



Department of Mechanical Engineering


Major Project Details -Academic Year- 2023-2024

Group No.	Roll No.	Name of the Student	Title of the Project	Category (Internal/External), If external, mention Name of the Organization	Name of the Guide
1	2020105	Devoushka Yadav	Cuffless BP monitor	Internal	Mr. Sunny Sarraf
	2020115	Mayur Patil			
	2020119	Dhananjay Pawar			
	2020126	Om Sawant			
	2020144	Harshal Vekhande			
2	2020101	Rhucha shinde	Lower Arm Active Prosthetic Hand Driven by Surface EMG Sensors and Tactile Sensors	Internal	Mr. Sunny Sarraf
	2020103	Chaitrali U			
	2020104	Akanksha Yadav			
	2020106	Christo Freddy			
3	2020112	Shubham Pandav	Development for Welding Procedure for Naval steel using Spin Arc GMAW	External, Naval Materials Research Laboratory, Ambernath	Dr. Krishnan Sivaraman
	2020118	Yash Patole			
	2020124	Pratham Salunke			
	2020142	Harsh Urankar			
4	2020133	Sharvin Sohoni	Pneumatically Operated Upper-Body Exoskeleton	Internal	Dr. Dhananjay Panchagade
	2020143	Atharva Vani			
	2020150	Rajdeep Mokal			
	2020162	Basavraj Gavi			
5	2020109	Soham Nevgi	Design and Fabrication of pulley with Cycloidal Gearbox for Chain hoists	Internal	Mr. Bipin Mashilkar
	2020111	Siddesh Padate			
	2020139	Hardik Thasale			
	2020140	Parth Trivedi			
6	2020116	Saurabh Patil	Design and Development of Autonomous Underwater Vehicle for CARGO	Internal	Mr. Deepak Devasagayam, Mrs. Suvarna Rode
	2020129	Safhan Shirgaonkar			
	2020147	Faaiz Nakhwa			
	2020153	Sherwin Money			
7	2020102	Mrunmayee Paunikar	Design and Development of Air Cooled Cooling System in EV Battery for Enhancement of Performance	Internal	Dr. Nilaj Deshmukh
	2020114	Manav Patel			
	2020107	Kaushik Nanduri			
	2020130	Gaurav Singh			
	2020167	Darshan .M. Jadhav			
8	2020149	Siddhant Kadam	Development of the Gyro motor	External, Triqual Cryogenics Pvt Ltd	Mr. Shoumik Kulkarni
	2020159	Advait Wani			
	2020165	Vinit Koli			
	2020125	Jatin Satyam			



9	2020127	Avdhut Shelar	Enhancing Aircraft performance through aerodynamic improvements via stability augmentation devices	External, L&T : Defence Engineering	Dr. Nilaj Deshmukh, Mr. Afzal Ansari
	2020131	Jagraj Singh			
	2020113	Atharva Parise			
	2020170	Devang Gaur			
	2020170	Devang Gaur			
10	2020108	Vedant Narangikar	Coconut tree branch pruning mechanism	Internal	Mr. Prasad Bari, Dr. Sanjay Rukhande, Mr. Shoumik K.
	2020110	Siddhesh Pabalkar			
	2020117	Jay Patil			
	2020122	Swayamdeep			
11	2020128	Nishant Shelar	Dynamic Modelling of a Rotor Bearing Structure and Vibration Based Surface Defect Analysis	Internal	Dr. V. G. Salunkhe
	2020138	Pranit Tamboli			
	2020145	Aniket Waybase			
	2020146	Upendra Yadav			
	2020135	Akash Suryavanshi			
12	2020152	Suyash Bare	Design and development of experimental techniques to measure mixed mode fracture of PMMA material using photoelasticity and correlating with theory.	Internal	Dr. Dhananjay Panchagade
	2020148	Yash Mekade			
	2020158	Pradnya Bokade			
	2020154	Jebin Nadar			
13	2020160	Parab Shreyash	Design and Development of Transient Heat Flux Sensor	Internal	Ms. Shamim Pathan, Dr. Nilaj Deshmukh, Mr. Praseed Kumar
	2020163	Rupesh Chaudhari			
	2020164	Omkar Patil			
	2020168	Kaustubh Patil			
14	2020120	Aryan Pilley	Paper Recycling machine with water feedback loop	Internal	Prof. Syed Arif
	2020123	Aftab Sable			
	2020132	Amogh Sisal			
	2020155	Samuel Freddy			
	2020136	Mubeen Tambe			
15	2020151	Atharva B.	Design And Fabrication of Smart Traveller	Internal	Mr. Varad Deshpande
	2020161	Arjun P.			
	2020166	Mansi D.			
	2020169	Vishal M.			
	2020156	Gayatri Balan			


[Nitesh Varkute]
Name and Signature of
Project Coordinator


Name and Signature of
Head of the Department
[Dr. Anjeem Siddiqui]



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1	2020222	Kartik Gupta	Computational Design and Simulation of a Stabilator for a Fixed wing aircraft	Internal	Mr. Afzal Ansari
	2020246	Mayur Parab			
	2020247	Umar Khan			
	2020249	Dhiraj Chaudhari			
2	2020212	Balkrishna Desai	Design and Development of an Inboard Braking system for a RWD ATV	Internal	Dr. Aqleem Siddiqui, Prof. Syed Arif
	2020232	Pranav Koli			
	2020236	Rhutvik Madake			
	2020238	Prathamesh Mane			
	2020215	Derek Dsouza			
3	2020242	Abhishek Mohite	Multiple fault detection of gears based on empirical model and soft computing tools	Internal	Dr. V. G. Salunkhe
	2020256	Yash Salodkar			
	2020205	Shreya Patil			
	2020235	Hardik Lad			
4	2020207	Siddhant Amrutkar	Wet Sliding Wear Investigation of 'NI-Based Coating for Piston Cyclinder	Internal	Dr. Sanjay Rukhande
	2020220	Kaushal Gujar			
	2020228	Yash Jethwa			
	2020229	Abhishek Joshi			
5	2020243	Mustafa Moiyaadi	Design and development of a CO2 capturing device using Potassium Hydroxide	Internal	Ms. Neha Pandit
	2020260	Sarthak Patil			
	2020241	Onkar Mohape			
	2020209	Pratham Bawkar			
6	2020251	Shruti Shinde	Enhancing Weld Joint Efficiency of Coated Mild Steel to Aluminum by Cold Metal Transfer	Internal	Dr. Krishnan Sivaraman
	2020258	Siddhesh Teli			
	2020233	Jayesh Kapadnis			
	2020214	Mark Divekar			
7	2020245	Devanshu Patne	Experimental Study of Flow Induced Vibration in Various Flow Elements	Internal	Mr. Shoumik Kulkarni, Mrs. Shamim Pathan
	2020203	Shaurya Phatak			
	2020234	Prathamesh Kulkarni			
	2020254	Jaron Michael Dmello			



8	2020202	Tazeen Patel	Design and Analysis of Carbon Fibre Propeller Shaft	Internal	Dr. Sanjay Rukhande
	2020225	Anirudh Habade			
	2020230	Manas Kadu			
	2020223	Shreyash Gupta			
9	2020204	Sakhi Surange	Fault Diagnosis of the Outer Race of Ball Bearing using Machine Learning Methods	Internal	Mr. Praseed Kumar, Mrs. Shamim Pathan
	2020206	Parth Amburle			
	2020211	Souvik De			
	2020231	Yash Kakkayanavar			
10	2020226	Aayush Jadhav	Design and Development of Thermal Brick for Green Building	Internal	Ms. Neha Pandit, Mr. Sunny Saraf
	2020240	Aditya Mishra			
	2020250	Shubham Devlekar			
	2020252	Shweta Kachare			
11	2020213	Kunal Deshmukh	Design and Development of App for Fastener Recognition	Internal	Prof. Deepak Devasagayam
	2020255	Sean Freeman			
	2020259	Prashant Bhatade			
	2020265	Aman Sargar			
12	2020269	Monish Bafna	MATLAB- Based Steering System Analysis and Design Tool	Internal	Dr. Aqleem Siddiqui
	2020261	Rushikesh Biradar			
	2020208	Vedant Badawane			
	2020264	Varad Thakur			
13	2020263	Atharva Dake	Development of Vibration Measuring System In Roller Element Bearing	Internal	Dr. Bharat Kale, Dr. V. G. Salunkhe
	2020217	Rushikesh Garad			
	2020218	Aditya Godik			
	2020219	Vedang Gogate			
14	2020221	Vedant Gujarathi	Designing and Fabrication of Drop Impact Testing Machine to Find Reliability of BGA's	Internal	Dr. Dhananjay Panchagade
	2020248	Prathamesh Bodhe			
	2020257	Atharva Bapat			
	2019217	Sanchit Patil			
15	2020262	Gaurav Bangar	Design and Fabrication of Intelligent Braking System (IBS)	Internal	Dr. Bharat Kale
	2020224	Sahil Gurav			
	2020253	Siddhi Surve			
	2020266	Tejas Sarode			
16	2020268	Jayesh Borse	Design and Development of Rotation Base for Welding Application	Internal	Dr. Sanjay Rukhande
	2020201	Preksha Dongre			
	2020227	Raj Jangam			
	2020244	Atharva Nakhawa			
	2020267	Sakshi Jadhav			

Name and Signature of
Project Coordinator

(Nilesh Varkute)

Name and Signature of
Head of the Department

(Dr. Aqleem Siddiqui)