

# Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility

ADMMS'19 - Event Schedule, Venue: Madras Institute of Technology, Chromepet, Chennai.

DAY	07:30 - 09:00	09:00 - 09:45	09:45- 10:30	10.30 -11.00	11.00 -13:00	13:00 - 14:00	14:00 -15:00	15:00 - 15:30	15:30 - 17:30	17:30 - 19:00	19:00 - 20:00
11-Oct-19	Breakfast and Registration	Inauguration and Key note		Networking TEA	Session 1 - 5	Networking LUNCH	Plenary Session - 1	Networking TEA	Session 6 - 10	Panel Discussion	Dinner
12-Oct-19	Breakfast and Registration	Session 11 - 14	Plenary Session - 2		Session 15 - 19		Plenary Session - 3		Valedictory		

### TECHNICAL PAPER PRESENTATION SCHEDULE

FRIDAY, 11 <sup>th</sup> OCTOBER 2019					
Time	Session 1	Session 2	Session 3	Session 4	Session 5
	Product Design - I	Composite Material - I	Advanced Mobility - I	Modelling & Analysis - I	Manufacturing Processes - I
11:00 - 13:00	<p>Design for Adaptive Rear floor carpet for changing shapes and complex architecture</p> <p><b>2019-28-0004</b> Praveen Kumar, Mahindra &amp; Mahindra, Ltd.</p>	<p>Mechanical and corrosion behaviour of 7075 aluminium matrix composite reinforced with TiC and Al<sub>2</sub>O<sub>3</sub></p> <p><b>2019-28-0094</b> Subham Jaiswal, Vellore Institute of Technology</p>	<p>Comparison of Harmonics In Two Phase Induction Machine with Various Winding Approaches for Traction</p> <p><b>2019-28-0040</b> Sathyarayanan Nandagopal, Vellore Institute Of Technology Chennai</p>	<p>Experimental and Numerical Prediction of the Pressure Drop Reduction of Catalytic Converter under Various Mass Flow Rate of Exhaust Gas for a Naturally Aspirated Diesel Engine</p> <p><b>2019-28-0030</b> Kanchi Gopi Vinodh Kumar, Vel Tech Institute of Science and Technology</p>	<p>Function Of Taguchi Grey Relation Analysis for Influencing the Process Parameter for Getting Better Product Quality and Minimize the Industrial Pollution by Coolants in Turning of Ti-6Al-4V Alloy</p> <p><b>2019-28-0065</b> Sundar Singh Sivam Sundarlingam Paramasivam, SRM Institute Of Science And Technology</p>
	<p>Development and Testing of Electric Microcar for Indian Cities</p> <p><b>2019-28-0008</b> Amjad Shaik, VNR VJiet</p>	<p>Design and Analysis of Natural Fibre Reinforced Epoxy Composites for Automobile Hood</p> <p><b>2019-28-0086</b> Akhil Kumar Guduru, SRM Institute Of Science And Technology</p>	<p>Modulation Strategy for Minimisation of Leakage Current in Grid-Connected PV Panels</p> <p><b>2019-28-0114</b> Anitha Daniel, SRM Institute Of Science And Technology</p>	<p>Numerical Prediction of Aeroacoustic Noise for Bluff Bodies at Various Reynolds Numbers with Vortex Suppression Methods</p> <p><b>2019-28-0118</b> Sanhita Padia, SRM Institute of Science and Technology</p>	<p>Analogy of thermal properties of polyamide 6 reinforced with glass fiber and glass beads through FDM process</p> <p><b>2019-28-0137</b> Soundararajan Ranganathan, Sri Krishna College of Engg and Tech.</p>
	<p>Design and analysis of De-laval restrictor with throttle body for formula Vehicle</p> <p><b>2019-28-0009</b> Soundararajan Ranganathan, Sri Krishna College of Engg. and Tech.</p>	<p>Performance Assessment of Pyramidal Lattice Core Sandwich Engine Hood For Pedestrian Safety</p> <p><b>2019-28-0089</b> Dhinesh Balasubramanian, Mepco Schlenk Engineering College</p>	<p>Design and Analysis of Sigma Z-Source Inverter for PV Applications</p> <p><b>2019-28-0123</b> Kalaiaarasi Nallathambi, SRM Institute of Science And Technology</p>	<p>Winglet design and analysis for Cessna 152 – A Numerical study</p> <p><b>2019-28-0035</b> Vivek Saini, SRM Institute of Science and Technology</p>	<p>A Comparative Study on Microstructures and Mechanical Properties of Al-Gnps Composites Fabricated By Casting Method</p> <p><b>2019-28-0139</b> Bhanu Prakash Palampalle, Sree Vidyanikethan Engineering College</p>
	<p>Development of methodology using DoE approach to improve Steering returnability of any Vehicle through virtual simulation</p> <p><b>2019-28-0012</b> Nitin Kumar Khanna, Mahindra &amp; Mahindra, Ltd.</p>	<p>Natural and artificial weathering of automotive leather, leatherette and textile</p> <p><b>2019-28-0091</b> Elavarasan Palaniappan, Mahindra &amp; Mahindra, Ltd.</p>	<p>Recent trends on drivetrain control strategies and battery parameters of a hybrid electric vehicle</p> <p><b>2019-28-0155</b> Pavan Bharadwaja Bhaskar, VNR VJiet</p>	<p>Parametric Modelling and High Fidelity Algorithms for Vehicle Weight Estimation for Optimized Concept Vehicle Architecture</p> <p><b>2019-28-0036</b> Rathish Chandar Kanthallu, Mahindra &amp; Mahindra, Ltd.</p>	<p>Optimization of RF magnetron sputtering parameters for deposition of Zinc Oxide semiconductor film at 100°C</p> <p><b>2019-28-0150</b> Amutha Surabi Muthukarappan, PRIST</p>
	<p>Thumb Design and Optimization for Backhoe Loader</p> <p><b>2019-28-0109</b> Sandeep Dhotre, John Deere India Pvt. Ltd.</p>	<p>Banana Stem Based Activated Carbon as Filler in Polymer Composites for Automobile Applications</p> <p><b>2019-28-0093</b> John Presin Kumar Ayyaswamy, Hindustan Institute of Tech. and Science</p>	<p>Design Considerations and Analysis of Electric Microcar for Cities</p> <p><b>2019-28-0161</b> Amjad Shaik, VNR VJiet</p>	<p>CFD Simulation on turbulent forced convection of CuO-Water Nanofluids in a horizontal circular pipe</p> <p><b>2019-28-0131</b> Nitin Dewangan John Deere India Pvt, Ltd.</p>	<p>Fault Detection in Single Stage Helical Planetary Gearbox using Artificial Neural Networks (ANN) with Histogram Features</p> <p><b>2019-28-0151</b> Syed Shaul Hameed, BSACIST</p>
	<p>A Case Study on Development of a Framework for Effective Implementation of Process Failure Modes and Effects Analysis and Control Plans Using Aerospace Standard Best Practices</p> <p><b>2019-28-0149</b> Mani Rathinam Rajamani, GITAM School of Technology</p>	<p>Design of Lightweight composites for Vehicle Front end energy management of Bumper Beam</p> <p><b>2019-28-0085</b> Praveen Kumar, Mahindra &amp; Mahindra, Ltd.</p>	<p>Thermal behavior analysis of Lithium ion cells used in EVs and HEVs</p> <p><b>2019-28-0163</b> Shubham Gaurishankar Lonkar, College of Engineering</p>	<p>Optimization of IP duct vane articulation for improved cabin airflow directivity</p> <p><b>2019-28-0132</b> Subramaniyan Baskar, Mahindra Research Valley</p>	<p>Application of Response Surface Method to optimize Waterjet cutting process parameter of Glass Fiber Reinforced Polymer matrix laminates</p> <p><b>2019-28-0153</b> Savitoj Singh Aulakh, VIT</p>

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### TECHNICAL PAPER PRESENTATION SCHEDULE

FRIDAY, 11<sup>th</sup> OCTOBER 2019

FRIDAY, 11 <sup>th</sup> OCTOBER 2019					
Time	Session 6	Session 7	Session 8	Session 9	Session 10
	Product Design – II	Composite Material – II	Advanced Materials & Applications – I	Modelling & Analysis – II	Manufacturing Processes - II
15:30 - 17:30	<p>A novel method of Improving Ride Comfort of Two Wheeler by Optimization of Seat Parameters.</p> <p>2019-28-0013 Arun Kottayil Varghese, Saingits College of Engineering</p>	<p>Experimental Study on Combined Effect of Ytria Stabilized Zirconia Coated Combustion Chamber Components and Emulsification Approach on the Behaviour of a Compression Ignition Engine Fuelled with Waste Cooking Oil Methyl Esters</p> <p>2019-28-0164 Sangeethkumar Elumalai, Hindustan Institute of Tech. &amp; Science</p>	<p>Characteristic Investigation on Di Diesel Engine With Nanoparticles as an Additive in Biodiesel</p> <p>2019-28-0081 Dhinesh Balasubramanian, Mepco Schlenk Engineering College</p>	<p>Design and Development of Intake Ports for 2-Valve &amp; 4-Valve Configurations for Heavy Duty Off-Highway Diesel Engine</p> <p>2019-28-0042 Sameer Tikar, College of Engineering</p>	<p>Investigation of Dry sliding Wear behavior of AA8011 reinforced with Zirconium Oxide and Aluminium Oxide Hybrid Composites processed through Multi direction forging</p> <p>2019-28-0057 Sathishkumar Kuppuraj, Sri Krishna College of Engg. and Tech.</p>
	<p>Implementation and Experimentation of effective clog removal method in tractors for enhanced condenser life and Air Conditioning performance during Reaper application</p> <p>2019-28-0015 Gurpreet Singh, Mahindra &amp; Mahindra, Ltd.</p>	<p>Design and Analysis of Aluminium-Flyash Composite for Connecting Rod</p> <p>2019-28-0166 Suresh Nuthalapati, Geethanjali College of Engg. and Tech.</p>	<p>Squeak behavior of plastic interfaces</p> <p>2019-28-0083 Lokesh Pancholi, Auto &amp; Truck Services</p>	<p>Design and Development of an Exhaust Muffler With Improved Transmission Loss for a Naturally Aspirated Diesel Engine</p> <p>2019-28-0046 Dalal Premanshu Santosh, Vel Tech Institute of Science and Technology</p>	<p>Turning of Inconel 825 with coated carbide tool applying vegetable-based cutting fluid mixed with CUO, Al2O3 and CNT Nanoparticles by MQL</p> <p>2019-28-0060 Venkatesan Kannan, Vellore Institute of Technology</p>
	<p>Systematic work flow for fatigue life prediction of Automotive components</p> <p>2019-28-0021 Nitin Kumar Khanna, Mahindra &amp; Mahindra, Ltd.</p>	<p>Experimental Investigation on Mechanical Properties and Vibration Damping Frequency Factor of Kenaf Fibers Reinforced Epoxy Composite</p> <p>2019-28-0167 Sathish Kumar Rajamanickam, Hindustan Institute of Technology and Science</p>	<p>A Study and mathematical analysis of thermionic energy conversion materials based on their solid state emission properties.</p> <p>2019-28-0084 Kantaprasad Kodihal, BSDU</p>	<p>Impact of Waste Plastic Oil and its Blends on Performance combustion and emission Characteristics of CRDI Engine</p> <p>2019-28-0047 Arani Vijaya Rao Krishna Chaitanya, VIT-AP University</p>	<p>Machinability and parametric optimization of Inconel 600 using Taguchi-Desirability analysis under dry environment</p> <p>2019-28-0068 Venkatesan Kannan, Vellore Institute of Technology</p>
	<p>Aerodynamic analysis on under body drag and vehicle performance of active front spoiler for high CG vehicles</p> <p>2019-28-0025 Shikhar Chaudhary, Vellore Institute of Technology</p>	<p>Characterization of Areca and Tamarind fiber reinforced hybrid polymer composites for structural applications</p> <p>2019-28-0168 Binoj Joseph Selvi, Sree Vidyankethan Engineering College</p>	<p>Emission and tribological studies on nano CuO/Jatropha methyl ester/Synthetic mineral oil in a two-stroke engine.</p> <p>2019-28-0095 Anbalagan Ramakrishnan, Bannari Amman Institute of Technology</p>	<p>Assessment of Numerical Cold Flow Testing of Gas Turbine Combustor through an Integrated Approach using Rapid Prototyping and Water Tunnel</p> <p>2019-28-0051 Sundararaj Senthilkumar, SRM Institute of Science and Technology</p>	<p>Multi response optimization on machining Titanium alloy using Taguchi-DEAR analysis in abrasive water jet cutting</p> <p>2019-28-0070 Muthuramalingam Thangaraj, SRM Institute Of Science And Technology</p>
	<p>Design Analysis and 3d Printing Of Non-Pneumatic Tyre</p> <p>2019-28-0059 Prashanth Kannan, VNR VJTIET</p>	<p>Experimental Investigation of Silicon Carbide Nanoparticles Reinforced Magnesium Alloy (AZ91E) Metal Matrix Composite by Vacuum Stir Casting Method</p> <p>2019-28-0169 Thirugnana Sambandham Thangavel, PRIST</p>	<p>Critical wear assessment of AA8011/Hybrid metal matrix composites with surface amendment using Friction Stir process</p> <p>2019-28-0096 Soundararajan Ranganathan, Sri Krishna College of Engg. and Tech.</p>	<p>Damage matching criterion for development of accelerated duty cycle from road load data, and achieving right duty cycle to determine gear and bearing durability.</p> <p>2019-28-0121 Amol Korde, Romax Solutions</p>	<p>Investigation of machinability characteristics on turning of Nimonic 90A using Al2O3 and CNT Nanofluids in Groundnut oil</p> <p>2019-28-0072 Venkatesan Kannan, Vellore Institute of Technology</p>
	<p>Advanced Mathematical Modelling for Glass Surface Optimization with PSO</p> <p>2019-28-0104 Pawan Pandey, Becton Dickinson India Technical Center</p>	<p>Development and Investigation of Jute/Linen fibre Reinforced polymer composite.</p> <p>2019-28-0171 Arvinda Pandian, BSA Crescent Institute of Science &amp; Technology</p>	<p>Assessment of tribo meter study of 20MnCr5 alloy steel under case hardened and shot peened condition</p> <p>2019-28-0098 Soundararajan Ranganathan, Sri Krishna College of Engg. and Tech.</p>	<p>Performance Analysis of an Automated Manual Transmission Controller for Two-wheeler</p> <p>2019-28-0125 Saurabh Sunil Patil, CoEP-ARAI Academy</p>	<p>Tool Condition Monitoring in face milling process using decision tree and statistical features of vibration signal</p> <p>2019-28-0142 Pradeep Kumar Durairaj, B S Abdur Rahman Crescent Institute of Science &amp; Technology</p>

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### TECHNICAL PAPER PRESENTATION SCHEDULE

#### SATURDAY, 12<sup>th</sup> OCTOBER 2019

SATURDAY, 12 <sup>th</sup> OCTOBER 2019				
Time	Session 11	Session 12	Session 13	Session 14
	Product Design – III	Modelling & Analysis – III	Manufacturing Processes – III	Advanced Materials & Applications - II
09:00 - 10:30	<p>Design of Light weight spoiler for efficient aerodynamic performance of a vehicle</p> <p>2019-28-0003 Praveen Kumar, Mahindra &amp; Mahindra, Ltd.</p>	<p>A Parametric Study on Electrothermally Actuated Novel Compliant Micro-gripper</p> <p>2019-28-0032 Renold Elsen, VIT</p>	<p>Advances in Laser Welding of Stainless Steel Alloys</p> <p>2019-28-0056 Varun Kumar Arulvizhi, BSACIST</p>	<p>Exploration of dry sliding wear behaviour of sisal fiber-reinforced Cashew Nut Shell Liquid and epoxy polymer matrix composite as an alternative friction material in automobiles</p> <p>2019-28-0173 Soundararajan Ranganathan, Sri Krishna College of Engg. and Tech.</p>
	<p>Damage Analysis of Composite Laminates</p> <p>2019-28-0092 Palaniammal Rajamani, GITAM School of Technology</p>	<p>Torsional Stiffness Analysis Of Tubular Space-frame Chassis</p> <p>2019-28-0033 Venkata Naga Bhavani Prasad Sodisetty, SRM Institute of Science and Technology</p>	<p>Corrosion characteristics on friction stir welding of dissimilar AA2014/AA6061 alloy for automobile application.</p> <p>2019-28-0063 Govindasamy Rajamurugan, Vellore Institute of Technology</p>	<p>Tensile and Fatigue behavior of shallow cryogenically treated En19 alloy steel</p> <p>2019-28-0100 Loganathan Sekar, BSACIST</p>
	<p>Development of Methodology to Determine Toe Geometry of any Vehicle at its Early Design Stage for Optimum Tyre Life</p> <p>2019-28-0105 Nitin Kumar Khanna, Mahindra &amp; Mahindra, Ltd.</p>	<p>Aerodynamic Drag Reduction of a Intercity Bus through surface modifications- A Numerical Simulation</p> <p>2019-28-0045 Mathialagan Velshankar, Mahindra &amp; Mahindra, Ltd.</p>	<p>Mechanical and Metallurgical analysis of HSLA steel for Gas Tungsten Arc Welding with different shielding gases</p> <p>2019-28-0069 Dhanraj Gurusamy, CSI College of Engineering</p>	<p>Investigation of thermal shock resistance of CeO2 coating on Titanium alloy by magnetron sputtering</p> <p>2019-28-0103 Bala Manikandan Cheirmakani, Mepco Schlenk Engineering College</p>
	<p>Mathematical Modelling of Door Shut-line Definition in CATIA</p> <p>2019-28-0107 Hasan Askar, Mahindra &amp; Mahindra, Ltd.</p>	<p>Design of energy absorbing plastic brackets to meet rear crash regulation ECE R42</p> <p>2019-28-0041 Praveen Kumar, Mahindra &amp; Mahindra, Ltd.</p>	<p>Study of Mechanical Properties of Similar and Dissimilar Metals of Monel 400 and SS 321 by using Gas Tungsten Arc Welding (GTAW) Process</p> <p>2019-28-0141 Sudarshan Rikka, Geethanjali College of Engg. and Tech.</p>	<p>Experimental Investigation Mechanical and Corrosion Characteristics of Friction Stir Welded Aluminum Alloy 7075-T6</p> <p>2019-28-0175 Deepankumar S, Assistant Professor</p>
	<p>Design and Development of a Semi Active Electromagnetic Suspension System under Static Loading for Lower Frequency Range</p> <p>2019-28-0110 Palash Agrawal, B.Tech Research Student ARAI Academy</p>	<p>Design Analysis &amp; Development of High speed Rotating Fatigue test with integrated by twisting test.</p> <p>2019-28-0053 Avinash Prakash Barve</p>	<p>Metallurgical and Wear Behaviour of Stellite 6 reinforced Stainless Steel 316 joints by Nd-YAG Laser Welding Process</p> <p>2019-28-0147 Varun Kumar Arulvizhi, BSACIST</p>	<p>Corrosion and Corrosive Wear of Steel for Automotive Exhaust Application</p> <p>2019-28-0178 Raj Rajendran, SRM Institute of Science and Technology</p>
	<p>Design Optimization of Trunk Lid Torsion Bar Type Trunk Lid Pop Up Mechanism</p> <p>2019-28-0111 Sharath Chandra Kasarla, Maruti Suzuki India, Ltd.</p>	<p>Design and Analysis of Hybrid Metal Matrix Composite Connecting Rod via Stir/Squeeze Casting Route</p> <p>2019-28-0113 Soundararajan Ranganathan, Sri Krishna College of Engg. and Tech.</p>	<p>Vision Based Surface Roughness Characterization of Flat Surfaces Machined with EDM.</p> <p>2019-28-0148 Mahashar Ali, BSA Crescent Institute of Science &amp; Technology</p>	<p>Surface modification of Aluminium alloy 5083 reinforced with Cr2O3/TiO2 by friction stir process</p> <p>2019-28-0179 Adarsh Singh, Vellore Institute of Technology</p>

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**SATURDAY, 12<sup>th</sup> OCTOBER 2019**

Time	Session 15	Session 16	Session 17	Session 18	Session 19
	Advanced Mobility – II	Product Design – IV	Product Design - V	Modelling & Analysis - IV	Modelling & Analysis - V
<b>11:00 - 13:00</b>	<p><b>Demand Side Load Management By Using Priority Based Load Shedding Algorithm With and Without Renewable Energy Generation.</b></p> <p>2019-28-0073 Rajarajeswari Rathinam, SRM Institute of Science And Technology</p>	<p><b>Design, Development and Analysis of Mullite Catalytic Converter for CI Engines</b></p> <p>2019-28-0017 Selvakumar Pandiaraj, Kongu Engineering College</p>	<p><b>Design of a novel Electro-Pneumatic gear shift system for a Sequential gearbox</b></p> <p>2019-28-0011 Jeevesh Jain, Vellore Institute of Technology</p>	<p><b>Analysis of Windshield defrosting of a Passenger car- An Experimental and Numerical Approach</b></p> <p>2019-28-0115 Chandan Kumar, Maruti Suzuki India Ltd.</p>	<p><b>Design Analysis and Simulations of Components of an All-Terrain Vehicle</b></p> <p>2019-28-0049 Shukla Pranjal, BITS Pilani, Hyderabad</p>
	<p><b>An efficient algorithm for extracting structured information from different vision objects in autonomous vehicle</b></p> <p>2019-28-0074 Meenakshi Nagarajan, Hindustan Institute Of Technology Science</p>	<p><b>Real Time Piston Temperature Measurement using Telemetry Technique in Internal Combustion Engine</b></p> <p>2019-28-0022 Anil Thakur, Cummins Technology India Limited</p>	<p><b>Design of light weight Hydraulic Connecting Rod for Agricultural Tractor</b></p> <p>2019-28-0016 Mahendra Dumpa, Mahindra &amp; Mahindra, Ltd.</p>	<p><b>Modeling tracked vehicle to determine undercarriage performance</b></p> <p>2019-28-0116 Goutam Shriyan, John Deere India Pvt. Ltd.</p>	<p><b>Development of a Simulation Model for Computing Stable Configurations for Off-Road Vehicle</b></p> <p>2019-28-0126 Piyush Kailash Malviya,</p>
	<p><b>Amelioration of modular mobility by adopting split cell solar panel cleaning and cooling thereof</b></p> <p>2019-28-0078 Soundararajan Ranganathan, Sri Krishna College of Engg. and Tech.</p>	<p><b>Optimization of In-Cylinder Flow and Swirl Generation Analysis for a Naturally Aspirated Diesel Genset Engine for Emission reduction through Intake Port Design</b></p> <p>2019-28-0024 Sameer Tikar, College of Engineering</p>	<p><b>Fuel efficiency improvement in automatic Transmissions by Lock-up clutch slip control methodology.</b></p> <p>2019-28-0029 Arun Sukumar, Mahindra &amp; Mahindra, Ltd.</p>	<p><b>Design and Fabrication of CFRP wheel centre for FSAE Race-car</b></p> <p>2019-28-0117 Sangeet Aggarwal, VIT</p>	<p><b>System level design of a self-stabilizing two-wheeler suspension concept</b></p> <p>2019-28-0127 Hariharan Sankarasubramanian, Sastra Deemed University</p>
	<p><b>Experimental Investigation of Performance Variable Compression Ratio Engine Fueled with Diesel Butanol Blends with Nano Additives</b></p> <p>2019-28-0157 Prabakaran Balasubramanian, Hindustan Institute Of Tech. Science</p>	<p><b>Prototype design of a small scale thermionic energy generator for waste heat recovery in hybrid electric vehicle.</b></p> <p>2019-28-0027 Kantaprasad Kodihal, BSDU</p>	<p><b>Effective Powertrain Isolation of Off-Highway Vehicles</b></p> <p>2019-28-0106 Pushpak Sakhala, Vellore Institute of Technology</p>	<p><b>Attenuation of Aeroacoustics Noise of a Typical Van Using Passive Devices Through CFD Simulation</b></p> <p>2019-28-0034 Mukundan Manikandan, Vel Tech Institute of Science and Technology</p>	<p><b>Prediction of Hydraulic Cavitation using 1D simulation technique</b></p> <p>2019-28-0129 Pritam Shinde, VJTI</p>
	<p><b>Influence of addition of ethanol into Non-Edible biodiesel from rice bran oil on the properties and performance – An Experimental Study in Direct Injection VCR diesel engine</b></p> <p>2019-28-0160 Prabakaran Balasubramanian, Hindustan Institute Of Tech. Science</p>	<p><b>Parametric Calculation and Significance of Engine Dynamic Torque in Performance Benchmarking of a Vehicle</b></p> <p>2019-28-0028 Praveen Kumar Ramani, Mahindra Research Valley</p>	<p><b>Optimal Sizing and Energy Management of a Microgrid using Single and Multi-Objective Particle Swarm Optimization under Autonomous and Grid Connected mode</b></p> <p>2019-28-0158 Suchitra Dayalan, SRM Institute of Science And Technology</p>	<p><b>Simulation Analysis of Single-Phase Matrix Converter for Cycloconverter operation using SPWM with under and over modulation Technique</b></p> <p>2019-28-0120 Kalaierasi Nallathambi, SRM Institute Of Science And Technology</p>	<p><b>Modeling and analysis of helical and wave spring behavior for automobile suspension</b></p> <p>2019-28-0130 Soundararajan Ranganathan, Sri Krishna College of Engg. and Tech.</p>
	<p><b>Electronic Travelling Kit For Navigation Of Visually Challenged Individuals</b></p> <p>2019-28-0162 Rajarajeswari Rathinam, SRM Institute of Science and Technology</p>	<p><b>Experimental Investigation of Performance of DI Diesel Engine Fueled with Diesel Butanol Blends by Modification of Engine Operating Parameters</b></p> <p>2019-28-0112 Prabakaran Balasubramanian, Hindustan Institute Of Tech. Science</p>	<p><b>Design of Light Weight Footstep Using Continuous Glass Fiber Reinforced Plastic Brackets</b></p> <p>2019-28-0172 Praveen Kumar, Mahindra &amp; Mahindra, Ltd.</p>	<p><b>Experimental investigation on EGR technique and fuel antioxidant additive in CI engine fuelled with plastic oil blend for emission reduction</b></p> <p>2019-28-0079 Balaji Gnanasikamani, SRM Institute of Science and Technology</p>	<p><b>Enhancement of Performance and Emission Characteristics of SI Engine Using Multi Ground Spark Plug With Alcohol Fuel Blends</b></p> <p>2019-28-0154 Raju Tappa, VNR VJTIET</p>