

RAMMTE-2022 Tentative list of Accepted papers for presentation

At least one author needs to register for the presentation

Registration link

https://docs.google.com/forms/d/e/1FAIpQLSed9JUz7LGVKSMMlazeH7qLIO649Pve9K20EUhnBUUpUimKHjQ/viewform?usp=sf_link

Paper ID	Title of the Paper
8	Influence of Squeezed Stir-Casting Parameters of AZ91 Mg Alloy
11	Thermal and Dynamic Mechanical Properties of Acrylonitrile-Butadiene Rubber with Sulfur Accelerator and ZnO Activator at Low-temperatures
12	Simulation-based study of the Implementation of Bio-Inspired Riblets in Supersonic Nozzles
13	Analysis of fluid film thickness and pressure distribution in different hydrodynamic bearings
14	Soy flour Ash for adsorption of cationic and anionic dyes from aqueous media
15	Efficacy of ANN and ANFIS as an AI technique for the prediction of COF at finger pad interface in manipulative tasks
19	Second law thermodynamic analysis of nanofluid turbulent flow in heat exchanger
20	Challenges Related to Flexible Manufacturing Systems
21	Thermal Performance Investigation of Enhanced Receiver Tube for Concentrated Solar Collector
22	Identification and Analysis of Entrepreneurial Challenges for Solar Panel Cleaning Business in the Indian Context
23	Food item identification and contamination detection based on Neural networks
24	Selection of contractor for outsourced transport services in schools
28	Thermal Wear in Disc Brake Friction Pads
29	Field Survey of Common defects on individual components of Bridge structure
30	Evaluation of Machine Learning Algorithms for Prediction of Mechanical Property of Blended Cement Concrete
31	Climate Impact & Feasibility Study on Waste-To-Energy Incinerators of Delhi
32	Effect of different types of notches on heat transfer through fins
33	A Fuzzy Multi-Criteria Decision-Making Approach for Finding Energy-Efficient Building Model
34	Material model simulation of Redesigned intake manifold with Dimpled surface for I.C. Engine
35	A new controller for Energy Management System of EV
36	Microwave Assisted Synthesis of Mn ₃ O ₄ Nanoparticle for Thermal Energy Storage
37	Development of Latent Fingerprint Using Nanocarbon Dot synthesized from Date seed
38	A THEORETICAL THERMODYNAMIC ANALYSIS OF R1234yf/CO ₂ CASCADE REFRIGERATION SYSTEM
39	Industry Automation with Safety and Machine Fault Indication

40	Review Of Zinc Based batteries for Energy Storage in India
41	Descriptive Review on Hydrogen Production and Consumption in India: A Status Report
42	Mechanical Characterization of SiC Nanoparticles Reinforced in AA6063 using Friction Stir Processing
43	Analyzing the factors influencing the Electric Vehicle Selection using Fuzzy AHP and TOPSIS-SAW-COPRAS-ELECTRE Framework
44	Assessment of Flexural Performance of Nanoparticle Induced Glass/Epoxy Composite in Varying Conditioning Environments
45	Predicting the Leidenfrost temperature of Quenching Vertical Rods in Water using XG Boost and Artificial Neural Networks
46	Supply Chain Optimization Of Hyperlocal Delivery Startups
47	CASE STUDY: SUPPLY CHAIN MANAGEMENT OF TOYOTA
49	Simulation modeling of a greenhouse integrated with earth-air heat exchanger system
50	Comparative experimental model study of ethanol-blended fuels with respect to diesel and petrol
51	Execution of CNG on two-wheeler vehicles
52	Performance assessment of hydrogen-based hybrid renewable energy power generation commercial system
53	Manufacturing Process and Mechanical Properties of Hemp Reinforced PLA Composite: A Review
54	CFD ANALYSIS OF TWO-PHASE EJECTOR IMPACTS OF C-D NOZZLE GOMETRY
55	Speed-Sensitive Smart Speed Bump for Efficient Traffic Management
56	Effect of temperature on different operating variable of proton exchange membrane fuel cell
57	Introduction of Agile, Green, Lean, and Resilient Elements to Flexible Systems: State of the New Age Trends of Manufacturing in India
58	Experimental Performance Investigation of Compound Parabolic Cavity Receiver having Single Absorber Tube
61	Analysis of an Integrated Inspection Production System and Production Sector in a Manufacturing System
62	Reinforcement Learning based Autonomous Mobile Mechanical Manipulator based Mechanical Engraving System
63	Hybrid salp swarm algorithm and grey wolf optimizer algorithm based ensemble approach for breast cancer diagnosis
65	Conceptual Design and Analysis of Planetary Martian Rover
66	A cost-effective battery pack design with better thermal management system for smaller capacity electric vehicles
67	Optimum Location Selection for Smog Tower Installation in Delhi
68	Application of machine learning approach in internal combustion engine: A comprehensive review
69	Design and Structural validation of Aluminum frame of Standing Wheelchair using FEA
70	Experimental validation of damage detection in concrete beam under impact load using piezo sensor

71	Suspension Kinematics and Unsprung Design
72	Numerical Study of Deep Drawability of an Aluminium Alloy
73	Damage Detection in Low Rise Building Using Mode Shape Slope and Curvature
74	Identification and SWOT Analysis of Environmental and Safety Challenges of Battery-powered Electric Vehicles in India
75	Analysis of crashworthiness of a saloon car fitted with CNG cylinder
76	Experimental investigation for enhancing surface quality in 3D printing technology using non-planar layer method
77	Damage Detection in Low, Medium and High Rise Building Using Modal Slope and Curvature
78	Assessment of PV Waste Generation in India
79	Detection Of Vitiligo Using Optical Sensor Based On 2-D Photonic Crystals
80	Smart System for Monitoring the Toxic Gases in Sewerage System via Wireless Network
81	Neuro-fuzzy-based modeling of exhaust emission from dual-fuel engine powered with second generation biodiesel and producer gas
82	Potential of metals recovery from ELVs Parts after dismantling vehicles
83	Scrutinizing the enablers of flexible manufacturing competence of organizations using DEMATEL approach
84	Seismic Analysis of RC Frame Buildings With Infill Walls
85	PROGRESSIVE COLLAPSE ANALYSIS OF RCC BUILDING
86	Impact of rainfall infiltration on the stability of slopes along NH-44, Jammu-Kashmir
87	Inter-Relationship Of Infill Walls And Geometrical Parameters Of RC Frame Building
88	Additional Power Conservation in 200W Power Plant with the Application of High Thermal Profiled Cooling Liquid & Improved Deep Learning based Maximum Power Point Tracking Algorithm
90	Design, material, and performance study of modified solar cooker
91	SEISMIC ANALYSIS OF CONFINED MASONRY STRUCTURE USING ETABS
92	Development of Control Algorithm for Self- Driving Vehicle using LabVIEW
93	On the identifying suitable substrate medium for induction heating-based metal wire additive manufacturing
95	Kinetic analysis of Phoenix Dactylifera and Phyllanthus Emblica seeds through thermogravimetric analyser: Determination of Activation Energy
96	An overview of nanoparticle enhanced biodiesels
97	REVISITING THE RECENT ADVANCEMENTS IN THE DESIGN AND PERFORMANCE OF SOLAR GREENHOUSE DRYERS
98	A REVISIT TO RECENT DEVELOPMENT IN ENHANCEMENT OF THERMAL PERFORMANCE OF RIBBED SOLAR AIR HEATER
99	Application of multi-criteria decision-making tool for choosing right biogas plants: process controllability, suitability, and cost perspectives
100	Mathematical Modeling and Simulation of dual fuel cycle using Natural gas and diesel/biodiesel
101	Effect of Temperature variation on the Open Circuit Voltage of a Solar Cell

102	LASER INDUCED SPARK IGNITION OF METHANE-AIR MIXTURES IN A CONSTANT VOLUME COMBUSTION CHAMBER
103	Comparative Investigation of a Conventional and a Floating Photovoltaic System
104	A new insight into two-phase flow pressure-drop estimation and optimization of a refrigerant R1234yf
105	Experimental Analysis of Nano- Carbon Doped Alumina for Industrial Applications
106	Application of Industrial High Performance Waste and Cigarette Filter in Thermal Insulation
107	Experimental Study on FDM 3d Printed Object & Position Analysis Using Multicriteria Decision-Making Process
108	Techno-Economic Assessment of Aluminium Suction Based Domestic Refrigerator
109	Dynamic Deflection Study of Transversely Impacted Beams
110	Analysis of Structure, Surface Morphology and Engineering Application of Biological Micro Particles
111	Various Aspects of Thermal Energy Storage system – A Review
112	Modal Analysis of Plate to Analyze the Effect of Mass Stiffener Using the Chladni Plate Approach
113	Gear Fault Detection Using Noise Analysis and Machine Learning Algorithm with YAMNet Pre-trained Network
114	Analytical And Experimental Characterization of Improved Design of Parabolic Trough Solar Collector
115	Enhanced Mechanical Strength and Thermal Conductivity of Nano-carbon Areca Fiber Powder Reinforced Epoxy Composites
116	Effect of Initial Temperature and Diameter of Ethanol Droplet on Evaporation Dynamics in Convective Air Medium
119	Impact of Emerging Technologies on Digital Manufacturing: Insights from Literature review
120	Functionally Graded Materials : A Review
121	Numerical Study on Momentum and Heat Transfer Phenomenon from a Sphere under Force Convection Environment
122	Experimental Investigation of Welding Parameters on Mild Steel Using Metal Active Gas Welding
123	Comparative Assessment of four Techniques for Multi-modality Medical Images
124	The role of quasi-static strain rate on the mechanical behavior of WE43 magnesium alloy
125	A Novel Scheme for Enhancing Quality of Pictures
126	Experimental analysis of cutting forces under different machining parameters and carbide inserts during turning of hardened AISI 4340 steel
127	Analysis of Lattice based Cranial Implant
128	Energetic Feasibility Analysis of Low Temperature Solar Thermal Applications
129	Modelling and CFD Analysis of Hepatic Veins of Liver
130	EXPERIMENTAL INVESTIGATION OF CUTTING PARAMETERS DURING LASER BEAM MACHINING OF ALUMINUM ALLOY 7075
131	Supercapacitor Application for Future E-Mobility
132	Design And Analysis Of Hip Implant

133	An Assessment of Pounding Effect & its Reduction Using Various Methods in a R.C. Framed Structures
134	A REVIEW PAPER ON AROMATIC INDUSTRY WASTE BASED CARDBOARD COMPOSITES FOR VARIOUS PACKAGING APPLICATION AND ITS FEASIBILITY
135	Study of behaviour of TMD in a multistorey building using OPENSEES
136	Design of Immersion based Battery Thermal Management System for Electric Vehicle battery
137	Measurement of cutting forces by Dynamometer during Turning of EN-8 steel
138	Parametric Study of Fused Deposition Modelling Process during Fabrication of Acrylonitrile Butadiene Styrene (ABS) Based Injection Molding Die
139	Influence of various geometric parameters on sandwich panel under ballistic impact using finite element approach
140	Vibration analysis of functionally graded porous nano-beams: A comparison study
141	Issues and challenges of Mass Customization
142	Mathematical Modeling: Magnetic Field Effect on Oscillatory MHD Couette Two Dimensional Flow Regime
143	Mathematical modelling of Thermal Energy Storage System with different PCM materials : experimental validation
144	Investigation of Novel epoxy/mixed plastic waste char nanocomposites: mechanical, thermal and morphological properties
145	Experimental performance characteristic of 1KW commercial PEM fuel cell
148	A Review on 3D Printed Implant for Oral and Maxillofacial Surgery
149	An Adaptive Whale Optimization Algorithm based CT Image Denoising in Wavelet Domain
150	Improving competitiveness through MTO systems
151	Entrepreneurial Intention among Skill Development Institutes: Issues & Challenges
152	TOPSIS Approach for Selecting the Most Appropriate Brand of Spark Plug
153	Battery Thermal Management System for the Cooling of Li-Ion Batteries used in Electric Vehicles
154	Various Treatment Methods for Enhanced Bio-Hydrogen Production
155	Experimental study of performance and emissions characteristics of neat Karanja biodiesel and diesel fuel on a single cylinder agriculture diesel engine
156	Characterization of Fracture Toughness of As Cast Si-Mo-Cr Ductile Cast Iron
157	Optimization of Process Parameters of Gas Metal Arc Welding Using Taguchi Method
159	Energy and Exergy Analysis of CI engine dual fuelled with Linseed Biodiesel and Biogas
160	Investigating Membrane Degradation in Low Temperature Proton Exchange Membrane Fuel Cell (PEMFC)