

**2nd International Conference (Digital)**  
**On**  
**Research and Innovations in Science, Engineering & Technology (ICRISET -2020)**  
04-05 September 2020  
Organized by  
**Birla Vishvakarma Mahavidyalaya**  
**(Engineering College)**  
(An Autonomous Institution)  
Managed by Charutar Vidya Mandal  
Vallabh Vidyanagar, Anand, Gujarat, India-388120  
**Mechanical / Production Track Schedule - Day 2**

Theme	Sub-Theme	Google Meet Link	Session ID	Session Date /Day /Time	Paper ID	Title	Authors
ME & PE Track	Design and Manufacturing	<a href="https://meet.google.com/ydc-vukf-urc">https://meet.google.com/ydc-vukf-urc</a>	MEPE05_VR1	05th September, 2020 Saturday 10:30 am to 12:30 pm	28	Parametric Optimization of Tensile strength and flexural strength in 3-D Printed components	Aryan J. Naik, Harshil V. Bhuva , Devdeepsinh D. Rana, Janmesh B. Panchal, Vaishal J. Banker , Sankalp B. Batia
					95	Investigation of Dimensional Errors on Lathe: A Review	Kunal Sojitra
					108	Development Of Material Management in Store Department of a Dairy Industry: A Case Study	Nikhil Modi, Purvi Chauhan, Ketan Kushwah and Jayesh Chaudhary
					117	implementation of lean manufacturing in casting industry.	Mr. Shubham Kotadiya, Mr. Manthan Vaishnav, Mr. Yash Patel and Prof. P. D. Chauhan
					140	Modeling, Simulation and Development of a 3 DOF SCARA Type Robot for Food Serving Purpose	Pratik C Sorathiya, Vinod N Patel and Mukesh M Bhesaniya

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ME & PE Track	Thermal	<a href="https://meet.google.com/hyb-zaen-nfs">https://meet.google.com/hyb-zaen-nfs</a>	MEPE05_VR2	05th September, 2020 Saturday 10:30 am to 12:30 pm	222	EXPERIMENTAL INVESTIGATION OF FORCED CONVECTION SOLAR DRYER WITH PHASE CHANGE MATERIAL (PCM)	Rushikesh Raval, Prof. Dr. Jayantilal Hadiya and Prof. Bharat Patel
					30	Comparative Study of Performance of Hydrodynamic Journal Bearing with a Bio-Lubricant and ISO VG 100	Mansi B. Patel, Dr.H.P.Patolia, Dr.K.B.Brahmbhatt
					12	Effect of Air mass Flow Rate on Performance of Forced Convection Solar Dryer (WITH RECTANGULAR PIPES TYPE ABSORBER)	Rushikesh M. Raval, Dr. J.P. Hadiya, Prof. B.S. Patel
					51	Transient Thermal Analysis of Brake Disc	Ankit Bhardwaj, Janisar Akhtar and Shefali Trivedi
					59	PERFORMANCE ANALYSIS OF LEMONGRASS OIL AS BIOFUEL IN DIESEL ENGINES	Nikhil Mehra, Kirti Sharma, Prashant Chanyal and Shagun Singh
					69	Air Properties by Theoretical Investigation on Heated Vertical Channel Without Any External Source Without Provision of Rings Inside	Ramesh Chandra Nayak, Manmatha K. Roul, Abinash Sahoo and Abhisek Sarangi
					78	Review on The Overall Development Of Jaggery Plant To Enhance Thermal Efficiency	Abhijeet Kore and Sanjay Lakade

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ME & PE Track	Design and Manufacturing	<a href="https://meet.google.com/knk-tcfq-ojk">https://meet.google.com/knk-tcfq-ojk</a>	MEPE05_VR3	05th September, 2020 Friday 12:30 pm to 2:30 pm	203	Multi objective optimization in drilling of glass fiber/EPE foam sandwich composite based on grey relational analysis	Hariketan Patel, Jigneshkumar Patel, Bharat Gajera and Hiteshkumar Rana
					179	Fabrication and Characterization of SiCp and S-Glass Fiber Reinforced AZ91D Magnesium Matrix Composite by Stir Casting Method	Pawan Rangdal, Dr. Sharanabasappa B Patil and Sanjana S Ukamandal
					212	Experimental Validation Of Cutting Forces In End Milling Using Finite Element Method	Praveen Mahadule and A S Rao
					216	Effect of flux cored Arc welding on Microstructure and heat affected zone on Mild steel coupon	Vivek Patil, Shivam Thacker, Vina Chauhan and Kalpesh Patel
					217	Discharge Characteristics of Bucket Elevator under varying Parameters	Subham Giri, Jatan Rana, Mukesh Bulsara and Hemal Patel
					223	Automation of iterative analyses using journaling method in ANSYS Workbench	Shubham Chaudhari and A. S. Rao

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ME & PE Track	Thermal	<a href="https://meet.google.com/eia-jnsi-ngu">https://meet.google.com/eia-jnsi-ngu</a>	MEPE05_VR4	05th September, 2020 Saturday 12:30 pm to 2:30 pm	294	Power Generation by Trilateral Flash Cycle using Waste Low Grade Heat Energy: A Review Study	Simit Prajapati and Mitesh Shah
					341	Effect of various parameters on the performance of Helical coil Heat Exchanger- a Numerical investigation	Balwant Bhasme, Makrand Patil
					345	Effect of the combination of different perforations on the heat transfer in the perforated fins	A K Taxak and Sanjeev Kumar
					405	Bio-lubricants prepared from plant based oils	Harsh Patel, Dr. Rohit Lade, Dr. Vishal Sandhwar and Dr. Shivendu Saxena
					418	Design of Proposed Hybrid Solar Windmill	Smita Joshi, Viraj Raj and Aakash Bhoi
					420	Response Surface Method application to investigate performance parameter of C.I engine fuelled with biodiesel blend	Monika Vyas, V.D. Sonara, G.N. Sutaria and B.H. Kadiya
					11	Efficient Desalination by Layered heating of Saline Water	Ronak H. Virani, B. S. Patel, H. G. Katariya
					433	Biogas up-gradation by using packed bed water scrubber	H. G. Katariya and H. P. Patolia