



RESEARCH ASSOCIATION OF MASTERS OF ENGINEERING
INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN
MECHANICAL ENGINEERING AND NANOMATERIALS

ICRAMEN-2021

16-17 OCTOBER 2021

LIST OF ACCEPTED PAPERS

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paper_36	Shrutika Dahake, Nilesh Awate and Rupesh Shelke	Design And Analysis of Release Mechanism Using Shape Memory Alloy for Spacecraft
paper_37	Deepesh Makhija, Sanjay Jain, Madhusudan Achari and Kunal Ghosh	Aerodynamic analysis of aircraft model using indigenously developed wind tunnel facility
paper_38	Dhairya Raval, Sanjay Jain, Madhusudan Achari and Kunal Ghosh	Design and analysis of smoke flow visualization apparatus for wind tunnel
paper_40	Saurabh Kumar	Free vibration analysis on axially graded beam resting on variable Pasternak foundation
paper_44	Nitin Sawarkar, K S Zakiuddin, Roshan Umate, Rajkumar Chagde	Application of Jaw Type Flexible Clutches In Human Powered Machines: A Literature Review
paper_46	Surojit Biswas and Priyankar Datta	Finite Element Model for Free Vibration Analyses of FG-CNT Reinforced Composite Beams using Refined Shear Deformation Theories
paper_51	Devismita Sanjay, Neeraj Kumar and Souptick Chanda	Stress-strain distribution in intact L4-L5 vertebrae under the influence of physiological movements: A finite element (FE) investigation
paper_54	Prakash Kumar Sen and Mahesh Bhiwapurkar	Numerical Simulation and Parametric Analysis of Fatigue Crack in UIC60 Rail Thermite Welded Joint

Track 2 - Material Science and Nanomaterials		
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paper_30	Sk Faruque Ahmed, Mohibul Khan and Nillohit Mukherjee	Enhancing electrical properties of carbon nanotubes thin films by silicon incorporation
paper_33	Mukesh Thakur and Rohan Senanayake	Experimental Analysis using an Innovative Catalytic Converter coated with Nano-particles for Pollution Control from Automobiles

paper_39	Mohd. Anas and Anurag Sharma	2-Dimensional inline system for peppermint oil extraction
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paper_47	Ujjwal Ks and Dr. Sharath Chandra N	A review of wear resistance materials used in power-screw mechanism for aerospace applications
paper_48	Siva Chakra Avinash Bikkina	Analysis of Electromagnetic Reflection Loss for Mesh Structure with Al6061 MMC for Aerospace Applications
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