

RSM 2021-COMPUTER SCIENCE & ENGINEERING

| SL NO | NAME OF PRINCIPAL INVESTIGATOR | TITLE OF PROJECT | NAME OF COLLEGE | DATE & TIME SLOT |
|-------|---|---|---|------------------------------|
| 1 | Nisha J R Assistant Professor | Combined approach to software vulnerability detection using Deep learning | Marian Engineering College | 10-05-2021 1 PM - 1.30 PM |
| 2 | Poorna B R Assistant Professor | Healthcare recommender system using hybrid filtering technique | Mar Baselios College of Engineering and Technology Trivandrum | 10-05-2021 1.30 PM - 2 PM |
| 3 | Dr. Manish T I Professor | An Application for collaborative mapping the flood using Crowd sourced Data | Adi Shankara Institute of Engg. & Technology (ASIET) | 10-05-2021 2 PM - 2.30 PM |
| 4 | Gokulnath G Assistant Professor | Agricultural land monitoring and insurance system using intelligent smart contracts for agricultural farmers in India | Saintgits college of Engineering, Kottayam. | 10-05-2021 2.30 PM - 3 PM |
| 5 | Vidya K R Assistant Professor | Development of an Advanced Image Forgery Detection System for supporting Cyber Forensics in Kerala | Saintgits college of Engineering, Kottayam. | 10-05-2021 3 PM - 3.30 PM |
| 6 | Jestin Joy Assistant Professor | Investigating the effectiveness of gesture based learning framework for deaf students | Federal Institute of Science And Technology (FISAT) | 10-05-2021 3.30 PM - 4 PM |
| 7 | Susmi Jacob Assistant Professor | ContextAuth – An implicit Authentication system for Smartphones | SCMS School of Engineering & Technology | 11-05-2021 1 PM - 1.30 PM |
| 8 | Dr. Deepika M P Associate Professor | Two in One System for Baby Diaper and Sanitary Napkin Disposal. | Adi Shankara Institute of Engineering and Technology | 11-05-2021 1.30 PM - 2 PM |
| 9 | DR. Lizy Abraham Assistant Professor | WESAT - Development of a Payload for the Comparison of Solar Irradiance and UV Index Measurements at Space with respect to the Monitoring Station at LBSITW Campus in Thiruvananthapuram City | LBS Institute of Technology for Women | 11-05-2021 2 PM - 2.30 PM |

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| 10 | M. Gokilavani Assistant Professor | D-GLASS: The AI Based Care Giver for Dementia Patients. | Adi Shankara Institute of engineering and Technology | 11-05-2021 2.30 PM - 3 PM |
| 11 | Rakhee M Assistant Professor | Blockchain Based Framework for Enhancing Trust During Various Phases of Research Publication | Muthoot Institute of Technology and Science, | 11-05-2021 3 PM -3.30 PM |

RSM 2021-ELECTRICAL AND ELECTRONICS ENGINEERING

| SL NO | NAME OF PRINCIPAL INVESTIGATOR | TITLE OF PROJECT | NAME OF COLLEGE | DATE & TIME SLOT |
|-------|--------------------------------------|--|---|-------------------------------|
| 1 | Sherin Joseph Assistant Professor | Design and development of a High Frequency Transformer | College of Engineering Chengannur | 11-05-2021 10 AM -10.30 AM |
| 2 | Amalu Philip Assistant Professor | Development of high speed localized protection scheme for DC ring microgrid. | Saintgits college of Engineering, Kottayam. | 11-05-2021 10.30 AM -11 AM |
| 3 | Haseena A Assistant Professor | Development of Stable Nano Fluid for Transtormer Insulation | RIT Kottayam | 11-05-2021 11 AM -11.30 AM |
| 4 | Prathibha P K Assistant Professor | Parametric modeling and analysis of electric vehicle (EV) for optimized performance | Rajagiri School of Engineering and Technology | 11-05-2021 11.30 AM -12 PM |
| 5 | Jim George Assistant Professor | Design and Implementation of Robust controller for the maneuver of Under Actuated System | Muthoot Institute of Technology and Science | 11-05-2021 12 PM -12.30 PM |

RSM 2021-BASIC SCIENCE

| SL NO | NAME OF PRINCIPAL INVESTIGATOR | TITLE OF PROJECT | NAME OF COLLEGE | DATE & TIME SLOT |
|-------|---|---|--|------------------------------|
| 1 | Dr. Reenu Elizabeth John Assistant Professor | Enhanced microwave absorption of carbon allotrope polymer composite through improved electric and magnetic properties | Saintgits College of Engineering, Kottayam | 14-05-2021 11 AM-11.30 AM |

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| 2 | Dr. Sona Narayanan Assistant Professor | Development of Thiophene based Copolymers for Photovoltaic Applications | Federal Institute of Science and Technology | 14-05-2021 11.30AM-12PM |
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RSM 2021-CIVIL ENGINEERING

| SL NO | NAME OF PRINCIPAL INVESTIGATOR | TITLE OF PROJECT | NAME OF COLLEGE | DATE & TIME SLOT |
|-------|--|--|---|--------------------------------|
| 1 | Y K Remya Assistant Professor | Geometric design consistency evaluation criteria for two lane rural combined curves based on vehicle lateral stability | SCMS School of Engineering and Technology | 15-05-2021 9.30 AM - 10 AM |
| 2 | Cherian C K Assistant Professor | Design Catalogues for Emulsion Treated Base Layers | Saintgits College of Engineering Kotlayam | 15-05-2021 10 AM - 10.30 AM |
| 3 | Dr. Aju Mathew George Assistant Professor | Microbial Fuel Cell: A Green Approach for Utilization of Waste and Generation of Bioelectricity | Amal Jyothi College of Engineering | 15-05-2021 10.30 AM - 11 AM |
| 4 | Sunil Mathew Roy Assistant Professor | Structural health monitoring and damage assessment by the application of structural power flow and conventional acceleration matching concept. | MACE Kothamangalam | 15-05-2021 11 AM - 11.30 AM |
| 5 | Panjami K Assistant Professor | Mapping of soil piping susceptible areas using integrated geophysical approach. | Federal institute of Science and Technology, Angamaly | 15-05-2021 11.30 AM - 12 PM |

RSM 2021-ELECTRONICS AND COMMUNICATION ENGINEERING

| SL NO | NAME OF PRINCIPAL INVESTIGATOR | TITLE OF PROJECT | NAME OF COLLEGE | DATE & TIME SLOT |
|-------|-----------------------------------|---|---|-------------------------------|
| 1 | Dr. Arun P Associate Professor | COVBOT -An IoT based intelligent wall mount multi-functional screening system | St. Joseph's College of Engineering & Technology, Palai | 17-05-2021 10 AM -10.30 AM |

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| 2 | Binson V A Assistant Professor | Analysis of human exhaled breath volatile organic compounds using electronic nose system for pulmonary diseases | Saintgits College of Engineering, Kottayam | 17-05-2021 10.30 AM - 11 AM |
| 3 | VINOJ P G Assistant Professor | Brain Actuated Assistive Technology for the paralyzed | SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY | 17-05-2021 11 AM - 11.30 AM |
| 4 | Ajith Ravindran Assistant Professor | Investigation towards the use of Spectroscopic Techniques and Chemometrics in the Rapid Identification of Coconut Oil Adulteration | Saintgits College of Engineering, Kottayam | 17-05-2021 11.30 AM - 12 PM |
| 5 | Dhanya R Assistant Professor | Processing of 205 MHz ST-RADAR data for heavy rainfall prediction using Artificial Neural Networks. | Toc H Institute of Science & Technology, Arakunnam, Ernakulam | 17-05-2021 12 PM - 12.30 PM |
| 6 | AJAY KUMAR Associate Professor | IoT Based Smart Environmental Monitoring and Controlling System | Adi Shankara Institute of Engineering and Technology, Kalady | 17-05-2021 1.30 PM - 2 PM |
| 7 | Dr. Bipin P R Associate Professor | Development of a Contactless Fog Computing based System for COVID'19 Detection and Continuous Cardiac Health Monitoring using Deep Learning | Adi Shankara Institute of Engineering and Technology, Kalady | 17-05-2021 2 PM - 2.30 PM |
| 8 | Binu Manohar Assistant Professor | LEMS: LOW-COST ENVIRONMENT MONITORING SYSTEM FOR URBAN AREAS | Muthoot Institute of Technology & Science | 17-05-2021 2.30 PM- 3 PM |

RSM 2021-CHEMICAL ENGINEERING

| SL NO | NAME OF PRINCIPAL INVESTIGATOR | TITLE OF PROJECT | NAME OF COLLEGE | DATE & TIME SLOT |
|-------|-------------------------------------|---|---|------------------------------|
| 1 | Dr. Vishnu M Assistant Professor | Adsorptive removal of trivalent and pentavalent arsenic from aqueous solution using Ilmenite rich sand. | Amal Jyothi College of Engineering Kottayam | 17-05-2021 2 PM - 2.30 PM |

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| 2 | Dr. Eldho Abraham Assistant Professor | Miniaturisation of chemical process systems into mesoscale droplet flow channels for performance intensification | Saintgits College of Engineering, Kottayam | 17-05-2021 2.30 PM - 3 PM |
| 3 | Dr. Lisha K P Assistant Professor | Development of nanoscale manganese dioxide based filter system for the removal of iron contamination from water | Saintgits College of Engineering, Kottayam | 17-05-2021 3 PM - 3.30 PM |
| 4 | Priwiya Peter Assistant Professor | Development of polypropylene based carbon fabric/carbon nanotube composite sheets for automobile applications | Saintgits College of Engineering, Kottayam | 18-05-2021 2 PM - 2.30 PM |
| 5 | Dr. C Ajith Assistant Professor | Development of a replenishable, selfsanitizing hydrophobic film for daily contact surfaces | Saintgits College of Engineering, Kottayam | 18-05-2021 2.30 PM - 3 PM |
| 6 | Ranjana R Assistant Professor | Preparation and characterisation of carbon supported catalyst from industrial by products for conducting oxidation/ reduction reaction. | GEC Thrissur | 18-05-2021 3 PM - 3.30 PM |

RSM 2021-MECHANICAL ENGINEERING

| SL NO | NAME OF PRINCIPAL INVESTIGATOR | TITLE OF PROJECT | NAME OF COLLEGE | DATE & TIME SLOT |
|-------|---|---|-------------------------------------|------------------------------|
| 1 | Dr. Aneesh Kumar P Assistant Professor | Micro-structural evolution during rolling and joining of 5A - niobium stabilized duplex stainless steel. | NSS College of Engineering Palakkad | 18-05-2021 2 PM - 2.30 PM |
| 2 | Dr. Anand Sekhar R Assistant Professor | Fine grained Al-Nb-Ta-Ti-Zr Refractory High Entropy Alloys processed through powder metallurgy route: Analysis of phase evolution and properties. | TKM College of engineering Kollam | 18-05-2021 2.30 PM - 3 PM |
| 3 | Ajimshad A Assistant Professor | Thermo-structural investigations on ionic liquid modified carbon fiber epoxy composites in a cryogenic environment | TKM College of engineering Kollam, | 18-05-2021 3 PM - 3.30 PM |

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| 4 | Binu Thomas Associate Professor | Investigation on the effect of process parameters during friction stir welding of Al-Li and AZ3 alloys. | Amal Jyothi College of Engineering | 18-05-2021 3.30 PM - 4 PM |
| 5 | Dinu George Assistant Professor | Experimental Investigation of a Photo-Voltaic Thermal (PVT) Collector Integrated Mixed Mode Drying System with PCM based Thermal storage for drying of Cassava. | St. Joseph's College of Engineering and Technology, Palai. | 18-05-2021 4 PM - 4.30 PM |
| 6 | Eldho Paul Assistant Professor | Experimental investigation.on combined effect of dynamic hot wire feeding and geometric configuration on a TIG welding process. | Mar Athanasius College of Engineering Kothamangalam | 18-05-2021 4.30 PM - 5 PM |
| 7 | Jeffin Johnson Assistant Professor | Development of Strontium based A17075-WC composite and the investigation on the enhancement of characteristics of Automobile and Aerospace components by the effect of Friction stir and Extrusion processes | Rajagiri School Of Engineering And Technology,Ernakulam | 19-05-2021 2 PM - 2.30 PM |
| 8 | Jithin P N Assistant Professor | Numerical and experimental study on the aerodynamic characteristics of shape optimised airfoils for generating flight worthy adaptive wings for UAV | Rajagiri School of Engineering & Technology, Kochi | 19-05-2021 2.30PM-3PM |
| 9 | Dr. MANU REMANAN Assistant Professor | Hybrid nano composites based on Acrylonitrile Butadiene Styrene (ABS), Aluminium Nitride Nanoparticles & Multiwalled Carbon Nanotubes for Automotive and Industrial applications: Mechanical, Thermal, Wear & Microstructural analyses | Saintgits College of Engineering Pathamuttom P.O.. Kotlayam | 19-05-2021 3 PM - 3.30 PM |

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| 10 | Sailesh K S Assistant Professor | Synthesis and Characterization of Surfactant-Modified Hybrid Catalytic Nanoparticles and its Application as Fuel Additives in Four-Stroke Diesel Engine fueled by Diesel Blended with Biodiesel derived from Coconut Oil for Sustainable and Eco-Friendly Future | Saintgits College of Engineering | 19-05-2021 3.30 PM - 4 PM |
| 11 | Dr. SUMANLAL M R Associate Professor | Development and Management of Waste Cooking Oil (WCO) Bio-Diesel Engine with Ion Sensor Technology | Federal Institute of Science and Technology, | 19-05-2021 4PM-4.30PM |
| 12 | Dr. Vishal John Mathai Assistant Professor | Study on application of Tapioca Starch Slime as a carrier medium for Abrasive Flow Finishing of EDMed surfaces. | Amal Jyothi College of Engineering | 19-05-2021 4.30PM-5PM |