

SRM Institute of Science and Technology
DEPARTMENT OF MECHANICAL ENGINEERING
ICRAMER 2021
TIMETABLE

| | | | | | | | | | |
|-----|--|--|---|--|---|---|--|---|---------------------|
| S.N | Date: 15.04.2021 | | | | Day 1 | | | Meeting link | 9.30 AM To 4.00 PM |
| 1 | Inaugural Function | | | | | | | https://zoom.us/j/97327400935?pwd=NWpjRzR0UjBSVjhaRi9NZk9Fd2pnUT09 | 9.30-10.30 AM |
| 2 | Plenary Session I Dr. Jaharah A. Ghani Formation of nanostructured machined surface of AISI 4340 in a cryogenic environment. | | | | | | | https://zoom.us/j/97327400935?pwd=NWpjRzR0UjBSVjhaRi9NZk9Fd2pnUT09 | 10.30 - 11.00 AM |
| 3 | Plenary Session II Prof. Dr. G.L. Samuel Recent Advances in Manufacturing | | | | | | | https://zoom.us/j/97327400935?pwd=NWpjRzR0UjBSVjhaRi9NZk9Fd2pnUT09 | 11.00 - 11.30AM |
| 4 | Session 1 Composites/Materials https://meet.google.com/sqh-eksu-uzk | Session 2 Design/Optimization https://meet.google.com/zvi-ghoy-dks | Session 3 Energy/Sustainability https://meet.google.com/qpi-imyd-ivg?hs=122&authuser=0 | Session 4 Machining https://meet.google.com/upm-waky-pny | Session 5 Manufacturing meet.google.com/zqi-yxwu-gss | Session 6 Miscellaneous meet.google.com/bfu-cxti-vaa | Session 7 Robotics https://meet.google.com/ios-rfnv-fgt?hs=122&authuser=0 | Session 8 Composites/Materials https://meet.google.com/yas-txpd-vmr | 11.30 AM To 1.00 PM |
| 5 | Invited Talk - I Prof. Dr. R. Karthic Narayanan Industry 4.0: Opportunities and challenges for a Small and Medium Enterprise (SME) | | | | | | | https://meet.google.com/wmj-urxe-drg | 1.30 - 2.00 PM |
| 6 | Invited Talk - II Dr. Munish Jindal Artificial Intelligence & Robotics : Transforming Academia to Industry | | | | | | | https://meet.google.com/wmj-urxe-drg | 2.00 - 2.30 PM |
| 7 | Session 9 Design/Optimization https://meet.google.com/nxm-rxcg-upz | Session 10 Energy/Sustainability https://meet.google.com/lookup/f6r4vt3wwu | Session 11 Machining https://meet.google.com/lookup/eixa6k77c7?authuser=0&hs=179 | Session 12 Manufacturing https://meet.google.com/pvj-emri-zdz | Session 13 Miscellaneous meet.google.com/ivr-ggnc-fwu | Session 14 Robotics https://meet.google.com/pwc-kkdt-ivg?hs=122&authuser=0 | Session 15 Composites/Materials https://meet.google.com/qzb-ytrs-fhh | Session 16 Design/Optimization meet.google.com/bzc-wyea-kon | 02.30 PM To 4.00 PM |
| | Date: 16.04.2021 | | | | Day 2 | | | Meeting link | 9.30 AM To 4.00 PM |
| 8 | Plenary Session III Dr. Manidipto Mukherjee Robotic wire arc based additive manufacturing | | | | | | | https://meet.google.com/ewo-imwz-scw | 9.30 - 10.00 AM |
| 9 | Invited Talk - III Dr. R. Thyagarajan Conceptualization to Product Realization - An Industry Perspective | | | | | | | https://meet.google.com/ewo-imwz-scw | 10.00 - 10.30 AM |
| 10 | Invited Talk - IV Dr. Sagar Telrandhe Effect of heat treatment on Machinability of Titanium alloy | | | | | | | https://meet.google.com/ewo-imwz-scw | 10.30 - 11.00 AM |
| 11 | Session 17 Manufacturing https://meet.google.com/sqh-eksu-uzk | Session 18 Robotics https://meet.google.com/zvi-ghoy-dks | Session 19 Composites/Materials https://meet.google.com/mcn-zhfr-izc?hs=122&authuser=0 | Session 20 Design/Optimization https://meet.google.com/upm-waky-pny | Session 21 Thermal Analysis / Energy/Sustainability meet.google.com/cre-cmfp-axy | Session 22 Manufacturing meet.google.com/bfu-cxti-vaa | Session 23 Composites/Materials/Miscellaneous https://meet.google.com/gdt-ebeg-bva | Session 24 Manufacturing https://meet.google.com/mhx-kouh-mdh | 11.00 AM To 1.00 PM |
| 12 | Session 25 Miscellaneous https://meet.google.com/khp-ignv-woq | | Session 26 Miscellaneous/ Energy/Sustainability https://meet.google.com/dft-ocfq- | | Session 27 Composites/Materials https://meet.google.com/pcg-tfsr-txz | | Session 28 Design/Optimization https://meet.google.com/ngn-twtr-fyp | | 2.00 PM to 3.00 PM |
| 13 | Valedictory Address Prof. Dr. Prashanth Konda Gokuldoss Metal Additive Manufacturing: Compositional design to parameter optimization | | | | | | | https://zoom.us/j/92699887375?pwd=dnhWY0Y2czU0azJPYnZycVBOUkl5Zz09 | 3.00 PM To 4.00 PM |

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SRM Institute of Science and Technology
DEPARTMENT OF MECHANICAL ENGINEERING
ICRAMER 2021
TENTATIVE SESSION PLAN FOR ORAL PRESENTATION

| Sl.No. | Paper ID | TITLE OF PAPER | Session Number | Date of Presentation | Time of Presentation | TOPIC | Meeting link |
|------------------|----------|---|----------------|----------------------|----------------------|----------------------|---|
| SESSION 1 | | | | | | | |
| 1 | M102 | Investigation of stress-strain behavior of nanocrystalline copper-tantalum alloy using simulation approach Mahesh Kumar Gupta | session 1 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/sqh-eksu-uzk |
| 2 | M103 | Experimental analysis on the mechanical properties of biodegradable PLA composite with jute and hemp reinforcement A.Felix sahayaraj | session 1 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/sqh-eksu-uzk |
| 3 | M105 | PLA based Bio Composite - Comprehensive Review A.Felix sahayaraj a , M.Muthukrishnan a , M. Kannan, R.Prem kumar a , S.S. Dhanaprabhu | session 1 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/sqh-eksu-uzk |
| 4 | M106 | Removal of Iron from Ground Water Using Low Cost FilterTechnique S.Vanitha *, Dr. N. K. Rajan and Shaik Mehar Afroz Begum | session 1 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/sqh-eksu-uzk |
| 5 | M107 | NO2 adsorption on rGO modified Pd-SnO2 for sensor applications: A DFT study Akshya S * & Vimala Juliet A | session 1 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/sqh-eksu-uzk |
| 6 | M117 | INVESTIGATION ON DIMENSIONAL DEVIATION AND SURFACE ROUGHNESS OF INCONEL 603 XL PLATE THROUGH WIRE ELECTRICAL DISCHARGE MACHINING S. DHANABALAN , GR. KISHOREKUMAR , R. MANOJ, M. HARIHARAN | session 1 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/sqh-eksu-uzk |
| 7 | M127 | To investigate the mechanical characterisation of glass fiber epoxy composite laminates and Glass fibre reinforced with SiC powder. Arjun Sharma, Rahul N Patel | session 1 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/sqh-eksu-uzk |
| 8 | M132 | Designing Hybrid Ionic Polymer-Metal Composite with Improved Performance for Soft Robots K. Sai Krishna Chaitanya, P. Shubhabrata Datta | session 1 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/sqh-eksu-uzk |
| 9 | M133 | Effect of Chemical Resistance on Aluminum Oxide and Silicon Carbide (1:1) Filled Woven E-Glass Fiber Reinforced Epoxy Composites. Rahul Sharma and Rahul Sen | session 1 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/sqh-eksu-uzk |

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|------------------|----------|--|----------------|----------------------|----------------------|---------------------|---|
| SESSION 2 | | | | | | | |
| 10 | M112 | Improvement of Green Sand-mould quality using Taguchi technique S BOOPATHI, V. GOPINATH, K.GOKUL, B.DHEIVEGAN, S.DILIP KUMAR | session 2 | 15-04-2021 | 11.30 AM to 1.00 PM | Design/Optimization | https://meet.google.com/zvj-ghoy-dks |
| 11 | M114 | Design and evaluation of manual material handling equipment for the pump manufacturing industry Mr. P. Ashok* | session 2 | 15-04-2021 | 11.30 AM to 1.00 PM | Design/Optimization | https://meet.google.com/zvj-ghoy-dks |
| 12 | M118 | Fixture Layout Optimization for Thin Plate Welding using Taguchi Method and Response Surface Methodology S.Selvakumar , G.Prabakaran | session 2 | 15-04-2021 | 11.30 AM to 1.00 PM | Design/Optimization | https://meet.google.com/zvj-ghoy-dks |
| 13 | M119 | FAULT ASSESMENT OF 3PHASE FLAMEPROOF INDUCTION MOTOR V.Vetriselvan, D.Ananthapadmanaban 2C.Manimaran3 M.Sakthivel | session 2 | 15-04-2021 | 11.30 AM to 1.00 PM | Design/Optimization | https://meet.google.com/zvj-ghoy-dks |
| 14 | M129 | Application of Fuzzy logic in Additive Manufacturing: A Review C.Arvind, | session 2 | 15-04-2021 | 11.30 AM to 1.00 PM | Design/Optimization | https://meet.google.com/zvj-ghoy-dks |
| 15 | M160 | Design and Optimization of a Reusable Space Launch Vehicle Rakesh S, Akilan S, Barath S, Dr. R. Manikandan | session 2 | 15-04-2021 | 11.30 AM to 1.00 PM | Design/Optimization | https://meet.google.com/zvj-ghoy-dks |
| 16 | M162 | PARAMETRIC OPTIMIZATION OF TOTAL HIP IMPLANT USING ANN Resmi S.L, Hashim V, Jesna Mohammed, P.N Dileep | session 2 | 15-04-2021 | 11.30 AM to 1.00 PM | Design/Optimization | https://meet.google.com/zvj-ghoy-dks |
| 17 | M166 | Numerical investigations on bicycle suspension improvement by the use of Negative Stiffness Method Divya D, Venkata Ramana M, Jagadeesh V | session 2 | 15-04-2021 | 11.30 AM to 1.00 PM | Design/Optimization | https://meet.google.com/zvj-ghoy-dks |
| 18 | M167 | Enhance the effect of process parameters on microcrack generation of machining borosilicate glass using abrasive water jet machining process Kingshuk Mukherjeea, T.Geethapriyanb*, Shilpi Shikha Saikiac | session 2 | 15-04-2021 | 11.30 AM to 1.00 PM | Design/Optimization | https://meet.google.com/zvj-ghoy-dks |

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|------------------|----------|--|----------------|----------------------|----------------------|-----------------------|---|
| SESSION 3 | | | | | | | |
| 19 | M122 | Integration of Solar and Human Thermal Energy for Bio-Medical Wearable Devices S.Indirani*, Sridhar Arjunan, Varun Mony Abraham and Swaroop Santhosh | session 3 | 15-04-2021 | 11.30 AM to 1.00 PM | Energy/Sustainability | https://meet.google.com/gpi-jmyd-ivg?hs=122&authuser=0 |
| 20 | M128 | Optimal Utilization of Reactive Power Capability of Distributed Solar PV Inverter in Distribution Systems Mohsina Nazir * , Arjun Tyagi , V. V. Tyagi | session 3 | 15-04-2021 | 11.30 AM to 1.00 PM | Energy/Sustainability | https://meet.google.com/gpi-jmyd-ivg?hs=122&authuser=0 |
| 21 | M150 | BIOMATERIALS BASED ENERGY SOURCE FOR ELECTRICAL VEHICLES: A REVIEW Dr. M. Easwaramoorthi, A.ARUNRAJA,V.KATHIRVEL, S.V.KEERTHIVASAN, K.NAVEEN | session 3 | 15-04-2021 | 11.30 AM to 1.00 PM | Energy/Sustainability | https://meet.google.com/gpi-jmyd-ivg?hs=122&authuser=0 |
| 22 | M152 | Effects of CuO Nano Additives on Performance and Emission Characteristics of Putranjiva Biodiesel J.Arunprasad , T.Jayakumar , *R.Thirugnanasambantham R.Rajesh, S.Sugumar and T.Elango | session 3 | 15-04-2021 | 11.30 AM to 1.00 PM | Energy/Sustainability | https://meet.google.com/gpi-jmyd-ivg?hs=122&authuser=0 |
| 23 | M156 | Review paper on growth of renewable energy sector in J&K and Ladakh Shailender Mohan Sharma, Dr. Sanjeev Anand | session 3 | 15-04-2021 | 11.30 AM to 1.00 PM | Energy/Sustainability | https://meet.google.com/gpi-jmyd-ivg?hs=122&authuser=0 |
| 24 | M201 | A Prospective on Electric Vehicles in India: Scope and Barriers Muskan Sharma*, Arjun Tyagi1, V. V. Tyagi, | session 3 | 15-04-2021 | 11.30 AM to 1.00 PM | Energy/Sustainability | https://meet.google.com/gpi-jmyd-ivg?hs=122&authuser=0 |
| 25 | M207 | Development of Solar operated Seed Sowing and Water spraying machine S. Balakrishnan , K. Rajesh , P. Sivaraman , S. S. Tanikasalam , K. Panneer selvam | session 3 | 15-04-2021 | 11.30 AM to 1.00 PM | Energy/Sustainability | https://meet.google.com/gpi-jmyd-ivg?hs=122&authuser=0 |
| 26 | M210 | Infusion of Solar Photovoltaic and Biomass Plants into Micro-Grid for reliable power supply in rural areas: A Review Shailender Mohan Sharma , S. Anand | session 3 | 15-04-2021 | 11.30 AM to 1.00 PM | Energy/Sustainability | https://meet.google.com/gpi-jmyd-ivg?hs=122&authuser=0 |
| 27 | M221 | Advancements in Solar Still with and without thermal energy storage Azlee Anjum and V.V. Tyagi | session 3 | 15-04-2021 | 11.30 AM to 1.00 PM | Energy/Sustainability | https://meet.google.com/gpi-jmyd-ivg?hs=122&authuser=0 |

SRM Institute of Science and Technology
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|------------------|----------|---|----------------|----------------------|----------------------|-----------|---|
| SESSION 4 | | | | | | | |
| 28 | M121 | Experimental analysis and optimization of machinability of superalloys using carbide inserts V Veeranaath*, Sai Krishna, Nitheesh S.K | session 4 | 15-04-2021 | 11.30 AM to 1.00 PM | Machining | https://meet.google.com/upm-waky-pny |
| 29 | M123 | MITIGATION OF SECONDARY SPARK IN ELECTRO-DISCHARGE MACHINING OF MICRO HOLES USING COATED ELECTRODES Naveen Anthuvan Ra, Krishnaraj Va, Jayakrishnan Nampoothiria, Devi Rb | session 4 | 15-04-2021 | 11.30 AM to 1.00 PM | Machining | https://meet.google.com/upm-waky-pny |
| 30 | M124 | Effect of cutting parameters on dry turning of Austenitic Stainless Steel (316L) Aby M Philip*, Dr. Kalyan Chakraborty | session 4 | 15-04-2021 | 11.30 AM to 1.00 PM | Machining | https://meet.google.com/upm-waky-pny |
| 31 | M136 | Novel Synthesizing and Optimization of EDM for Electrode Wear Rate and Metal Removal Rate of Copper Metal Matrix Composite Reinforced with Tungsten Carbide Duraivam.S a , Suresh.P b , Jamuna.E | session 4 | 15-04-2021 | 11.30 AM to 1.00 PM | Machining | https://meet.google.com/upm-waky-pny |
| 32 | M151 | A Comparative Study on Drilling and End-Milling Characteristics on Banana and Human hair Fibres composite material BOOPATHI, SAMPATH, V. GOPINATH, K.GOKUL, B.DHEIVEGAN, S.DILIP KUMAR | session 4 | 15-04-2021 | 11.30 AM to 1.00 PM | Machining | https://meet.google.com/upm-waky-pny |
| 33 | M197 | Finite element simulation of machining superalloys using carbide inserts V Veeranaath*, Sai Krishna, Nitheesh S.K | session 4 | 15-04-2021 | 11.30 AM to 1.00 PM | Machining | https://meet.google.com/upm-waky-pny |
| 34 | M204 | Investigation on Effect of TiN, TiAlN & DLC -Triple Layer Coated Carbide Tool in Machining of Al-Si 4032 Alloy Kamatchi Hariharan.M, b Ravikumar.K, c M.D.Rajkamal | session 4 | 15-04-2021 | 11.30 AM to 1.00 PM | Machining | https://meet.google.com/upm-waky-pny |
| 35 | M216 | EVALUATION OF OPTIMUM PROCESS PARAMETERS FOR END MILLING OF EN24 MATERIAL USING REGRESSION ANALYSIS AND FUZZY LOGIC R.Murugan, G.Gnanakumar, G.SenthilKumar and N.Nithyanandan | session 4 | 15-04-2021 | 11.30 AM to 1.00 PM | Machining | https://meet.google.com/upm-waky-pny |
| 36 | M217 | Performance Evaluation of Laser Surface Textured Tools during Dry Machining of Aluminium Alloy AA2024 R.Gowri Manohar, Dr.K.Duraivelu | session 4 | 15-04-2021 | 11.30 AM to 1.00 PM | Machining | https://meet.google.com/upm-waky-pny |

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|------------------|----------|---|----------------|----------------------|----------------------|---------------|---|
| SESSION 5 | | | | | | | |
| 37 | M120 | Experimental investigations on surface roughness during Ultrasonic Assisted Turning of Titanium alloy Umasekar V G*, Sriram Nandakumar, Jibran Ahmed, Stalin John M R | session 5 | 15-04-2021 | 11.30 AM to 1.00 PM | Manufacturing | meet.google.com/zqi-yxwu-gss |
| 38 | M125 | Machine Vision Based Enhanced Self-Navigation for Agricultural Mobile Robot M. Ramkumar and M. R. Stalin John | session 5 | 15-04-2021 | 11.30 AM to 1.00 PM | Manufacturing | meet.google.com/zqi-yxwu-gss |
| 39 | M130 | Technology Overview of Metal Additive Manufacturing Processes Pratheesh Kumar S , Naveen Anthuvan R, Ramakrishna J R, Sanjith Raj S, Sachin Dhaman P M, Santhosh Kumar M | session 5 | 15-04-2021 | 11.30 AM to 1.00 PM | Manufacturing | meet.google.com/zqi-yxwu-gss |
| 40 | M134 | Investigation And Optimization Of Piston Head And Air Flow Through The Combustion Chamber Using CFD M. Easwaramoorthi and S. Balakrishnan | session 5 | 15-04-2021 | 11.30 AM to 1.00 PM | Manufacturing | meet.google.com/zqi-yxwu-gss |
| 41 | M135 | Characterization of Biomasses Suitable for Gasification Sanjaya Kumar Mishra, Premananda Pradhan, Shakti Prakash Jena | session 5 | 15-04-2021 | 11.30 AM to 1.00 PM | Manufacturing | meet.google.com/zqi-yxwu-gss |
| 42 | M138 | Mechanical behavior of Carbon fiber reinforced sheets: Numerical investigation on ANSYS Rajesh Kumar M A * , Abdul Zubar Hameed , Nandhini N | session 5 | 15-04-2021 | 11.30 AM to 1.00 PM | Manufacturing | meet.google.com/zqi-yxwu-gss |
| 43 | M139 | Experimental and numerical investigations on the effect of tool geometry in single point incremental forming Pratheesh kumar S*, Elangovan S, Boopathi S | session 5 | 15-04-2021 | 11.30 AM to 1.00 PM | Manufacturing | meet.google.com/zqi-yxwu-gss |
| 44 | M141 | Performance and optimization analysis for micro canal using analysis of variance Abdul Zubar Hameed * | session 5 | 15-04-2021 | 11.30 AM to 1.00 PM | Manufacturing | meet.google.com/zqi-yxwu-gss |
| 45 | M144 | INVESTIGATION AND ANALYSIS OF LIGHTWEIGHT ELECTRIC BIKE STRUCTURES Dr.M. Easwaramoorthi, J. Keerthiaravind, V. Piraneash, S. Muruganatham | session 5 | 15-04-2021 | 11.30 AM to 1.00 PM | Manufacturing | meet.google.com/zqi-yxwu-gss |

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| SESSION 6 | | | | | | | |
| 46 | M176 | Violent Activity Detection Using Optical Flow & Long Short-Term Memory (LSTM) Technique in Real World Vidushi Srivastava | session 6 | 15-04-2021 | 11.30 AM to 1.00 PM | Miscellaneous | meet.google.com/bfu-cxti-vaa |
| 47 | M196 | FAULT DIAGNOSIS ON CENTRIFUGAL PUMPS USING CONVOLUTION NEURAL NETWORK – A THEORETICAL FRAMEWORK Manikandan S*, Duraivelu K | session 6 | 15-04-2021 | 11.30 AM to 1.00 PM | Miscellaneous | meet.google.com/bfu-cxti-vaa |
| 48 | M198 | EFFECTIVE UTILIZATION OF BATTERY SYSTEM FOR ELECTRIC VEHICLES Rahul Va, Rajarajan Sa Paramasivam Ab, Vidhushini Pc, Arunprakash Nd | session 6 | 15-04-2021 | 11.30 AM to 1.00 PM | Miscellaneous | meet.google.com/bfu-cxti-vaa |
| 49 | M208 | STUDY ON EFFECT OF SMARTPHONE (TEXTING/GAMING) ON THUMB MUSCLE ACTIVITIES Janaarthanane T, Sai Venkat K V, D. Bhanu Priya, Murali Subramaniyam | session 6 | 15-04-2021 | 11.30 AM to 1.00 PM | Miscellaneous | meet.google.com/bfu-cxti-vaa |
| 50 | M211 | DESIGN AND FABRICATION OF SELF SYNCHRONOUS DC MOTOR FOR BETTER TORQUE-SPEED CHARACTERISTICS M ANAND, P.ARUNARANI* | session 6 | 15-04-2021 | 11.30 AM to 1.00 PM | Miscellaneous | meet.google.com/bfu-cxti-vaa |
| 51 | M218 | Steps Controller in Heavy Duty Vehicles M Ashwin, M Ashwin, P Sanjay Kumar, Z Mohamed Farman, Dr C Elanchezhian | session 6 | 15-04-2021 | 11.30 AM to 1.00 PM | Miscellaneous | meet.google.com/bfu-cxti-vaa |
| 52 | M233 | Comparative Analysis of Reversible Logic Based Multiplier Designs using Soha Maqbool Bhat, Suhaib Ahmed and Vipin Kakkar | session 6 | 15-04-2021 | 11.30 AM to 1.00 PM | Miscellaneous | meet.google.com/bfu-cxti-vaa |
| 53 | M237 | Secured Manual Food Delivery System MADHAVAN R., VINOThAGAN | session 6 | 15-04-2021 | 11.30 AM to 1.00 PM | Miscellaneous | meet.google.com/bfu-cxti-vaa |
| 54 | M249 | AUTOMATIC BREAK FAILURE INDICATION SYSTEMS ESWARAN S, RAGHUL A, RAGUL D, SUDHAKAR S, VIGNESH M | session 6 | 15-04-2021 | 11.30 AM to 1.00 PM | Miscellaneous | meet.google.com/bfu-cxti-vaa |

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| SESSION 7 | | | | | | | |
| 55 | M100 | Subject Tracking Robotic Manipulator using Pan-Tilt Mechanism S. Fouziya Sulthana | session 7 | 15-04-2021 | 11.30 AM to 1.00 PM | Robotics | https://meet.google.com/ios-rfnv-fgt?hs=122&authuser=0 |
| 56 | M101 | Walking Gadget for Partially Disabled Person H.MOHAMMED ALI | session 7 | 15-04-2021 | 11.30 AM to 1.00 PM | Robotics | https://meet.google.com/ios-rfnv-fgt?hs=122&authuser=0 |
| 57 | M104 | Line Follower Robot based Room Service Automation in Hospital Environment Cross T. Asha wise and Fouziya Sulthana S. | session 7 | 15-04-2021 | 11.30 AM to 1.00 PM | Robotics | https://meet.google.com/ios-rfnv-fgt?hs=122&authuser=0 |
| 58 | M116 | Hydraulic Robotic Arm for Medical Assitance in Quarintine Centers VLVS Chaitanya, , S. Bala Sathish Reddy, M.Gunasekaran | session 7 | 15-04-2021 | 11.30 AM to 1.00 PM | Robotics | https://meet.google.com/ios-rfnv-fgt?hs=122&authuser=0 |
| 59 | M126 | Design and Simulation of Agricultural Mobile Robot for Ploughing and Spraying Operation with Controlled by IOT M. Ramkumar and M. R. Stalin John | session 7 | 15-04-2021 | 11.30 AM to 1.00 PM | Robotics | https://meet.google.com/ios-rfnv-fgt?hs=122&authuser=0 |
| 60 | M131 | Tendon Driven Dextrous Prosthetic Arm Using s-EMG Technique K. Sai Subhash , S. Prabhu* , Ch. Vasanth Kumar | session 7 | 15-04-2021 | 11.30 AM to 1.00 PM | Robotics | https://meet.google.com/ios-rfnv-fgt?hs=122&authuser=0 |
| 61 | M140 | Design and simulation of motion controlled robotic arm using hand gestures Balaji Murugan,S. Prabhakaran,Mr. S. Kolli Balasivarama Reddy | session 7 | 15-04-2021 | 11.30 AM to 1.00 PM | Robotics | https://meet.google.com/ios-rfnv-fgt?hs=122&authuser=0 |
| 62 | M146 | DESIGN AND ANALYSIS ON SOFT GRIPPER FINGER WITH PARALLELOGRAM CHAMBERS V Desiga Sabarish and Sandipan Roy | session 7 | 15-04-2021 | 11.30 AM to 1.00 PM | Robotics | https://meet.google.com/ios-rfnv-fgt?hs=122&authuser=0 |
| 63 | M154 | DESIGN ANALYSIS AND FABRICATION OF TELEPRESENCE ROBOT FOR MEDICAL PURPOSE BY USING SLAM Sk. Nazeer Basha, D.Vamsi Krishna* , Sk.Sameer | session 7 | 15-04-2021 | 11.30 AM to 1.00 PM | Robotics | https://meet.google.com/ios-rfnv-fgt?hs=122&authuser=0 |

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| Sl.No. | Paper ID | TITLE OF PAPER | Session Number | Date of Presentation | Time of Presentation | TOPIC | Meeting link |
|------------------|----------|---|----------------|----------------------|----------------------|----------------------|---|
| SESSION 8 | | | | | | | |
| 64 | M137 | EXPERIMENTAL STUDY ON FIBRE METAL LAMINATE COMPOSITES Suresh Balaji M , Prem Kumar M , I. Infanta Mary Priya | session 8 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/yas-txpd-vmr |
| 65 | M142 | Study on mechanical properties of natural fiber reinforced polymer matrix composites Rahul Alagusundaram , S.Shakthivel | session 8 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/yas-txpd-vmr |
| 66 | M143 | AN INVESTIGATION OF EDM PROCESS PARAMETERS AND MICROSTRUCTURE DURING MACHINING OF DIFFERENT ALLOY MATERIALS S.Dhandapani * ,R.Giri , C.Devanathan | session 8 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/yas-txpd-vmr |
| 67 | M148 | Fabrication of Polymer Nano-composites with Polylactic Acid/Basalt via Friction Stir Processing Arun N, Sathvik VD, Chhavi Paramhans | session 8 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/yas-txpd-vmr |
| 68 | M153 | Analysis of natural frequencies of a gas turbine blade using Ansys & Matlab Suraj Kumar Naik, | session 8 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/yas-txpd-vmr |
| 69 | M165 | Friction Stir Welding of heat treatable and non-heat treatable dissimilar Aluminium Alloys AA 6061-T6 and AA5083-H111 R.Manikandan, G. Elatharasan | session 8 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/yas-txpd-vmr |
| 70 | M172 | ANALYSIS ON DISC BRAKE WITH DIFFERENT MATERIAL AND THICKNESS BY USING ANSYS N.Dheepanath, Yuvaraj.S, Praveen.M,Manivel.R | session 8 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/yas-txpd-vmr |
| 71 | M173 | Microstructure Based Fracture Analysis on Particles Dispersed Polymer Matrix Composites Elamvazhudi.B , Dr.S.Gopalakannan , Mohamed Ashif | session 8 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/yas-txpd-vmr |
| 72 | M174 | MECHANICAL BEHAVIOUR OF ALUMINIUM 8081 BASED METAL MATRIX COMPOSITE REINFORCED WITH B 4 C S.Vijay R.Jegadeeswaran A.Jeyanth R.Gurubaran | session 8 | 15-04-2021 | 11.30 AM to 1.00 PM | Composites/Materials | https://meet.google.com/yas-txpd-vmr |

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| SESSION 9 | | | | | | | |
| 73 | M169 | Optimization of Aluminium foams for improved cellular structure Bulusu Rakesh | session 9 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | https://meet.google.com/nxm-rxcg-upz |
| 74 | M171 | Experimental Investigation of process parameter influences of Electrochemical Micro Machining Process on Al Metal Matrix Composite V.Sathiyamoorthy , S.Balamurugan and S.Palani | session 9 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | https://meet.google.com/nxm-rxcg-upz |
| 75 | M179 | EFFECT OF WELDING RESIDUAL STRESS ON BUCKLING LOAD FACTOR OF THIN LOW CARBON STEEL PLATES Sivasubramanian N. S.a and Joy Varghese V.M.b | session 9 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | https://meet.google.com/nxm-rxcg-upz |
| 76 | M180 | PRODUCTIVITY IMPROVEMENT OF PRODUCTION LINE SYSTEM USING REDUCTION OF CYCLE TIME Vidhushini Pa, Paramasivam Ab, Aruprakash Nc | session 9 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | https://meet.google.com/nxm-rxcg-upz |
| 77 | M186 | Study on Characteristics and Performance of Butterfly Valve using Numerical Methods - A Review K. Yuvaraj | session 9 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | https://meet.google.com/nxm-rxcg-upz |
| 78 | M191 | DESIGN AND FABRICATION OF AUTOFEED PNEUMATIC PUNCHING AND RIVETING MACHINE Velayutham.pon, Tison Antonio.j | session 9 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | https://meet.google.com/nxm-rxcg-upz |
| 79 | M193 | Optimization of surface roughness in ultrasonic vibration assisted turning of titanium alloy Ti6Al4V Umasekar V G*, Stalin John M R | session 9 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | https://meet.google.com/nxm-rxcg-upz |
| 80 | M195 | Optimization of Process Parameters for Surface Roughness and Tool Nose Radius Deviation in Face Milling of AZ31 Alloy using Taguchi with Grey Relational Analysis J.Santhakumar and U. Mohammed Iqbal | session 9 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | https://meet.google.com/nxm-rxcg-upz |
| 81 | M200 | DESIGN AND OPTIMIZATION OF AN ASSEMBLY LINE IN A PUMP Ravirajvarma M | session 9 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | https://meet.google.com/nxm-rxcg-upz |

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|-------------------|----------|---|----------------|----------------------|----------------------|-----------------------|---|
| SESSION 10 | | | | | | | |
| 82 | M223 | Market Power of Renewable Energy Sources: A Review Dikshit Langer, S. Anand | session 10 | 15-04-2021 | 2.30 PM to 4.00 PM | Energy/Sustainability | https://meet.google.com/lookup/f6r4vt3wwwu |
| 83 | M224 | Performance Assessment of Solar powered Organic Rankine cycle based Thermal Power Plant Prateek Tripathi, S Anand | session 10 | 15-04-2021 | 2.30 PM to 4.00 PM | Energy/Sustainability | https://meet.google.com/lookup/f6r4vt3wwwu |
| 84 | M235 | Improvement in Efficiency of Solar Photovoltaic Panels Saman Aijaz Sidiqi, Divanshi Gupta | session 10 | 15-04-2021 | 2.30 PM to 4.00 PM | Energy/Sustainability | https://meet.google.com/lookup/f6r4vt3wwwu |
| 85 | M236 | Development in Renewable Energy Policy and Implementation for Jammu & Kashmir Pallavi Sarngal, V.V. Tyagi1 and Amit Verma | session 10 | 15-04-2021 | 2.30 PM to 4.00 PM | Energy/Sustainability | https://meet.google.com/lookup/f6r4vt3wwwu |
| 86 | M241 | Determination of suitability of bio-ethanol from citrus fruit peelings for fuel blends N.Lakshminarayananana , Dr.K.G.Muthurajanb, Prof.T.Rajasekaranc | session 10 | 15-04-2021 | 2.30 PM to 4.00 PM | Energy/Sustainability | https://meet.google.com/lookup/f6r4vt3wwwu |
| 87 | M248 | Recent Progress on thermal energy storage based Solar Water Heating System Hardik Sharma | session 10 | 15-04-2021 | 2.30 PM to 4.00 PM | Energy/Sustainability | https://meet.google.com/lookup/f6r4vt3wwwu |
| 88 | M289 | Study of energy analysis of a residential building and its daylight optimisation Sandhra Thersa Benedict, N. Ganapathy Ramasamy | session 10 | 15-04-2021 | 2.30 PM to 4.00 PM | Energy/Sustainability | https://meet.google.com/lookup/f6r4vt3wwwu |
| 89 | M290 | Gaseous Fuel Combustion in Porous Radiant Burners – A Review Kishan Dash, and Sikata Samantaray | session 10 | 15-04-2021 | 2.30 PM to 4.00 PM | Energy/Sustainability | https://meet.google.com/lookup/f6r4vt3wwwu |
| 90 | M293 | Single Phase Flow and Heat Transfer Analysis in a Rectangular Microchannel Using ANSYS Fluent Dasari Ajay, G.A.Vivek, Ravi Kumar Panthangi | session 10 | 15-04-2021 | 2.30 PM to 4.00 PM | Energy/Sustainability | https://meet.google.com/lookup/f6r4vt3wwwu |

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| SESSION 11 | | | | | | | |
| 91 | M263 | Performance studies of drilling process parameters on AA6061 using Taquchi Grey relational Analysis Mohammed Iqbal, Santhakumar J, Gajendra Sharma, Rishav Singh, | session 11 | 15-04-2021 | 2.30 PM to 4.00 PM | Machining | https://meet.google.com/lookup/ejxa6k77c7?authuser=0&hs=179 |
| 92 | M286 | Sustainable alternatives for conventional cutting fluid applications in metal cutting for improved machinability: a review HIRAN GABRIEL D J | session 11 | 15-04-2021 | 2.30 PM to 4.00 PM | Machining | https://meet.google.com/lookup/ejxa6k77c7?authuser=0&hs=179 |
| 93 | M300 | A review of machine learning for the prediction and optimization of metal forming process S. P Sundar Singh Sivam,S.E. SAIRAGHAV, S. Shariq Ibrahim | session 11 | 15-04-2021 | 2.30 PM to 4.00 PM | Machining | https://meet.google.com/lookup/ejxa6k77c7?authuser=0&hs=179 |
| 94 | M312 | Experimental Study Of Micro-EDM On EN24 Steel With Normal Brass, Tin Coated Brass, Cryogenic Treated Brass Tool by Varying the Machining Parameters . D.Elil raja*, K.Ganasekaran, K.Ramesh, S.Jagadeesh, S.Prathap Singh | session 11 | 15-04-2021 | 2.30 PM to 4.00 PM | Machining | https://meet.google.com/lookup/ejxa6k77c7?authuser=0&hs=179 |
| 95 | M314 | EXPERIMENTAL INVESTIGATION OF DRILLING AND REAMING PROCESSES A.THIRUGNANAM,AISHIK BANERJEE, KUMAR PUSHKAR,Dr. M.R. STALIN JOHN | session 11 | 15-04-2021 | 2.30 PM to 4.00 PM | Machining | https://meet.google.com/lookup/ejxa6k77c7?authuser=0&hs=179 |
| 96 | M322 | PERFORMING BURNISHING OPERATION ON ALUMINIUM SILICON CARBIDE COMPOSITE USING ROLLER BURNISHER KUSHAL KUMAR.I, PRAVEEN.K.R , Dr.M.R.STALIN JOHN | session 11 | 15-04-2021 | 2.30 PM to 4.00 PM | Machining | https://meet.google.com/lookup/ejxa6k77c7?authuser=0&hs=179 |

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| SESSION 12 | | | | | | | |
| 100 | M145 | DEVELOPMENT OF INTEGRATED 2 & 3-WHEELS ELECTRIC CYCLE Dr. M. Eswaramoorthi, M. Manikandan, P. Manikandan, Muhammed salim | session 12 | 15-04-2021 | 2.30 PM to 4.00 PM | Manufacturing | https://meet.google.com/pyj-emri-zdz |
| 101 | M147 | Development Of Automatic Document Storing And Retrieval System I.Aadil Mohamed, V.Aadhii Seshan, S.U.Aakash , E.Shankar | session 12 | 15-04-2021 | 2.30 PM to 4.00 PM | Manufacturing | https://meet.google.com/pyj-emri-zdz |
| 102 | M149 | Surface Finish Quality Prediction of Welded Joints using Convolutional Neural Networks Samrat Sakha, S. Rohit and S. Panneer Selvan* | session 12 | 15-04-2021 | 2.30 PM to 4.00 PM | Manufacturing | https://meet.google.com/pyj-emri-zdz |
| 103 | M155 | Experimental Investigation of the Mechanical Properties of the Carbon/Epoxy Laminates Modified with Halloysite Nanotubes(HNT) at Elevated Temperatures. Shebaz Ahamed J P, Hari Karan V, Gokul L | session 12 | 15-04-2021 | 2.30 PM to 4.00 PM | Manufacturing | https://meet.google.com/pyj-emri-zdz |
| 104 | M157 | Prediction of optimal parameters of three-dimensional manufacturing process using Taguchi Method Boopathi Sampatha *, Jeyakumar Ma, Yuvaraj Tc | session 12 | 15-04-2021 | 2.30 PM to 4.00 PM | Manufacturing | https://meet.google.com/pyj-emri-zdz |
| 105 | M158 | A Brief Study on Additively Manufactured Soft Pneumatic Actuators Pranjul Pal and Dr. Anand Kumar | session 12 | 15-04-2021 | 2.30 PM to 4.00 PM | Manufacturing | https://meet.google.com/pyj-emri-zdz |
| 106 | M170 | Online monitoring system for milling process by ANFIS S. Palani , V.Sathiyamoorthy and S.Balamurugan | session 12 | 15-04-2021 | 2.30 PM to 4.00 PM | Manufacturing | https://meet.google.com/pyj-emri-zdz |
| 107 | M177 | Optimisation of process parameters in EDM of AISI 304 Stainless steel using Taguchi technique Suresh T, Suresh P | session 12 | 15-04-2021 | 2.30 PM to 4.00 PM | Manufacturing | https://meet.google.com/pyj-emri-zdz |
| 108 | M178 | High speed machining of Ti-6Al-4V alloy on the microstructure and the wear behavior of carbide insert under dry lubrication condition Umapathy A ,I. Infanta Mary Priya | session 12 | 15-04-2021 | 2.30 PM to 4.00 PM | Manufacturing | https://meet.google.com/pyj-emri-zdz |

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| SESSION 13 | | | | | | | |
| 109 | M273 | ANALYSIS OF SUPPLY CHAIN MANAGEMENT IN BOP MARKETS Dr.P.Maheswari | session 13 | 15-04-2021 | 2.30 PM to 4.00 PM | Miscellaneous | meet.google.com/ivr-ggnc-fwu |
| 110 | M277 | Investigation of Low and Medium Frequency Instabilities Using Multi Jessima Parveen H, Thanigaiyarasu.G | session 13 | 15-04-2021 | 2.30 PM to 4.00 PM | Miscellaneous | meet.google.com/ivr-ggnc-fwu |
| 111 | M283 | Technical Invoice Data Extraction System: State of the Art, Research Gayathri M., Oshi Varma, Samarth Srivastava | session 13 | 15-04-2021 | 2.30 PM to 4.00 PM | Miscellaneous | meet.google.com/ivr-ggnc-fwu |
| 112 | M284 | Regenerative Braking of BLDC Motor applied to Electric Vehicles. M Arun Noyal Dossa, Anuja T.A.b, K.N.D.V Sai Esward, M.Vinoth Rajac, V.S. Ramasubramaniand, E.Shalinie, S.Priyaf | session 13 | 15-04-2021 | 2.30 PM to 4.00 PM | Miscellaneous | meet.google.com/ivr-ggnc-fwu |
| 113 | M285 | STUDY ON THE MECHANICAL PROPERTIES AND COST EFFECTIVE OF STEEL RECRON HYBRID FIBRE CONCRETE EFFECTIVE OF STEEL RECRON HYBRID FIBRE CONCRETE. *Jacob Varkey. A. Arokia Prakash | session 13 | 15-04-2021 | 2.30 PM to 4.00 PM | Miscellaneous | meet.google.com/ivr-ggnc-fwu |
| 114 | M288 | EXPERIMENTAL INVESTIGATION OF SELF HEALING CONCRETE USING TAGUCHI'S METHOD Mr.Dinesh chandar.K, Mr.N.Ganapathy Ramasamy, | session 13 | 15-04-2021 | 2.30 PM to 4.00 PM | Miscellaneous | meet.google.com/ivr-ggnc-fwu |
| 115 | M294 | ANALYSIS AND DESIGN OF CYCLONE SHELTER ALONG EAST COAST OF TAMIL NADU D. Anburaja * and R. Nagalakshmi , | session 13 | 15-04-2021 | 2.30 PM to 4.00 PM | Miscellaneous | meet.google.com/ivr-ggnc-fwu |
| 116 | M295 | NUMERICAL INVESTIGATION OF CONCRETE ENCASED EQUAL-LEG ANGLE STEEL COMPOSITE COLUMN USING ABAQUS, Arya Vinod P, G.Senthil Kumar | session 13 | 15-04-2021 | 2.30 PM to 4.00 PM | Miscellaneous | meet.google.com/ivr-ggnc-fwu |
| 117 | M296 | Study on structural behaviour of light gauge steel sheet with concrete under flexure for V-shaped shear connector S. Sivakamasundari, Agil Jose Cyriac | session 13 | 15-04-2021 | 2.30 PM to 4.00 PM | Miscellaneous | meet.google.com/ivr-ggnc-fwu |

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| SESSION 14 | | | | | | | |
| 118 | M161 | SIMULATION OF TWO-AREA POWER SYSTEM USING VARIOUS CONTROLLERS IN A DEREGULATED ENVIRONMENT. AKSHAY KUMAR KHAIWAL | session 14 | 15-04-2021 | 2.30 PM to 4.00 PM | Robotics | https://meet.google.com/pwc-kkdt-jvg?hs=122&authuser=0 |
| 119 | M163 | Design and Analysis of Assistant Mobile Robot for Isolated Patients Dhruba Jyoti Sut, S. Prabhu *, Ch. Vasanth Kumar | session 14 | 15-04-2021 | 2.30 PM to 4.00 PM | Robotics | https://meet.google.com/pwc-kkdt-jvg?hs=122&authuser=0 |
| 120 | M164 | Artificial Intelligence Based Human Assist Robot R Anbarasan and Manojkumar | session 14 | 15-04-2021 | 2.30 PM to 4.00 PM | Robotics | https://meet.google.com/pwc-kkdt-jvg?hs=122&authuser=0 |
| 121 | M190 | Design and Control of Exoskeleton Robotic arm Using EEG Signals Karan Ashok Jalwani ,A.Vijaya | session 14 | 15-04-2021 | 2.30 PM to 4.00 PM | Robotics | https://meet.google.com/pwc-kkdt-jvg?hs=122&authuser=0 |
| 122 | M214 | Human Activity Recognition Through Smartphones Using Machine Learning: A Review Bushra Ali, Ms. Sonika Gupta | session 14 | 15-04-2021 | 2.30 PM to 4.00 PM | Robotics | https://meet.google.com/pwc-kkdt-jvg?hs=122&authuser=0 |
| 123 | M220 | Design and Development of Compliant Mechanisms using various sensors and actuators: A Review Arun B. Mali and G. Arunkumar | session 14 | 15-04-2021 | 2.30 PM to 4.00 PM | Robotics | https://meet.google.com/pwc-kkdt-jvg?hs=122&authuser=0 |
| 124 | M229 | ADVANCED BUS TRACKING SYSTEM USING IOT MADHAVAN R, VINOTHAGAN S | session 14 | 15-04-2021 | 2.30 PM to 4.00 PM | Robotics | https://meet.google.com/pwc-kkdt-jvg?hs=122&authuser=0 |
| 125 | M231 | CNN-based Malware Code Detection with Hybrid Optimization Arshi kumari*, Dr. Sunanda | session 14 | 15-04-2021 | 2.30 PM to 4.00 PM | Robotics | https://meet.google.com/pwc-kkdt-jvg?hs=122&authuser=0 |
| 126 | M232 | DEVELOPMENT OF PIPELINE INSPECTION ROBOT USING ADDITIVE MANUFACTURING Mr. Steve James and Mrs R. Ambigai | session 14 | 15-04-2021 | 2.30 PM to 4.00 PM | Robotics | https://meet.google.com/pwc-kkdt-jvg?hs=122&authuser=0 |

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| SESSION 15 | | | | | | | |
| 127 | M175 | Fabrication and characterization of aluminium matrix hybrid composites S Arun Prasath , V Veeranaath , K Pavan Teja , Bijay Prasad | session 15 | 15-04-2021 | 2.30 PM to 4.00 PM | Composites/Materials | https://meet.google.com/qzb-ytrs-fhh |
| 128 | M181 | structure analysis of 410 stainless steel by Nd: YAG laser metal joining Bala kumaran M * and Rajavel R | session 15 | 15-04-2021 | 2.30 PM to 4.00 PM | Composites/Materials | https://meet.google.com/qzb-ytrs-fhh |
| 129 | M182 | A Survey on Experimental Characterization of SaccharumMunja Grass Fibers Vatsal Vajpai, a) and Dr. VinayPratap Singh | session 15 | 15-04-2021 | 2.30 PM to 4.00 PM | Composites/Materials | https://meet.google.com/qzb-ytrs-fhh |
| 130 | M183 | Analysis of Damage mode on ballistic Impact response of the Fiber metal laminate Vijayan Ma,*, SelladuraiVa, Balaganesan Gb | session 15 | 15-04-2021 | 2.30 PM to 4.00 PM | Composites/Materials | https://meet.google.com/qzb-ytrs-fhh |
| 131 | M184 | A Review on Machining of Austempered Ductile Iron (ADI) using different Conventional Machining Process AnandRonald . B, Sharun. V | session 15 | 15-04-2021 | 2.30 PM to 4.00 PM | Composites/Materials | https://meet.google.com/qzb-ytrs-fhh |
| 132 | M188 | Design And Analysis Of Solid Rocket Motor Casing Made of Composite Materials Using Creo 3.0 and ANSYS Pidaparthy Maheshbabu Dr.R.Ramkumar Kolluri Venkateswara Rao | session 15 | 15-04-2021 | 2.30 PM to 4.00 PM | Composites/Materials | https://meet.google.com/qzb-ytrs-fhh |
| 133 | M189 | Tensile test on glass – Epoxy composite laminates by varying proportions of glass – epoxy with hand lamination Ahmed Abdul Baseer | session 15 | 15-04-2021 | 2.30 PM to 4.00 PM | Composites/Materials | https://meet.google.com/qzb-ytrs-fhh |
| 134 | M202 | Investigation of corrosion behaviour of Al 7075 / B4C / Al2O3 hybrid metal matrix composite M.Sambathkumar, R.Saravanan,M. Vijayanand | session 15 | 15-04-2021 | 2.30 PM to 4.00 PM | Composites/Materials | https://meet.google.com/qzb-ytrs-fhh |
| 135 | M206 | Mechanical investigation of magnesium composite with boron carbide and graphite as reinforcements processed by equal channel angular pressing Ravikumar.K b Dr.Karthikeyan.S, c Kamatchi Hariharan.M | session 15 | 15-04-2021 | 2.30 PM to 4.00 PM | Composites/Materials | https://meet.google.com/qzb-ytrs-fhh |

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| SESSION 16 | | | | | | | |
| 136 | M205 | Prediction and Optimization of surface roughness in Turning process using ANFIS integrated with GA Karthik Pandiyan G, Prabakaran T, Jafrey Daniel James D | session 16 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | meet.google.com/bzc-wyea-kon |
| 137 | M226 | Numerical Analysis of Dynamic Stability of a Cantilever Boring Tool using Impact Damper Muthu EI, Harshini N, Linsha Pious S | session 16 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | meet.google.com/bzc-wyea-kon |
| 138 | M227 | A REVIEW ON DESIGN AND DEVELOPMENT OF MULTI DEGREE OF FREEDOM COMPLIANT MECHANISM Prasad V. Suryawanshi, G. Arunkumar | session 16 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | meet.google.com/bzc-wyea-kon |
| 139 | M234 | Analysis of Elastomeric Engine Mount Material Characteristics Using FEA of Diesel Engine Sedan Vehicles for NVH Optimization V.Velmurugan, V. Paramasivam | session 16 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | meet.google.com/bzc-wyea-kon |
| 140 | M243 | Optimum Engineering Design of spur gear sets B. Rajesh Kumara, K. Vigneshwarana, D. Abraham Antonya | session 16 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | meet.google.com/bzc-wyea-kon |
| 141 | M244 | Analysis of fatigue and fracture behavior of Aluminium casting B. Rajesh Kumara, K. Vigneshwarana, D. Abraham Antonya | session 16 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | meet.google.com/bzc-wyea-kon |
| 142 | M247 | Numerical Analysis of Tube Reduction Forming Process using Cold Drawn Welded Tube K. Bharath Kumar a, U. Mohammed Iqbalb, G. Saravananc | session 16 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | meet.google.com/bzc-wyea-kon |
| 143 | M257 | Optimization of process parameters for dissimilar joining of IN617 and 304H using Double Pulse MIG Welding. Preet Shah, Pradip Bajpai | session 16 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | meet.google.com/bzc-wyea-kon |
| 144 | M259 | Optimized Master Production Schedule for yarn processingPlantUsing Modified Theory of Constraints S.B.Viswanath. Dr.D.Sudarsan | session 16 | 15-04-2021 | 2.30 PM to 4.00 PM | Design/Optimization | meet.google.com/bzc-wyea-kon |

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| SESSION 17 | | | | | | | |
| 145 | M185 | INDUSTRY 4.0 Sudharsan S, Chitrrasu P, Deepak A | Session 17 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/sqh-eksu-uzk |
| 146 | M192 | Modelling of conventional tyre with different 3D printing materials Muhammad Abraar*,D.Ananthapadmanaban | Session 17 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/sqh-eksu-uzk |
| 147 | M199 | An Insight into Welding of Magnesium R. Rohith Renish , V.K. Bupesh Raja*, Pushkaraj D Sonawane, Ajay Shivsharan Reddy, | Session 17 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/sqh-eksu-uzk |
| 148 | M203 | INVESTIGATION ON MECHANICAL PROPERTIES OF FRICTION STIR WELDED AA6061-T6 & AA7075 S.Vijay,V.Ragul, K.Naveen,T.Rajkumar | Session 17 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/sqh-eksu-uzk |
| 149 | M209 | Specimen Geometry and its Effect on Flow Curve in Torsion Testing – A Review K. Bharath Kumar and U. Mohammed Iqbal, | Session 17 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/sqh-eksu-uzk |
| 150 | M222 | EXTRUSION DIE PROFILE DESIGN USING SIMULATED ANNEALING ALGORITHM AND PARTICLE SWARM OPTIMIZATION R.VENKETESAN, K.MURUGESAN | Session 17 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/sqh-eksu-uzk |
| 151 | M225 | Optimization of process parameters of multichannel angular twist extrusion (MATE) to process AA2024 alloy S. Muralidharana and U. Mohammed Iqba | Session 17 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/sqh-eksu-uzk |
| 152 | M238 | A Critical review of Non-destructive evaluation techniques on Additive manufacturing components P.S.Gowthaman | Session 17 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/sqh-eksu-uzk |
| 153 | M239 | Friction Stir Processing: A Review Arun N, Dr. Prakash, Sathvik VD, Chhavi Paramhans | Session 17 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/sqh-eksu-uzk |

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| SESSION 18 | | | | | | | |
| 154 | M270 | FIRE RESISTANCE ROBOT WITH DETECTION OF HUMAN A. Udhaya murthy , V. Manoj kumar* , R. Abishek ,P. Sakthivel | Session 18 | 16-04-2021 | 11.00 AM to 1.00 PM | Robotics | https://meet.google.com/zvj-ghoy-dks |
| 155 | M271 | MINING EXPLORE & SAMPLE COLLECTING ROBOT P. Sakthivel ,M. Prakash * , R. Abishek,A. Udhaya murthy | Session 18 | 16-04-2021 | 11.00 AM to 1.00 PM | Robotics | https://meet.google.com/zvj-ghoy-dks |
| 156 | M272 | SWARM ROBOTS FOR SEARCHING OPERATION R. Abishek , M.Prakash * , A.Udhaya murthy ,P. Sakthivel | Session 18 | 16-04-2021 | 11.00 AM to 1.00 PM | Robotics | https://meet.google.com/zvj-ghoy-dks |
| 157 | M280 | A Microcontroller based Spider Bot using Klann Mechanism A. Rajkumar | Session 18 | 16-04-2021 | 11.00 AM to 1.00 PM | Robotics | https://meet.google.com/zvj-ghoy-dks |
| 158 | M281 | An Exoskeleton Bionic Chair with Simple Link Mechanism for Human use A. Rajkumar | Session 18 | 16-04-2021 | 11.00 AM to 1.00 PM | Robotics | https://meet.google.com/zvj-ghoy-dks |

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| SESSION 19 | | | | | | | |
| 163 | M212 | CORROSION RESISTANCE IMPROVEMENT ON MILD STEEL PARTS OF AUTOMOTIVE EXHAUST SYSTEMS BY ALUMINIZING AND HEAT RESISTANCE COATING S. KARTHIKEYAN, N. DINAKAR | session 19 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/mcn-zhfr-izc?hs=122&authuser=0 |
| 164 | M213 | Performance study on graphene oxide coated zinc anode for batteries Dr. M. Raja a, Dr. S. Sivalakshmi b, B. Saravananc | session 19 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/mcn-zhfr-izc?hs=122&authuser=0 |
| 165 | M215 | Experimental investigation on vibrational characteristics of nano fillers of polyurethane/glass fibre composite with vinyl ester Selvaraj M | session 19 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/mcn-zhfr-izc?hs=122&authuser=0 |
| 166 | M228 | Evaluation of Mechanical behavior of Banana fibers reinforced polymeric composite with Aluminium-powder filler Robson Balcha,BhaskaranJ,PerumallaJanaki Ramulu | session 19 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/mcn-zhfr-izc?hs=122&authuser=0 |
| 167 | M245 | Enhancing the corrosion resistance of AA6061-T6 aluminium alloy by severe plastic deformation process RithinDasa, U. Mohammed Iqbala*, AnanduPushpana, S. Muralidharana | session 19 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/mcn-zhfr-izc?hs=122&authuser=0 |
| 168 | M246 | Morphological and Mechanical Characterization of Kevlar/Human Hair/Silicon carbide Hybrid Composite K.Loganathan,K. Vigneshwaran, N.Venkateshwaran and N.Vinothbabu | session 19 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/mcn-zhfr-izc?hs=122&authuser=0 |
| 169 | M250 | Synthesis and Characterization Study on Aegle Marmelos dispersed Epoxy Composites Manivannan U and Arul Jeya Kumar A | session 19 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/mcn-zhfr-izc?hs=122&authuser=0 |
| 170 | M252 | EXPERIMENTAL INVESTIGATION ONMECHANICAL BEHAVIOR OFFLYASH AND TICREINFORCED ALUMINUM HYBRID COMPOSITE G. Senthil a , P.Muruganandhanb | session 19 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/mcn-zhfr-izc?hs=122&authuser=0 |
| 171 | M253 | STRUCTURAL ANALYSIS OF HYBRID COMPOSITE FOOTREST BRACKET IN TWO WHEELER R Gayathri and S M Sivagami | session 19 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/mcn-zhfr-izc?hs=122&authuser=0 |

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| SESSION 20 | | | | | | | |
| 172 | M260 | Multi objective Optimization and Experimental Investigation of Electrochemical Machining on Copper Alloy M.Kumaresan, P. Athi sankar, and S.Kumaravel | session 20 | 16-04-2021 | 11.00 AM to 1.00 PM | Design/Optimization | https://meet.google.com/upm-waky-pny |
| 173 | M261 | WARPAGE ANALYSIS OF AOVER MOLDED CHIP ON SCALE ELECTRONIC PAGKAGE USING FINITE ELEMENT METHODS Y Venkata Naga Chandana | session 20 | 16-04-2021 | 11.00 AM to 1.00 PM | Design/Optimization | https://meet.google.com/upm-waky-pny |
| 174 | M265 | PROCESS PARAMETER OPTIMIZATION IN ARC WELDING OF SUPER 304H STAINLESS STEEL Srinath S a, M. Shrinivasan, Deepan Bharathi Kannan T | session 20 | 16-04-2021 | 11.00 AM to 1.00 PM | Design/Optimization | https://meet.google.com/upm-waky-pny |
| 175 | M267 | Methodology Review for Profile Scanning and Validation Using 3D Reconstruction by Context capture and Comparevidia Vasanth Kumar. CH, Raghavendra Rao.V, Dr. Joshan Athanesious , Ann Medona. | session 20 | 16-04-2021 | 11.00 AM to 1.00 PM | Design/Optimization | https://meet.google.com/upm-waky-pny |
| 176 | M275 | Implementation of Coral Reefs Optimization Algorithm for Optimization of Various Casting Processes Papin Kumar Garnayak, Ranjan Kumar Hasda*, Shivraj Gahir | session 20 | 16-04-2021 | 11.00 AM to 1.00 PM | Design/Optimization | https://meet.google.com/upm-waky-pny |
| 177 | M276 | DESIGN-ANALYSIS AND IMPLEMENTATION OF MODIFIED FRAME FOR E-BICYCLE S.Monisha* ,S. Arulmurugana , M. Rajkumara, M.Keerthikab, N. Vinoth Babua | session 20 | 16-04-2021 | 11.00 AM to 1.00 PM | Design/Optimization | https://meet.google.com/upm-waky-pny |
| 178 | M278 | Multi-objective optimization of EDM process parameters on Titanium Grade 9(Ti3Al2.5V) using Artificial Neural Network and Grey Analysis U. Mohammed Iqbal, Santhakumar J , Suyash Dixit | session 20 | 16-04-2021 | 11.00 AM to 1.00 PM | Design/Optimization | https://meet.google.com/upm-waky-pny |
| 179 | M279 | DESIGN , ANALYSIS , TOPOLOGY OPTIMIZATION AND FABRICATION OF ELECTRIC HOVERBOARD Koushic M, Rajkumar.M, Vinoth Babu.N and Vigneshwaran.K | session 20 | 16-04-2021 | 11.00 AM to 1.00 PM | Design/Optimization | https://meet.google.com/upm-waky-pny |
| 180 | M308 | Design and Development of Mechanical Bird SATRUDHAN KUMAR SAH and SUMIT PRAMANIK | session 20 | 16-04-2021 | 11.00 AM to 1.00 PM | Design/Optimization | https://meet.google.com/upm-waky-pny |

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| SESSION 21 | | | | | | | |
| 181 | M301 | Investigation and Optimization of Piston Head and Air Flow Through the Combustion Chamber using CFD M.Easwaramoorthi and S.Balakrishnan | session 21 | 16-04-2021 | 11.00 AM to 1.00 PM | Energy/Sustainability | meet.google.com/cre-cmfp-axy |
| 182 | M310 | Use of Biomass in High Rise Buildings Vidushi Sharma | session 21 | 16-04-2021 | 11.00 AM to 1.00 PM | Energy/Sustainability | meet.google.com/cre-cmfp-axy |
| 183 | M318 | Redesign and Analysis of a Thermostat valve using CFD P. Jeyaraman, Rohith Renish R, Niruban Projoth T | session 21 | 16-04-2021 | 11.00 AM to 1.00 PM | Energy/Sustainability | meet.google.com/cre-cmfp-axy |
| 184 | M319 | Experimental investigation on thermal analysis of multi walled carbon nano tube composites S.Dinesh,R.K Barathraj, C. Bala Suthager, K. Vigneshwaran | session 21 | 16-04-2021 | 11.00 AM to 1.00 PM | Energy/Sustainability | meet.google.com/cre-cmfp-axy |
| 185 | M325 | DESIGN AND ANALYSIS OF SAVONIUS WIND TURBINE M.K. MUSHARAF , GURU PRASATH , Dr.M.R.STALIN JOHN | session 21 | 16-04-2021 | 11.00 AM to 1.00 PM | Energy/Sustainability | meet.google.com/cre-cmfp-axy |
| 186 | M109 | Thermal, Hardness and Water Absorption Properties of Zea Natural Fiber Reinforced Polymer Composites N.S.Balaji * | session 21 | 16-04-2021 | 11.00 AM to 1.00 PM | Thermal Analysis | meet.google.com/cre-cmfp-axy |
| 187 | M113 | Synthesis of Thermal energy storage PCM with Silicon carbide for Bio-Medical Applications S.Indirani , Sridhar Arjunan , | session 21 | 16-04-2021 | 11.00 AM to 1.00 PM | Thermal Analysis | meet.google.com/cre-cmfp-axy |
| 188 | M194 | IMPROVE THE EFFICIENCY OF BATTERY COOLING SYSTEM IN E VEHICLE BY NANO-FLUIDS WITH CFD ANALYSIS Vinoth Kumar H, Saravanakumar S , Gokul M , Jagadheeswaran S, Manikandan M | session 21 | 16-04-2021 | 11.00 AM to 1.00 PM | Thermal Analysis | meet.google.com/cre-cmfp-axy |
| 189 | M219 | NUMERICAL MODELLING OF THERMAL PHENOMENON IN FRICTION STIR WELDING OF ALUMINUM PLATES AA5083 MILITARY GRADE ALUMINIUM ALLOY JOINTS BY UNDERWATER CONDITIONS SaravanaKumar. R,LinshaPious. S, Harshini. N, T. Rajasekaran, | session 21 | 16-04-2021 | 11.00 AM to 1.00 PM | Thermal Analysis | meet.google.com/cre-cmfp-axy |

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| SESSION 22 | | | | | | | |
| 190 | M240 | Incremental forming of welded joints- A review Vignesh A, Mohammed Iqbal U | session 22 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | meet.google.com/bfu-cxti-vaa |
| 191 | M242 | Review on Machine learning approaches in Sheet metal forming S.SHARIQ IBRAHIM S.E.SAIRAGHAV | session 22 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | meet.google.com/bfu-cxti-vaa |
| 192 | M251 | ENHANCING THE WELD PENETRATION IN TIG WELDING – AN OVERVIEW G. Senthil a , S. Gopalakrishnan b , P. Muruganandhan c | session 22 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | meet.google.com/bfu-cxti-vaa |
| 193 | M256 | Productivity improvement in an auto component manufacturing industry Dr.M.Parthiban, Ram Kumar P | session 22 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | meet.google.com/bfu-cxti-vaa |
| 194 | M262 | ROLE OF TOOL PIN PROFILE ON MECHANICAL PROPERTIES AND MICROSTRUCTURAL BEHAVIOUR OF FRICTION STIR WELDED AA7075-T651 AND AA6061 DISSIMILAR ALLOY JOINTS YUVARAJ K P, SOWMYA S, HARIBABU L | session 22 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | meet.google.com/bfu-cxti-vaa |
| 195 | M266 | An Investigation of Mechanical Properties of Friction Stir Welded AA7075 SaravanaKumar. R, T. Rajasekaran, T V S Venkateswar Vishnu, V Srivathsan | session 22 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | meet.google.com/bfu-cxti-vaa |
| 196 | M282 | Designing Ti alloy for hard tissue implant: a machine learning approach A.C. Arun Raj and ShubhabrataDatta | session 22 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | meet.google.com/bfu-cxti-vaa |
| 197 | M291 | Wire arc additive manufactured (WAAM) of Al5356 alloy: Experimental study and simulation Ahin honymon , V. Apramayan , Rahul Ryan Savio , Sagar Telrandhe , P. Sundarsingh Sivam , N. Harshavardhana | session 22 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | meet.google.com/bfu-cxti-vaa |
| 198 | M292 | Effect of heat treatment on additive manufacturing SS316L steel: microstructure and property correlation J.I. Gokulnath, B. Bala Yudhistran, N. Harshavardhana* | session 22 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | meet.google.com/bfu-cxti-vaa |

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| SESSION 23 | | | | | | | |
| 199 | M254 | Microscopic and Structural analysis of Al-Cu-TiC Ruchir Sadana, Mr. S. Kolli Balasivarama Reddy | session 23 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/gdt-ebeg-bva |
| 200 | M255 | MELT FLOW ANALYSIS ON POLYMER BASED COMPOSITES USING FUSED FILAMENT FABRICATION aDr.M.Prakash, bA.Vamsi | session 23 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/gdt-ebeg-bva |
| 201 | M258 | Influence of chopped fibers on the flexural behavior of sandwich composites Kolagani vikram kumar, Akhil G arlapati, D.selwyn j ebadurai | session 23 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/gdt-ebeg-bva |
| 202 | M264 | INVESTIGATION AND ASSESSMENT OF MECHANICAL PROPERTY ALUMINIUM AND BORON WITH MAGNESIUM COMPOSITE MATERIAL K. Venkatesh a, S. Kannan b, T.E. Arunbalaji c | session 23 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/gdt-ebeg-bva |
| 203 | M269 | Experimental study on the tribological properties of polymer composites Vibhor Choudhary, Fouzan Ashan Ali and I. Infanta Mary Priya* | session 23 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/gdt-ebeg-bva |
| 204 | M274 | INFLUENCE OF AGEING USING NORMAL WATER ON FUSION DEPOSITION MODELLING PRINTED COMPOSITES Arun.A, Vigneshwaran.K, Vinoth Babu.N and Paneerselvan.S | session 23 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/gdt-ebeg-bva |
| 205 | M287 | Experimental Investigation on TiAl alloy processed by powder metallurgy Dhanasekaran Ma*, Sanchit singhb, Rahul kumar swainb, Zeeshan razab | session 23 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/gdt-ebeg-bva |
| 206 | M297 | Experimental investigation of aluminium composites reinforced with boron carbide I. Aatthisugan, Vishisht Misra, Nishant Agarwal* | session 23 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/gdt-ebeg-bva |
| 207 | M309 | Development of High Strength Heat Resistant Biowaste Hybrid Composites Ritaksha Colvalcar, Vivek Rajeevan, and Sumit Pramanik* | session 23 | 16-04-2021 | 11.00 AM to 1.00 PM | Composites/Materials | https://meet.google.com/gdt-ebeg-bva |

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| SESSION 24 | | | | | | | |
| 208 | M298 | A comparative study of Surface Roughness on varying % CNT inclusion in CBN wheels. Deborah Stephen Serenade, AmalSenan , Arjun JS | session 24 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/hx-kouh-mdh |
| 209 | M302 | Effect of different solid lubricants towards friction stability in a non-asbestos disc brake pad P. Baskara Sethupathi and J.Chandradass* | session 24 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/hx-kouh-mdh |
| 210 | M304 | COLD FORMING OF ALUMINUM AUTO COMPONENTS R.Murugesan,R.Roshan Jameer,D.Bharat, M. V.Ravinder | session 24 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/hx-kouh-mdh |
| 211 | M305 | Study of Shaped Castings using Vertical Centrifugal Casting Method. R.Murugesan, PuritipatiRohit Reddy, Rahul Pabolu, and M.V.Ravinder | session 24 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/hx-kouh-mdh |
| 212 | M307 | APPLICATION OF STATISTICAL PROCESS CONTROL ANALYSIS TO MEASURE AND IMPROVE PERFORMANCE CONSISTENCY IN GEAR MANUFACTURING INDUSTRY Nishant Kant, Dr T.Karthick, Dr M.Parthiban | session 24 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/hx-kouh-mdh |
| 213 | M313 | OPTIMIZATION OF PROCESS PARAMETERS IN DISSIMILAR WELDING OF SS304H – INCONEL 617 Arivarasan J, Deepan Bharathi Kannan T*, Vignesh K, Gaurav Joshi | session 24 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/hx-kouh-mdh |
| 214 | M315 | Study of wear resistance of different piston ring coatings R.Murugesan, Suhail Zargar, Venkatesh Ragunathan, and B Rajesh | session 24 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/hx-kouh-mdh |
| 215 | M326 | Development of Inconel 625 using Wire arc additive manufacturing: microstructure and property correlation G.Adhinathan, N.Harshavardhana | session 24 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/hx-kouh-mdh |
| 216 | M331 | Tribological properties of Wagner Industrial Oil Additive added Commercial Gear Oil Walter Wagner, Shubrajit Bhaumik, Arupanjana Mukherji, Agum Swaroop Srivastava, Nikhil Verma, Sumit Pramanik | session 24 | 16-04-2021 | 11.00 AM to 1.00 PM | Manufacturing | https://meet.google.com/hx-kouh-mdh |

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| SESSION 25 | | | | | | | |
| 217 | M299 | Navigational Tool for the Blind Priyalakshmi B ,Nitya Baskar Sidharth Tyagi Nishitha Vivek | session 25 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/khp-jgny-woq |
| 218 | M303 | ANALYSIS OF SINGLE STAGE 3-PHASE SOLAR PV INVERTER CONNECTED TO GRID USING PI CONTROLLER aDr. S.Vijayalakshmi, bDharshani Raj Dwarapu | session 25 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/khp-jgny-woq |
| 219 | M306 | Enhanced data privacy preservation model for Mobile crowd sensing system using blockchain technology M.Arulprakash and R.Jebakumar | session 25 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/khp-jgny-woq |
| 220 | M316 | Prediction of Denial of Service Attack Using Machine Learning Algorithm S. Nithya, C.Gomathy, U. Sabura Banu | session 25 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/khp-jgny-woq |
| 221 | M317 | SENSITIVITY ANALYSIS ON SWITCHED RELUCTANCE MOTORS FOR POSSIBLE APPLICATION IN ELECTRIC VEHICLES VIJAYALAKSHMI K, K.N.SRINIVAS | session 25 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/khp-jgny-woq |
| 222 | M321 | A SURVEY ON SOLVING DILEMMAS OF ADAPTING BLOCKCHAIN IN DIFFERENT APPLICATIONS C.Vijayalakshmi, Dr. S. Metilda Florence , *, Dr.S.Suthir | session 25 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/khp-jgny-woq |
| 223 | M327 | A REVIEW OF MONITORING AND ANALYSIS OF PHOTOVOLTAIC GRID SYSTEM Mohammad Usman Wani* Mr. Amit Verma | session 25 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/khp-jgny-woq |
| 224 | M328 | Automated Audiometerfor Home Based Health Care Using Mobile App Niryukta, U.Snehalatha*, T.Rajalakshmi | session 25 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/khp-jgny-woq |
| 225 | M329 | Effective use of Biometric details and smart control of Automobiles P.S.Ramaprabha,T.Kalaichelvi,N.Revathi,T.Tamilchelvi, A.Arunthavaraj | session 25 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/khp-jgny-woq |

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| SESSION 26 | | | | | | | |
| 226 | M330 | A parametric nonlinear programming approach to analyzing cyclic queueing networks in fuzzy environments H. Merlyn Margareta and P. Thirunavukarasub | session 26 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/df-t-ocfq-bqo?hs=122&authuser=0 |
| 227 | M333 | BEHAVIOUR OF COMPOSITE RECTANGULAR RC BEAMS ENCASED WITH STEEL I-SECTION UNDER FLEXURE C. Devasena reddy, R. Rajkumar, N. Umamaheswari | session 26 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/df-t-ocfq-bqo?hs=122&authuser=0 |
| 228 | M334 | NON-LINEAR STATIC AND DYNAMIC ANALYSIS OF IN-PLANE AND OUT OF PLANE DISCONTINUITY IN VERTICAL LATERAL FORCE RESISTING ELEMENTS Hikmat Lamsal, C.Arunkumar, N.Umaheswari | session 26 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/df-t-ocfq-bqo?hs=122&authuser=0 |
| 229 | M335 | FLEXURAL BEHAVIOUR OF COMPOSITE RECTANGULAR STEEL BEAMSFILLED WITH CONCRETE Irrinki Mounica, S.A.Vengadesh Subramanian, N. Umamaheswari | session 26 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/df-t-ocfq-bqo?hs=122&authuser=0 |
| 230 | M336 | Experimental investigation on behavior of concrete beams without web reinforcement and reinforced with longitudinal GFRP rebars R. RAJKUMAR AND N. UMAMAHESWARI | session 26 | 16-04-2021 | 2.00 PM to 3.00 PM | Miscellaneous | https://meet.google.com/df-t-ocfq-bqo?hs=122&authuser=0 |
| 231 | M268 | NUMERICAL INVESTIGATION OF NUMBER OF BLADES AND STAGES OF CONVENTIONAL SAVONIOUS ROTOR D V Nithin Kumar, M R Stalin John | session 26 | 16-04-2021 | 2.00 PM to 3.00 PM | Thermal Analysis | https://meet.google.com/df-t-ocfq-bqo?hs=122&authuser=0 |

SRM Institute of Science and Technology
DEPARTMENT OF MECHANICAL ENGINEERING
ICRAMER 2021
TENTATIVE SESSION PLAN FOR ORAL PRESENTATION

| Sl.No. | Paper ID | TITLE OF PAPER | Session Number | Date of Presentation | Time of Presentation | TOPIC | Meeting link |
|-------------------|----------|--|----------------|----------------------|----------------------|----------------------|---|
| SESSION 27 | | | | | | | |
| 235 | M323 | Tribological studies on Aluminium based Functionally Graded Materials Himadri Shankar Paul, Chitransh Johari, R.Ambigai,S.Dinesh | session 27 | 16-04-2021 | 2.00 PM to 3.00 PM | Composites/Materials | https://meet.google.com/pg-tfsr-txz |
| 236 | M324 | Fabrication and Analysis of Mechanical and Thermal Properties of Hybrid Aluminium Composites Alafiya Taliba, Ishan Nitin Thakreb, R. Ambigai*c | session 27 | 16-04-2021 | 2.00 PM to 3.00 PM | Composites/Materials | https://meet.google.com/pg-tfsr-txz |
| 237 | M332 | Experimental study on strengthening of damaged steel flexural members using CFRP composite wraps G Arun Kumar, S A Vengadesh Subramanian and N Umamaheswari | session 27 | 16-04-2021 | 2.00 PM to 3.00 PM | Composites/Materials | https://meet.google.com/pg-tfsr-txz |
| 238 | M337 | An investigation on stainless wire-mesh reinforced Fibre Metal Laminate composites for aerospace applications Kumaran D, Sundar Singh Sivam*, Nikhil Sharma, Anubhav Sinha, Achintya Srivastava | session 27 | 16-04-2021 | 2.00 PM to 3.00 PM | Composites/Materials | https://meet.google.com/pg-tfsr-txz |
| SESSION 28 | | | | | | | |
| 244 | M311 | Design and Development of Autotrashbot for segregating and dumping waste NIKHIL KOTHIFODA, Dr.A.Vijaya | session 28 | 16-04-2021 | 2.00 PM to 3.00 PM | Design/Optimization | https://meet.google.com/ng-twtr-fyp |
| 245 | M320 | APPLICATION OF GRA OPTIMIZATION TECHNIQUE IN DOUBLE PULSE MIG WELDING OF IN617- SUS 304H Arivarasan J, Deepan Bharathi Kannan T *, Sampath kumar S, Preetshah, Pradeep Kumar Bajpai | session 28 | 16-04-2021 | 2.00 PM to 3.00 PM | Design/Optimization | https://meet.google.com/ng-twtr-fyp |

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