

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

**PROJECTS AWARDED UNDER THE 45th SERIES OF STUDENT PROJECT
PROGRAMME: 2021 – 2022**

**BEST PERFORMING COLLEGE AWARD: “SRI SAIRAM COLLEGE OF
ENGINEERING, ANEKAL, BENGALURU”**

BEST PROJECTS OF THE YEAR:

SEMINAR PROJECTS

AUTOMOBILE ENGINEERING

1) ROBOTIC ARM INSTALLED FRUIT PLUCKING UAV- BASED ON AI

- SRINIVAS INSTITUTE OF TECHNOLOGY, MANGALURU

GUIDE(S) : Mr. SRINIDHI KUKKILA

STUDENT(S) : Ms. NAVNEET SONI, Mr. NAVEEN KUMAR T M and Mr. VARDHAMAN R VASAWADE

BIOTECHNOLOGY

2) CLONING AND EXPRESSION OF LIPASE AS A BIOCATALYST FOR BIODIESEL PRODUCTION

- B.V.V. SANGHA'S BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT

GUIDE(S) : Dr. BHARATI METI and Prof. SHILPA JIGAJINNI

STUDENT(S) : Ms. SHREYA SATYANARAYAN BHAT and Ms. SPOORTHI R KULKARNI

**3) STUDYING THE CRITICAL ASSOCIATION OF OMICRON SPIKE PROTEIN WITH HUMAN ACE2
PROTEIN: APPROACH TO DEVELOP QUINOLINE DERIVATIVES AND NOVEL PEPTIDES AS
ANTIMICROBIAL AGENT**

- DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Dr. N RAJESWARI and Dr. HEMAKUMAR C

STUDENT(S) : Ms. SPOORTHI N, Ms. MITALI V SHETTY and Ms. V SHRISTI SHARMA

CHEMICAL ENGINEERING

**4) ADSORPTION STUDIES ON IMMOBILIZED CHITOSAN AND POLYANILINE COATED CHITOSAN AS
BIOSORBENT MATERIAL FOR REMOVAL OF CHROMIUM FROM EFFLUENTS**

- DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Mr. MAHESH KUMAR SHETTY

STUDENT(S) : Mr. MAYURAKRISHNA R, Mr. VINEET JHA, Mr. SITHANSHU M and Mr. SUJAN BHARANI

CHEMISTRY

**5) CUO-GRAPHENE / CU-GO NANOCOMPOSITES AS A POTENTIAL CATALYST FOR FUEL CELL
APPLICATIONS**

- RANI CHANNAMMA UNIVERSITY, BELAGAVI

GUIDE(S) : Dr. P. M. GURUBASAVARAJ

STUDENT(S) : Mr. MANSOORA MOMIN, Ms. LAXMI MADAWALI and Mr. DILSHAD MULLA

CIVIL ENGINEERING

6) RECLAMATION AND REUSE OF GREYWATER BY CONSTRUCTION OF WETLANDS

- B.V.V. SANGHA'S BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT

GUIDE(S) : Prof. S.M. KALAGUDI and Dr. P.G. RAKARADDI

STUDENT(S) : Mr. RAGHAV R BHATTAD, Ms. VEDA PATIL, Mr. IZAZAHMED MAKUTMSAB BALIKAI and
Mr. MANJUNATH B LUTIMATH

7) DEFLUORIDATION OF GROUNDWATER BY MODIFIED MORINGA SEEDS

- CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, TUMAKURU

GUIDE(S) : Ms. RAMYA H N

STUDENT(S) : Mr. KIRAN B, Mr. SAJJAN K S, Ms. AMBIKA N S and Ms. BHOOMIKA T

8) COMPOSITE TILES

- G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE

GUIDE(S) : Mr. PUTTARAJ M H

STUDENT(S) : Mr. AMARNATH SWAMY S M, Ms. DEVIKA HEBBAL, Mr. HANUMANTHA GOWDA M and Mr. HEMANTH M AMBEDKAR

9) DEWEEDING IN PONDS BY CHEMICAL TREATMENT: A CASE STUDY

- S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA

GUIDE(S) : Ms. BHAVYA S

STUDENT(S) : Ms. HAMSHITHA D, Ms. HARSHITHA E, Mr. GIRISH A and Mr. JEETENDRA KUMAR YADAV

10) TREATMENT OF SULLAGE WATER USING TAMARIND SEED POWDER AS COAGULANT USING COAGULANT PROCESS

- SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI

GUIDE(S) : Ms. DEEPIKA B V

STUDENT(S) : Mr. SHOUKATH ALI K H, Ms. VRANDANA K G and Ms. KRIPA SHETTY H

COMPUTER SCIENCE AND ENGINEERING

11) EXPERIMENTAL EVALUATION OF SECURE FAULT-TOLERANT SENSOR NETWORK COMMUNICATION PERFORMANCE

- MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL

GUIDE(S) : Mr. RADHAKRISHNA BHAT

STUDENT(S) : Ms. PAVITHRA NAYAK K

12) IOT BASED TOLL COLLECTION SYSTEM USING RFID

- P.D.A. COLLEGE OF ENGINEERING, KALABURAGI

GUIDE(S) : Ms. SHRIDEVI SOMA

STUDENT(S) : Ms. SNEHA and Ms. VIJAYALAXMI

13) AUTOMATED PROCTORING SYSTEM TO DETECT ANOMALOUS BEHAVIOUR IN E-LEARNING DURING TIMES OF CRISIS

- DON BOSCO INSTITUTE OF TECHNOLOGY, BENGALURU

GUIDE(S) : Dr. MANJUNATHSWAMY B E

STUDENT(S) : Mr. RANJEET RATHOD, Mr. PADMARAJ D MANAGAVE, Mr. RAKSHITH GOWDA R and Mr. KARTHIK S SAGAR

14) RETURN PATH NAVIGATION

- REVA UNIVERSITY, BENGALURU

GUIDE(S) : Prof. HARSHINI R

STUDENT(S) : Mr. SAMARTH D VALMIKI, Mr. RAGHAVENDRA A, Mr. HITENDRA SAI KUMAR and Mr. R HEMANTH KUMAR

15) PREDICTION OF CARDIOVASCULAR DISEASE

- VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU

GUIDE(S) : Dr. RAMAKRISHNA HEGDE

STUDENT(S) : Ms. SHREE RAKSHA G M, Ms. SHIVANI M N, Ms. SHRINIDHI P S and Ms. THASHWIN MONNAPPA M M

INFORMATION SCIENCE AND ENGINEERING

16) VIDEO TO TEXT SUMMERIZATION USING NEURAL NETWORKS

- A.P.S. COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Ms. PALLAVI H B

STUDENT(S) : Mr. A BALAJI, Ms. BHAVANA R, Ms. VARUNA T S and Ms. PAVITHRA D

17) AI BASED PROCTORING SYSTEM FOR ONLINE TESTS

- B.G.S. INSTITUTE OF TECHNOLOGY, MANDYA

GUIDE(S) : Mrs. VIDHYA S G

STUDENT(S) : Ms. VANDANA, Ms. HEMA, Ms. JEEVITHA M D and Ms. NISCHITHA K B

ENVIRONMENTAL ENGINEERING

18) BIO-DEGRADATION OF PLASTIC USING GREATER WAX MOTH (GALLERIA MELLONELA)

- J.S.S. SCIENCE AND TECHNOLOGY UNIVERSITY, MYSURU

GUIDE(S) : Dr. PUSHPA TUPPAD

STUDENT(S) : Ms. SHRAVANA S NARASANNAVAR

STRUCTURAL ENGINEERING

19) 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

GUIDE(S) : Dr. Y K GURUPRASAD

STUDENT(S) : Ms. MEGHASHREE L

ELECTRONICS AND COMMUNICATION ENGINEERING

20) IOT BASED REMOTE ELECTRONIC VOTING SYSTEM USING AADHAR AND DUAL BIOMETRIC AUTHENTICATION

- DR. AMBEDKAR INSTITUTE OF TECHNOLOGY, BENGALURU

GUIDE(S) : Dr. RANGASWAMY Y

STUDENT(S) : Mr. SURAJ H P, Mr. SKANDA G, Mr. SHOBITH G BHARAMSHETTY and Mr. SRIKANTH P S

21) DESIGN & SIMULATION OF 5G MULTIBAND ANTENNA WITH PHASE SHIFT OPERATION

- SHARNBASVA UNIVERSITY, KALABURAGI

GUIDE(S) : Ms. LAXMI and Ms. SHOBHANA

STUDENT(S) : Ms. PRATIKSHA, Ms. SHREYA RAWOOR, Ms. PRIYANKA and Ms. SAVITA

ELECTRONIC SCIENCE

22) 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

GUIDE(S) : Dr. H M MAHESH and Dr. BASAVARAJ ANGADI

STUDENT(S) : Mr. VINAY PRASAD S, Mr. ADARSH V N, Mr. GIRISH B DONI and Mr. NANDAKUMAR V

MECHANICAL ENGINEERING

23) 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

GUIDE(S) : Dr. GOWREESH SUBRAMANYA S and Ms. D. N. ROOPA

STUDENT(S) : Mr. KESHAVAMURTHY P S, Ms. RAMYASHREE.T, Ms. KAVYA B and Mr. MANOJ S

24) MODIFIED DESALINATION SYSTEM WITH WATER COOLED CONDENSER OPERATED BY THE SOLAR PV PANEL

- K.L.S. VISHWANATHRAO DESHPANDE INSTITUTE OF TECHNOLOGY, HALIYAL, UTTARA KANNADA

GUIDE(S) : Dr. SHANKAR N BADIGER

STUDENT(S) : Mr. GANESH AMATE, Mr. DARSHAN N ASTEKAR, Mr. DHEERAJ P BENACHEKAR and Mr. DILIP S GURAV

25) CONVERTING SCRAP VEHICLE TO AN LOW COST ECO FRIENDLY 2 WHEELER USING UNIVERSAL CONVERSION KIT

- MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOOBBIDRI

GUIDE(S) : Mr. SWAROOP

STUDENT(S) : Mr. GAGAN GUNAKAR, Mr. GIRISH, Mr. HASHEEL ISMAIL ABDUL RAHIMAN and Ms. MEGHA B H

26) DESIGN AND DEVELOPMENT OF HYDROGEN BASED DUAL FUEL SI ENGINE

- RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU

GUIDE(S) : Dr. ANANTH. S. IYENGAR

STUDENT(S) : Mr. PAVAN J GOWDA, Mr. RAKSHITH R, Mr. MANJUNATH and Mr. AKHILESH S

MECHANICAL ENGINEERING (BIOFUEL PROJECT)

27) 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

GUIDE(S) : Dr. RAVI KUMAR B N and Mr. CHETHAN S G

STUDENT(S) : Mr. SUMANTH S NADIG, Mr. NANDEESH H U, Mr. SHREYAS S and Mr. LOHITH V

28) DEVELOPMENT OF HETEROGENEOUS PHOTOCATALYTIC METHOD FOR BIODIESEL PRODUCTION

- SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU

GUIDE(S) : Dr. OMKARESH B.R. and Dr. H.S. LALITHAMBA

STUDENT(S) : Ms. SHASHWATA PATRA, Mr. SHAWN HRITHIK, Mr. SHIVAKUMAR H B and Mr. SHARATH U M

MECHATRONICS

29) SMART LPG CYLINDER MANAGEMENT SYSTEM USING CLOUD COMPUTING

- SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Mr. SARVESH ARABALLI

STUDENT(S) : Mr. BHUVAN H S, Mr. AJEETH A, Mr. VIKAS B and Mr. MAHESH S

MANUFACTURING SCIENCE AND ENGINEERING

30) EXPLORING THE OPTICAL CHARACTERIZATION OF CARBON NANOTUBES / REDUCED GRAPHENE OXIDE NANOPARTICLES DOPED WITH POLY VINYL ALCOHOL FOR OPTOELECTRONIC DEVICES AND PHOTONIC APPLICATIONS

- RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

GUIDE(S) : Dr. RAVEENDRA MELAVANKI and Dr. C SIDDARAJU

STUDENT(S) : Mr. S HARI KRISHNA

MARKETING

31) ENABLING VILLAGE CLUSTERS DEVELOPMENT THROUGH TECHNOLOGY INTERVENTION

- SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU

GUIDE(S) : Dr. C SOMASHEKAR and Dr. S PANNEERSELVAM

STUDENT(S) : Mr. KUSHAL KUMAR T V, Mr. LIKHITH M J, Ms. LIKHITHA J REDDY and Mr. MANJUNATHA K K

MASTER OF BUSINESS ADMINISTRATION

32) PARADIGM SHIFT IN WORK CULTURE DUE TO COVID 19 - AN EMPIRICAL STUDY IN DAKSHINA KANNADA

- VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR, DAKSHINA KANNADA

GUIDE(S) : Ms. JEEVITHA B V and Ms. RESHMA PAI A

STUDENT(S) : Ms. ANKITHA S, Mr. MANJUNATH H M, Ms. SHWETHA K and Mr. KRUTHAN B K

EXHIBITION PROJECTS

AERONAUTICAL ENGINEERING

33) HELIUM-ASSISTED HYBRID DRONE FOR FLIGHT TIME ENHANCEMENT

- DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Dr. SRIKANTH SALYAN and Prof. V YAMINI ANOOSHA

STUDENT(S) : Mr. MADHAN KUMAR, Mr. AJITH KUMAR S B, Mr. PRAMOD K and Mr. V SREEKANTH

BIOTECHNOLOGY

34) NOVEL BIOCOMPOSITE FILM MADE OF COLLAGEN EXTRACTED FROM TILAPIA FISH SKIN, TO TREAT OPEN WOUNDS IN ELDERLY

- DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Dr. BLESSY BABY MATHEW and Dr. ANANTHARAJU K. S.

STUDENT(S) : Ms. SUPRITHA M, Ms. HANISHA A, Ms. M JAHNAVI CHOWDHARY and Ms. R U SAKTHI

CHEMISTRY

35) DESIGN AND FABRICATION OF LITHIUM-ION BATTERY USING CURCUMIN ISOLATED FROM TURMERIC

- N.M.K.R.V. COLLEGE FOR WOMEN, BENGALURU

GUIDE(S) : Dr. ROOPA. D. L and Dr. VIJETH R. SHETTY

STUDENT(S) : Ms. ASHVINI. I.S and Ms. RAJITHA G V

CIVIL ENGINEERING

36) MODELLING OF LIGHTENING ARRESTING SYSTEM USING SOLAR PANELS AND HARVESTING THE ENERGY IN BATTERY AND UTILISING THE SAME FOR PRODUCTION OF ELECTRICITY

- DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Mrs. SUSHMA C K

STUDENT(S) : Mr. CHINTALA SAITEJA, Ms. ERAM SHAYUK, Ms. BHAVYASHREE N and Ms. BHAGYASHREE

37) DIGITAL DOCUMENTATION AND PRESERVATION OF HERITAGE STRUCTURE USING REVERSE ENGINEERING.

- DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Prof. NEETHU URS

STUDENT(S) : Mr. SUHAS M, Mr. PRITHVI N PRABHU, Ms. PRERANA J P and Mr. VIKAS K T

38) FABRICATION AND EXPERIMENTAL INVESTIGATIONS OF LOW-COST MULTIPURPOSE DISMOUNTABLE BAMBOO GEODESIC DOME

- SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU

GUIDE(S) : Ms. ROOPA M

STUDENT(S) : Mr. SRIRAKSHA R DAS, Ms. SANJANA M, Ms. THUNGASHREE B S and Mr. PAVAN H S

COMPUTER SCIENCE AND ENGINEERING

39) EYE-MOVE - AN EFFICIENT EYE-TYPING APPLICATION

- B.M.S. COLLEGE OF ENGINEERING, BULL TEMPLE ROAD, BENGALURU

GUIDE(S) : Dr. SHYAMALA G

STUDENT(S) : Mr. CHANDAN C BAGAN, Mr. ABHAYA V, Mr. AKSHAY S BHARADWAJ and Mr. DHANRAJ K

40) HUMAN POSE ESTIMATION IN FITNESS TRACKING AND GUIDANCE

- DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Mr. RAVICHANDRA H

STUDENT(S) : Ms. P CHARITH, Mr. K R ROHIT SRIVATSA, Mr. PRAJWAL KUMAR B R and Ms. NIHARIKA D

41) TRAINING JUNIOR DOCTORS USING VR

- NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU

GUIDE(S) : Ms. S TRISHEELA and Dr. SAROJADEVI H

STUDENT(S) : Ms. ALISHA AHMED and Ms. GAGANA M

42) FACE DETECTION AND MONITORING IN MULTIPLE SURVEILLANCE FOOTAGE USING CONVOLUTIONAL NEURAL NETWORK (CNN)

- SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Dr. GURURAJ MURTUGUDDE

STUDENT(S) : Mr. HARSH P KAVATEKAR, Mr. ADITYA SHARMA R and Mr. ARUNA KUMAR

43) EDUVISTA 2.0 "THE FUTURE WAY OF LEARNING"

- SRI SAIRAM COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Dr. B. SHADAKSHARAPPA

STUDENT(S) : Mr. SHIVANSH KUMAR P, Mr. ADITHYA PRABHU A and Ms. SAHANA N

44) LAKE CLEANING ROBOT

- SRI SAIRAM COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Prof. MALA B A and Prof. JENIFER A

STUDENT(S) : Ms. K KEERTHI, Ms. ASHWINI S, Ms. LIKITHA M K and Ms. N SOUJANYA

45) AUTOMOBILE SURVEILLANCE AND SECURITY ESTABLISHMENT FOR SMART CITIES

- SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU

GUIDE(S) : Mr. BHARATH T S and Mrs. RENUKALATHA

STUDENT(S) : Mr. JAYANTH T S, Mr. CHANDAN RAO C K, Mr. NISHANTH N and Ms. SHARADHI R

ELECTRICAL AND ELECTRONICS ENGINEERING

46) STEP SOLAR STILL: DESIGN MODIFICATION IN SOLAR STILL AND INCORPORATION OF PHASE CHANGING MATERIAL TO INCREASE THE EFFICIENCY OF STEP SOLAR STILL

- ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELAGAVI

GUIDE(S) : Mr. KANTESH D C

STUDENT(S) : Mr. PAVANKUMAR RATHOD, Mr. MAHESH PATIL and Mr. DARSHAN KORIGERI

47) BLADELESS WINDMILL

- RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Ms. BHARATHI V

STUDENT(S) : Mr. SWASTHIK S K, Mr. SANDEEP M L, Mr. ANAND GUNNAPUR and Mr. JAIDEV K

48) ENERGY GENERATION USING FLYWHEEL AND MAGNETS

- SRINIVAS INSTITUTE OF TECHNOLOGY, MANGALURU

GUIDE(S) : Mr. LOKESH B

STUDENT(S) : Mr. CHIRAG G POOJARY, Mr. KARTHIK B, Mr. SAJITH and Ms. VIJETHA K NAIK

ELECTRONICS AND INSTRUMENTATION ENGINEERING

49) WATER POLLUTION MONITORING BOAT USING IOT

- SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU

GUIDE(S) : Ms. H.K.E. LATHA

STUDENT(S) : Ms. GAGANA N, Mr. SIDDARTH G.L, Mr. SUDARSHAN DIXITH G.M and Ms. ANANYA M

ELECTRONICS AND COMMUNICATION ENGINEERING

50) AFFORDABLE AND PORTABLE OXYGEN CONCENTRATOR

- JAIN COLLEGE OF ENGINEERING, BELAGAVI

GUIDE(S) : Prof. VINAYKUMAR R BAGALI

STUDENT(S) : Mr. FAIZAN ATTAR, Mr. JUNAIDAHMED BEPARI, Mr. AZHARUDDIN KALADAGI and Mr. ARBAZMEHDI KARIKAZI

51) SURFACE EXPLORATION ROVER

- S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAVI

GUIDE(S) : Mr. ANANDRADDI NADUVINAMANI

STUDENT(S) : Ms. NAMRATA SUJIT MIRAJE, Ms. MAYURI NULE, Mr. SHIVANAND BAJANTRI and Mr. RAHUL G NAKADI

52) INTELLIGENT DEVICE CONTROL USING BRAIN MACHINE INTERFACE

- S.J.B. INSTITUTE OF TECHNOLOGY, BENGALURU

GUIDE(S) : Dr. MAHANTESH.K

STUDENT(S) : Mr. NITIN T, Mr. PRANESH B, Mr. SHREE CHARAN and Mr. TEJASH D P

53) SPIDER ROBOT FOR SCOUTING AND DEFENSE PURPOSE

- S.J.B. INSTITUTE OF TECHNOLOGY, BENGALURU

GUIDE(S) : Mrs. UMA S

STUDENT(S) : Mr. RAKSHITH R, Mr. NAVEEN M, Mr. NISHANTH S and Mr. PREM KUMAR R

54) AUTOMOBILE BLACK BOX

- SAMBHRAM INSTITUTE OF TECHNOLOGY, BENGALURU

GUIDE(S) : Dr. SAPNA M K

STUDENT(S) : Mr. NUMAN SHARIFF and Mr. ANANDHAN V S

55) INTELLIGENT PACKAGING SOLUTION

- SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Prof. SHOBHA HUGAR and Dr. PRAKASH JADHAV

STUDENT(S) : Mr. NITISH R, Mr. HARSHA R L, Mr. PAVANKUMAR G V and Mr. UJWAL S

56) SUPPLEMENTAL SYSTEM FOR ASSISTING THE KNEE JOINT USING PASCAL'S LAW

- SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI

GUIDE(S) : Ms. SOWMYA BHAT and Mr. SUDHIR

STUDENT(S) : Mr. TEJAS S R, Mr. SUBRAMANYA S NAYAK, Mr. SURAJ S and Mr. CHARAN R DEVADIGA

57) SMART SCHOOL BUS USING IOT

- B.L.D.E.A'S V.P DR P.G.HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA

GUIDE(S) : Prof. PRAVEEN HAVALAGI and Prof. JAYASHREE N.C

STUDENT(S) : Mr. RAKESH HONNAPPAGOL, Ms. SUSHMA RATHOD, Ms. SWAPNA GAVALI and Ms. SUSHMA YADAV

58) SOLAR POWERED CROP NOURISHING BOT USING ARDUINO

- CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, TUMAKURU

GUIDE(S) : Dr. D S SURESH

STUDENT(S) : Mr. HARSHITH GOWDA B V, Mr. HEMANTH KUMAR Y S and Mr. CHANDAN K

59) PORTABLE 3D SCANNER

- DON BOSCO INSTITUTE OF TECHNOLOGY, BENGALURU

GUIDE(S) : Ms. BHAGYA P

STUDENT(S) : Mr. RANJAN P, Mr. R PRAJWAL GOWDA, Mr. PATRICK BRUNO and Mr. SUHAS B P

60) ELECTRONIC STETHOSCOPE USING RASPBERRY PI

- G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE

GUIDE(S) : Mr. CHETAN B V

STUDENT(S) : Mr. BHARATH S, Mr. VIKAS H S, Mr. MANOJ GOWDA D K and Mr. MANIKANTA B

INTERDISCIPLINARY - MECH AND ECE

61) AUTONOMOUS PESTICIDE SPRAYING AND DISEASE DETECTION UAV PLATFORM FOR ARECA NUT AND PEPPER PLANTATIONS

- SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU

GUIDE(S) : Prof. AJITH B S and Prof. CHANDRA SINGH

STUDENT(S) : Mr. PRATHAM K B, Ms. SHRINIDHI I S, Mr. RAYNOL MENEZES and Mr. RAJMOHAN KAMATH

INFORMATION SCIENCE AND ENGINEERING

62) VIRTUAL DRESSING ROOM USING AUGMENTED REALITY

- ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU

GUIDE(S) : Prof. NANJESH BENNUR and Dr. SAMPATH S

STUDENT(S) : Mr. AVINASH HANUMANTAPPA SANGUR, Mr. BHARATH S, Mr. KEERTHI S E and Mr. PRUTHVI P J

63) AUTOMATED HYDROPONICS MONITORING SYSTEM USING IOT

- S.D.M. INSTITUTE OF TECHNOLOGY, UJIRE

GUIDE(S) : Dr. DHARMANNA L

STUDENT(S) : Mr. JAYANTH S, Mr. NAGARAJ HEGDE, Ms. NAMRATA I NAIK and Ms. NAMRATHA U I

64) ROAD SAFETY ANALYSIS BASED ON VEHICLE VIBRATION AND SOUND USING DEEP LEARNING TECHNIQUE

- SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU

GUIDE(S) : Mr. RITESH PAKKALA P

STUDENT(S) : Mr. SUHAN ACHARYA, Mr. ABHISHEK S MALLYA, Mr. N RAHUL RAO and Mr. SWASTHIK SHETTY

65) SMART GLASSES TO ASSIST THE BLIND

- THE NATIONAL INSTITUTE OF ENGINEERING, MYSURU

GUIDE(S) : Mr. RAMPUR SRINATH and Mr. SUHAS BHARADWAJ

STUDENT(S) : Mr. SHASHIDHAR R BHAT, Mr. ABHINAV G M, Mr. CHANDRACHOOD BHARADWAJ P and Mr. U G GOPALA KRISHNA

MECHANICAL ENGINEERING

66) ECO-FRIENDLY CORRUGATED BAMBOO-COMPOSITE SHEETS FOR ROOFING APPLICATIONS

- ATRIA INSTITUTE OF TECHNOLOGY, BENGALURU

GUIDE(S) : Mr. ANJAN KUMAR D and Ms. GEETHA G CHAVAN

STUDENT(S) : Mr. KOWNAIN AHMED, Mr. SHEIK IRFAN, Mr. MOHAMED IBRAHIM JUNAID and Mr. SUMUKH S KASHYAP

67) CAMPUS MOBILITY FOR THE FUTURE: THE SMART ELECTRIC BICYCLE

- G.M. INSTITUTE OF TECHNOLOGY, DAVANAGERE

GUIDE(S) : Dr. SRINIVASA C V

STUDENT(S) : Mr. RACHITH C SANGA, Mr. PARVEEZ KHAN, Mr. PAVAN B M and Mr. VISHAL S CHAVAN

68) VAPOUR CHAMBER COOLING TECHNOLOGY

- GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

GUIDE(S) : Dr. ANOOP KUMAR ELIA

STUDENT(S) : Mr. ABHISHEK SURYAWANSHI, Mr. SIDDHAREDDY, Mr. STANLEY CHRISTOPHER and Mr. SUNIL

69) DESIGN AND DEVELOPMENT OF 2 BLADED SAVONIUS WIND TURBINE WITH SPLITTER ELEMENT SURROUNDED BY OMNIDIRECTIONAL GUIDE VANES

- JAIN COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBBALLI

GUIDE(S) : Mr. DEVIPRASAD N MIRASHI

STUDENT(S) : Mr. PRATEEK R BADIGER, Mr. NARAIN S KARNOOL, Mr. NAGARAJ P HANCHINAMANI and Mr. ANIRUDH V KUSANUR

70) FABRICATION OF PALLETING MACHINE

- K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI

GUIDE(S) : Mr. PRASHANT D BANAKAR

STUDENT(S) : Mr. AHMED RAZA M BICHAGATTI, Mr. MUNEEER NAIKAR, Mr. SANTOSH NAVALGUND and Mr. SHAIENDRAKUMAR M NAZARE

71) 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, BELAGAVI

GUIDE(S) : Prof. VIVEK TIWARY and Dr. VINAYAK R. MALIK

STUDENT(S) : Mr. AVIN SHETTY, Mr. ADITYA MAHESH BANG, Mr. ANIRUDH S RAO and Mr. HARSHIT DEEPAK KULKARNI

72) DIGITAL EDUCATION USING AUGMENTED REALITY AND VIRTUAL REALITY

- SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU

GUIDE(S) : Mrs. LEELA B N

STUDENT(S) : Mr. SHUBHAM R SOLSI, Mr. CHETHAN KUMAR T M, Mr. RAKESHA H S and Mr. TEJUS S

73) DESIGN AND FABRICATION OF PORTABLE DUAL AXIS SOLAR TRACKER

- VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU

GUIDE(S) : Mr. SHREYAS M and Prof. SUDHARSHAN N

STUDENT(S) : Mr. BHARATH J, Mr. VIKAS V, Mr. VIVEK N and Mr. ANILKUMAR D M

74) DESIGN AND FABRICATION OF SESAME PEELING MACHINE

- SRI SAIRAM COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Mr. BALAJI V

STUDENT(S) : Mr. JAYANTH K RAMAN, Mr. NAVEEN V and Mr. GOWTHAM M

MEDICAL ELECTRONICS

75) DYSMENORRHEA RELIEVER AND POSTURE SUPPORT BELT WITH A COMBINATION OF HEAT AND VIBRATION THERAPY

- DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

GUIDE(S) : Ms. S HEMA PRIYADARSHINI

STUDENT(S) : Ms. HIMA RAVINDRA, Mr. CHESLA ALDHU, Mr. SARVESETTY SAI ASHISH and Ms. SOWMYASHREE H