

LIST OF STUDENT PROJECTS SCHEDULED FOR PRESENTATION JANUARY 2020

The Principal Investigator (Faculty) along with two student investigators should be present at the time of project presentation. The student investigators will not be permitted to present their project if the Principal Investigator is absent.

MECHANICAL ENGINEERING

Sl No	Name of Principal Investigator	Name of Student Investigators	Title of the Project	Institution	Date & Time of Presentation
1	Ranjith K. Assistant Professor Roshith K. (Co-Investigator)	Adarsh K Nakul M T Nithul C V Sourav D Kumar	Innovative design and fabrication of solar desiccant air conditioner.	College of Engineering Thalassery	09.01.2020 9.45 AM
2	Dr. Ranjith S Kumar Assistant Professor	Ajmal A R Akhildev V Akhil T Bedhoonraj K	Ground mobility device for disabled.	CET	09.01.2020 9.45 AM
3	Arjun M Assistant Professor	Rithulkrishnan V R Anagh P Athul Babu N K Gokul V	Small scale unit of drinking water production from rooftop rain water harvesting.	College of Engineering Thalassery	09.01.2020 9.45 AM
4	Boby Paul Assistant Professor Harinarayanan Nampoothiri M G	Jacob George Amal S Aromal Jayaprakash Alex Shiji	SAMPARAYA	Saintgits College of Engineering Kottayam	09.01.2020 9.45 AM

5	Dr.Chacko Preno Koshy Assistant Professor	Akhil Binu Akhil C Sajeev Anand Mathew James Arun Joseph	Development of a sustainable,eco-friendly and biodegradable nano-fuel derived from waste tyres and plastics,and studies on its various thermo-physical,engine performance and emission characteristics for commercial applications.	Saintgits College of Engineering Kottayam	09.01.2020 9.45 AM
6	Dr.Biju P L HOD Manoj Kumar V K (Co-Investigator)	Albin Mathew Ajilas V R Ajay Wilson Harith H Flewin Johnson	Eco-friendly and effective management of used diapers and napkins.	Jyothi Engineering college Thrissur	09.01.2020 11.00 AM
7	Praveen A P Assistant Professor Dr.Sooraj K Prabha (Co-Investigator)	Abhinand Ramesh Ajith T Sreenivasan Akarsh Ranjith Akash K V	Experimental and numerical investigation of the effect of reinforcements on the warpage of polymer composite plates.	Vidya Academy of Science & Technology, Thrissur	09.01.2020 11.00 AM
8	Dr.Jobby George Asst Prof George Sebastian (Co-Investigator)	Nikhil Cherian Jose K Sunny Suneej Jacob Mathews Tijo G Thomas	A technology to detect trapped human beings during landslide disasters.	Amal Jyothi College of Engineering Kottayam	09.01.2020 11.00 AM
9	Anup Kumar Asst Prof Dr.Jilse Sebastian (Co-Investigator)	Akshay Oomman Santhosh Bijo George P Aneesh George Jijo Jose	Performance and emission analysis of diesel engine fuelled with blend of biodiesel from waste cooking oil,pyrolysis plastic oil and diesel.	St.Joseph's College of Engineering & Technology Palai	09.01.2020 1.00 PM

10	Dr.Baiju V Assistant Professor Dr. K A Shafi	Asna Afsal Muhammed Suhail N Parvathy U Rakhi R B	Experimental investigation on performance and emission characteristics of composite briquettes from water hyacinth and agricultural wastes.	TKM College of Engineering Kollam	09.01.2020 1.00 PM
11	Dr.Baiju V Assistant Professor	Abin Varkey Amal P Raj Hari Babuprakash Jose Gijo Ananthu V Pillai	Solar powered hybrid water generator using adsorption.	TKM College of Engineering Kollam	09.01.2020 1.00 PM
12	Dr.Biju B Professor	Adarsh Vijayan P V Allen Saju Godson Kunjumon Vaishnav K V	Self balancing robot for logistic application.	MACE Kothamangalam	09.01.2020 1.00 PM
13	Abi Varghese Assistant Professor Dr.Jippu Jacob (Co-Investigator)	Joby G David Mebin Toms Mathew Sambhu Nair V s Mijo P Saji	Dethatch-The mid rib seperating machine.	Amal Jyothi College of Engineering Kottayam	09.01.2020 2.00 PM
14	Sherin Sam Jose HOD Sreeram H. (Co-Investigator)	Adithya S Alfin Johnson Akash S Nice Austin Sebastian	Development of a compact IC engine radiator	Amal Jyothi College of Engineering Kottayam	09.01.2020 2.00 PM
15	Dr. Nidhi M B Assistant Professor	Viswanath S Vimal George Salman Mohammed	Driver alert system design to prevent vehicle collisions	Mar Baselios College of Engineering Trivandrum	09.01.2020 2.00 PM

16	Dr. A Sadiq Professor	Adithya Biji Sooraj C S Krishnanunni B R Nirmal M S	Fire extinguishing drone.	TKM College of Engineering Kollam	10.01.2020 9.45 AM
17	Anoop Kumar G Associate Professor Dr.Vinod V (Co-Investigator)	Sanjay Babu T Sandradas K M S Ajith Sarang M	Fabrication and analysis of electromagnetic non contact power transmission coupling.	NSS College of Engineering Palakkad	10.01.2020 9.45 AM
18	Dr.Amith Aravind Associate Professor Dr.M D Mathew (Co-Investigator)	Rahul Nair Josemon N Sumesh Prasanth O P Justin Raju	Development of biodegradable cutting fluid from esterified rubber seed oil and estimation of its rheological,tribological and other cutting parameters.	Saintgits College of Engineering Kottayam	10.01.2020 9.45 AM
19	Dr.Rajesh Baby HOD & Associate Professor	Josevin Joseph Sajo Mathew Sen Babu S Harish	Design and fabrication of gasifier stove	St.Joseph's College of Engineering & Technology Palai	10.01.2020 9.45 AM
20	Surej Rajan C Asst Prof Stephy James (Co-Investigator)	Amalgeeth P M Arundas C Jassir Hussain	Development of fire retardent hydrogels using starch-g-acrylonitrile/polyacrylamide- alginate for fire fighters protective clothing	ToC H Institute of Science & Technology Ernakulam	10.01.2020 9.45 AM
21	Krishnadasan V B Assistant Professor	Muhammed Shafah P Rhythwin M Ajay Prakash Jerry Arshak	Fabrication of auto guided fireman(AGF)	GEC Sreekrishnapuram	10.01.2020 11.00 AM

22	Dr.Lijo Paul Associate Professor Jojin Thomas (Co-Investigator)	Noel Saji K B Anaswar Midhun Joseph Prakash Varghese	Hybrid unmanned vehicle suitable for air,land and underwater operations	St.Joseph's College of Engineering & Technology Palai	10.01.2020 11.00 AM
23	Dr. Aboobacker Kadengal Dean (PG)	Navaneeth B K Pranav Paleri Nidhin K Nambiar Sreejish P V	Design fabrication and investigation on a concentrated solar power desalination system using fresnal lens	LBS College of Engineering Kasaragod	10.01.2020 11.00 AM

CIVIL ENGINEERING

Sl No	Name of Princpal Investigator	Name of Student Investigators	Title of the Project	Institution	Date & Time of Presentation
1	Dr.Jayasree P K Professor	Dilshan P Ghanasyam J Jesbin John Jacob Vishnu Suresh	Green Bricks for Sustainable Future.	CET	10.01.2020 9.45 AM
2	Dr.Jayasree P K Professor	Athira Bismi N A Mohammed Shikaf Ali S Sreesha N P	Effect of vetiver roots on erosion control in slopes.	CET	10.01.2020 9.45 AM
3	Asha Davood Z Assistant Professor Dr.Narayanan S Professor & HOD (Co-Investigator)	Ashiq Rashid Hepsy Hamlet Praveen PeterGomez Shilpa Cecil	Autofarm Water Regulator	Marian Engineering College,Kazhakuttom	10.01.2020 9.45 AM

4	Amal Azad Sahib Associate Professor Dr.Priya K L (co-Investigator)	Anand Nelson Muhammad Hijas H Josmer Jose Aswin P Unnithan	Drainage of Kuttanad soil using Electrokinetic Geosynthetics.	TKM College of Engineering Kollam	10.01.2020 9.45 AM
5	Dr.Ramaswamy K P Assistant Professor Dr.Anu V Thomas (Co-Investigator)	Naeem Remya S Chandran Sera Rachel Varghese Sreelekshmi S	Development of Innovative Alkali Activated Concrete for Rebuilding Resillient Kerala Post Floods.	TKM College of Engineering Kollam	10.01.2020 9.45 AM
6	Dr.Aju Mathew George Assistant Professor	Kevin Emmanuel Lismol Scaria Tresa Rose Vignesh O S	Adsorptive Removal of Arsenic from Water Using Chemically Treated Biosorbents: Evaluation of Equilibrium and Kinetic Parameters.	Amal Jyothi College of Engineering, Kottayam	10.01.2020 11.00 AM
7	Althaf M Assistant Professor	C A Navaneeth Noel Varghese Muhammed Navvar K Gowtham Prakash	Computation of stress concentration factor of tubular joints for the fatigue analysis of steel structures.	TKM College of Engineering Kollam	10.01.2020 11.00 AM
8	Sreelekshmy Pillai G Assistant Professor Biju M S (Co-Investigator)	Asif Ali S Cincy Jose Akhila N Agil Abraham Thomas	Impact of flooding in the performance characteristics of bituminous roads- a case study of Koduvayur-Nenmara road in Palakkad district.	NSS College of Engineering Palakkad.	10.01.2020 11.00 AM
9	Sreelekshmy Pillai G Assistant Professor Sulakshna T P Assistant Professor (Co-Investigator)	Greeshma P S Aswathi P Ajil B S Ashiq Rahman P K	Prediction of road traffic noise levels by using regression analysis and artificial neural network.	NSS College of Engineering Palakkad.	10.01.2020 11.00 AM

10	C K Cherian Assistant Professor Jithin Kurian Andrews (Co-Investigator)	Jithin Rajan Nithin Skariah Vineeth K S Zacharia Issac	Floating wave breakers	Saintgits College of Engineering, Kottayam	10.01.2020 11.00 AM
11	Dr.Reebu Z Koshy Assistant Professor Jithin Kurian Andrews (Co-Investigator)	Joel Jacob Jose Mathews Stephens Sreekuttan S Vipin Kumar	Development of a low cost mechanism for pavement performance evaluation	Saintgits College of Engineering, Kottayam	10.01.2020 11.00 AM
12	Prof.P P Sivan Assistant Professor	Akash Biswas Amir Suhail V Anjitha Ann K Archana Ramenan	Evaluation of housing technologies in disaster prone areas of Kerala.	GEC Thrissur	10.01.2020 1.00 PM
13	Dr.Anto Francis K Assistant Professor	Aiswarya M Arjun Sandeep P Arjun V Nair Gayathri Suresh	Geological and geotechnical evaluation of landslides at Kavalappara and Puthumala.	GEC Thrissur	10.01.2020 1.00 PM
14	Prof Dr.Binoy Alias M Professor	A.Reshma Ansila S Kamal Ashlin Joy E.Mathew Paul	Determination of creep coefficient for different types of soil	MACE Kothamangalm	10.01.2020 1.00 PM
15	Dr.Alice Mathai Professor Prof.Geeja K George (Co-Investigator)	Ameena Kareem Raiza K M Vismaya Wilson M Krishna K P	Numerical Investigation on the Structural Behaviour of Idukki Arch Dam in view of Catastrophic Failure of Mullaperiyar Dam.	MACE Kothamangalm	10.01.2020 1.00 PM

16	Basil Jaimon Assistant Professor	Aswathy K B Keerthana V Rahul Raj Sachin Mithra J M	Earlt warning system for shallow landslides in data sparse region using rainfall threshold and slope stability analysis.	MACE Kothamangalm	10.01.2020 1.00 PM
17	Dr.Jiji Anna Varughese Associate Professor Dr.Nelsa Abraham Assistant Professor (Co-Investigator)	Alma Ahamed s Amina M K Nomi Susan Mathew V S Krishnanunni	Properties and Behaviour of Concrete with Carbon Nanotube Composites.	GEC Barton Hill.	10.01.2020 2.00 PM
18	Joisy M B Professor Dr.Narayanan S (Co-Investigator)	Karthik G Lekshmi V R Nabeel N S Nice M Basheer R U Dhanusree	Desalination of seawater	Marian Engineering College,Kazhakootam	10.01.2020 2.00 PM
19	Radhika P Nair Assistant Professor Dr.Jayamohan J (Co-Investigator)	Amrutha U A Anjana S Kumar Gopika Chandran Jaseena Amsaj	Influence of mineralogy on the engineering properties of lateritic soils	LBS Institute of Technology for Women,TVM	10.01.2020 2.00 PM
20	Prof.Sreedevi A R Assistant Professor	Althaf Hussain N Anand Solomon K Binoy K Cyril G Thottumkal	Development of Sustainable Particle Boards from Water Hyacinth and Pineapple Leaf Pulp.	CET	10.01.2020 2.00 PM
21	Dr.Sumi S Assistant Professor	Akshay Ranjith Alisha P M Binoy P T Catherine Chakkakakkal	Performance assessment of constructed wetland in treatment of wastewater.	CET	10.01.2020 2.00 PM

ELECTRICAL AND ELECTRONICS ENGINEERING

Sl No	Name of Principal Investigator	Name of Student Investigators	Title of the Project	Institution	Date & Time of Presentation
1	Raji Krishna Assistant Professor Prof.Anish K John (Co-Investigator)	Rafi S M Akhil Shaju Jainshah J J P Aravind	Rumble bot (A disaster management based robot)	GEC Barton Hill	16.01.2020 9.45 AM
2	Dr.Sunila M S Associate Professor	Fathima iqbal Prajeeshamol P G Rishna K V Sreehari S	Optimised control of locomotive drive.	GEC Barton Hill	16.01.2020 9.45 AM
3	Dr.Vinita Chellappan Associate Professor Muhammedali Shafeeque K (Co-Investigator)	Jishnu R Fasweehullisaan M K Abhijith M S Ashfakh A K Muhameed Naseem K	Optimal path planning for UAV (Unmanned Aerial Vehicle)	GEC Sreekrishnapuram	16.01.2020 9.45 AM
4	Sreekanth P Assistant Professor Dr.Mohanalina Raja Rathnam (Co-Investigator)	Athul T P Anusree C K Aiswarya M Jithin Chandran	LIFE SAVING ROBOT TO HANDLE NATURAL CALAMITIES	College of Engineering Trikaripur	16.01.2020 9.45 AM
5	Fousiya K Assistant Professor Dr.Mohanalina Raja Rathnam (Co-Investigator)	Anjitha P V Anusha P Arjun T V Sreeraj P K	Emotion based electric appliance controller using neural network classifier	College of Engineering Trikaripur	16.01.2020 9.45 AM

6	Dr.Mohanalin Raja Rathnam HOD Sudhin Govind (Co-Investigator)	Akhil K Amritha Chandran M Gokul Krishna P P Vishal Ravikumar	Landslide Monitoring and Early Warning System Using a Cluster of Sensor Network and Feedback neural network	College of Engineering Trikaripur	16.01.2020 9.45 AM
7	Sheron George Assistant Professor Adil Nasser (Co-Investigator)	Rijo Mathew Ashmy G S Sudeesh Kumar M	Self balancing off-road electric wheelchair	College of Engineering Aranmula	16.01.2020 11.00 AM
8	Savitha K P Assistant Professor Raju M (Co-Investigator)	Amala Krishnan Archana Mohan Meeralakshmi S Vismaya Vijayan	Energy efficient AI controlled multilevel converter for hybrid microgrid in rural areas	College of Engineering Chengannur	16.01.2020 11.00 AM
9	Nimitha Muraleedharan Assistant Professor Dr.Sujith S (Co-Investigator)	Sarath P Sruthi Sojan Sabarinath K K Yedhukrishna K S	Suppression of time varying harmonics in non-linear load by HAPF system	NSS College of Engineering Palakkad	16.01.2020 11.00 AM
10	Leena N Assistant Professor Dr.Sujith S (Co-Investigator)	Krishnapriya Sasikumar Navya P Rohith M Vyshnav T S	Sign language interpreter-slint	NSS College of Engineering Palakkad	16.01.2020 11.00 AM
11	Akhila K Assistant Professor Rajitha A R (Co-Investigator)	Fathima Parveen A S Hidha Fathima Babu Priyanka Devassy Thanziya K J	Universal mind read 3 DOF bed for rehabilitation.	Adishankara Institute of Engineering & Technology, Kalady	16.01.2020 11.00 AM

12	Dr.Jarin T Associate Professor Anto Zacharias (Co-Investigator)	Albin Joy Eldo Joseph Shiny N O Theertha Ashokan	E-mobility based tricycle for physically challenged people with enhanced safety features.	Jyothi Engineering College Thrissur	16.01.2020 11.00 AM
13	Dr.Reeda Kunhimangalam Associate Professor Shyju K (Co-Investigator)	Munawwar Sathar Muhammed Safvan	Modified single stage 3-phase grid integrated solar PV system with improved power quality	College of Engineering Thalassery	16.01.2020 1.00 PM
14	Nithin T Assistant Professor Dr.C.Sreekanth (Co-Investigator)	Aswathi M Aswanth K T Ebes M T Mohammed Shahid P	FPGA based DC microgrid solar charging station for electric vehicles,with MPPT controlled DC-DC sepic converter	College of Engineering Vadakara	16.01.2020 1.00 PM
15	Saritha M Assistant Professor Haritha K S (Co-Investigator)	Rincy C P Sarang V R Yadhu Dev M Sarang T K	Battery management system	College of Engineering Vadakara	16.01.2020 1.00 PM
16	Neena Alex Assistant Professor Jane Maria S (Co-Investigator)	Alwin Eldho Jaison Kuriakose Tinu George Varsha Antony	Eye controled wheelchair	Viswajyothi College of Engineering Ernakulam	16.01.2020 1.00 PM
17	Abraham George Assistant Professor Jineeth Joseph (Co-Investigator)	Akash Kalluvilayil Venugopal Sharon K Varghese Sheba Merin Jacob	Development of embedded system for speaker identification and recognition using AI method.	Saintgits College of Engineering, Kottayam	16.01.2020 1.00 PM

18	Dr.Shibudheen K V Assistant Professor Dr.Bijuna Kunju K (Co-Investigator)	Ajmy Jalal Anna Sunny Aswathy Ajay Sariga S	High impedance fault detection using frequency transform	TKM College of Engineering Kollam	16.01.2020 1.00 PM
19	Dr.Sabeena Beevi K Associate Professor Dr.Usha Devi Amma C (Co-Investigator)	Harikrishnan S Sona Subair Pooja Sunil Mammen Vargese Puthukkeril	Design & development of an early detection framework for lung cancer using high speed gigapixel coherent computational microscope	TKM College of Engineering Kollam	16.01.2020 2.00 PM
20	Rajashree Raghavan Associate Professor Arun S Mathew (Co-Investigator)	Hassainar Ashir P H Parvathiraj Balakka Zainal Abdeen Hameed Roshan K	Eco-driven self balanced electric bike using machine learning, gyroscope and recycled batteries.	LBS College of Engineering Kasaragod	16.01.2020 2.00 PM
21	Sreejith S Assistant Professor Salins S S (Co-Investigator)	Adarsh Prasanth Akhil P S Faisana M Lekshmy J R	Wireless long-range sensor mesh network for environment surveillance and disaster prediction in remote areas	College of Engineering Attingal	16.01.2020 2.00 PM
22	Biji G Assistant Professor	Anamika A S Arora A R Keerthy Sankar Meenu A S	Power quality improvement using dynamic voltage conditioner	GEC Barton Hill	16.01.2020 2.00 PM
23	Anu A G Assistant Professor	Girish V V Siddharth P Aswin Raj Mohammed Vajid N	Auto adjustable cleaning bot	CET	16.01.2020 2.00 PM

24	Dr.Sreeja S Associate Professor	Adharsh K Tom Justin Jose P Joseph Kurian Nithin Philip Joseph	Emergency response rover for disaster mitigation with reconfigurable antenna	CET	16.01.2020 2.00 PM
25	John Prakash Joseph Assistant Professor	Kevin T Wilson Sagar Jayakrishnan Shibin Joshua Babu Titus Manoj	FPGA based hand gesture recognition system for the deaf and dumb	CET	17.01.2020 9.45 AM
26	Dr.Mayadevi N Assistant Professor	Rohit G Midhun Satheesh Aswin A S	Portable bio signal detector-brain computer interface	CET	17.01.2020 9.45 AM
27	Abhilash B L Assistant Professor Anoopkumar N (Co-Investigator)	Daheeb S Dev Neethu M S Anandhu B Athulya Babu	Ferrite position identification system operating with wireless power transfer for intelligent train position detection	College of Engineering Pathanapuram	17.01.2020 9.45 AM
28	Dr.Sunil Kumar P R Associate Professor Dr.Abhilash T Vijayan (Co-Investigator)	Aadarsh G Krishnan Anil Kumar M H Ramsankar Ranjana R Krishnan	Eco-friendly hybrid tricycle for handicapped	RIT Kottayam	17.01.2020 9.45 AM
29	Santhosh Raj R Assistant Professor Jasmi M S (Co-Investigator)	Akhil Raj R Reshma S Sarath S P Umar Farook A	SPSW (solar powered smart wheelchair)	College of Engineering Perumon	17.01.2020 11.00 AM
30	Ajisha S Assistant Professor Kannan S A (Co-Investigator)	Akhila A Cereena S Jackson Rahul R Krishnan Vignesh Manoj	Solar powered aqua ro-boat	College of Engineering Perumon	17.01.2020 11.00 AM

31	Jasna Basheer Assistant Professor Kannan S A (Co-Investigator)	Anjana Anil Amritha Anil Amjith S	FFR based SAMSYS (Face -finger recognition based smart attendance marking system)	College of Engineering Perumon	17.01.2020 11.00 AM
32	Smitha Paulose Assistant Professor	Ajmal Moosa Alfina M A Amrithakrishna V S Deepak Prathapan	Robotic vet in war zone	MACE Kothamangalam	17.01.2020 11.00 AM
33	Dinto Mathew Assistant Professor Eldhose K A (Co-Investigator)	Ismath K I Lami Mershed T P Sruthy K Muraleedharan Vaishnav C	Design and implementation of hybrid MMC for variable speed applications	MACE Kothamangalam	17.01.2020 11.00 AM
34	Dr.Jisha V R Associate Professor	Akhil Chandran S Anandhu S S Athul S Govind Sreerag K S	Pond cleaning robot	GEC Thrissur	17.01.2020 1.00 PM
35	Uma Syamkumar Assistant Professor	Ajith U R Arjun Rajendran T Akshayamol M M Jatin Singh	Fractional order PID controller for sensor less control of BLDC motor	GEC Thrissur	17.01.2020 1.00 PM
36	Neenu Thomas Assistant Professor Dr.Mary P V (Co-Investigator)	Alwin Baby A Anurag N A Jasmin James Jebin V	Automobile black box system	Vidya Academy of Science & Technology Thrissur	17.01.2020 1.00 PM

37	Sreekanth R Shekar Assistant Professor Dr.Sudha Balagopalan(Co- Investigator)	Arshaq K A Godwin George Shahila R S Sheeja Aboobacker	Commander assistant for blind using artificial intelligence (AI-glass)	Vidya Academy of Science & Technology Thrissur	17.01.2020 1.00 PM
38	Teena George Assistant Professor	Raveena M Shibin Sujith Vishnusree P K Jaseela Subair	Virtual eye for blind	Vimal Jyothi Engineering College Kannur	17.01.2020 1.00 PM
39	Dr.Dinesh Gopinath Associate Professor	Sujeesh B Sachin K Aravind Adwaith M K Akarsh A M	Design and development of a high frequency power supply for magnetic hyperthermia based cancer treatment	CET	17.01.2020 2.00 PM
40	Dr.Dinesh Gopinath Associate Professor Dr.R M Shereef (Co-Investigator)	Archana Govindan Malavika Jayakumar Parvathy G Ajay Pavithra P Venu	SiC MOSFET based bi-directional DC-DC power converter for EV applications.	CET	17.01.2020 2.00 PM

ELECTRONICS AND COMMUNICATION ENGINEERING

Sl No	Name of Princpal Investigator	Name of Student Investigators	Title of the Project	Institution	Date & Time of Presentation
1	Asha S Assistant Professor Sajith Sethu P (Co - Investigator)	Manukulathilakan S	Vehicle Safety System With Real Time Heart attack and Drowsiness Monitoring.	Sree Chithra Thirunal College of Engineering , Pappanamcode	13.01.2020 9.45 AM

2	Dr. Jayakumari J Professor Dr. Jayashree M J (Co- Investigator)	Daniel C Rohith Satheesan Sandra Jeeva Shamil Shamsudeen	Portable Brain Computer interface for Medical Applications.	Mar Baselious College of Engineering and Technology , Nalanchira	13.01.2020 9.45 AM
3	Divya V Chandran Assistant Professor. Arya Paul (Co-Investigator)	Abhilash G Panicker Aswany Thilakan DonDavis Gayathri G Shenoy	Doily	Adishankara Institute of Engineering and Technology.	13.01.2020 9.45 AM
4	Midhun Joy Assistant Professor Therese Yamuna Mahesh (Co-Investigator)	Thomson Sunny Sneha Margret Abraham Sneha Mariam Thomas Tanniamol K Parambil	Smart Agro-Incubator	Amal Jyothi College of Engineering	13.01.2020 9.45 AM
5	Joby James Assistant Professor.	Jithin Vinod Krishna D Arya Krishna Dinumol R	Traffic Sign Detection, Vehicle Monitoring and Pollution Control.	College of Engineering Kidangoor.	13.01.2020 9.45 AM
6	Dr.Therese Yamuna Mahesh Associate Professor Midhun Joy (Co-Investigator)	Parvathy S S Shibin Thomas Shilpa Rachel	Cicerone - A Real Time Object and Path Detection for Visually Impaired People.	Amal Jyothi College of Engineering	13.01.2020 11.00 AM

7	Dhanya R Assistant Professor. Swathy Satheesh (Co-Investigator)	Malavika Balagopal Nayana John Nimmy Yohannan Sreeparvathy Vinodkumar	AUTOBEE POLLINATOR- Autonomous cross Pollinator for Future Farming.	TOC H Institute Of Science and Technology.	13.01.2020 11.00 AM
8	Vinod G Associate Professor	Akhil Ganesh Anju Baby Vishnu B	Agriculture Robot for Automated Small - scale Home garden.	NSS College of Engineering Palakkad.	13.01.2020 11.00 AM
9	Dr. Vinodkumar Jacob Professor	Ashlin Antony Basil Chacko Alias Bony Tom Owan Shaji	IoT Based Smart Greenhouse Automation System.	Mar Athanasius College of Engineering	13.01.2020 11.00 AM
10	SivaKumar K S Assistant Professor Dr. Anish M N (Co-Investigator)	Muhammed Anees K Sruthi N P Shahana Beegam A P Megha K	Automated Swimming Trainer Suit For Beginners.	NSS College of Engineering Palakkad.	13.01.2020 11.00 AM
11	Dr.Venugopal G HOD Sidharth N (Co-Investigator)	Shamli Fathima P Dolbin Jojo Sandhra C Gayathri A V	FPGA Based Portable Device For Analysing Neuromuscular Conditions using Surface EMG Signals.	NSS College of Engineering Palakkad.	13.01.2020 1.00 PM
12	Prapu Premanath Assistant Professor Lalji Cyriac (Co-Investigator)	Aswin R S Muhammed Anas K M Arjun Anand Varun A	Landslide Early Warning System.	College of Engineering Vadakara.	13.01.2020 1.00 PM
13	Vishnu Mohan Assistant Professor. Sukhanya K (Co-Investigator)	Athuljith S P Mohamed Sadiqu K V Yadu Krishnan t Yobin Bobby	Non Destructive Type Qualitative & Structural Analysis Of Flexible Pavement.(Road)	College of Engineering Vadakara.	13.01.2020 1.00 PM

14	Dr.Smitha C K Assistant Professor Vishnu Mohan (Co-Investigator)	Vishnu Asok Sreenath T K Sreeram G Lishanth K	A Light Weight Mobile Speaking Aid for Mute People.	College of Engineering Vadakara.	13.01.2020 1.00 PM
15	Dr. Rini Jones S B Associate Professor. Jinesh S (Co-Investigator)	Jugin Dinesh Krishnapriya Vinod Rahul M Layana I V	Smart shield for Women Safety.	College of Engineering Thalassery.	13.01.2020 2.00 PM
16	Jithendra K. B Assistant Professor Anoop K (Co-Investigator)	Adarsh Madhusoodanan Abhinand E Athira Manoharan Amaya Sudhakar	Irregular Land/Water Resources Surveying Equipment	College of Engineering, Thalassery	13.01.2020 2.00 PM
17	Naveen S Assistant Professor Shijitha R (Co-Investigator)	Aiswarya S. S Architha V. M Asiya Nizam Parvathy Devi R	SPI-D: Spider Inspired Wall Climbing Robot	LBS Institute of Technology for Women, Poojappura	13.01.2020 2.00 PM
18	Reeju Elisa Baby Assistant Professor Godwin Raj D (Co-Investigator)	Leah Sibi Lija Mariam Biju Sahi Ann George Shalu Shaji	Self-Driving Car using Optical Flow & Gridding System	Amal Jyothi College of Engineering	13.01.2020 2.00 PM
19	Dr Lizy Abraham Assistant Professor Deepesh Edwin (Co-Investigator)	Anchana A S Devika A Devika P Mithra K R	Energy Harvester For Knee.	LBS Institute of Technology for Women, Poojappura	14.01.2020 9.45 AM

20	Maneesha Krishnan Assistant Professor. Alkajith Jyothika (Co-Investigator)	Sreelekshmi R S Pooja Thulasi Haripriya Ajith Akshaya S	An IoT Based Urban Airpollution Monitoring System.	College of Engineering Karunagapally	14.01.2020 9.45 AM
21	Dr. Gopakumar C Associate Professor & HoD Bhavya V (Co-Investigator)	Aiswarya R S Aiswarya Joseph Remya Krishnan S Ajith Raju	Development of GSM based Floating Garbage Collecting Robot with PH and dissolved oxygen sensor	College of Engineering Karunagapally	14.01.2020 9.45 AM
22	Jyothish A Ghosh Assistant Professor. Lincy Rachel Mathews	Farzana Shajahan Gouri M Greeshma R Pillai Shamna Mol	Development of Smart Bed Insert for Elder Care	College of Engineering Karunagapally	14.01.2020 9.45 AM
23	Dr.Riboy Cheriyan Professor & HoD Dr Ansal K A (Co-Investigator)	Joel Abraham Sree Sankar E Reuben George Mathai Sandeep Narayanan	Machine Learning-Based Fingerprinting for Accurate Positioning of Things in GPS denied Environmental using Lora WAN-Long Range Wide Area Networks	SAINTGITS College of Engineering	14.01.2020 9.45 AM
24	Abraham K Thomas Assistant Professor Nishanth P. R (Co-Investigator)	Jewel Moncy John Justin Eapen Titus Jeffin John Ebin Joseph	Flood Relief Robot for Air and Land Deployment (FRRALD)	SAINTGITS College of Engineering	14.01.2020 11.00 AM
25	Ashly John Assistant Professor Ashwin P. V (Co-Investigator)	Arjun Shankar P. B Arunima C. V	AI Based Spectacles for Blinds	SAINTGITS College of Engineering	14.01.2020 11.00 AM

26	Beena A. O Assistant Professor Roshni Oommen (Co-Investigator)	Rose Mol James Akshitha Saji Alwin Emmanuel Reema James	IoT Enabled Cost Effective Braille Printer with an Efficient Embosser	SAINTGITS College of Engineering	14.01.2020 11.00 AM
27	Ashly John Assistant Professor Hanna Mathew (Co-Investigator)	Aiswarya Satheesh Akhila Vinod Arya R Anil Sreya M James	Automated wheelchair using Brain waves and Eyeball.	SAINTGITS College of Engineering	14.01.2020 11.00 AM
28	Dr.V Sampath Kumar Professor Sarin C R (Co-Investigator)	Febin J Nalappat Athul Prasanth Alan Tom Shaji Aswin Sudhan	Low cost electronic Total Station.	Vimal Jyothi Engineering College.	14.01.2020 11.00 AM
29	Dr. Glan Devadhas G Professor	Navami Manoharan Harinand K Shahabas P P	Disaster Monitoring & Alerting System for Flood & Landslide Prone areas of Kerala state Using SCADA.	Vimal Jyothi Engineering College.	14.01.2020 1.00 PM
30	Riya K S Associate Professor Anjana G	Francis T J	Semi-Autonomous Hoverboard	Rajiv Gandhi Institute of Technology (RIT), Kottayam	14.01.2020 1.00 PM
31	Jayadas C K Associate Professor	Yadu Krishnan J	Window Painting Drone	Model Engineering College , Thrikkakara	14.01.2020 1.00 PM

32	Muhammed Ameen P P Assistant Professor. Priya M (Co-Investigator)	Archana Venugopal Athira Manoj Daniya Annamma Abraham Riya Soney	Chuckhole Tracker & Advanced Road Safety	College Of Engineering Kidangoor	14.01.2020 1.00 PM
33	Prof. Jiss Paul AssociateProfessor.	Geethu Rose Joseph Milda Vincent Renjith Sadanandan Vysakh R	Help Aside-A Disaster management System	Mar Athanasius College of Engineering	14.01.2020 2.00 PM
34	Dr Tina P G Assistant Professor. Saji Justus (Co-Investigator)	Amal S Austin J Srampickal Harikrishna R Sarang P P	Automated River Surface Cleaning Robot	College Of Engineering Kidangoor	14.01.2020 2.00 PM
35	Dr. Aji Joy Professor. Jiss Paul (Co-Investigator)	Baslin Abraham James Deepthi Daniel Jaseem K P Joseph Ben	Automated Peltier Heat & Cool Jacket	Mar Athanasius College of Engineering	14.01.2020 2.00 PM
36	Dr. Godwinraj D Assistant Professor. Godfrey D (Co-Investigator)	Akhil K V Anjana N Anagha Santhosh Anitta roy Njavallil	Design Microscale Laser Controlled PCB Engraver & Solder Dispenser Unit	Amal Jyothi College of Engineering	14.01.2020 2.00 PM
37	Dr. Rethoop Raj Assistant Professor Nikhil Binoy C (Co-Investigator)	Akshay V J Amarnath k Athulya S Miswar Ali N B	Surface electromyography Based Prosthetic Limb	NSS College of Engineering Palakkad.	16.01.2020 9.45 AM

38	Dr.Anish M N Associate Professor. Sivakumar K S (Co-Investigator)	Anaswara S Arun M Shijin V	Wearable Gadget for Navigation of Blind People	NSS College of Engineering Palakkad.	16.01.2020 9.45 AM
39	Dr Jobymol Jacob Professor Arun A V (Co-Investigator)	Chandini Shrikumar Megha Annie George Rhea Mariam Boby Susan Lal	FPGA Based Real Time Monitoring system for Precise Drug Dosage Prediction In Parkinson's Disease Patients	Govt. Model Engineering College Thrikkakara	16.01.2020 9.45 AM
40	Reshna S Associate Professor. Sajeena A (Co-Investigator)	Jikkumon Jams Kishor Kumar K Arjun B Shravan S Mohan	Automatic Indian Sign Language Recognition System for Hearing Impaired	TKM College of Engg Kollam	16.01.2020 9.45 AM
41	Dr Nissan Kunju Assistant Professor. Shafi M N (Co-Investigator)	Anandhu Santhosh Melvin Abraham Nadeem Mohammed Shajahan Rohan Prakash	Indoor Swarm UAVs Localisation by Feature extraction using VSLAM & ROS	TKM College of Engg Kollam	16.01.2020 9.45 AM
42	Deepthi Thomas (Co-Investigator) Assistant Professor. Annie Paul	Shelsha Shelji Shilpa P S Megha V Kumar Pretty Varghese	GYRO GLOVE: The Hand Tremor Suppressor	TOC H Institute of Science & Technology	16.01.2020 11.00 AM
43	Dr.Siddharth Shelly Assistant Professor Dr. Aji Joy (Co-Investigator)	Abhay V S Fahida V H Reshma T R Sajan C K	IoT Based Domestic Vertical Farming System	Mar Athanasius College of Engineering	16.01.2020 11.00 AM

44	Suja Markose Assistant Professor	Dinakaran P S Swetha T S Rayeez Naushad Mahesh S Nair	CPR monitor with cardiac output monitoring	Model Engineering college	16.01.2020 11.00 AM
45	Reeju Vargese Assistant Professor	Gopika K M Merin Jose Sethulakshmy P J Sibin Babu	Glove based health monitoring system	Model Engineering college	16.01.2020 11.00 AM
46	Lija Thomas Assistant Professor Dr.Jinsa Kuruvila(co- Investigator)	Aadir Ahamed Aiswarya Paichadathil Athira S Kumar George N J	Petroleum quality checker	MACE Kothamangalam	16.01.2020 1.00 PM
47	Priyanka P Assistant Professor Rohithram T (Co-Investigator)	Athira Ramesan Aswathi Ashokan Josefin Kuruvila	Real time injecting device with automated robust vein detection	College of Engineering Vadakara	16.01.2020 1.00 PM
48	R Jayadevan Assistant Professor	Manjusha p T Drisya Krishna K Athira P N Dharmishta K	Automatic e-ticketing system	GEC Sreekrishnapuram	16.01.2020 1.00 PM
49	Anwar Hussain M Associate Professor	Abhijith A Aiswarya Ghosh Ajith V Aravind R Krishnan	ROVIZ the service robot	GEC Sreekrishnapuram	16.01.2020 1.00 PM
50	Vijeesh V Assistant Professor	Farzeen K M Jayan C Varsha P Suhail Mohammed J	24 X 7 electric scooter service	GEC Sreekrishnapuram	16.01.2020 1.00 PM

COMPUTER SCIENCE & ENGINEERING

Sl No	Name of Principal Investigator	Name of Student Investigators	Title of the Project	Institution	Date & Time of Presentation
1	Dancy Kurian HOD& Assistant Professor Leena Silvester (Co-Investigator)	Jean Johnson Dinesh S Arshaj S H Sheethal Joseph	Project GreenX	College of Engineering Attingal	16.01.2020 9.45 AM
2	Leena Silvester Assistant Professor Dancy Kurian (Co-Investigator)	Abhijith A Adeeb Ashraf T P Akhil Raj R S Renjith R S	Obstacle detecting walking stick for blind	College of Engineering Attingal	16.01.2020 9.45 AM
3	Rafeekh A P Assistant Professor Sreeraj S (Co-Investigator)	Hamna Noufal Nimmi K Snehatheertha N R Sreelakshmi P C	Smart Kitchen garden	College of Engineering Trikaripur	16.01.2020 9.45 AM
4	Prathyusha Purushothaman Assistant Professor Shibili T (Co-Investigator)	Akshay Shekar Chandana M Sreeparna Sreejay O P Thanseer M	Online Tollgate payment and automatic gate opening system	College of Engineering Vadakara	16.01.2020 9.45 AM
5	Meera Chandran Assistant Professor Hinsha K V (Co-Investigator)	Sourav Suresh adithya O Aswin Dev Muhammed Jumail	Automatic bus pass verification using face detection	College of Engineering Vadakara	16.01.2020 11.00 AM
6	Dr.Sobhana N V Professor	Jalumedi Shashank Babu George Thomas Anuvind Krishna	Adaptive traffic signals with real time feed back attached	RIT Kottayam	16.01.2020 11.00 AM

7	Sreeraj S Assistant Professor Rafeek A P (Co-Investigator)	Haritha D K Navaneetha Babu Rasna M V Sreesha K P	IoT based excess food redistribution	College of Engineering Trikaripur	16.01.2020 11.00 AM
8	Muhammed Ilyas H Assistant Professor	K A Ahsana Ramlal R Thomson Mintu Cleetus	Room environment control using face recognition and deep learning.	College of Engineering Cherthala	16.01.2020 11.00 AM
9	Jesna Anver Associate Professor Ceira Sara Cherian (Co-Investigator)	Yadev Jayachandran Rahul Murali Ansa N Varkey Varsha Hari	Sbox-Intelligent automobile blackbox	ToC H Institute of Science & Technology	16.01.2020 11.00 AM
10	Mereen Thomas Assistant Professor Sarju S (Co-Investigator)	Daibin Raju Joel James Alka Augustine Ashna Saji Irene Treesa Jose Aksa Reji Christy Shaji Jeebu Abraham Aniyankunju	Cerberus-four legged robot	St.Joseph's College of Engineering & Technology Palai	16.01.2020 1.00 PM
11	Sarju S Assistant Professor Mereen Thomas (Co-Investigator)	Joel James Alka Augustine Ashna Saji Irene Treesa Jose Aksa Reji Daibin Raju	Black box logging system for drones	St.Joseph's College of Engineering & Technology Palai	16.01.2020 1.00 PM

12	Shejina V Assistant Professor Varun Chand H (Co-Investigator)	Bebeuo Babulazar Athulraj P M Safvan Khaleel V Athul S Prakash	Animal identification with facial images using score level fusion	College of Engineering Vadakara	16.01.2020 1.00 PM
13	Dr.Sreela Sreedhar HOD & Associate Professor Abin Oommen Philip (Co-Investigator)	Abhay P A Jishnu N V Meenakshi K T Yaswanth P S	Vehicular accident forensic analysis using blockchain.	ToC H Institute of Science & Technology	16.01.2020 1.00 PM
14	Ajay James Assistant Professor	Keerthana N Kutty Vishnu Vijay Ajin Plus Michel Yadukrishna P	Sniffer bot	GEC Thrissur	16.01.2020 2.00 PM
15	Aswathy Ravikumar Assistant Professor	Tom Joseph Amith Abraham Rajan Steve Maria Waltin Savio Rajan K	Food computer project	Mar Baselios College of Engineering and Technology, Trivandrum	16.01.2020 2.00 PM
16	Dr.Jisha John Assistant Professor	Amal Saju K Athul C K	Smart assistance using sixth sense technology	Mar Baselios College of Engineering and Technology, Trivandrum	16.01.2020 2.00 PM
17	Remya R S Assistant Professor Manoj Ray D (Co-Investigator)	Siddharth P S Amal O P Abhijith U G Jithin Raj	Realtime detection of helmetless riders using CCTV	College of Engineering Karunagappally	17.01.2020 9.45 AM

18	Soumya Sara Koshy Assistant Professor Nithin Prince John (Co-Investigator)	Neetha Mariam Sam Punnoose K Thomas Sreya Jain Tobji Sharooque K P	Fall detection using human pose estimation	Saintgits College of Engineering Kottayam	17.01.2020 9.45 AM
19	Binu A Assistant Professor	Aaqib Mohammed Sali Ashil Mohammed Rafeek Shama Anjoom Sarin A J	Tiny lamport.E-low cost portable computational cluster suite for education and training in modern concurrent programming platforms at undergraduate level using single board computers	Rajagiri School of Engineering & Technology	17.01.2020 9.45 AM
20	Dr.Arun K S Assistant Professor Santhosh Kumar G S (Co-Investigator)	Kevin Sebastian Chris Kunnel Thomas	Wearable human interface device (WHID) and universal remote.	Amal Jyothi College of Engineering Kottayam	17.01.2020 9.45 AM
21	Ajini A Assistant Professor Praveen A N (Co-Investigator)	Else Paul Isac Vinod Krishnan R H Atul Madhusudhana Panicker Ashrith M V	A GPS-GSM predicated KSRTC bus tracking system monitored in a mobile application.	GEC Idukki	17.01.2020 11.00 AM
22	Rahul C Assistant Professor Dr.Arathi T (Co-Investigator)	Zayaan Fazal M G Bony Immanuel	Audible spectrum depth imaging using deep learning	LBS College of Engineering Kasaragod	17.01.2020 11.00 AM
23	Akhil chandran Miniyadan Assistant Professor Rafeekh A P (Co-Investigator)	Malavika Ramdas K Malini Krishna Santhwana Ashokan Sruthi K V	Emergency vehicle priority and self organizing traffic control at intersections using IoT	College of Engineering Trikaripur	17.01.2020 11.00 AM

24	Shibily Joseph Associate Professor Prof.Anuraj N (Co-Investigator)	Anjali Raj K Musthafa O M Navaneeth Krishnan P Nikhil P	VARUNA (AI-ROBOT) a.k.a Autonomous Marine debris detection and collection robot	GEC Palakkad	17.01.2020 11.00 AM
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CHEMICAL ENGINEERING

Sl No	Name of Principal Investigator	Name of Student Investigators	Title of the Project	Institution	Date & Time of Presentation
1	Dr.Praseetha P Nair Assistant Profesor	Arya Kanjily Aswin M R Nithin T Raj Chippy K S	Synthesis of micro encapsulated phase change materials for solar energy storage and photo thermal conversion.	GEC Thrissur	13.01.2020 11.00 AM

BIOTECHNOLOGY AND BIOCHEMICAL ENGINEERING

Sl No	Name of Principal Investigator	Name of Student Investigators	Title of the Project	Institution	Date & Time of Presentation
1	Dr.Shalini A Nair Associate Professor Dr.P.Roopa (Co-Investigator)	munshida P Sradha S Aswathy A Akshay S	Comparative analysis of co-digestion of waste glycerol with biomass	Mohandas College of Engineering, Nedumangad	13.01.2020 9.45 AM
2	Dr K M Usha HoD Prathibha S Nair (Co-Investigator)	Aiswarya K S Ardra V Sunil Parvathy Visakh	Mathematical Modelling & Simulation of Fluidized Bed Reactor for the decomposition of Ammonium Nitrate & reduction of oxides of Nitrogen emissions.	Mohandas College of Engg & Technology.	13.01.2020 9.45 AM

3	Susmitha Kumari Assistant Professor Rajitha J Rajan (Co-Investigator)	Aakash Muralidharan Allen Souj	Physiochemical efficiency of constructed wetlands in the treatment of Automobile waste water	SCT College of Engg Pappanamcode	13.01.2020 9.45 AM
4	Rohini S Assistant Professor Baji K (Co-Investigator)	Aparna Ajithkumar Aswin Raj P Floriya Antony Lakshmi Santhosh	Novel Target using Quercetin Delivery System for Prevention & treatment of cancer stem cells.	SCT College of Engg Pappanamcode	13.01.2020 9.45 AM
5	Dr.P A Solomon Professor	Divya N Sreerag A V Tiwin Joseph Yadukrishna	Improvement of biodegradability of phenol using Electro oxidation	Govt Engg College Thrissur	13.01.2020 11.00 AM