

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 1

Theme	Sub-Theme	Google Meet Link	Session ID	Session Date /Day /Time	Paper ID	Title	Authors
ME & PE Track	Design	https://meet.google.com/wzk-auwe-exm	MEPE04_VR1	04th September, 2020 Friday 12:30 pm to 2:30 pm			
					76	Design and comparison of mixed mode Solar Dryer with and without using Phase Change Material	Anjali Nair, Dr. Subarna Maiti and Mr Avdhoot Jejurkar
					373	Experimental Vibration Analysis Of Goat Femur Bones	Amar Wargante and Dr. Hemant Warhatkar
					163	A Review of fatigue life assessment methods for load-carrying cruciform welded joints	Patel Ashvinkumar D. and Shah Pratik H.
					226	To Design an Artificial Intelligence Based Solar Panel Cleaning System	Hussain Badri, Harsh Vaidya, Kishan Solanki, Abhay Tripathi and Mrs. Kinjal Patel
					230	Design and Analysis of Keyless Power Transmission by Locking Assembly	Jaimish Rank
					284	Effect of Fiber Orientation Angle on Performance of Composite Patch Repair	Dr Alpesh H Makwana and Dr A A Shaikh

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ME & PE Track	Design	https://meet.google.com/ruw-kcka-tor	MEPE04_VR2	04th September, 2020 Friday 12:30 pm to 2:30 pm	337	Study of Effects of Radial Load on Vibration of Bearing using Time-Domain Statistical Parameters	Prashant Jain and Santosh Bhosle
					363	Estimation of Static Deflection in Beam with Crack Using FEA	Sunil R Pansare, Hemant N Warhatkar and Sachin S Naik
					118	Application of response surface methodology (RSM) to evaluates the performance of controlling parameters for worm gearbox under no-load condition	Hardik Chothani and Kalpesh Maniya
					411	Design of Automatic Solar Panel Cleaning Mechanism	Smit Gajjar, Karan Makwana, Jay Patel and Prof. Dhara Trivedi
					424	Analysis of Static Performance Characteristics of Hydrodynamic Journal bearing operating on Nanolubricants	Tushar Gundarneeya and Dipak Vakharia
					430	Design and FEA analysis of jacketed type pressure vessel	Lay Patel, Yashvant Patel
					432	PERFORMANCE ENHANCEMENT OF STEAM	Prof. Vijaypratap Singh , Prof. Chintan

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ME & PE Track	Design and Manufacturing + Thermal	https://meet.google.com/zwi-mdou-pqe	MEPE04_VR3	04th September, 2020 Saturday 12:30 pm to 2:30 pm	348	The Effects of Alloying Elements on the Wear Characteristics of Highly Corrosion Resistant Aluminium-bronze Alloys: A Review	Pratiksha Chakravarti , Abhishek Kuma
					349	A Comparative Evaluation of Process Parameter Optimization of Wire Cut Electric Discharge Machining of Ti-6Al-4V Using WASPAS and Metaheuristic Methods	Jim Johnson Tudu, Dr. Surya Narayan Panda and Dr. Prakash Kumar
					386	Understanding the Corrosion Behavior of Aluminium and Its Alloys for Marine Applications: A Review	Abhishek Kumar
					434	Comparative study of shell and tube type latent heat energy storage unit	Dr. Jayantilal P Hadiya and Dr. Ajit Kumar N Shukla
					82	Thermo-physical properties of Oxide Nanofluids – A Review	ishal Bhimani and Dilipkumar Patel
					46	Turning hazard to reward	Bhawana Upadhyay, P.C Tewari
					156	Selection of CNC Turning Carbide Tools by Expert Systems	Ruchir Desai, Vaishal Banker

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ME & PE Track	Thermal	https://meet.google.com/hnp-ktam-aka	MEPE04_VR4	04th September, 2020 Saturday 12:30 pm to 2:30 pm	205	Parametric Optimisation & Design of Pelton Turbine Wheel for Hydraulic Efficiency Improvement	Hiren Shah, Gaurang Kumar Chaudhari and Vijay Dhiman
					214	Effect of various fin geometries on heat dissipation of traction motors used in Electric vehicles	Suhas Kadam and Sudhakar Umale
					2	Enhancement of Bio Gas Yield By Optimizing Key Factors: A Review	Sitansh Kumar, Dhirajlal Golwala
					239	Performance improvement of the high-frequency regenerator for miniature pulse tube cryocooler	Chetan Yadav and Dr. P V Ramana
					255	Experimental analysis of thermal management of lithium-ion battery by using heat pipe	Pranav Kumar Patel and Jignesh Patel
					256	Experimental Evaluation of Solar Water Heater Using Solar Reflector with Secondary Booster	Mitesh Dhodiya and Jignesh Patel
					282	Process Optimization of Biodiesel Production from Jatropa Oil Using Response Surface Methodology and It's Characterization	Parvesh Kumar and Sidharth Bansal

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ME & PE Track	Design and Manufacturing	https://meet.google.com/atw-zdhy-xmk	MEPE04_VR5	04th September, 2020 Friday 3:00 pm to 5:00 pm	159	Value Analysis of Double Girder EOT Crane	Manisha Makwana and Mehul Patel
					169	A Review on Abrasive Water Jet Machining (AWJM) of Aluminium Matrix Composites (AMCs)	Parth H. Panchal , Dr. Jitendra M. Mistry , Vaishal J. Banker , Dhaval R. Joshi , Bhargav H. Upadhyay
					206	Effect of submerged arc welding process parameters on ASME SA 515 Gr 70	Hardik Patel, Vina Chauhan and P M George
					183	Improvement in sealing and cutting mechanism of low density polyethylene bags for dry ice	Vandit Shah, Jaymin Makwana and Prakash Tadvi
					189	Ultrasonic joining of phosphor bronze sheets: A futuristic joining method	Bharat Sanga, Reeta Wattal and D S Nagesh
					194	Fixture development for door manufacturing in water heater and Lean production in small scale industries	Rakesh Kumar S Barot

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ME & PE Track	Design and Manufacturing	https://meet.google.com/cug-fnih-qvb	MEPE04_VR6	04th September, 2020 Friday 3:00 pm to 5:00 pm	249	Effect of MnO2 Addition in LM6 and LM 25 Aluminum alloy System	agdish Pampnia, Vandana Rao and Bhavesh Mewada
					261	A Review On: Third Generation Advanced High - Strength Steels Emerges	Swetapadma Mishra and Dr. Renu Prava Dalai
					280	Prediction of Surface Roughness in Machining of Titanium Alloy (Ti6Al4V) using Artificial Neural Networks	Ayanesh Y. Joshi , Sankalp B. Bhatia , Vaishal J. Banker
					295	IoT Enabled Flow Measurement in Treadle Pump	Ravi Verma and Mohan Lal Aggarwal
					310	OPTIMIZATION OF A PLANT LAYOUT FOR THE FORKLIFT MOVEMENT FOR A COFFEE PLANT	Bindhu A S, Manjunatha B and Neetha K
					344	Design A Mechanism To Improve The Efficiency Of Drilling Operatin In Plano Milling Head	Ujjval Shah, Bansil Ghodasara and Darpan Sachapara

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ME & PE Track	Design and Manufacturing	https://meet.google.com/nmu-dinz-xck	MEPE04_VR7	04th September, 2020 Friday 3:00 pm to 5:00 pm	112	Proposed Design of Automatic Conveyor Based System for Filled Milk Pouches in Dairy Industry: A Case study	Bansikumar Ganatra, Purvi Chauhan, Tarun Nagar and Saurabh Shah
					146	Study the Effect of Variation in Pitch Distance on the Strength of Resistance Spot-Welded joint of Al 6082-T651	Anand Kumar Mandal
					197	Influence of Tool Shape, Step Size and Spindle Speed on Surface Roughness and Sheet Thickness Distribution in Incremental Sheet Forming with Asymmetric Shape	Hardik Dodiya, Devang Patel, Abhi Shah and Akash Pandey
					228	Experimental investigation on drilling process of AA 7075-SiC/Gr composites	Patel Priyal Ramanbhai, Tejas Ghotikar, Jitendra Mistry, Mihir Rana and Viralkumar Parekh
					229	OVERVIEW OF CONVEYOR BASED SYSTEM FOR ARRANGEMENT OF MILK POUCHES.	Bansikumar Ganatr, Purvi Chauhan, Tarun Nagar and Saurabh Shah