

## STUDENT PROJECT LIST SELECTED FOR PRESENTATION 2021 - 2022

### MECHANICAL ENGINEERING

Sl No	Name of Principal Investigator	Name of Student Investigators	Title of the Project	College	Date & Time slot
1	Dr. Rittin Abraham Kurien Assistant Professor	Ashwin Santhosh Daniel Paul Gowrisankar B Kurup Greshma Susan Reji	Finite Element Analysis and Experimental Investigations on Natural Fiber Composites from Vetiver and Jute for Sustainable, Eco-friendly and Commercial Applications: Development, Mechanical and Morphological Property Estimation.	Saintgits College of Engineering, Kottayam	24.03.2022 10 AM -10.20 AM
2	Venkitaraj KP Assistant Professor	Aneesh A Arun B Aswathy Elizabeth Jacob Aswathy Ramesh	Thermal Management of Photovoltaic Cell using PCM FOR Improved Efficiency and Power Output	College of Engineering Adoor	24.03.2022 10.20 AM -10.40 AM
3	Anand Sekhar R Assistant Professor	Abhinand S Babu Adithya U R Althaf Muhammed Yasin E K	Designing a novel AlZrNbTa Refractory High Entropy Alloy (REA) with enhanced properties.	TKM College of Engineering,Kollam	24.03.2022 10.40 AM -11 AM
4	Mohamed Shahid P. A Assistant Professor	Sreekanth M. Midhun Murali Abhinand A. Nandu Mohan	Design of a 2 DOFs Driving Mechanism for a Motion Assisted Finger Exoskeleton	TKM College of Engineering,Kollam	24.03.2022 11 AM - 11.20 AM

5	Abi Varghese Assistant Professor	Abhishek Prasad Albin Alex Uzhuva Ananthu Ramesh Ansan P Sam	Ergonomic modification and bio-mechanical analysis of the rubber tapping knife (michie golledge knife ) for improving body posture of rubber tapper.	Amal Jyothi College of Engineering, Kanjirappally	24.03.2022 11.20 AM - 11.40 AM	
6	Kiran Christopher Assistant Professor	Vishnu Saji Saju Marydasan Sannan	Abin Thejas Ajith	Tribological and emission analysis of vegetable oil blended with nano particles as a green lubricant in IC engines	Mar Athanasius College of Engineering, Kothamangalam	24.03.2022 11.40 AM - 12 PM
7	Dr. Biju C V Professor	Jobin C J Edwin Anto Amal Paulson Mariya Shobby		Development and testing of resonance free mechanical structures for enhanced stability in dynamic conditions	Jyothi Engineering College Thrissur	24.03.2022 12 PM - 12.20 PM
8	Dr. Rajesh Baby Associate Professor	Bilbin Mathew Paul Vargheson Alan Philip Rajan		Development of an automatic height adjusting pillow to relieve chronic neck pain (cervicalgia).	St. Joseph's College of Engineering and Technology Palai.	24.03.2022 1.20 PM -1.40 PM
9	Babusanker S Assistant Professor	Anish George Antony Juswin Joseph Bibin Mathew Emmanuel K George		Experimental investigation on passive thermal management of Li-ion batteries with plate fin enhanced phase change materials	St. Joseph's College of Engineering and Technology Palai.	24.03.2022 1.40 PM - 2.00 PM
10	Jose Tom Tharappel Assistant Professor	Amal Joseph Ashish Mathew Manuel K Sojan Noel Siby		Rubber Tree Skirting system	St. Joseph's College of Engineering and Technology, Palai	24.03.2022 2.00 PM - 2.20 PM
11	Ivin Jose Assistant Professor	Thimothy Benny Akhil Krishnan Genesis J Cheruvallil Benchamin Tomy		tool design and fabrication of hybrid electro discharge grinding setup for microchannels	St. Joseph's College of Engineering and Technology, Palai	25.03.2022 10 AM -10.20 AM
12	Dr. Rejeesh CR Associate Professor	Amal Baby Ananthu P A Arjun K Udayan Ashin Antony Babu		Development of fire-retardant mycelium bio-composite panels for acoustic insulation applications.	Federal Institute of Science and Technology, Ernakulam	25.03.2022 10.20 AM -10.40 AM
13	Harish T M Assistant Professor	Nandu Krishnan A U Nasmal Navas Sreekanth K.A		Development and fabrication of Al 7075 composite reinforced with industrial waste and clay	Federal Institute of Science and Technology, Ernakulam	25.03.2022 10.40 AM -11 AM

14	Dr. Premchand V P Assistant Professor	Akhil A J Arjun P Sharma Pranav J B Rahul Prasad	Design of an airbag for motorcyclists	Mar Baselios College of Engineering and Technology, Trivandrum	25.03.2022 11 AM - 11.20 AM
15	Melvin Jacob Assistant Professor	Adarsh S Nair Qadharsh Raj R S Aswanth S Kumar Binosh M	Cooling of disc shaped electronic components using nano fluids	Mar Baselios College of Engineering and Technology, Trivandrum	25.03.2022 11.20 AM - 11.40 AM
16	Sidharthan S Assistant Professor	Abin Krishna V S Cherian G Kazhunnady Davis James Girinath P A	Design and development of an automated system for assisting agriculture	RIT Kottayam	25.03.2022 11.40 AM - 12 PM
17	Dr. Manu V Thottakkad Assistant Professor	Abhijith P V Chithran K S	Property Evaluation of Nano Grease Produced from Vegetable Oil	Government Engineering College Kozhikode	25.03.2022 12 PM - 12.20 PM
18	Dr. Trijo Tharayil Associate Professor Co-Investigator Mr. Aswin Mohan Assistant Professor	Akhil A R Akhil Kumar K S Akhil Sankar Aswin Yesodharan	Thermal management of batteries in electric vehicles using pulsating heat pipe	Sree Buddha College of Engineering, Pattoor, Nooranad.	25.03.2022 1.20 PM -1.40 PM
19	Dr.Gibin George Assistant Professor	Glen Robert Abdul Basith Alins Benny Febin AP	Design and Fabrication of hydrogen run cooking stove driven by a photovoltaic cell	SCMS School of Engineering and Technology Vidya Nagar, Karukutty.	25.03.2022 1.40 PM - 2.00 PM
20	VIPIN VIJAYAN Assistant Professor Co-Investigator RONY THOMAS MURICKAN Assistant Professor	GREGORY JAMES ABHINAV SYAM NANDU V NATARAJ PREJITH KUMAR P V	Value addition of banana pseudostem and fish scales in developing novel biocomposite for bone tissue engineered scaffold applications.	Muthoot Institute of Technology and Science, Ernakulam	25.03.2022 2.00 PM - 2.20 PM

### ELECTRONICS & COMMUNICATION ENGINEERING

Sl No	Name of Principal Investigator	Name of Student Investigators	Title of the Project	College	Date & Time slot
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1	Geevarghese Titus Associate Professor	Wafa A Gafur	Real Time drosiness detection using fusion of facial features.	Amal Jyothi College of Engineering, Kanjirappally	25.03.2022 10 AM -10.20 AM
2	V. Praseeda Lekshmi Professor	Keerthi Nair Sangeetha.B Aditya Anoop Harikrishnan G	Traffic Surveillance System and Criminal detection using image Processing and deep Learning	College of Engineering Perumon	25.03.2022 10.20 AM -10.40 AM
3	Archa. A. B Assistant Professor	Anagha Jyotish Fathima.M Gayathry.S Sangeetha Santhosh	Foresight for visually impaired people.	College of Engineering Perumon	25.03.2022 10.40 AM -11 AM
4	Dr.Georgina Binoy Joseph Associate Professor	Akshara Sajeewan Ann Mary Abraham Aswathy Meria Peter Honeymol M Jose	SMART MIRROR	Toc H Institute of Science and Technology, Ernakulam	25.03.2022 11 AM - 11.20 AM
5	Girish.P Assistant Professor	Anagha Biju Betty George KP Manjulika Sneha Baby.KX	ACCI-LERT SYSTEM	Toc H Institute of Science and Technology, Ernakulam	25.03.2022 11.20 AM - 11.40 AM
6	Rajesh.MS Assistant Professor	Sanjith.S Nimmy John Gowri Menon B Abhijith	Autonlatic Fload Cleaning Sanitizing Robot	College of Engineering Chengannur	25.03.2022 11.40 AM - 12 PM
7	Jinu Jayachandran Assistant Professor	Aslam.ek Asif Sartaj Mohammed Adil Ashraf Mohammed rameesh CV	Smart Class room	GEC Wayanad	25.03.2022 12 PM - 12.20 PM
8	Dr. Sarah Jacob Associate Professor	Vishal B Nayana Girish Shamnad S	Pill Dispenser	College of Engineering Chengannur	25.03.2022 12.20 PM -12.40 PM
9	ASWATHY N ASSISTANT PROFESSOR	AISHA MEHRIN K I ASWANI M RAVI AUSHIN JOSE MANJOORAN FARHAN NAJEEB FINTO SHAJAN	MED-MATE	Adishankara Institute of Engineering and Technology, Ernakulam	25.03.2022 1.45 PM - 2.05 PM

10	Neema M Assistant Professor	Abin P Xavier Arjun Suraj Govind VJ Adeeb Abubacker	Dual control floor cleaning robot with sanitizing facility	Adishankara Institute of Engineering and Technology, Ernakulam	25.03.2022 2.05 PM - 2.25 PM
11	Jyothis.R Assistant Professor	Vishnu B Vinod Abel. S. Varghese Divya T.P Akshay Kannan	Robotic Doctor	TKM College of Engineering, Kollam	25.03.2022 2.25 PM - 2.45 PM
12	Lalu V Assistant Professor	Aparna E Divya G Meera S M HarinI	Automated Vacuun Cleaner	College of Engineering Trivandrum	25.03.2022 2.45 PM - 3.05 PM
13	Sindhu N Associate Professor	Abhirami G S      Lasitha E      Rigzin Dolma Sezna Bijumon	Negative emotion alert system	College of Engineering Trivandrum	25.03.2022 3.05 PM - 3.25 PM
14	Subha P S Associate Professor	Abhyshek R Srtutyhy Selvan Pereira Alka Gilbert D Sabarish	Braille printer	Marian Engineering College, Trivandrum	25.03.2022 3.25 PM - 3.45 PM
15	Lizy Abraham	Aleena Padmadas Anjana Vijayan Anna Lekshmi S Sruthy S Nair	Prenatal Care System	LBS Institute of Technology for Women, Thiruvananthapuram	25.03.2022 3.45 PM - 4.05 PM
16	Deebu U S Assistant Professor	Aanand R Bhatt      Arjun Ananthu Krishnan      Shifas C O      Shajahan	Smart door system with COVID-19 risk factor evaluation, contactless data acquisition and sanitization.	College of Engineering, Adoor	26.03.2022 10 AM -10.20 AM
17	Dr. Aji Joy Associate Professor	Sruthi G Panicker Ijaz E      Ephraim Mathai	Design of a swam of drones for courier service.	Mar Athanasius College of Engineering, Kothamangalam	26.03.2022 10.20 AM -10.40 AM
18	Anu Raj Assistant Professor	Anju Sosa John Greeshma Thomas Sona Susan Zacharia	IoT based real time air & noise pollution alert system for asthma and angina patients.	Saintgits College of Engineering Kottayam	26.03.2022 10.40 AM -11 AM

19	Harinarayanan Namboothiri M G Assistant Professor	Arjun K S Abhijith Arun Anpin Mary John Kevin Kallikunnil Varghese	Isolation Robot (ISO-BOT) for patient health care.	Saintgits College of Engineering Kottayam	26.03.2022 11 AM - 11.20 AM
20	RAKESH V S ASSISTANT PROFESSOR	VIJAY P K SIMI C P KARTHIKA K K VISHNUNARAYAN C A	Smart Cloakroom Rack System for Temples and Shopping Malls	Vidya Academy of Science and Technology, Thalakkottukara	26.03.2022 11.20 AM - 11.40 AM
21	Joby James Assistant Professor	Abhijith S Adarsh S Syam Saseendran	Detecting buried human bodies using ground penetrating radar in FPGA.	College of Engineering, Kidangoor	26.03.2022 11.40 AM - 12 PM
22	Dr. Silpa S Prasad Assistant Professor	Joe M Thomas Meenakshy Shanej Munna Thampi Sandra Ajay	VANET ON WHEELS	College of Engineering, Kidangoor	26.03.2022 12 PM - 12.20 PM
23	Dr. Madhukumar S Professor	Prince Jose Vijay Varghese Amal Varghese Jubin Thomas	Borewell rescue robot	St. Joseph's College of Engineering & Technology, Palai	26.03.2022 12.20 PM -12.40 PM
24	Anto Manuel Assistant Professor	Adithya Sunil, Ben Alphin Binny, Jobin Benny Roshan Rajeev	An Intelligent Device To Predict Cloud Burst	St. Joseph's College of Engineering and Technology, Palai.	26.03.2022 1.45 PM - 2.05 PM
25	Arun J S Assistant Professor	Miladh Muhammed S Vishnu P Kumar Joshin Samuel	ROS based autonomous hospital assistant robot	Mar Baselios College of Engineering and Technology, Trivandrum,	26.03.2022 2.05 PM - 2.25 PM
26	Dr. M J Jayashree Professor	Aswin Nandu A C Harikrishna Sharma Gokul G S Tushar Kumar	Gesture controlled stair climbing wheelchair	Mar Baselios College of Engineering and Technology, Trivandrum,	26.03.2022 2.25 PM - 2.45 PM
27	Dr.Jayakumari.J Professor	Jobin J, Rohith M, Visakh Neelakantan	Development of IOT based energy autonomous parking sensor device	Mar Baselios College of Engineering and Technology, Trivandrum,	26.03.2022 2.45 PM - 3.05 PM

28	Manu Mohan C M Assistant Professor	Joheon C P Joseph Paul Linto Thomas Rajeev K R	Sign language to speech converter using machine design	Federal Institute of Science and Technology, Ernakulam	26.03.2022 3.05 PM - 3.25 PM
29	Sreevidya P Assistant Professor	Gokul Rejitkumar Godson Thomas	Integrated communication system for deaf and mute	Federal Institute of Science and Technology, Ernakulam	26.03.2022 3.25 PM - 3.45 PM
30	S Sundararajan Assistant Professor	Bilal Ibrahim P A Rajeena R Sony Shajan	Fruits adulteration detection system	Federal Institute of Science and Technology, Ernakulam	26.03.2022 3.45 PM - 4.05 PM
31	Sreejith S Assistant Professor	Akshay Dinesh Harshad T Anaz Moideen Sivadas Athulraj V K	Agribot (Agriculture Robot)	Government Engineering College, Kozhikode	01.04.2022 10 AM -10.20 AM
32	Dr. Bindima T Assistant Professor Co-Investigator Titto Anujan Assistant Professor	P V Vivek Kumar Hithesh Kumar K.A K Yadukrishnan Melvin Manuval Alestin Chummar	Gesture - controlled Augmentative and Alternative Communication Device	Government Engineering College, Kozhikode	01.04.2022 10.20 AM - 10.40 AM
33	Dr. Abdu Rahman V Assistant Professor	Megha T P Reshma N Merin Thresia T Shilpa Unni	IoT based public vehicle tracking system	Government Engineering College, Kozhikode	01.04.2022 10.40 AM - 11 AM
34	Abubeker K M Assistant Professor Co-Investigator K G Satheesh Kumar Professor and HoD	Abey Joshy Arunima Tressa George G Gopika	Hardware and Open Source Software Deployment for Real-Time Monitoring of Hyperglycemia and Hypoglycemia Using Non-Invasive Biosensors and Machine Learning approaches.	Amal Jyothi College of Engineering Kanjirapally	01.04.2022 11 AM - 11.20 AM
35	Vinoj PG Assistant Professor	Akhil Paulson Jeslin Marry Sajeew Kavya Krishna Nisha Benny	IOT powered Intelligent Bio- degradable Mask and Gloves Disposal Unit for COVID 19	SCMS School of Engineering and Technology , Karukutty	01.04.2022 11.20 AM - 11.40 AM

36	Dr. Shoba Gopalakrishnan Associate Professor	Sreeram M Aleena Sara Varghese Sindhoora Harsha Daniel	Anti-drone Detection System.	Muthoot Institute of Technology & Science, Ernakulam	01.04.2022 11.40 AM - 12 PM
37	Prof. Nikhil Binoy C Associate Professor	Sreeja Balaji Vismaya K Jinsha C	Detection of Pipeline Crack and Clog detection Robot using Convolutional Neural Network.	NSS College of Engineering, Palakkad	01.04.2022 12 PM - 12.20 PM
38	KEERTHI KRISHNAN K Assistant Professor	Abhishek.A Govind Vijayan Vishnu Nismi PT	Smart Assistance Glove with Gesture Recognition.	NSS College of Engineering, Palakkad	01.04.2022 12.20 PM -12.40 PM
39	Prof. Anas.M Assistant Professor	Arya Suresh Nithu Raveendran Jesin Vengilatt Muhammed Shahid .K	Underwater Drone	Government Engineering College, Wayanad	01.04.2022 1.45 PM - 2.05 PM
40	Shafi.MN Assistant Professor	Vipin Krishna V Krishnanunny.S Rajasree.S Fathima.A	Multipurpose Hybrid VTOL UAVs	TKM College of Engineering, Kollam	01.04.2022 2.05 PM - 2.25 PM
41	Dr. Nissan Kunju Assistant Professor	Agilezuevy K.R Shravana A.J Shahina S Devapriya J.	Design and Implementation of a cost-effective portable Electrical neuromuscular Stimulator.	TKM College of Engineering, Kollam	01.04.2022 2.25 PM - 2.45 PM
42	Prof. Amina N Assistant Professor	Anagha M Das Akhila Raveendran Mohammed Jaris J Neethu K	IoT empowered smart farming	TKM College of Engineering, Kollam	01.04.2022 2.45 PM - 3.05 PM
43	Dr. Upama Rajan M N Assistant Professor	Aparna A Ajith Jayan Ashly C. Dhanu Sidharth S	IOT based SMART IRRIGATION SYSTEM	RIT Kottayam	01.04.2022 3.05 PM - 3.25 PM
44	Deepa J Professor	Abhishek P B Adithya Anil Anjali Balakrishnan Athena Anna Sabu	Wild Elephant Intrusion Detection System using Image Processing Techniques	College of Engineering Chengannur	01.04.2022 3.25 PM - 3.45 PM



### ELECTRICAL & ELECTRONICS ENGINEERING

Sl No	Name of Principal Investigator	Name of Student Investigators	Title of the Project	College	Date & Time slot
1	Rahul Charles CM Assistant Professor	Ajindu N S Jino Varghese Nikhil Prasad Roshan Suresh	Multifunctional Onboard Power Electronic Converter for Electric Vehicles	College of Engineering Perumon	31.03.2022 10 AM - 10.20 AM
2	Deepa Sankar Associate Professor	Abhirami J Jusail M Faisal Reghunandan R Shenoy Rathi Nethra R	A Solar PV based Smart EV charging System with V2G operation for Grid support	Adishankara Institute of Engineering and Technology, Ernakulam	31.03.2022 10.20 AM - 10.40AM
3	Saritha M Assistant Professor	Vivek VS Sabari S Asan John Britto Karthik S	Water Cleaning Vacuum Pump and Quality	College of Engineering Perumon	31.03.2022 10.40 AM - 11 AM
4	Sherin Joseph Assistant Professor	Adithya Ahalya A Kumar Amrutha Mohan Shravan Sa	Smart cap for visually impaired	College of Engineering, Chengannur	31.03.2022 11 AM - 11.20 AM
5	Nesihath MK Assistant Professor	Mohammed Fayis M V Kiran K M Adeeb Sameer Ahmed Ajsal U P	Smart Micro-grid Energy Management System Considering Vehicle to Grid Technology	MES College of Engineering, Malappuram.	31.03.2022 11.20 AM - 11.40 AM
6	Jisha VR Associate Professor	Ashna Nizam Aysha S Hasna M Rafi Rosemary Mathew	Design and development of a pond cleaning robot	College of Engineering Trivandrum	31.03.2022 11.40 AM - 12 PM
7	Sera Mathew Assistant Professor	Bibin Thomas Jis N George Joyal George      Rohan Abraham John	Electric bicycle	Mar Athanasius College of Engineering, Kothamangalam	31.03.2022 12 PM - 12.20 PM
8	Geethu James Assistant Professor	Akshay Johnson C Amrutha Jerin George Munna Mani	Landslide detection and warning system	Mar Athanasius College of Engineering, Kothamangalam	31.03.2022 12.20 PM - 12.40 PM

9	Ninu Joy Assistant Professor	Abhishek Mohan Adwaith S Alfiya Subair Anto Jose	Performance analysis of a complete EV powerstrain using a microcontroller and Matlab simulink	Mar Athanasius College of Engineering, Kothamangalam	31.03.2022 1.45 PM - 2.05 PM
10	Dr. John George Professor	Sajin S Ridhu S Devadarsh S B	Individual Load Monitoring and Control Device for Residential Building	College of Engineering, Adoor	31.03.2022 2.05 PM - 2.25 PM
11	Dr.N. Mahendran HOD	Abrar Ahmad Mallah Jerlin P Varghese Joenty Jose Mathew Philip	Hybrid Outdoor Lighting System using Gravitational Force	Saintgits College of Engineering, Kottayam	31.03.2022 2.25 PM - 2.45 PM
12	Adil Naseer assistant Professor	Akhil P P Meera Usman Rino Sebastian Tijo Tomy	Transmission line simulator with SCADA	College of Engineering Kidangoor	04.04.2022 10 AM - 10.20 AM
13	Dr. S. N. Kumar Assistant Professor Co-Investigator Neenu Rose Antony Assistant Professor	Alen J James Andrew Dixen Naamah Susan Saji Riya Thomas	Portable Embedded System for Stress measurement- An aid for Human Health Care	Amal Jyothi College of Engineering, Kanjirappally	04.04.2022 10.20 AM - 10.40 AM
14	Dr. Unnikrishnan P C Professor Co-Investigator Thomas K P Assistant Professor	Ann Mary Innocent Arya K S Muhammed Mishal Anwar Naveen Premasundaran	AQUABOT	Rajagiri School of Engineering & Technology, Ernakulam	04.04.2022 10.40 AM - 11 AM
15	Dr. Jayanand B Professor Co-Investigator Dr. Divya Nath K Associate Professor	Kajal CT Parvathi KM Angel Joyson Joshua Jolly	A Prototype of an Arduino-Based Smart Protection System to Overcome Voltage Variations	SCMS School of Engineering & Technology, Karukutty	04.04.2022 11 AM - 11.20 AM
16	AMBILI MOHAN Assistant Professor	Abhijeet Ashramath Sheryl Sara Joy Suhail Razi Thanzeela K.A	Controller Design and Implementation of Two Wheeled Self-Balancing Robot	Muthoot Institute of Technology & Science, Ernakulam	04.04.2022 11.20 AM - 11.40 AM

17	Aravind Rajagopal	Akshay Kumar S Amritha Ashokan N Pranav Krishna     Sandra B S	Design and Development of Pico Hydropower plant in High rise buildings	Muthoot Institute of Technology & Science, Ernakulam	04.04.2022 11.40 AM - 12 PM
18	Dr. Chikku Abraham Vice Principal & Professor	Basil Saju             Jones Mathew Cleetus       Leo Benn Dominic       Midhun Raj M	Investigation of a Novel Totem Pole Converter Using WBG Devices for On Board EV Chargers	Muthoot Institute of Technology & Science, Ernakulam	04.04.2022 12 PM - 12.20 PM
19	Beena M Varghese Associate Professor & HOD	Alby Shajan Jestin Roy Nihal Shaji	Smart Electric Motorcycle.	Mar Athanasius College of Engineering Kothamangalam	04.04.2022 12.20 PM - 12.40 PM
20	Dr. Mathew P Abraham Assistant Professor	Bharat Vinod             Binitha Merlin Philip             Emil Roy Navami Dileep	Design and Development of Inverted Pendulum Balancing Drone	TKM College of Engineering, Kollam	04.04.2022 1.45 PM - 2.05 PM
21	Dr. Mohammed Mansoor O Assistant Professor	Anandu Ajayan Ajay Babu Anilbabu Athul Krishnan Nevin Binu	Low Cost Electronically Commutated Mixer Grinde	TKM College of Engineering, Kollam	04.04.2022 2.05 PM - 2.25 PM
22	Venugopalan Kurupath Associate Professor	Fadil Farooq Meenakshi S Riya Vinod Shabana M B	Development of Low Cost User Friendly Audiometric System	Muthoot Institute of Technology & Science, Ernakulam	04.04.2022     2.25 PM - 2.45 PM

### CIVIL ENGINEERING

Sl No	Name of Principal Investigator	Name of Student Investigators	Title of the Project	College	Date & Time slot
1	Yashida Nadir Associate Professor	Swaliha PC Vybhav A Nambiar Vishnupriya ES Shehina SS	Tensile,Bond strength properties of FRCM, and its strengthening effects on Structural Elements	College of Engineering Trivandrum.	30.03.2022 10 AM - 10.20 AM

2	Kannan K Assistant Professor	Aarcha MS Adarsh S Nair Ijas Ahamed Neha Felix	Effect of Geocell Reinforcement on Lateritic soils with Underground Void	Marian Engineering College Trivandrum	30.03.2022 10.20 AM - 10.40 AM
3	Soorya S R Assistant Professor	Abdul Fayad Mohammed Yafi Shalima RS Ahmad Shiras Pooja Ajin	Automated Waste Segregator	Marian Engineering College Trivandrum	30.03.2022 10.40 AM - 11 AM
4	Lea Mathew Associate Professor	Govind Jayakumar Abhirami P Aswana B Saurav Purushothaman	Prevalence of microplastics in table salt, sea water and beach sands of Trivandrum city	College of Engineering Trivandrum.	30.03.2022 11 AM - 11.20 AM
5	Panjarni K Assistant Professor	Aleena Garvasis Apsara S Baiju Gayathri S Kumar Gokul S	Study on Effectiveness of Mobile sensors in detecting subsurface cavities- A step towards early detection of cavities at Kerala	Federal Institute of Science and Technology, Ernakulam	30.03.2022 11.20 AM - 11.40 AM
6	Sherin Mathew Assistant Professor	Abhiram S Madhu Anakha S Karthik Santhosh Sifa Raisa S H	Blind spot detectors at A- Pillars for Road Safety	Mar Baselios College of Engineering and Technology, Thiruvananthapuram	30.03.2022 11.40 AM - 12 PM
7	Dr. M Satyakumar Professor	Bijin S Russel Merlin P K Sandra A L Visakh S R	Two wheeler curve detection and pollution warning systems	Mar Baselios College of Engineering and Technology, Thiruvananthapuram	30.03.2022 12 PM - 12.20 PM
8	Dr. Aju Mathew George Assistant Professor	Mileen Mariam Philip Jessmi Kurien Sonu Sara Francis Jerish M Nayas	Algal biomass for potential biosorption of toxic phenolic compounds and heavy metals from wastewater: equilibrium, kinetic and regeneration studies.	Amal Jyothi College of Engineering, Kanjirapally	30.03.2022 12.20 PM - 12.40 PM

9	Dr. Nimi Ann Vincent Assistant Professor Co-Investigator Anaswara S Assistant Professor	Neethu S Jomol Mariam Joseph Thomas P Joseph Roja S Emmanuel	A preliminary experimental study of mitigating coastal sand dune erosion by microbially induced carbonate precipitation (micp) using laboratory microcosm.	Amal Jyothi College of Engineering, Kanjirapally	30.03.2022 1.45 PM - 2.05 PM
10	MS.Lakshmi Priya Assistant Professor	Aparna Russel Nihal Latheef Prithviraj KR Ranjana Raj	Environmental Forensic investigation of contaminated land at Eloor Kerala and a proposal to apportion the liabilities among multiple polluters	SCMS School of Engineering & Technology, Karukutty, Ernakulam	30.03.2022 2.05 PM - 2.25 PM
11	Dr Mary Lissy P N Associate Professor	Adithyan P S, Shefil C, S Afeeque, Thazneem A Saleem	Residential W energy system	Muthoot Institute of Technology & Science, Ernakulam	30.03.2022 2.25 PM - 2.45 PM
12	Dr. Priya K L Assistant Professor	Gayathri H Gowtham Mohan Gopika Sankar M S Sreelekshmi S	Tidal and physico-chemical effects on the distribution of chlorophyll-a in the Ashtamudi estuary, India and Chikugo estuary, Japan	TKM College of Engineering Kollam	30.03.2022 2.45 PM - 3.05 PM
13	Dr. Priya K L Assistant Professor	Abhijith R Nair Abhinand A S Vikhnesh C R Vishnu Raj	A coupled RSGIS-Fuzzy Logic Model for Evaluation of Eutrophication Status of Freshwater Lakes	TKM College of Engineering Kollam	30.03.2022 3.05 PM -3.25 PM

### COMPUTER SCIENCE & ENGINEERING

Sl No	Name of Principal Investigator	Name of Student Investigators	Title of the Project	College	Date & Time Slot
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1	Sreedeepea H S Assistant Professor	Janus Jerome Anandakrishnan G M Swathy Suresh Anagha Suresh	Smart Alarm and Notification System Using Deep Learning Technology	College of Engineering Adoor	01.04.2022 10 AM -10.20 AM
2	Rakesh R J Assistant Professor	Ajith Krishna SA Bona Das Vijaya Lekshmi MV Gokul Krishna VS	Smart Aquaponics System	College of Engineering Muttathara	01.04.2022 10.20 AM - 10.40 AM
3	Soja Salim Assistant Professor	S Aravind P Lakshmi Sara Sulthana Shaji	Satellite Imagery to map translation	SCT College of Engineering, Pappanamcode	01.04.2022 10.40 AM - 11 AM
4	Dr. Elizabeth Isaac Assistant Professor	Anju C A Jesvin Varghese Labeeb E V	Wearable hand device for sign language prediction and audio output.	Mar Athanasius College of Engineering, Kothamangalam	01.04.2022 11 AM - 11.20 AM
5	Dr. Praseetha V M Associate Professor	Anjana V M Tinu Sam Mariam Shaji Tressa Mary Joseph	Gesture based device controlling system	St. Joseph's College of Engineering and Technology Palai.	01.04.2022 11.20 AM - 11.40 AM
6	Sreeja S R Assistant Professor	Aparna LS, Chelsia Eapen, Muthulakshmi S, Paliyath S Aju	Surround Perception and Audio Directing Device	Mar Baselios College of Engineering and Technology, Trivandrum	02.04.2022 10 AM -10.20 AM
7	Ashly Joseph Assistant Professor Co-Investigator Elsaba Jacob Assistant Professor	Vivek Antony J.Jeshwin T.F. Mohammed Fahad Vishnu Madhav Das	Energy Efficient IoMT Based Smart Band Using Machine Learning	Toc H Institute of Science and Technology Ernakulam	02.04.2022 10.20 AM - 10.40 AM
8	Dr. Soniya B Professor	Sukanya M V Arun T Jose Aarcha J R	Multimodal FakeNews Detection using hybrid RNN-CNN approach	SCT College of Engineering. Pappanamcode	02.04.2022 10.40 AM - 11 AM
9	Dr. Anu V R	Elvis Thomas Anandhakrishnan Amal Gautham Salim	Enhanced Blockchain Based Cloud Forensics Architecture	SCMS School of Engineering and Technology, Ernakulam	02.04.2022 11 AM - 11.20 AM

10	Dr. Rosebell Paul Assistant Professor	Mr.Neeraj M Mr.Neeraj Sagar Mr.Vaibhav Nair Mr.Yadukrishnan PS	An AI Based Swarm Wheel fot system to detect Cracks in Railway Tracks.	SCMS School of Engineering and Technology, Ernakulum, Karukutty	02.04.2022 11.20 AM - 11.40 AM
11	Dr.Maya Mohan Associate Professorand Head	AmalRosh, AnolJoseph, C Vyshanv Prasanth SouravMenon	Intrusion Detection in Home IoT Network Using Deep Learning.	NSS COLLEGE OF ENGINEERING, PALAKKAD	02.04.2022 11.40 AM -12 PM

### CHEMICAL - BIOTECHNOLOGY & BIO CHEMICAL - FOOD TECHNOLOGY

Sl No	Name of Principal Investigator	Name of Student Investigators	Title of the Project	College	Date & Time Slot
1	Dr. Vishnu M Assistant Professor	Digin Tense Jubin Biju Thomas Sreelakshmi NV Sruthy Jayasankar	Biodegradable Chitosan-Based Film for Food Packaging	Amal Jyothi College of Engineering Kanjirappally	24.03.2022 9AM - 9.20 AM
2	Dr. Vishnu M Assistant Professor	Thomas J Kallapurakel Jithin Jacob	Microbial Oil from Wastewater	Amal Jyothi College of Engineering Kanjirappally	24.03.2022 9.20 AM - 9.40 AM
3	Femina A Associate Professor	Ansi AS Devipriya Mudiyl Hina Mol Yadu Krishnan V	Removal of Heavy Metal from Water using Agro-waste	TKM College of Engineering, Kollam.	24.03.2022 9.40 AM - 10 AM
4	Shan S Assistant Professor	Amal Manoj Harilal M Mekha Das Saaniga S	Upgradation of Petroleum Coke through removal of Vanadium &Sulphur	TKM College of Engineering, Kollam.	24.03.2022 10 AM - 10.20 AM
5	Priwiya Peter Assistant Professor	Arjun R Govind Pradeep Karna Manoj E Vishnu CM	Development of Polymer Composite with Polypropylene and Carbon micro fiber for automobile Applications.	Saintgits College of Engineering, Kottayam	24.03.2022 10.20 AM - 10.40 AM
6	Dr.Habeeb Muhammed M A Assistant Professor	Anitha Jose Joseph Martin Parvathy Santhosh Bhadrn Vishnu Sahadev	Fabrication of NIR luminescent gols nanocluster NIR Plasmonic Copper Sulphide nanoparticle hybrid for bioapplications	TKM College of Engineering Kollam	24.03.2022 10.40 AM - 11 AM

7	Dr. Shalini A Nair Associate Professor	Adithya.CV	Biosensing of stress Biomarkers	Mohandas College of Engineering and Technology, Trivandrum	30.03.2022 10.00 AM - 10.20 AM
8	Vineetha Lekshmy P V Assistant Professor	Aiswarya Nair Akhila C J Karun R Vinod Swathi Santhosh	Synthesis and Characterization of Organic Fertilizer Hybrid Nanocomposite Based on Mixed Cellulosic Composition of Banana Peel, Orange Peel, Glyricidia, Green Tea and Cinnamon and Layered Hydrogel Nanosheet	Sree Chitra Thirunal College of Engineering, Pappanamcode	30.03.2022 10.20 AM 10.40 AM
9	SHAMNAMOL G K Asst. Professor Co-Investigator Dr Jaya Mary Jacob Associate Professor	Ms. Sruthi J Nair Ms. Sredha J Nair	Bio-Synthesize of Zinc oxide Nanoparticles Using Banana Empty Fruit Bunch Extract for Corrosion Mitigation	Sree Buddha College of Engineering, Pattoor	30.03.2022 10.40 AM - 11.00 AM
10	Biju Jacob Assistant Professor Co-Investigator Gayathri V Assistant Professor	Albin L Vinod Aswathy p Chandran Manya Madhu.B Naveen Antony	Comparitive Study of Methods for restoration of biological soil crust in ecosystems disturbed by excessive surface runoff	Sree Chitra Thirunal College of Enggineering, Pappanamcode	30.03.2022 11.00 AM - 11.20 AM
11	Smt Gayathri V Assistant Professor Co-Investigator Biju Jacob Assistant Professor	Devi Krishna Diya Sharma Jeswin Elizabeth James Navaneeth Subash	Comparitive Study of biohydrogen Production in Microalgae and bacteria through fermentation process	Sree Chitra Thirunal College of Enggineering, Pappanamcode	30.03.2022 11.20 AM - 11.40 AM
12	Biju Jacob Assistant Professor Co-Investigator Vineetha Lekshmy PV Assistant Professor	Anslet Mary Abhinav Anil Anupama SS V Reshmi	Analysis and Optimisation of Process Parametres for Improving the Self Healing Capacity of Immobilized Bacteria Based Concreate	Sree Chitra Thirunal College of Enggineering, Pappanamcode	30.03.2022 11.40 AM - 12.00 PM
13	Dr. Girilal M Associate Professor	Azraha Fathima Fathima Nahaz Nikhila Merian Kurian Sherin tom	Ppreparation and characterisation of eggshell-nano clay based bio degradable film	Saintgits College of Engineering, Kottayam	30.03.2022 12.00 PM - 12.20 PM