

S.No.	Name of Applicant	Name of Department	Category of Applicant	Title of Paper	Category of Award	price money/certificate	Total money	allocated money	principle author	co author 1	Co author 2
1	Sachin Rana	Mechanical Engineering	Student	Enhancement of thermal energy storage in a phase change material heat exchanger having elliptical and circular tubes with & without fins	C	price money for Dr. Rajesh kumar and all	50000	50000	16666.6667 for sachin rana	16666.667 for Dr muhammad zunaid	16666.6667 for Dr rajesh kumar
2	PREM SHANKER YADAV	Mechanical Engineering	Student	Numerical and experimental analysis on spray characteristics of biodiesel (waste cooking oil) using pressure swirl atomizer	C	price money for raghvendra gautam and prem shankar yadav	50000	50000	25000 for Dr raghvendra gautam	25000 for Prem shakar yadav	
3	Dr. Raghvendra gautam	Mechanical Engineering	Faculty	Influence of variation of injection angle on the combustion, performance and emissions characteristics of Jatropa Ethyl Ester	C	pricemoney for Raghvendra gautam	50000	16666.6666	16666.6666 for Dr raghvendra gautam		
4	Prof. Qasim Murtaza	Mechanical Engineering	Faculty	Techno-economic feasibility of hydrogen based electric vehicle charging station: A case study	C	price money for Prof Qasim Murtaza and all	50000	50000	12500 for Prof qasim murtaza	12500 for arsalan syed mohammad	12500 for anuj

5	RAJESH KUMAR	Mechanical Engineering	Faculty	Thermodynamic and Comparative Analysis of Ejector Refrigeration Cycle and Absorption Refrigeration Cycle Integrated Wet Ethanol-Fueled HCCI Engine for Cogeneration of Power and Cooling	B	price money for rajesh kumar and all	100000	66666.6667	33333.3334 for mohd Asjad siddqui	33333.3334 for rajesh kumar	
6	RAJESH KUMAR	Mechanical Engineering	Faculty	Energy, Exergy, Environmental and Economic Analyses of Natural Refrigerants for Cascade Refrigeration	C	price money for all	50000	50000	25000 for rajेश kumar	25000 for kaushalendra singh	
7	FAIZAN KHALID	Mechanical Engineering	Student	Development and assessment of a new solar-based trigeneration system using hydrogen for vehicular application in a self-sustained community	C	price money for all	50000	50000	25000 for gaizan khalid	25000 for rajesh kumar	
8	Hussam Sadique	Mechanical Engineering	Student	Heat transfer augmentation in microchannel heat sink using secondary flows: A review	C	price money for Prof qasim mutaza and all	50000	50000	16666.6667 for hussam sadique	16666.6667 for prof qasim murtaza	16666.6667 for samsher
9	Naman Goyal	Mechanical Engineering	Student	Financial feasibility of concentrated solar power with and without sensible heat storage in hot and dry Indian climate	C	price money for naman goyal, akansha aggarwal and certificate for anil kumar	50000	50000	16666.6667 for naman goyal	16666.6667 for akansha aggarwal	certificate for anil kumar

10	Naman Goyal	Mechanical Engineering	Student	Concentrated Solar Power Plants: A Critical Review of Regional Dynamics and Operational Parameters.	C	price money for Naman goyal, akasnha aggarwal and certificate for anil kumar	50000	50000	16666.6667 for naman goyal	16666.6667 for akansha aggarwal	certifictae or anil kumar
11	Ashok Kumar Singh	Mechanical Engineering	Student	Optimum Techno-Eco Performance Requisites for Vacuum Annulus Tube Collector Assisted Double Slope Solar Desaltification Unit Integrated Modified Parabolic Concentrator	C	price money for Ashok kumar singh and Dr samsher	50000	50000	25000 for ashok kumar singh	25000 for Dr samsher	
12	Ashok Kumar Singh	Mechanical Engineering	Student	Techno-Environ-Economic-Energy-Exergy-Matrices Performance Analysis of Evacuated Annulus Tube with Modified Parabolic Concentrator Assisted Single Slope Solar Desalination System	C	price money for Ashok kumar singh and Dr samsher	50000	50000	25000 for ashok kumar singh	25000 for Dr samsher	
13	Ashok Kumar Singh	Mechanical Engineering	Student	Eco-Design Requisites for Solar Desaltification Still Augmented Evacuated Annular Tube Collectors with Parabolic Concentrator: An Optimum-Environ-Economic Viability	C	price money for Ashok kumar singh and Dr samsher	50000	50000	25000 for ashok kumar singh	25000 for Dr samsher	
14	RASHI KOUL	Mechanical Engineering	Student	Comparative analysis of ternary blends of renewable Diesel, diesel and ethanol with diesel	C	price money for all	50000	50000	16666.6667 for rashi shoul	16666.6667 for prof naveen kumar	16666.6667 for Prof R C singh

15	RASHI KOUL	Mechanical Engineering	Student	Comparative analysis of renewable diesel and biodiesel produced from Jatropa oil	C	price money for all	50000	50000	16666.6667 for rashi shoul	16666.6667 for prof naveen kumar	16666.6667 for Prof R C singh
16	Dr. Pravin Kumar	Mechanical Engineering	Faculty	Application of Industry 4.0 technologies for effective coordination in humanitarian supply chains: a strategic approach	C	price money for pravin kumar	50000	50000	50000 for Dr praveem kumar		
17	Dr. Pravin Kumar	Mechanical Engineering	Faculty	Strategic framework for developing resilience in Agri-Food Supply Chains during COVID 19 pandemic	C	price money for pravin kumar	50000	50000	50000 for Dr praveem kumar		
18	KIRAT SINGH	Mechanical Engineering	Student	Study of combustion, performance and emissions characteristics of oxygenated constituents and methanol fumigation in the inlet manifold of a diesel engine	C	price money for prof naveen kumar	50000	50000	25000 for kirat singh	25000 for prof naveen kumar	
19	Abhishek Sahu	Mechanical Engineering	Student	Integrating Industry 4.0 and circular economy: a review	C	price money for abhishek sahu, saurabh aggarwal and certificate for girish kumar	50000	50000	16666.6666 for abhishek sahu	16666.6667 for saurabh aggarwal	certificate for girish kumar

20	Bharat Sanga	Mechanical Engineering	Student	Weld joint characterization in ultrasonic welding of phosphor bronze sheets	C	price money for all	50000	50000	16666.6666 for bharat sanga	16666.6667 for reeta wattal	certificate for D S nagesh
21	KHUSHBU YADAV	Mechanical Engineering	Student	Effect of synthetic and aromatic amine antioxidants on oxidation stability, performance, and emission analysis of waste cooking oil biodiesel	C	price money for all	50000	50000	16666.6666 for khusbu yadav	16666.6666 for Prof naveen kumar	16666.6666 for prof rajiv chaudhary
22	Mohmad Iqbal	Mechanical Engineering	Student	CNC Machine-Bearing Fault Detection Based on Convolutional Neural Network Using Vibration and Acoustic Signal	C	price money for all	50000	50000	25000 for mohammad iqbal	25000 for prof A K madaan	
23	Mohmad Iqbal	Mechanical Engineering	Student	CNC Machine-Bearing Fault Detection Based on Convolutional Neural Network Using Vibration and Acoustic Signal	C						
24	Dr. Ravi Butola	Mechanical Engineering	Faculty	Fabrication and Characterization of AA6063/B4C Metal Matrix Surface Nanocomposite Using Friction Stir Processing	C	price money for all	50000	50000	31250 for Dr ravi butola	6250 for chandra pratap	6250 for anurag shukla

25	Dr. Ravi Butola	Mechanical Engineering	Faculty	Review—Parametric Study and Various Strategies of Aluminium Metal Matrix Composites Fabricated by Friction Stir Processing	C	price money for Dr ravi butola and priyansh singh	50000	50000	37500 for Dr ravi Butola	12500 for priyansh singh	
26	Deepak Kumar	Mechanical Engineering	Student	Comparative investigation on thermally sprayed Al ₂ O ₃ , Al ₂ O ₃ –13%(TiO ₂) and Al ₂ O ₃ –40%(TiO ₂) composite coatings from room to 400 °C temperature	C	price money for all	50000	37500	12500 fordeepak kumar	12500 for pushpendr a singh	12500 for prof qasim murtaza
27	Anand Kushwah	Mechanical Engineering	Student	Performance Analysis of Heat Exchanger-Evacuated Tube Assisted Drying System (HE-ETADS) Under Unload Condition	C	price money for anand kushwaha and certificatef or Dr anil kumar	50000	37500	25000 for anand kushwaha	certificate for Dr anil kumar	6250 for amit pal
28	Anand Kushwah	Mechanical Engineering	Student	Drying kinetics, performance, and quality assessment for banana slices using heat pump–assisted drying system (HPADS)	C	price money for Anand kushwaha and certificate for anil kumar	50000	33333.3333	41666.6663 for anand kushwaha	certificate for Dr anil kumar	

29	NARENDER KUMAR	Mechanical Engineering	Student	Analysis of barriers intensity for investment in big data analytics for sustainable manufacturing operations in post-COVID-19 pandemic era	C	price money for narendra kumar and certificate for Dr girish kumar	50000	33333.3333	16666.6667 for narendra kumar	certificate for Dr girish kumar	
30	RAVINDRA KUMAR	Mechanical Engineering	Student	Overview of hydrogen production from biogas reforming: Technological advancement	C	price money for Ravindra kumar and Dr amit pal and certificate for anil kumar	50000	16666.6666 for ravindra kumar	16666.6666 for amit pal	certifictae for Anil kumar	
31	RAVI KANT	Mechanical Engineering	Student	Review on essential oil extraction from aromatic and medicinal plants: Techniques, Performance and economic analysis	C	pric money for ravi kant and certificate for anil kumar	50000	50000	37500 for ravi kant	certifictae for anil kumar	
32	Shrikant Vidya	Mechanical Engineering	Student	Experimental Investigation on Machinability and Geometric Tolerance in Die-Sinking EDM of Microholes and Channels	C	price money for all	50000	25000	12500 for Shrikant vidya	12500 for Dr reeta wattal	
33	Dr Anil Kumar	Mechanical Engineering	Faculty	Review on fabrication methodologies and its impacts on performance of dye-sensitized solar cells	C	price money for Dr anil kumar	50000	16666.6666	16666.6666 for Dr anil kumar		

39	Dr. Sanjay Kumar	Mechanical Engineering	Faculty	Experimental study of dynamic fracture behaviour of Al7075-T651 under different loading rates.	C	price money for all	50000	16666.6667	16666.667 for Dr sanjay kumar		
40	Dr N YUVARAJ	Mechanical Engineering	Faculty	Enhancement of Microstructural and Mechanical Properties of Ultrasonic Vibration-Assisted Cold Metal Transfer Welding of 304 Stainless Steel	C	price money for Dr N yuvraj and all	50000	50000	16666.6666 for Dr N yuvraj	16666.6666 for Jayant ghosh roy	16666.6666 for Vipin
41	Sumit Jain	Mechanical Engineering	Student	Microstructural and mechanical behavior of micro-sized SiC particles reinforced friction stir processed/welded AA7075 and AA6061	C	price money for all	50000	50000	37500 for Sumit jain	12500 for Prof R S mihsra	
42	Preety Rani	Mechanical Engineering	Student	Influence of Nano-Sized Al ₂ O ₃ Nanoparticles and Multipass FSW on Microstructure and Mechanical Characteristics of Dissimilar Welded Joints of AA6061 and AA5083	C	price money for all	50000	50000	37500 for Preety rani	12500 for Prof R S mihsra	
43	Preety Rani	Mechanical Engineering	Student	Influence of Reinforcement with Multi-Pass FSW on the Mechanical and Microstructural Behavior of Dissimilar Weld Joint of AA5083 and AA6061	C	price money for preeti rani and certificate for Prof R S mishra	50000	50000	37500 for Preety rani	12500 for Prof R S mihsra	

44	Dr Husain Mehdi	Mechanical Engineering	Student	Mechanical Properties and Microstructure Evolution Of AA6082/Sic Nanocomposite Processed by Multi-Pass FSP	C	price money for Dr hussain mehndi, neeraj kant and certificate for Prof R S mishra	50000	25000	16666.6666 for Dr hussain Mehndi	certificate for Prof R S mishra	4166.667 for neeraj kant
45	Ashish Kumar	Mechanical Engineering	Student	Investigation of Nano-Al2O3 and Micro-coconut Shell Ash (CSA) Reinforced AA7075 Hybrid Metal–Matrix Composite Using Two-Stage Stir Casting	C	price money for all	50000	50000	20000 for Ashish kumar	15000 for Dr R C singh	15000 for Dr rajiv chaudhar
46	GIRISH KUMAR	Mechanical Engineering	Faculty	Investigation and analysis of implementation challenges for autonomous vehicles in developing countries using hybrid structural modeling	C	price money for Dr girish kumar and all	50000	30000	10000 for girish kumar	10000 for krishna chaudhary	10000 for rishi sahai
47	GIRISH KUMAR	Mechanical Engineering	Faculty	Analysis of human resource management challenges in implementation of industry 4.0 in Indian automobile industry	C	price money for Dr girish kumar and all	50000	33333.33333	8333.33333 for girish kumar	8333.33333 for pushpal tayal	8333.3333 for ashwin chahan
48	GIRISH KUMAR	Mechanical Engineering	Faculty	Identification and evaluation of barriers in implementation of electric mobility in India	C	price money for Dr girish kumar and all	50000	33333.33333	8333.33333 for girish kumar	8333.33333 for aman pundhir	8333.3333 for saurabh tiwari

49	GIRISH KUMAR	Mechanical Engineering	Faculty	Obstacle avoidance for a swarm of unmanned aerial vehicles operating on particle swarm optimization: a swarm intelligence approach for search and rescue missions	C							certificate for Dr girish kumar				
50	Uma Gautam	Mechanical Engineering	Student	Effect of Process Parameter on Tensile Strength and Hardness of SS304 Processed by Microwave Radiation	C							price money for all	50000	50000	25000 for uma gautma	25000 for Vipin
51	Niranjan Sahoo	Mechanical Engineering	Student	Review on energy conservation and emission reduction approaches for cement industry	C							price money for Niranjan sahuo and certificate for Anil kumar	50000	50000	25000 for niranjan sahuo	certificate for Dr anil kumar
52	Sanjeev kumar	Mechanical Engineering	student	Multi-objective-parametric optimization of diesel engine powered with fuel additive 2-ethylhexyl nitrate-algal biodiesel	C							price money for all	50000	50000	37500 for sanjeev kumar	12500 for Dr amit pal
53	Piu Jain	Mechanical Engineering	Student	Implementation of mass customization for competitive advantage in Indian industries: an empirical investigation	C							price money for all	50000	50000	25000 for piu jain	25000 for gayatri kansal