



Fr. C. Rodrigues Institute of Technology, Vashi

(An Autonomous Institute & Permanently Affiliated to University of Mumbai)

Department of Mechanical Engineering

Mini/ Major Project Details -Academic Year- 2024-2025

GRP NO.	ROLL NO.	NAME OF THE STUDENT	Project Title	Guide	Category (Internal/External)
1	2021151	Dinkar Sumedh Sudhir	Design & fabrication of a Hybrid Solar and Wind Power Renewable energy system	Mr. Nilesh Varkute	External
	2021248	Panchal Saurav Haresh			
	2021162	Kulkarni Anish			
	2021160	Kanekar Chakresh			
2	2021164	Gupta Nikhil Vinod	Controlling Thermo acoustic instability pulsating jets	Dr. Nilaj Deshmukh	Internal
	2021145	Aashish Madhavi			
	2021148	Chavan Rohan Vitthal			
	2021156	Jagtap Sarthak Mahesh			
3	2021108	Bandagar Harsh Ananda	Development of pneumatically operated pick & place machine for assembly of electronic components.	Dr. Dhananjay P.	Internal
	2021138	Kavale Rugved Vasant			
	2021116	Dalvi Shardul Chandan			
	2021119	Fulwariya Anil			
4	2021101	Aigalika Mahika	Heat & air flow optimization of sigma weld 400A TIG Welding machine.	Mr. Badal Kudachi	External
	2021104	Athul Krishna T. B.			
	2021132	Jambhale Kaustubh			
5	2021237	Singh Shashank	Drone based condition monitoring surface defects in equipments.	Mrs. Suvarna Rode	Internal
	2021262	Shubham Sahil			
	2021167	Meshram Sanchit			
	2021170	Mirza Baig Hanna			
6	2021163	Kumawat Deepak	Metal wire additive manufacturing	Dr. Krishnan S.	Internal
	2021105	Awasare Prathamesh			
	2021257	Shaikh Kaif Dilawar			
	2021139	Kazi Junaid Javed			



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7	2021235	Singh Aditya	Design & fabrication of oil shield	Mr. Praseed K.	Internal
	2021233	Shirole Siddhi Jayram			
	2021221	Poojari Ansh Krishna			
	2021236	Singh Anand Shishupal			
8	2021218	Parlikar Raj Atul	Design & fabrication of marine Thruster using magneto hydrodynamics.	Dr. Aqleem Siddiqui	Internal
	2021219	Patil Prathamesh			
	2021217	Panchal Viral Kamlesh			
	2021220	Pereira Neil Robert			
9	2021240	Vernekar Dhruv	Haptic feedback & Rider Assistance during blind spots in two-wheelers.	Dr. Aqleem Siddiqui	External
	2021229	Shedge Prathamesh			
	2021259	Shelar Siddhesh Atul			
	2021166	Mahimkar Mithil			
10	2021253	Salunkhe Atharav	Optimization weld joint efficiency of coated mild steel to Aluminium weld produced by cold metal transfer.	Dr. Krishnan S.	Internal
	2021268	Varhadi Om Vijay			
	2021252	Mokashi Swapnil			
	2021269	Veturkar Ayush Prasad			
11	2021261	Shingare Siddhik	Design & development of Remote controlled tow vehicle for light aircraft.	Mr. Afzal Ansari	Internal
	2021256	Sawant Aditya Satish			
	2021260	Shinde Pundlik			
	2021271	Wavhal Piyush Vinayak			
12	2021230	Shetty Udita Rajesh	Closed loop active control method for suspension the thermos acoustic insatbility using machine learning.	Dr. Nilaj Deshmukh Mr. Afzal Ansari	Internal
	2021213	Naik Atharva Prasad			
	2021153	Gharat Atharv Sameer			
	2021134	Kabra Anuj Abhay			
13	2021207	Magar Pranav Narendra	Cyclic oxidation ni based coating HVOF method	Dr. Sanjay Rukhande	Internal
	2021201	Khan Rayyan Rehan			
	2021211	Mhatre Vinit Prakash			
	2021209	Mhatre Krishnendu			



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14	2021125	Gharat Satvik	Design and development of a cargo container Transfer system.	Mrs. Suvarna Rode	Internal
	2021270	Wagle Saeem Samir			
	2021159	Mulani Aftab Munaf			
	2021245	Mungekar Prathmesh			
15	2021205	Lele Mohit Sameer	Design & development of Neuroprosthetic arm.	Mr. Sunny Saraf	Internal
	2021215	Nikam Shravan			
	2021106	Ayush Pankaj			
	2021210	Mhatre Mihir Ashok			
16	2021129	Jadhav Aditya Ramesh	Ranking of Job sequencing rules using multicriteria descision making.	Dr. Prasad Bari	Internal
	2021154	Gondhali Prathamesh			
	2021168	Mhatre Rohit Anant			
	2021149	Dalal Ujwal Prashant			
17	2021273	Zope Hemant Sanjay	Optimizing Thermal Mangement systems for EV Batteries by CFD analysis.	Dr.Nilaj Deshmukh	Internal
	2021250	Powale Shardul Sanjay			
	2021147	Bankar Shubham Anant			
	2021254	Samant Tanvi Gajanan			
18	2021109	Baviskar Rohan Kantilal	Machine learning approch for fault diagnosis in Rotating system.	Ms. Shamim P.	Internal
	2021265	Sutar Prayag Santosh			
	2021208	Marri Aaryan			
	2021157	Jambhale Purva Raju			
19	2021264	Singh Akhil Sanjay	Experimental Study of Green Hydrogen Generation By Electrolysis Process.	Mr. Badal Kudachi	Internal
	2021263	Singh Abhishek			
	2021223	Rejoy Roy George			
	2021272	Zambare Om Girish			
20	2021226	Sastry Ananya Srinivas	Increase efficiency of the EV using POM.	Mr. Badal Kudachi	Internal
	2021251	Rao Anish Prakash			
	2021212	Nadar Emmanuel Arul			
	2021255	Sartape Ankita Jitendra			



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21	2021204	Kumawat Pradeep	Design & development of FES integrated Exoskeleton.	Dr. Nilaj Deshmukh	Internal
	2021231	Shinde Mayuresh			
	2021243	More Yash Sunil			
	2021242	Yewale Amey Prasad			
22	2021247	Nandgaonkar Aryan	Analysis of optimization of Heat Sink.	Mr. Afzal Ansari	Internal
	2021266	Thale Arin Ashish			
	2021267	Thali Ayush Dinesh			
	2021258	Sharma Khushi			
23	2021150	Date Mrudul Sanjay	Design & Prototyping braking systems by eddycurrent	Mr. Arif S.	Internal
	2021155	Jagave Shivanand			
	2021246	Naik Maitrey Sachin			
	2021152	Gage Amey Uttam			
24	2021131	Jadhav Sahil	Design & development of Solar powered Electric Vehicle	Dr. Aqleem Siddiqui	Internal
	2021103	Ansari Sajid Ahmed			
	2021127	Gupta Sumit Yogesh			
	2021113	Chauhan Prajwal			
25	2021234	Siddhivinayak Mahadani	Fault identification of Gearbox based on Empirical model & Soft computing tools.	Dr. Vishal Salunkhe	Internal
	2021239	Vaze Gaurish Shailesh			
	2021232	Shinde Shivam Alankar			
	2021161	Katkar Srushti Rajesh			
26	2021122	Gandhe Atharv Mukesh	Solar Wireless electric wireless charging system	Mr. Bipin Mashilkar	Internal
	2021133	Kabadi Rishikesh			
	2021114	Chipkar Om Rajesh			
	2021121	Gajare Sarvesh			
27	2021140	Khairnar Dhananjay	Design & Fabrication of gesture controlled Robotic Arm for surgical assistance.	Dr. Bharat Kale	Internal
	2021144	Rakshit Bohra			
	2020134	Soshte Shantanu			
	2021136	Kamble Jayesh Ganesh			



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28	2021135	Kadam Rohit Pradeep	Time study analysis of assembly of welding machine.	Mr. Deepak D.	External
	2021137	Karkera Harsh Naresh			
	2021102	Ankith Pradeep			
	2021169	Micheal Vasanth			
29	2021126	Ghare Yash Samir	Solar powered beach cleaner	Dr. Dhanjay P.	Internal
	2021124	Ghag Adwait Sanjay			
	2021227	Sawant Rohan Sanjay			
	2021165	Mahale Riya Jitendra			
30	2021128	Hanji Veeresh Vikram	Design fabrication of 2 wheel drive forklift.	Mr. Kamlesh Sasane	Internal
	2021202	Khan Raziq Ur Rahman			
	2021206	Maaz Masood			
	2021141	Khan Muneeb Suhail			
31	2021107	Bagul Atharva Trusar	Identification of bearings unbalance with rayleigh method and ANN	Dr. Vishal S.	Internal
	2021238	Sonawane Ujjwal			
	2020210	Benjamin Leon Sam Suja			
32	2020137	Tambe Sanskrut Mahesh	Hybrid Bike	Mr. Amar M.	Internal
	2020141	Ukirde Pratham B			
	2020216	Fulzele Nimish Nagsen Pradnya			
	2020239	Masih Adit Alfred Jyoti			

Nilesh Varkute / Shankar Waghmode
Coordinator, Major Project

Dr. Aqleem Siddiqui
Head, Mech. Engg. Dept.