

**K. J. Somaiya College of Engineering, Mumbai-77**  
(Autonomous College Affiliated to University of Mumbai)

**MECHANICAL ENGINEERING DEPARTMENT**

**List of UG projects 2018-19**

**B.TECH. PROJECT GROUPS = 68**

Sr. No.	Name of group members	Roll No.	Title of Project	Thrust Area	Name of Guide/ Co guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
1	Prabodh Ajit Sonalkar	1515124	Heat transfer enhancement using Impinging jet	Thermal and flow	Dr.S.R.Nikam	Internal		
	Tushar Dilip Patil	1515111						
2	Sahil Ahuja	1515003	Smart Manufacturing :A Case Study On CNC Machine.	Manufacturing/Allied	Prof. V.S Narwane	Internal		
	Dylan D'souza	1515012						
3	Niraj Dere	1515014	Optimization of Battery Recycling Through Reverse Logistic: A Genetic Algorithm Approach	Manufacturing	Prof. V. S. Narwane	Internal		
	Sejal Dhage	1515015						
4	Yash Dalal	1515079	Investigation of mixing characteristics of turbulent jet flow	Thermal and fluid flow	Dr. S.R. Nikam	Internal		
	Parth Gabani	1515083						
5	Akshat Shah	1515117	Design & Manufacturing of Depither for utilization of sugarcane baggase	Design	Prof. Shivangi Thakkar	Internal		
	Sagar Chothani	1625013						
	Bhavin Thakar	1625015						
	Dhruva Prajapati	1625016						

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6	Rashmin Rayani	1515029	Multicriteria evaluation of key performance indicator of manufacturing using big data analytic	Manufacturing/ Allied	Prof. Prashant Jain	Internal		
	Ahmed Khalifa	1515027						
	Ketki Sanghai	1415120						
7	Siddharth Mehta	1625014	Design and Analysis of HVAC System for a commercial building	Thermal	Dr. S.R. Nikam	Internal		
	Abhishek Mishra	1625024						
8	Vasu Vara	1625018	Design and Analysis of Adsorption Refrigeration System for Chillers	Thermal	Dr. S.R. Nikam	Internal		
	Ajinkya Bhoi	1625021						
9	Avanti Kantute	1625020	Fabrication and analysis of experimental setup of solar air heater	Thermal	Prof. Sandeep Chopade	Internal		
	Manali Bankar	1625007						
10	Yash Shah	1515055	Design and Development of a Portable Solar Generator	Thermal	Prof. Sandeep Chopade	Internal		
	Vidhanth Jain	1515089						
11	Dhanesh Pamnani	1515107	Design and analysis of an application of Shape Memory Alloys	Design	Prof. RajaNarsimha	Internal		
	Ganesh Jeughale	1515090						

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12	Rucha Bapat	1515006	Study, Analysis and Design of Thermal Storage and Thermal Control Systems in solar satellites(cubesat).	Thermal (Renewable)	Prof. Ramola Sinha	Internal		
	Husain Fidvi	1515016						
13	Nishi Rajesh Bhemani	1515009	Study of various eco-friendly lubricants in bearing applications	Design	Prof. Ajay Gangrade	Internal		
	Nisarg Rakesh Shukla	1515056						
14	Kopal Ajay Gangrade	1515137	Design and development of a mechanical locking system to replace sutures in a Rectal Prolapse surgery.	Mfg and Allied	Prof. Rajesh B Pansare	Internal		
	Saylee Milind Ingole	1625022						
15	Virang Panchal	1515108	Solar Powered Automated Irrigation system	Thermal(Energy)	Prof. Sandeep Chopade	Internal		
	Piyush Patel	1515109						
16	Transfer to Group No. 63 as a Mega- Project							

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17	Karan Tewani	1515060	Density Measurements of Molten Salts for Solar Thermal Applications	Thermal / Allied	Prof. Luckman Muhmood	Internal		
	Erwin Joseph	1515062						
	Harshwardhan Somani	1415130						
18	Ankit Jain	1515021	Design and Fabrication of a Ceramic Fused Filament Fabrication Machine	Design and Manufacturing	N.S Chandrashekhar	Internal		
	Chinmay Jategaonkar	1515023						
19	Rahul Rana	1515067	Design and Fabrication of a solar still	Thermal	Prof. Ramola Sinha	Internal		
	Pratik Chavda	1625006						
20	Not assigned to any students		---					
21	DIPAK SINGH	1515134	Design and Development of Sterilization Equipment	Thermal	Mrs. Priyanka Patil	Internal		
	AJAY RAIKAR	1515136						
22	Pratik Patel	1515043	Design, Fabrication and Analysis of Brake Disc using Metal Matrix Composite	Design	Dr. Manoj J. Pawar	Internal		
	Adhiraj Pimpalkar	1515046						

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23	Pranav R. Gawde	1515085	Design, Manufacturing, Testing of an automatic cricket bowling machine	Design	Dr. Manoj J. Pawar	Internal		
	Pranav H. Jain	1515088						
	Sahil D. Bagwe	1515138						
24	Swapnil S Dighe	1625008	Solar chulla	Thermal	K N Patil	Internal		
	Tushar D Vichare	1625009						
25	Rahul Salvi	1515049	Design and Manufacturing of sugarcane bagasse pulp Digester	Design	Prof. Shivangi Thakker	Internal		
	Sanket Sawkar	1515050						
26	Savan Anghan	1515004	Cell formation problem with alternate routing and replicate machine	Manufacturing	Prof. Vijay Bhosale	Internal		
	Ali Arsiwala	1515005						
27	Nidhi Mehta	1515036	Optimization of plant layout to reduce idle time using FlexSim	Manufacturing	Dr. Ramesh Lekurwale	Internal		
	Burhanuddin Bhavnagarwala	1625003						
	Shubham Agrawal	1625010						
28	Saurav Tank	1515125	Design and development of micro wind turbine	Design	Prof. Anushri Joshi	Internal		
	Meet Shah	1515120						

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29	Nobel Philip	1515112	Usage of Solar Energy in Heat Process Industries	Thermal	Ramola Sinha	Internal		
	Karishma Lakhapate	1515098						
30	Nijanand Sarawate	1515116	Design And Analysis of Wedge Brake	Design	Prof. RajaNarsimha	Internal		
	Jenil Shah	1515119						
31	Parth Panchal	1515042	Design and fabrication of automatic pothole filling machine	Allied	Vijay Bhosle	Internal		
	Anish Ranade	1515047						
	Varun Maru	1515035						
	Prasanna Jain	1515022						
32	Raj jain	1625005	Experimental analysis of various cooling pad materials of evaporative cooling system	THERMAL	Dr K N PATIL	Internal		
	Bhimashankar gurav	1625012						
33	Yash Patel	1515110	Design and fabrication of Automated Syringe Filler	Design	Prof Chitra Menon	Internal		
	Abhik Gupta	1515133						

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34	Punit Bhanushali	1515074	Design and fabrication of domestic grain mill	Design & Fabrication	PPP	Internal		
	Vikramsingh Bhatti	1515075						
35	Kabir h manek	1515101	Design and fabrication of two wheeled narrow aisle automated forklift.	Design and Fabrication	Prof. NS. Chandrashekhar	Internal		
	Hashmita mistri	1515104						
36	Afwan Dosani	1515082	Design,manufacturing and analysis of metal matrix composites for sound absorption	Design	Prof Vilas Dhore	Internal		
	Zaid Saboowala	1515115						
37	Abhishek Bhanushali	1515007	Electric Heater with ATUS Mechanism	Manufacturing/Allied	Prof .Abhijit Karmarkar	Internal		
	Aditya Sanjay	1515068						
38	Mohammed Shahab Usmani	1515128	Design and Analysis of Lightweight Helmet (Bike)	Design	Prof. Anushri Joshi	Internal		
	Klinzman D Vaz	1515129						
39	Nishad Kulaye	1515096	Experimental Studies on generation of electro-manetic field using engine exhaust and its effect on engine emission	Thermal	Prof.Atul Saraf	Internal		
	Neel Limbachiya	1515099						

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40	Nikita Iyer	1515087	Performance Analysis of Vapor Absorption Refrigeration System(VARS) using engine exhaust as hot fluid for regenerator	Thermal	Prof.S S Bhusnoor	Internal		
	Rehan Khan	1515094						
	Shrihari Chandwadkar	1515097						
41	Dipesh Kumar	1515002	Improving efficiency of PV cells using auto-cooling, auto-cleaning and shadow spacing methods	Design	Prof. Vijay Shinde	Internal		
	Huzefa Lightwala	1515032						
	Saurabh Vohra	1515064						
42	Viraj Chitalia	1625001	Ejector Nozzle Refrigeration	Thermal	Prof. Atul Saraf	Internal		
	Bhavik Rathod	1625002						
43	Bhavya Chedda	1515077	Automatic material Loading on AGV	Manufacturing/Allied	Prof . Rajesh Pansare	Internal		
	Siddhant Mallela	1515100						
44	Bhavin ravariya	1625004	Analysis and fabrication of Stirling plant by solar input.	Thermal	Prof. Abhishek Bhadauria	Internal		
	Nishit Patel	1515135						
45	Kalpesh Mulye	1515105	Design and analysis of Sewage treatment system	Design and fabrication	Prof. V.H. Shinde	Internal		
	Sahil Mhatre	1515103						
46	Raj Upadhyay	1515061	Synthesis Carbon nano structures through molten salts	Allied	Prof. Luckman Muhmood	Internal		
	Sumeet Ved	1515063						
	Simar Kironjot	1415089						



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47	Athira R Nair	1515106	Design, Fabrication & Testing of Static Torque Measuring Equipment	Design	Prof. Avinash Prabhu Desai	Internal		
	Prajakta P Jadhav	1625023						
48	Ria Bhattacharjee	1515008	Application of Industry 4.0 in Service Sector	Manufacturing	Prof.Narwane	Internal		
49	Ojas Mulye	1215035	Analysis of turbine blade profiles and mimicking the shapes from biological aspects	Design	Prof. Shilpa bhambure	Internal		
	Ashish Maru	1315098						
50	Pranav Bajaj	1515072	Autonomous Pesticide Dispensing Machine	Design	Dr. Ramesh R Lekurwale	Internal		
51	Rohith Augustine	1515025	Study, Experimentation and Fabrication of Biomass pyrolysis reactor	Thermal	Prof. Abhishek P.S. Bhadauria	Internal		
	Manan Shah	1515053						
	Parth Shah	1515054						
52	Mehlam Hamid	1515086	Design and manufacturing of solar still for desalination by boiling of water droplets.	Thermal and Fluid	Prof. Prashant Jain	Internal		

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53	Keval Mamaniya	1515034	Design, Manufacture and Testing of remotely operated underwater vehicle	Design	Prof. Avinash Prabhudesai	Internal		
	Meet Mehta	1515102						
	Owais Ahmed Shaikh	1515122						
54	Not assigned to any students							
55	Varun Bhanarkar	1515073	Automated Masking Machine	Automation/Mechatronics	Prof. Vijay Bhosle	Internal		
	Umang Gala	1515084						
	Apeksha Shinde	1512047						
	Rachana Dandekar	1512048						
	Revati Anawardekar	1512058						
56	Chetan Karan	1515026	Design and Fabrication Of Magneto Rheological Brake	Design	Dr. Manoj J. Pawar	Internal		
	Nidhip Naik	1515039						
	Vitthal Padte	1515040						

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57	Shubham Raorane	1515048	Design, fabrication and validation of Suspension and Steering system of an electric race car	Design and manufacturing (Mega Project - Orion)	Dr. Manoj J. Pawar	Internal		
	Akash Kokate	1515028						
	Shreya Rajmane	1515113						
	Basraj Kattimani	1625011						
58	Parth Gohil	1515019	Design, fabrication, testing and validation of drivetrain of an FSAE electric vehicle	Design and manufacturing (Mega Project - Orion)	Prof. A. K. Gangrade	Internal		
	Milind Haria	1515020						
	Bhavik Shah	1515051						
59	Kartik Gandhi	1515018	Design, fabrication and validation of chassis of an FSAE electric vehicle	Design and manufacturing (Mega Project - Orion)	Prof. Manoj Palsodkar	Internal		
	Nikit Bid	1515076						
	Saumil Kamdar	1515091						
	Yagnesh Chothani	1515078						
60	Chaitanya Rathod	1625019	Design and Development Of Brakes System for FSAE Electric Vehicle	Design (Mega Project- Orion)	Prof. V. G. Dhore	Internal		
	Manabendra Nath Das	1515013						

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61	Jay Kapadia	1515092	Design and Development of cooling system of an accumulator, motor & motor controller for an Fsaе Vehicle	Thermal (Mega Project - Orion)	Dr. S. S. Bhusnoor	Internal		
	Parth Kothari	1515096						
62	Atharva kulkarni	1515030	Design and manufacturing of motor performance testing Dynamometer for an electric Fsaе Vehicle	Design and Manufacturing (Mega Project - Orion)	Abhishek Bhadauria	Internal		
	Vedansh More	1515038						
	Lalatendu Bal	1515132						
	Ronak Panchal	1625016						
63	Gaurav Tayshete	1515126	Design, Fabrication and Optimization of a Prototype RC aircraft	Design, Manufacturing (Mega Project- Onix)	Prof. Prashant Jain	Internal		
	Vishal Thakkar	1515127						
64	Abdulqadir Vhora	1515130	Optimization of propulsion system for fuel efficient prototype vehicle	Mega Project (Eta)	Prof. A. K. Gangrade	Internal		
	Paresh Vora	1515131						
65	Akash Anghan	1515070	Design, analysis, fabrication and testing of Drivetrain System of an ATV	Mega Project (Baja)	Prof. A. K. Gangrade	Internal		
	Sumukh Dedhia	1515080						
	Parth Shah	1515121						

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66	Chetan Rane	1515114	Design, analysis and fabrication of Suspension System of an ATV	Mega Project (Baja)	Dr. S. S. Bhusnoor	Internal		
	Aditya Singh	1515123						
67	Richie Mathew	1515001	CAE of various components of ATV vehicle	Mega Project (Baja)	Prof. Manoj Palsodkar	Internal		
	Viral Chheda	1515011						
68	Het Soni	1515058	Design, analysis, fabrication and testing of Brake System of an ATV	Mega Project (Baja)	Prof. V. G. Dhore	Internal		
	Rushabh Vora	1515065						