

NATIONAL CONFERENCE ON "FUTURE TRENDS AND CHALLENGES IN MECHANICAL ENGINEERING"



4th & 5th April 2024

	Selected Papers List		
Paper ID No	Mode of Paper Presentation	Paper Title:	
101	Offline Mode	Security cabin manufacturing and assembly made using material fiber reinforced plastic (FRP) by hand lay up process	
102	Offline Mode	Design and fabrication of briquette machine with iot enabled	
103	Offline Mode	Design and Development of Multidirectional Dumper	
104	Offline Mode	Design and Development of Leaf Spring Fatigue Testing Machine	
105	Offline Mode	DESIGN AND DEVELOPMENT OF AUTOMATIC BALANCING MACHINE	
106	Offline Mode	Design modification and advancement in vending machine	
107	Offline Mode	Design and Development of Robot for cleaning rubbish floating on water with water quality monitoring system	
108	Offline Mode	Design & Analysis of Solar Operated Clothes Dryer	
109	Offline Mode	Robotic System for ETP Tank Cleaning and Maintenance	
110	Offline Mode	Design and Development of Advance Rotary Storage System for Industry	
111	Offline Mode	Manufacturing of portable pneumatic vertical honing machine	
112	Offline Mode	Design and fabrication of Automatic Wall Plastering Machine	
113	Offline Mode	Cooling and Power Regeneration Through heat dissipated by Li-ion battery in EV vehicle	
114	Offline Mode	Robotic System For Tank Cleaning And Maintenance	
115	Offline Mode	Design and fabrication of weed removing machine using deep learning.	
116	Offline Mode	DESIGN, DEVELOPMENT AND ANALYSIS OF FOLDABLE FLIP-UP E-SCOOTER FOR INDUSTRIAL USE	
117	Offline Mode	Design And Implementation Of Plc Based Component Cleaning Station	
118	Offline Mode	Design and Development of Smart Automatic Patient Lift and Transport Chair	

119	Offline Mode	Design and Fabrication of Conveyor for Seedling Pickup
120	Offline Mode	Design and development of cooling tower
121	Offline Mode	Thermo-Electric Generator using waste exhaust heat of a IC engine
122	Offline Mode	Pickup and Drop System for Seedling using Gantry Mechanism
123	Offline Mode	Manufacturing and testing of refrigeration system by using peliter plate
124	Poster Presentation	Design and fabrication of Automatic planting machine for agriculture application
125	Offline Mode	Analysis of Influence of Process Parameters of Laser Cutting on Al 6061 Alloy
126	Offline Mode	Design of an autonomus rover using rocker bogie mechanism for agriculture purpose.
127	Offline Mode	Wave Power Generator
128	Offline Mode	Design and Development of Vacuum Seeder Sowing Machine.
129	Offline Mode	Design and Fabrication of Atmospheric Water Harvester
130	Offline Mode	Design and Development of onion cold storage
131	Offline Mode	Design and Fabrication of Advanced Rocker Bogie
132	Offline Mode	A Comprehensive review on integrated farming sysytem for seed sowing, pesticide spraying and seed replantation with post sowing assesment
133	Offline Mode	Design and Development of Axial Blower/fan Test Rig
134	Offline Mode	Analysis and simulation of solar powerd and li-on battery based light weight e-bicycle
135	Offline Mode	Design and Development of Car Towing machine
136	Offline Mode	Design, and Fabrication of Advance Intelligence & Regenerative Braking System
137	Offline Mode	A Review on Software's used in Solar Dryer and PVT System
138	Offline Mode	Synthesis and Characterization of Co-doped ceria- based electrolytes for LT- SOFC Application
139	Offline Mode	IOT Based Arm Robot
140	Offline Mode	Condition Monitoring of gear box by using AIML.
141	Offline Mode	Design of Magnetically Actuated Micromixer for Lab on Chip (LoC) Device
142	Offline Mode	Hybrid Micro Electrical Discharge Machining: A Review
143	Offline Mode	Numerical Analysis of the Ejection Seat at Mach Number 0.3

144	Offline Mode	Investigation of Mechanical Properties of Bone at Nano Scale
201	Online Mode	INVESTIGATING AUGMENTATION OF CONVECTIVE HEAT TRANSFER IN RADIATOR IMPLOING AL2O3 & ZnO NANO-PARTICLES SUSPENSION
202	Online Mode	Design and development of magnetic sweeper machine
203	Online Mode	Design and Improvement of Smart Solar Flower
204	Online Mode	SMART ADAPTIVE HEADLIGHT SYSTEM: DESIGN, DEVELOPMENT, AND FOG DETECTION FOR ENHANCED FOUR-WHEELER SAFETY
205	Online Mode	A COMPREHENSIVE REVIEW OF MODELS FOR SOC & SOH ESTIMATION OF LI-ION BATTERY.
206	Online Mode	Design and Manufacturing of Electric Bicycle with Custom BMS
207	Online Mode	DESIGN AND HYDRODYNAMIC ANALYSIS OF SUSPENSION SYSTEM IN CATAMARAN YACHT.
208	Online Mode	Solar Powered Seed Spraying Machine
209	Online Mode	Effect of surface modification on cast iron gears for reduction in wear
210	Online Mode	Experiment investigation and analysis of shell and tube heat exchanger by using zinc nitrate copper chloride nickel chloride
211	Online Mode	Design and Fabrication of Three Stage Planetary Gearbox
212	Online Mode	Design and Analysis of Hill Assist System for Vehicle
213	Online Mode	Design and fabrication of tamarind seed removal machine
214	Online Mode	Design and fabrication of electrical vehicle cooling system
215	Online Mode	Design and Fabrication of fruit sorting machine
216	Online Mode	Comparative vibration analysis for gear health assessment and fault detection.
217	Online Mode	TWIN BLADE BATTERY OPERATED CULTIVATOR
218	Online Mode	Telesurgery Surgery In Digital Age
219	Online Mode	Design and Fabrication of Compressor less Solar Refrigerator using Peltier Module
220	Online Mode	DESIGN AND ANALYSIS OF FORMULA STUDENT ELECTRIC CAR DRIVE TRAIN
221	Online Mode	Design and Fabrication of Pneumatically Powered Wheel chair Cum Stretcher with Ventilated Seat
222	Online Mode	EXPERIMENTAL INVESTIGATION OF BORING TOOL USING PASSIVE DAMPING ARRANGEMENT

223	Online Mode	INTEGRATED SMART TROLLEY WITH AUTOMATED BILLING AND MULTIFUNCTIONAL CAPABILITIES
224	Online Mode	Development of driver assistant and safety system using machine learning
225	Online Mode	Design and Development of Autonomous vehicle for security purpose using machine learning
226	Online Mode	IOT ENHANCED REAL TIME FUEL MONITORING SYSTEM
227	Online Mode	Modelling and fabrication of wireless charging system using pv array
228	Online Mode	Design and fabrication of underground cable fault detection machine
229	Online Mode	Design, Analysis and Fabrication of Brake System and Pedal Assembly for a Formula Student Racecar
230	Online Mode	Identification of Mechanical Components using AIML
231	Online Mode	Experimental and statistical investigation of surface roughness of steel SM45 during machining using Taguchi method
232	Online Mode	Design of Differential Gearbox Locking System
233	Online Mode	Design and analysis of automatic sugarcane bud cutter machine
234	Online Mode	Analysis of IC engine fins for effective cooling performance
235	Online Mode	A review on Compacted Graphite Iron
236	Online Mode	DEVELOPMENT OF ACOUSTIC ENCLOSURE (CANOPY) CONTAINER FOR A DG SET
237	Online Mode	Pump Failure Detection System
238	Online Mode	Development design and analysis of oil skimmer
239	Online Mode	Solar Powered Multitasking Agricultural Rover
240	Online Mode	A Comprehensive Review on the Effects of Drop Test on Lithium Ion Battery Cell Parameter
241	Online Mode	Design and fabrication of Zero radius turning vehicle
242	Online Mode	DESIGN AND FABRICATION OF DOOR UNLOCKING WITH SMART ATTENDANCE SYSTEM
243	Online Mode	Experimental and CFD simulation of mini channel heat sink using optimized volume fraction of nanofluid
244	Online Mode	Gear box analysis by using AIML and manufacturing of online monitoring system.
245	Online Mode	Design and Fabrication of 360 degree Rotating Fire Protection System

246	Online Mode	DESIGN AND VIBRATION ANALYSIS OF CAR SPOILER
247	Online Mode	Design and Fabrication of Rocker Bogie mechanism
248	Online Mode	Bending Stiffness Investigation Of Hybrid Composite Leaf Spring Vibration Data Analysis
249	Online Mode	REGENERATIVE SUSPENTION SYSTEMS
250	Online Mode	Regenerative Braking System For Electrical Vehicle
251	Online Mode	One-Dimensional Analysis of a Railway Track Structure (UIC60 Rail) using BOEF, Winkler Hypothesis using MATLAB
252	Online Mode	Investigation of pool boiling enhancement on different structured surfaces and geometries: A Review
253	Online Mode	Design and Development of Pulse Detonation Engine for small satellite steering
254	Online Mode	Review of Some Novel Techniques for Improving Journal Bearing Dynamic Stability
255	Online Mode	Design and Development Of Solar Light tube for Multilayer Farming.
256	Online Mode	Tyre Condition Monitoring
257	Online Mode	IOT Based Autoschediasm Of Zip Cutting Machine