



SPICON 2022

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Sardar Patel International Conference

on

“Industry 4.0 - Nascent Technologies and Sustainability for 'Make in India' Initiative”

Track: Mechanical Engineering			
Session Schedule			
➤ Session Number: S9/5 – M1			
➤ Date: 22/12/22			
➤ Time: 2pm to 3pm			
➤ Type of Session: Offline			
➤ Track: Mechanical Engineering			
➤ Venue / Link: Room No. 114			
Sr. No.	Paper ID	Authors	Title
1	6243	Ishani Prabhudesai and Nilesh Raykar	Banana Fiber Sandwich Panel as a Green Alternative to Synthetic Foams for Insulation in Transportation industry
2	2725	Madan Narayanan, Shashank Phulmali and Suraj Swami	3d Simulation Design Analysis and Testing of Cams to Obtain Optimum Pressure Angle and Minimum Radius of Curvature for Textile Application.
3	2785	Jayram Gholave, Kiran Shelke, Sharad Valvi, Haseen Shaikh, Balwant Bhasme, Kiran Bhole, Rahul Chavhan, Vishal Dake, Snehjit Kumbhar and Pravinchandra Gaikawad	Ionic Liquid Mediated An effective synthesis of 2-Arylbenzothiazol
4	3517	Sanket Chaudhari, Santosh Rane and Kiran Bhole	‘Digital Twin’ Modelling for Monitoring Process Heater Design Performance
5	7731	Bhavik Modi and Santosh Rane	Artificial Intelligence Technology: A Bibliometric Analysis and Future Research Direction for Manufacturing Industry



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Track: Mechanical Engineering

Session Schedule

- Session Number: **S10/5 – M4**
- Date: 22/12/22
- Time: **3pm to 4pm**
- Type of Session: **Online**
- Track: **Mechanical Engineering**
- Venue / Link: Room No. 237/249 / <https://meet.google.com/ejj-xufh-yws?authuser=0>

Sr. No.	Paper ID	Authors	Title
1	903	Mrs. Priya Bramhwanshi, Sagar Dhotare and Chinmay Rohekar	Investigation of VRM to minimize Grinding Oil Leakage in Iron Ore Pellets Manufacturing Industry
2	916	Gayatri Abhyankar, Santosh Rane and Milind Kirkire	Revisiting Sustainable Supply Chain from Industry 4.0 Perspective
3	1099	Suresh Jadhav, Sharad Valvi, Kunal Patil, Haseen Shaikh, Jayram Gholave, Balwant Bhasme and Kiran Bhole	Prediction of Turbine Housing Joint Mechanical Loading
4	1199	Shreyas Kale, Kartik Shah, Pallavi War and Santosh Rane	Voice command based axially extending mechanism for Fan
5	8231	Rahul Dandage and Santosh Rane	Developing a framework for international project risk management- A Comparative study of various international standards



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Track: Mechanical Engineering

Session Schedule

- Session Number: **S13/5 – M5**
- Date: 22/12/22
- Time: **4:15pm to 5:15pm**
- Type of Session: **Offline**
- Track: **Mechanical Engineering**
- Venue / Link: Room No. 114

Sr. No.	Paper ID	Authors	Title
1	2227	Sharad Valvi, Suresh Jadhav, Haseen Shaikh, Jayram Gholave, Kiran Bhole, Kiran Shelke, Balwant Bhasme, Rahul Chavhan, Vishal Dake and Snehjit Kumbhar	Design of Experimental Setup of Desalination of Seawater Using Fresnel Lens
2	7340	Ayush Raina, Harshal Panchal, Ayush Kakani, Pavan Nayar and Anesh Raina	Implementation of Industry 4.0 in Indian SME's: A Conceptual Model
3	7779	Swati Donde and Ram Subhash Maurya	Passive Cooling of Buildings- A Review of cooling Potential of an Earth Air Heat Exchanger in India
4	7811	Allen Pinto	Design and scrutinize a trellis frame using different materials
5	8160	Amit Patil, Vivek Sunnapwar, KiranBhole, Rohit Patel, Manas Bharambe and Sachin Shinde	Investigation of Open Pocket 3D Milling of Ti6Al4V by Grey Relational Approach



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Track: Mechanical Engineering

Session Schedule

- Session Number: **S12/5 – M6**
- Date: 22/12/22
- Time: **4:15 pm to 5:15 pm**
- Type of Session: **Online**
- Track: **Mechanical Engineering**
- Venue / Link: Room No. 237/249 / <https://meet.google.com/ejj-xufh-yws?authuser=0>

Sr. No.	Paper ID	Authors	Title
1	1837	Hemlata Karne, Aditi Gadre, Shreeja Gawande, Krutika Khetade, Pradnya Kolsundkar and Swarada Kulkarni	Artificial Flavours - A Review
2	1950	Shreyas Khare, Mangesh Panchal, Parth Khamkar and Kiran Bhole	Study of the Effect of Infill Patterns: Static Failure, Cost and Build Time Analysis
3	2514	Ajinkya Lale and Usha Pawar	Opportunities and challenges of Green manufacturing under Make in India PLI scheme
4	2692	Bhaveshkumar Pasi, Pallavi Dongare and Suman Joshi	A Cost-Effective Smart Inventory Retrieval System: A Framework
5	2776	Varsha Magar and Naveen Kumar Agrawal	Spring back Analysis in V Bending Process Of Sheet Metal Through Finite Element Method.



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Track: Mechanical Engineering			
Session Schedule			
➤ Session Number: S15/5 – M7			
➤ Date: 22/12/22			
➤ Time: 5:15pm to 6:15pm			
➤ Type of Session: Offline			
➤ Track: Mechanical Engineering			
➤ Venue / Link: Room No. 114			
Sr. No.	Paper ID	Authors	Title
1	9815	Shrikant Baste and Sudhakar Umale	Effect of Piston Geometry on Combustion Characteristics with and Without EGR when Fueled with Methyl Ester in VCR Engine
2	9573	Sachin Sawant, Yadnesh Chhatre, Aadesh Chawla and Vedant Chaware	Simulation Study, Synthesis and Testing of Cell-Phone Protection Cover
3	9543	Vivek Dahake and Usha Pawar	A systematic review on Industry 4.0 technologies in manufacturing area
4	9885	Shrikant Baste and Sudhakar Umale	Effects of Injection Pressure on Brake Thermal Efficiency and Specific Fuel Consumption when Fuel with Methyl Ester
5	9888	Avdhoot Lendhe and Nilesh Raykar	Machine Learning Based Prediction of Fatigue Crack Growth Rate in Carbon Steel



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Track: Mechanical Engineering			
Session Schedule			
➤ Session Number: S14/5 – M8			
➤ Date: 22/12/22			
➤ Time: 5:15 pm to 6:15 pm			
➤ Type of Session: Online			
➤ Track: Mechanical Engineering			
➤ Venue / Link: Room No. 237/249 / https://meet.google.com/ejj-xufh-yws?authuser=0			
Sr. No.	Paper ID	Authors	Title
1	3010	Suresh Jadhav, Sharad Valvi, Haseen Shaikh, Jayram Gholave, Kiran Bhole, Balwant Bhasme and Pirsab Attar	Design and Analysis of Thermal Magnetic Release for Moulded Case Circuit Breaker
2	3068	Usha Pawar, Pravinkumar Dahiwadkar, Kiran Bhole and Mansing Rathod	Numerical Simulation of Water Jet– Guided Laser Micro-Machining of Diamond
3	3186	Manav Mepani, Tanish Mishra, Kshitika Gala and Kiran Bhole	Generalized Design Procedure for a Cooking Robot Arm
4	3608	Prachi Sahu, Dhanashree Mehare, Isha Likhite, Vaibhav Ramesh, Harsh Habbu, Sagar Kadel and Sakshi Kolekar	Effective Utilisation of Simulation Tools in the design of an Unmanned Aerial Vehicle
5	9601	Nupur Avasare, Rutwik Bhangale, Sagar Patel and Vinit Joshi	Perception System in an Autonomous Vehicle: A comprehensive review



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Track: Mechanical Engineering Session Schedule

- Session Number: **S32/5 – M9**
- Date: 23/12/22
- Time: **10 am to 11 am**
- Type of Session: **Online**
- Track: **Mechanical Engineering (1)**
- Venue / Link: Room No. 237/249 / <https://meet.google.com/ejj-xufh-yws?authuser=0>

Sr. No.	Paper ID	Authors	Title
1	3937	Swati Shinde, Pradeep Jadhav and Pradip Shinde	Design of Various Rotor Geometries for Twin Lobe Blower Using Parametric Equations
2	4046	Abhijeet Digalwar and Sankalp Gawande	Modeling of Various Issues in Orange Supply Chain: An ISM Approach
3	4430	Anil Magare and Usha Pawar	Cloud ERP Adoption by SMEs: A Systematic Review
4	4814	Avdhoot Lendhe, Kiran Bhole, Nilesh Raykar and Bharatbhushan Kale	Machine Learning Approach to predict Viscous Fingering in Hele-Shaw cells
5	4851	Pranjal Jejurkar and Dr. Yogesh Gupta	A Survey on Optimizing Energy Distribution At Charging Stations For Public Transport-Electric Vehicles (EVs) For Navi Mumbai City, Maharashtra, India



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Track: Mechanical Engineering Session Schedule

- Session Number: **S33/5 – M10**
- Date: 23/12/22
- Time: **11.15 am to 12.15 pm**
- Type of Session: **Online**
- Track: **Mechanical Engineering (1)**
- Venue / Link: Room No. 237/249 / <https://meet.google.com/ejj-xufh-yws?authuser=0>

Sr. No.	Paper ID	Authors	Title
1	5984	Rupendra Nehete, Shivam Varade, Shubham Varade, Prayag Gorule and Aaris Saudagar	Floating Trash Collector 3D CADModel: Sustainable Solid Waste Management for Municipal Corporations
2	6306	Ruchita Shrimali, Naveen Kumar Agarwal and Kamal Kumar Agarwal	Impact of Insulated Roof on Energy Consumption under Variable Indian Climatic Conditions: An Approach Toward Sustainable Buildings
3	6461	Ranjit Patil, Santosh Rane and Samir Kumbhar	The transient vibration analysis of Shape Memory Alloy (SMA) reinforced composite
4	6511	Kailash Bhosale	Material Flow Optimisation for Multistage, Multiproduct Parallel Lines by Real Coded Genetic Algorithm (RCGA)
5	6742	Yash Kulkarni, Vinayak Chougule, Ankur Harge, Shantanu Kumbhar, Prachi Gadekar and Sagar Kadam	Battery Pack Design and Thermal Management System for Formula Student Electric Race Car



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Track: Mechanical Engineering Session Schedule

- Session Number: **S34/6 – M11**
- Date: 23/12/22
- Time: **12.15 pm to 1.15 pm**
- Type of Session: **Online**
- Track: **Mechanical Engineering (1)**
- Venue / Link: Room No. 237/249 / <https://meet.google.com/ejj-xufh-yws?authuser=0>

Sr. No.	Paper ID	Authors	Title
1	7063	Devarpan Chakraborty, Ashish Pawar and Dr. Dinesh Kamble	Performance Evaluation of Electrolytes used in Electro Chemical Machining of titanium block using COMSOL Tool
2	7196	Megha Nagrale, Suhail Niyaz Sayed and Amit Nirmal	Comparison of Time Required for Solar PV Plant Cleaning with Robotic and Manual Technique
3	7221	Nayan Gadhari, Suyog Patil, Sharad Upadhyay, Viswanath Patil, Kiran Bhole, Suresh Jadhav and Jayram Gholave	Development and Validation of A Stability-Indicating Hplc-Uv Method For The Simultaneous Determination Of Erythromycin And Its Related Impurities in Bulk Drug Formulations
4	7329	Ajinkya Patil, S.V. Chaitanya and Sharad Patil	A Review on Recent Trends and Techniques in Heat and Mass Transfer of Metal Hydride Hydrogen Storage Reactor
5	7772	Vishal Kurle, Dattatray Jadhav and Nilesh Raykar	Tessellation and CFD Analysis of Radome
6	6135	Suresh Jadhav, Sharad Valvi, Haseen Shaikh, Jayram Gholave and Kiran Bhole	Analysis of Connecting rod using FEA.

