPPA HIRAPPAGOL</p>
41.	43S_BE_3728	<p><b>LINE FOLLOWER SMART DUSTBIN</b></p> <p>COLLEGE: K.L.E. COLLEGE OF ENGINEERING AND TECHNOLOGY, CHIKKODI</p> <p>GUIDE: Prof. VANITA D. ABBIGERI</p> <p>STUDENTS: Ms. PRIYANKA V. JANAMATTI Ms. MANISHA S. MIRJE Ms. SNEHA V. UNDRI Ms. SOUMYA S. DINNIMANI</p>
42.	43S_BE_1423	<p><b>RASPBERRY PI - BASED ASSISTANCE SYSTEM FOR THE VISUALLY IMPAIRED</b></p> <p>COLLEGE: K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU</p> <p>GUIDE: Mr. RAVIKIRAN B.A.</p> <p>STUDENTS: Mr. NISHITH K VASISHTA Ms. SHRILAKSHMI S NEGINAHAL Mr. SUHAS S Mr. SUNIL KUMAR S</p>
43.	43S_BE_3881	<p><b>INTELLIGENT WIPER SYSTEM FOR VEHICLES</b></p> <p>COLLEGE: MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRE</p> <p>GUIDE: Mr. DONY A. D'SOUZA</p> <p>STUDENTS: Mr. ARUN KUMAR Mr. PRASAD Mr. SUMAN P.N. Mr. VISHWANATHA J</p>
44.	43S_BE_3960	<p><b>ADVANCED IoT SOLUTIONS TO MONITOR UNDERPASS WATER LOGGING</b></p> <p>COLLEGE: NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU</p> <p>GUIDE: Dr. M. JAYANTHI</p> <p>STUDENTS: Mr. SHRIPAD AITHAL Ms. SINDHU C R Mr. RUSHAB Mr. AKSHAY RAO</p>

45.	43S_BE_4035	<b>SMART SELF-BALANCING 2 WHEELER FOR SAFETY DRIVE</b> COLLEGE: RAJIV GANDHI INSTITUTE OF TECHNOLOGY, BENGALURU GUIDE: Dr. D G ANAND STUDENTS: Mr. ROHITH B R Ms. HARSHITHA J Ms. RACHANA RAJESH Ms. TEJASWINI HIREMATH
46.	43S_BE_1967	<b>AUTOMATIC LAKE CLEANING AND SURVEILLANCE BOAT</b> COLLEGE: S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA GUIDE: Prof. RAVI M V STUDENTS: Mr. AKASH M Mr. BHARATH G Mr. CHANDRASHEKARA S Mr. SANDEEP S
47.	43S_BE_1125	<b>BATTERY MANAGEMENT SYSTEM USING MACHINE LEARNING</b> COLLEGE: SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT , MANGALURU GUIDE: Dr. ASHWATH RAO STUDENTS: Mr. JOHN K THOMAS Mr. CHAVAN GOWDA Mr. HANCY ROHAN CRASTA Mr. KAUSTHUBHA K
48.	43S_BE_0745	<b>MIRRO-COOL SMART MIRROR</b> COLLEGE: YENEPOYA INSTITUTE OF TECHNOLOGY, MOODABIDRE GUIDE: Mr. AUSTIN PAIS STUDENTS: Mr. ADARSHA SUVARNA Mr. AKASH S SHETTY Ms. HEISARKI PHAWA Mr. VIPUL KUMAR

## 8) ELECTRONICS AND INSTRUMENTATION ENGINEERING

SI. No.	PROJECT REFERENCE NO.	PROJECT
49.	43S_BE_2331	<b>AUTOMATE RESCUE OPERATION MACHINE FOR CHILD USING LAB VIEW</b> COLLEGE: P.D.A. COLLEGE OF ENGINEERING, KALABURAGI GUIDE: Dr. CHANNAPPA BHYRI STUDENTS: Mr. RAHUL PAWAR Mr. CHANDAN J N Mr. BASAVAKIRAN. M. S Mr. OMKAR

## 9) ENVIRONMENTAL ENGINEERING

Sl. No.	PROJECT REFERENCE NO.	PROJECT
50.	43S_MTECH_013	<b>FEASIBILITY STUDY OF ANAEROBIC CO-DIGESTION OF ORGANIC FRACTIONS OF MUNICIPAL SOLID WASTE WITH WASTEWATER SLUDGE FOR ENHANCED BIOGAS PRODUCTION</b> COLLEGE: UNIVERSITY B.D.T. COLLEGE OF ENGINEERING, DAVANAGERE GUIDE: Dr. K M SHAMSUNDAR STUDENT: Ms. MEENAKSHI H R

## 10) INFORMATION SCIENCE AND ENGINEERING

Sl. No.	PROJECT REFERENCE NO.	PROJECT
51.	43S_BE_1455	<b>INTELLIGENT HEXAPOD SYNCHRONIZED WASTE COLLECTION SYSTEM</b> COLLEGE: BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE GUIDE: Mr. CHANDAN V CO-GUIDE: Mr. SHEIK IMRAN STUDENTS: Mr. GAGAN R SHETTY Mr. AMITH P VERNEKAR Ms. DIVYA D PALANKAR Mr. NIKHIL H V
52.	43S_BE_2990	<b>IDENTIFICATION OF GENDER OF SILKWORM USING IMAGE PROCESSING</b> COLLEGE: DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT, BENGALURU GUIDE: Dr. M KUSUMA STUDENTS: Mr. A H RAVI KIRAN Mr. KIRAN KG Mr. M SHASHANK REDDY Ms. MALLELA YASHWANTH SAI
53.	43S_BE_2710	<b>ಕೃಷಿ ಕೈಗಾರಿಕಾ ಯಂತ್ರ - BLUETOOTH EMBEDDED ROBOTIC WITH AGRICULTURE PLOWING, SEEDING AND GRASS CUTTING POWERED BY SOLAR ENERGY</b> COLLEGE: NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU GUIDE: Mrs. A.RAFEGA BEHAM CO-GUIDE: Dr. R.J.ANANDHI STUDENTS: Ms. MANISHA SAMAL Ms. SAKTHI SRIDEVI Ms. ASHA K

54.	43S_BE_3973	<p><b>PREDICTING THE THEFT OF LAPTOP AND OFFLINE TRACKING SYSTEM FOR LAPTOP</b></p> <p>COLLEGE: SAHYADRI COLLEGE OF ENGG., AND MGMT., MANGALURU  GUIDE: Mrs. AKHILA THEJASWI R  STUDENTS: Ms. PRATIKSHA VINOD PRABHU  Ms. MOULYA  Ms. SHARADHI NAGESH BHAT  Ms. VARSHA K.V.</p>
55.	43S_BE_3290	<p><b>AN AUTOMATED FOODWAY TRACK RESTAURANT</b></p> <p>COLLEGE: THE OXFORD COLLEGE OF ENGINEERING, BENGALURU  GUIDE: Mr. AMARESHA  STUDENTS: Ms. RABYA SUROOR  Ms. SAHANA L  Ms. S PREETHI  Ms. SANGEETHA U HOTTIGOUDRA</p>
56.	43S_BE_4012	<p><b>SELF-WOUND ANALYSIS USING ARTIFICIAL INTELLIGENCE AND IMAGE PROCESSING</b></p> <p>COLLEGE: VIVEKANANDA INSTITUE OF TECHNOLOGY, BENGALURU  GUIDE: Prof. SELVI M  STUDENTS: Mr. K HARIESHA  Mr. BALAJI V  Ms. MAMATHA R  Ms. IMPANA L A</p>

## 11) INTERDISCIPLINARY (EEE & ECE)

SI. No.	PROJECT REFERENCE NO.	PROJECT
57.	43S_BE_3055	<p><b>DESIGN AND IMPLEMENTATION OF SMART SHOPPING BASKET</b></p> <p>COLLEGE: SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU  GUIDE: Mr. PRUTHVIRAJ B G  CO-GUIDE: Mr. ARJUN KUMAR G B  STUDENTS: Ms. MEDHINI B HEGDE  Mr. MOHANA I N  Mr. SAI DHANUSH S  Mr. PUNIT KUMAR</p>

## 12) MASTER OF BUSINESS ADMINISTRATION

SI. No.	PROJECT REFERENCE NO.	PROJECT
58.	43S_MBA_005	<p><b>STUDY OF RUCO MODEL OF FSSAI FOR UCO AGGREGATION IN THE STATE</b></p> <p>COLLEGE: NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU  GUIDE: Dr. S HARISH BABU  CO-GUIDE: Dr. SHILPA AJAY  STUDENTS: Ms. SUNIDHI P NAIK  Ms. T. THEJU  Mr. PAVAN Y C  Ms. UJWAL MASCARENHAS</p>

59.	43S_MBA_015	<p><b>RAIN WATER HARVESTING AN ECONOMIC ANALYSIS</b></p> <p>COLLEGE: SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU</p> <p>GUIDE: Dr. VIDYAVATHI K</p> <p>STUDENTS: Mr. BHAGAWANDAS. K Mr. CHETHAN GOWDA Mr. DHEERAJ M Mr. NANDEESH HEGDE</p>
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### 13) MECHANICAL AND MANUFACTURING ENGINEERING

SI. No.	PROJECT REFERENCE NO.	PROJECT
60.	43S_BE_2324	<p><b>DESIGN, FABRICATION AND TESTING OF A HEAT PIPE AND TROUGH COLLECTOR INTEGRATED EVACUATED TUBE SOLAR WATER HEATER</b></p> <p>COLLEGE: M.S. RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU</p> <p>GUIDE: Dr. ANANTH S. IYENGAR</p> <p>CO-GUIDE: Mr. PAVAN KUMAR REDDY</p> <p>STUDENTS: Mr. MOHAN RAJ Mr. AMARTHYA KASHYAP Mr. ASHRITH K. SHETTY Mr. KEERTHI GOWDA M. C</p>

### 14) MECHANICAL ENGINEERING

SI. No.	PROJECT REFERENCE NO.	PROJECT
61.	43S_BE_3083	<p><b>DEVELOPMENT OF SONIC FIRE EXTINGUISHER USING DISRUPTING PHENOMENA WITH WAVES</b></p> <p>COLLEGE: ATRIA INSTITUTE OF TECHNOLOGY, BENGALURU</p> <p>GUIDE: Prof. VIJAYAKUMAR S TOTAD</p> <p>STUDENTS: Mr. VINOD KUMAR R Mr. KISHORE V S</p>
62.	43S_BE_2730	<p><b>DESIGN AND DEVELOPMENT OF REUSABLE INFLATABLE AIR BAG SAFETY HELMET FOR TWO WHEELERS AND IT'S COMMUNICATION SYSTEM FOR CRASH LOCATION</b></p> <p>COLLEGE: B.M.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BENGALURU</p> <p>GUIDE: Mr. PRAVEEN KUMAR</p> <p>STUDENTS: Mr. VIGENSH.N Mr. SAMARTH SAGAR K Mr. RUSHIL PRAVEEN</p>

63.	43S_BE_1441	<p><b>IOT BASED HYDROPONICS SYSTEM FOR AGRICULTURAL PLANTS</b></p> <p>COLLEGE: BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE</p> <p>GUIDE: Prof. D.E UMESH</p> <p>CO-GUIDE: Dr. K SADASHIVAPPA</p> <p>STUDENTS: Mr. AMARESH Mr. ADITYA APPANAVAR Mr. AMOL S N Mr. SUNILKUMAR N</p>
64.	43S_BE_4021	<p><b>MULTI PURPOSE CROP CUTTING MACHINE</b></p> <p>COLLEGE: BASAVAKALYAN ENGINEERING COLLEGE, BASAVAKALYAN</p> <p>GUIDE: Prof. PRAVEEN BELIKIRE</p> <p>STUDENTS: Mr. UMESH MURME Mr. AJAY Mr. MAHESH</p>
65.	43S_BE_2239	<p><b>THERMAL DEPOLYMERISATION OF PLASTIC TO CRUDE OIL</b></p> <p>COLLEGE: EAST WEST INSTITUTE OF TECHNOLOGY, BENGALURU</p> <p>GUIDE: Mrs. ANNAPOORNA K</p> <p>STUDENTS: Mr. AKASH S RAI Mr. ABHIJITH A A Mr. JAYANTH B Mr. SYED SAFEER</p>
66.	43S_BE_0481	<p><b>MIXED MODE SOLAR CABINET DRIER</b></p> <p>COLLEGE: HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI</p> <p>GUIDE: Prof. M. M. SHIVASHIMPI</p> <p>STUDENTS: Mr. SAIKUMAR GADAG Mr. ROHAN CHATE Mr. PRASHANT BELAGALI</p>
67.	43S_BE_3120	<p><b>DESIGN AND FABRICATION OF ONION DETOPPER AND GRADING MACHINE</b></p> <p>COLLEGE: JAIN INSTITUTE OF TECHNOLOGY, DAVANGERE</p> <p>GUIDE: Mr. BASAVARAJ M HARANAGIRI</p> <p>STUDENTS: Mr. MOHAMMED UMAIR A Mr. NAHID AHAMED N Ms. RIZWANA BANU Mr. MOHAMMED TOUFEEQ</p>
68.	43S_BE_0168	<p><b>DESIGN AND FABRICATION OF PLUCKING AND BUNDLING OF GREEN LEAFY VEGETABLES</b></p> <p>COLLEGE: K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI</p> <p>GUIDE: Mr. NAGESH S GANI</p> <p>STUDENTS: Ms. JYOTI SHANKARAPPA SAJJAN Mr. SHRINATH HADIMANI Ms. KAVYA P GABBUR Mr. DEEPAK M. YADAHALLI</p>

69.	43S_BE_1307	<p><b>DESIGN AND FABRICATION OF SOLID WASTE COLLECTOR AND WATER DE-FROTHING DEVICE</b></p> <p>COLLEGE: K.S. INSTITUTE OF TECHNOLOGY, BENGALURU</p> <p>GUIDE: Prof. UMASHANKAR M</p> <p>STUDENTS: Mr. M VENKATESH KASHYAP Mr. ASHWIN MAIYA M Mr. HARSHITH S Mr. MANOJ R</p>
70.	43S_BE_1019	<p><b>REMOTE OPERATED ARECANUT PLUCKING AND SPRAYING MACHINE</b></p> <p>COLLEGE: MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRE</p> <p>GUIDE: Mr. PURANDARA NAIK</p> <p>CO-GUIDE: Mr. BHANUPRAKASH H S</p> <p>STUDENTS: Mr. PRAMITH SHETTY Mr. VENKATESH PRABHU N Mr. RAKESH Mr. ASHWIN K</p>
71.	43S_BE_0710	<p><b>OPTIMIZATION OF ENGINE PARAMETERS FOR A IMPROVED PERFORMANCE OF CI ENGINE USING COTTON SEED BIODIESEL AS AN ALTERNATE FUEL</b></p> <p>COLLEGE: P.D.A. COLLEGE OF ENGINEERING, KALABURAGI</p> <p>GUIDE: Dr. M. C. NAVINDGI</p> <p>STUDENTS: Ms. AKSHATA N. M Mr. AKASH Mr. CHETAN Mr. AKASH BIRADAR</p>
72.	43S_BE_2173	<p><b>SELF-POWER GENERATING SYSTEM IN ELECTRIC VEHICLES</b></p> <p>COLLEGE: P.D.A. COLLEGE OF ENGINEERING, KALABURAGI</p> <p>GUIDE: Dr. PRAVIN HONGUNTIKAR</p> <p>STUDENTS: Mr. SHARANKUMAR V PATIL Mr. YOGESH Mr. SANTOSH MALLAPPA Mr. H VISHWANATH REDDY</p>
73.	43S_BE_3064	<p><b>DESIGN AND DEVELOPMENT OF AN AUTONOMOUS UNMANNED SOLAR POWERED GLIDER FOR SUSTAINED FLIGHT; SAR MISSIONS AND BORDER PATROLLING</b></p> <p>COLLEGE: RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU</p> <p>GUIDE: Dr. SUNITH BABU L</p> <p>STUDENTS: Mr. ABHAY A MULGUND Mr. ARYAMAN BANSAL Mr. NISHAN MOHANTY Mr. RISHAB RAJIV</p>

74.	43S_BE_1182	<p><b>DESIGN AND DEVELOPMENT OF DRONE FOR SPRAYING PESTICIDES TO ARECANUT TREES</b></p> <p>COLLEGE: SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT , MANGALURU</p> <p>GUIDE: Prof. AJITH B S</p> <p>STUDENTS: Mr. ABDUL SHAMEER Ms. SHAKSHI KUMARI Mr. ABDUL RAHMAN AUF Mr. SHANKER R KUMAR</p>
75.	43S_BE_3354	<p><b>ARTIFICIAL LEG MECHANISM FOR ABOVE KNEE AMPUTEES</b></p> <p>COLLEGE: SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU</p> <p>GUIDE: Dr. MAHADEVASWAMY P</p> <p>STUDENTS: Mr. PRAJWAL ASHOK NAIK Mr. LOKESH M Mr. SATHISHA U T Mr. PRAVEEN M</p>
76.	43S_BE_2007	<p><b>DESIGN AND DEVELOPMENT OF MODULAR REVERSING SYSTEM IN SCOOTER FOR PHYSICALLY CHALLENGED</b></p> <p>COLLEGE: SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI</p> <p>GUIDE: Mr. RAVINARAYAN R RAO</p> <p>STUDENTS: Mr. DHANUSH Mr. ABHISHEK Mr. ASHWIN M Mr. DEEPAK ACHAR</p>
77.	43S_BE_1340	<p><b>VALUE ADDITION TO BIO-FUEL BY-PRODUCTS</b></p> <p>COLLEGE: SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU</p> <p>GUIDE: Mr. CHANDRAPRASAD B S</p> <p>CO-GUIDE: Mr. VENKATESHREDDY D M</p> <p>STUDENTS: Mr. KALLESH S Mr. DARSHAN REDDY V Mr. E R AJAY KIESHORE Mr. HARSHITH C C</p>
78.	43S_BE_1274	<p><b>DESIGN AND FABRICATION OF COMBINED WHEELCHAIR AND BED</b></p> <p>COLLEGE: St. JOSEPH ENGINEERING COLLEGE, MANGALURU</p> <p>GUIDE: Mr. YATHISH KUMAR</p> <p>CO-GUIDE: Dr. BINU K. G.</p> <p>STUDENTS: Mr. PREETHAM ANTHONY D ALMEIDA Mr. NAVEEN G CHALWADI Mr. PARAMVIR SINGH CHAMBYAL Mr. RION FRANCIS PINTO</p>



79.	43S_BE_3500	<p><b>DESIGN AND FABRICATION OF RUBBER TAPING MACHINE</b></p> <p>COLLEGE: VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR</p> <p>GUIDE: Prof. AJITH K</p> <p>STUDENTS: Mr. SHASHANKA RAI Mr. PRAJWAL KUMAR SHETTY Mr. SANJAN RAI N P Mr. SRIJAN P</p>
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## 15) MECHATRONICS

SI. No.	PROJECT REFERENCE NO.	PROJECT
80.	43S_BE_2644	<p><b>INTELLICOOK- A ROBOTIC CHEF</b></p> <p>COLLEGE: ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU</p> <p>GUIDE: Prof. BHAGIRATHI BAI V.</p> <p>STUDENTS: Mr. GAGAN N REDDY Mr. MITHUN R Mr. HEMANTH N Mr. WILLIAM THOMAS</p>

## 16) TELECOMMUNICATION ENGINEERING

81.	43S_BE_0125	<p><b>SAHARA - MEANS OF COMMUNICATION BETWEEN VISUAL, HEARING AND SPEECH IMPAIRED INDIVIDUALS</b></p> <p>COLLEGE: DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU</p> <p>GUIDE: Dr. A.R. ASWATHA</p> <p>STUDENTS: Mr. VIGNESH S UPADHYA Mr. RISHIK A SUNADOLI Mr. SRIPAD ARUNKUMAR WAGDARIKAR Mr. SUMUKHA BANGALORE LOKESH</p>
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## 17) TEXTILE TECHNOLOGY

82.	43S_BE_4168	<p><b>STUDIES ON PROPERTIES OF WOVEN FABRICS PRODUCED FROM RECYCLED COTTON YARN OF DIFFERENT COUNTS</b></p> <p>COLLEGE: BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE</p> <p>GUIDE: Dr. S N RAMESH</p> <p>CO-GUIDE: Mr. MAHESH C PATEL</p> <p>STUDENTS: Mr. NIKHIL M S Mr. BASAVANAGOWDA G S Mr. SHIVAKUMAR H D Ms. HARSHEETHA E</p>
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