



ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

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Details of Student Publications for Academic Year 2022-2023
Department of Mechanical Engineering

S.No	Title of Paper	Journal name	Journal type	Student Name	Guide name	Page Numbers	Volume	Issue	Published date	Journal Link 1	Journal Link 2
1	Studies on the Effect of Pine Oil as an Emulsifier on Gasoline- Alcohol Blends in Multipoint Fuel Injection S I Engine: A Review	International Journal of Enhanced Research in Science	UGC	1) K George Melangton 2) B Satish 3) M Sanya Sai Kumar 4) B Ashok 5) S Sanya Manikanta	Dr. K Siva Sanya Mohan	22-30	12	3	Mar-23		
2	Design, Analysis and Fabrication of Portable Pneumatic Vice	Junkhyat	UGC Care Group I	1) A Prakash 2) N Naga Suresh 3) T M N V Brahmaraj 4) Y Mahesh Babu 5) K Sangeev reddy	Mr. P V S Murali Krishna	-	13	1	Apr-23	https://junkhyajournal.org/pdf/DESIGN.pdf	
3	Fabrication and Testing of Mechanically Operated Floor Cleaning Machine	International Journal of Enhanced Research in Science	UGC	1) Nakka Siva Manikanta 2) Yandapalli Mani Kumar 3) Siva Giri Narasimha 4) Senapathi Chandu 5) Gandetti Veerabau	Dr. P Gangadhara rao	110-115	12	4	Apr-23		
4	Performance Study on Hexagonal Solar Still Using Wick materials	International Journal of Enhanced Research in Science	UGC	1) B AmaraSiva, 2) Sakib Ali, 3) Mothukuri Srihari, 4) Thirumalasetti Siva Durga chalapathi,	Mr. Pavan Kumar Chintalapati	116-120	12	4	Apr-23		
5	IoT Based Gas Leakage Detector	International Journal of Enhanced Research in Science	UGC	1) Jyothula Rajesh 2) Magapati Suresh 3) Ganiseti Anil Kumar 4) Kanuri Ateyula Lakshmi mohith 5) Kurra Vinay Kumar	Ms. A Swathi	121-133	12	4	Apr-23		
6	Design and Analysis of Thermo Electric Refrigerator Using Peltier Effect	International Journal of Enhanced Research in Science	UGC	1) B N V V Mani 2) Ch Naveen 3) K Bhannu Prakash 4) P Sai Kumar 5) B Sai Soma Sekhar	Dr. K Siva Sanya Mohan	134-140	12	4	Apr-23		
7	Study of vortex Tube Using Ausys Fluent for Variable Inlet Nozzle Lengths and Variable Blunt Type Control Valve	International Journal of Enhanced Research in Science	UGC	1) Madasu Vinay kumar 2) Vatsavayi Kishore Varma 3) Danduboina Abhaya Venkatesh	Mr. Pavan Kumar Chintalapati	141-150	12	4	Apr-23	https://erpublications.com/uploaded_files/download/madasu-vinay-k-vatsavayi-kishore-v-danduboina-abhaya-v-pavan-kumar-c-ikwpm.pdf	
8	A Case Study of Vortex Tube under Different Cold Mass Fractions	International Journal of Enhanced Research in Science	UGC	1) Beesetti Janaki Lakshmana Rao 2) Maddula Krishna Sai Lakshman 3) Kandikala Chaitanya Raju	Mr. Pavan Kumar Chintalapati	151-161	12	4	Apr-23	https://www.erpublications.com/uploaded_files/download/pavan-kumar-c-beesetti-janaki-l-maddula-krishna-sai-l-kandikala-c-r-smrGV.pdf	https://junkhyajournal.org/current.php
9	Design & Fabrication of Foldable E-Bicycle	International Journal of Enhanced Research in Science	UGC	1) Penke Devi Prasad 2) Sakamuri Naga Prasad 3) SK. Jafeer Ahmed 4) G Sanya Chandra Naga Sai Ram 5) B Kartheek, Damodhar Rao	Mr. M Rambabu	162-172	12	4	Apr-23		

10	Design Modification and Simulation of Thermo-Acoustic Refrigerator	International Journal of Enhanced Research in Science	UGC	1) S Sandeep Lakshman Kumar 2) B Vijay Kanth 3) A Mahesh 4) V Suneel 5) B Srinu	Mr. A Arif	173-189	12	4	Apr-23	https://www.erpublications.com/uploaded_files/download/s-sandeep-lakshman-k-b-vijay-k-a-arif-a-mahesh-v-suneel-b-srinu-vrHbs.pdf	
11	3D Prototype of a Low Cost Spherical Parallel Manipulator	International Journal of Enhanced Research in Science	UGC	1) S ravi Chandra 2) P Vasu Deva 3) T V V Sai Krishna 4) B Uday Kiran 5) Ch Tarun Chakravarthy	Mr. A Chiranjeevi V S Prasad	190-202	12	4	Apr-23		
12	Fabrication of Automatic Tire Pressure Inflation System	International Journal of Enhanced Research in Science	UGC	1) Pindiprolu Surya Ganesh 2) Yeluri Raghu Naveen Kumar 3) Gude Devendra Kumar 4) Manidi P D S R Ch sagar Prabh 5) Dewarshi Kalita	Dr.P Gangadhara Rao	204-211	12	4	Apr-23	https://www.erpublications.com/uploaded_files/download/pindiprolu-s-g-yeluri-r-n-k-gude-d-k-p-gangadhara-r-manidi-p-d-s-r-ch-s-p-dewarshi-k-XZuDu.pdf	
13	Design and Structural Analysis of Wind Turbine Blade by Using Different Materials	International Journal of Enhanced Research in Science	UGC	1) V Har Kumar 2) U Vinesh 3) N Naga Bala Hari 4) P Avinash 5) R Naveen Kumar	Mr. Rannala Prasad	226-232	12	4	Apr-23		
14	The Effect of Pine Oil As an Emulsifier on Gasoline-Alcohol Blends in Multipoint Fuel Injection System	International Journal of Enhanced Research in Science	UGC	1) K George Melangton 2) B Satish 3) M Saiya Sai Kumar 4) B Ashok 5) S Surya Manikanta	Dr. K Siva Saiya Mohan	36-47	12	4	Apr-23		
15	Shock Absorber Based Power Generation System	The International Journal of Analytical and Experimental Modal Analysis	UGC	1) Veju Kamaka Nagerudra Venkata Sai 2) Klari Pavan Kumar 3) Katchalla Govindha 4) Jakkai Surya Siva Kumar 5) Shak Meera Subhan	Mr. Ch ram Prasad	690-698	15	4	Apr-23		
16	Solar Operated Automatic Hammering Machine	International Journal of Enhanced Research in Science	UGC	2) A Rana Durga Mallesh 3) Pampana Naveen Kumar 4) Kalla Una Mallesh 5) Sunkara Dora Babu	Mr. G V S Srinivas	71-82	12	4	Apr-23		
17	Performance and Emission Control Testing of the Fuel - Alcohol- Additive Mixture Using in Spark Ignition Engines	Dogo Rangang Research Journal	UGC Care Group I	1) Muga Jayesh 2) Veduravada Balaji 3) Podugu Diarna Teja 4) Adabala Sunil Kumar 5) Karipireddy Nageswara Rao	Dr. Danaiah Pulli	34-40	13	5	May-23		

Project Coordinator

R & D Coordinator

Head-ME

Principal