



SARASWATI Education Society's
SARASWATI College of Engineering

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Kharghar, Navi Mumbai - 410 210.

Mechanical Engineering Department

Project Groups for 2019-20

Group No	Group Members	Title of Project
MECH1	Gaurav Patil Siddarth Thombre Ajay Rathod	Design and Fabrication of Automatic Braking and Bumper system using Sensor
MECH2	Shaikh Mohammed Umar Aniket Shinde Shaikh Mohammed Ahmed Nitish Rai	Experimental investigation on residual stresses generated by awj and shot peening process on welded joint
MECH3	Rahul Maurya Vishrut Kekatpure Abhishek kulkarni	Application of lean manufacturing in aquaponics to reduce overall cost and improve productivity
MECH4	Rupesh Patil Nandu Kamankar Hemant Jadhav Suraj Choudhary	Design of Solar Dryer with Flat plate Collector
MECH5	Akash K Bhadrige Sandeep Girase Manoj Natekar Jitendra Mane	Design of Pressure Contoller for Fuel Injector Tester Modelling
MECH6	Jayesh mahajan Omkar ghadge Kartik Ghuge Darshan More	Fabrication of solar dryer with flat plate collector

MECH7	Rohit Patil	Design and development of Hybrid Water Cooler
	Mayuresh Sarolkar	
	Prashant Bhole	
MECH8	Harshal Kotkar Hrishikesh Pawar Shubham Patil Sagar Chavan.	Design and Analysis of Pulsation Dampner
MECH9	Komal Guldagade Sagar Jagtap Siddhesh Bhobekar Soumitra Pal	Design and fabrication of Multipurpose Seed Sow Machine
MECH10	Pankaj Suryavanshi Prasad Sutar Amresh Vishwakarma Akash Walunj	Extraction of fuel from waste Plastic
MECH11	Shruti Thange Swapnali Tambe Anshu Singh Soham Shirgaonkar	Application of Tlbo in optimization of cutting parameters of wire EDM process
MECH12	Jeevan Kumar Vishal Pavane Aakash Pawar	Development of an automatic system for direction of plum line and alignment of guide rail
MECH13	Prajakta Mahadik Yash Mhatre Ketan Shimpi Sairaj Kanse	Combining aquaponics and vertical farming for water conservation and zero fertilizer: A pilot project
MECH14	Prathamesh Joshi Chetan Golhe Suraj Ghadi Suraj Gaikwad	Investigation of properties of composite material filament in fused deposition modelling
MECH15	Vishal Jogdankar Prashant Gawli Vaibhav Hiranik Aishwarya Desale	Investigation of alternative material filament for fused deposition method

MECH16	Mony Suradkar Ameya Mallya, Prathmesh Tambe Mohammad Zeeshan	Design and Fabrication of Advanced Mine Detection and Defusing Robot
MECH17	Pravin Palve Pradip Pimple Shraddha Patil Nayan Thakur	Fabrication of Solar assisted air conditioning using dessicant
MECH18	Vibhav Pothare Adarsh Prabhu Omkar Khilari Abhishek kumar	Design and Optimization of Solar assisted air conditioning using dessicant
MECH19	Yogesh Yadav	Prediction of depth of cut of submerged waterjet machnning of TI-6AL-AV
	Krishnapal Rajpurohit	
	Mayur Patil	
	Dheeraj Singh	
MECH20	Yashwant Sawant	Effect of natural fibre on Bioplastic composite by using Experimental Method
	Vinod Inkar	
	Omkar Patil	
	Harshad Thakur	
MECH21	Tushar Narendra Talware	Experimmental Investigation on mechanical failure of Bio implant material for Orthopedic Application
	Harshada Jamble	
	Kishan Teli	
	Akshay Sawant	
MECH22	Onkar Mohite	Biodiesel production from yellow oleander for S I Engine
	Rushikesh Padekar	
	Mujjamil Nanband	
MECH23	Akash sangale Dattatray pore Amit Singh rawat Dhananjay Chunchekar	Fracture testing of Rice straw composites
MECH24	Ravi Supe Harshad Umtol	Design and fabrication of Drainage water filter
	Mayur shirke	

MECH25	Deepakkumar Ram	Design of HAVC system of five star hotel.
	Sadhaquat Shaikh	
	Bhagyashri Narkhade	
	Sayali Patil	
MECH26	Tushar Borse	Design and Fabrication of Air Jack
	Siddhesh Ghume	
	shardul Chakor	
	Vikram Paradke	
MECH27	Milind Rajaram khamkar	Fabrication of 3D printer
	Shrikant Gaikwad	
	Aditya Anil Bhoir	
	Vijay Ashok Hegishte	
MECH28	Vipul Patil	Fabrication of grain cleaning machine for Agriculture
	Jayesh Patil	
	Akashay Patil	
MECH29	Yash Kiran Prabhu	Implementation of Four bar Mechanism in wheel Chair
	Abdullah Mohammed Sadique Shaikh	
	Viraj Vijay Danve	
	Prathmesh Sawardekar	
MECH30	Rohit Bandichode	Design and Fabrication of Automated Channel Cleaner
	Prathamesh Chavan	
	Siddhesh Main	
	Navneet Chavan	
MECH31	Ashish Dhumal	Modification of polymer composite by using natural composition
	Manish Gaikwad	
	Suraj Jaiswar	
	Saurabh Matal	
MECH32	Akash Gadhave	Production of Composite Material using Agricultural Waste
	Aniket Hadawale	
	Rauth Rabishankar	
	Sachin Doke	
MECH33	Sayali Bhabal	Design and Fabrication of Solar Water Distillation with PCM and Nano Particle
	Pallavi Bhosale	
	Swapnil Kashid	

	Gaurav Dethe	
MECH34	Saurabh Tahikar	Designing and manufacturing of air intake manifold of FASE car
	Ameaya Jadhav	
	Chetan Kadam	
	Aakash Umalkar	
MECH35	Sagar Lakhawade	Home Automation Using Solar Energy
	Naresh Choudhary	
	Sidhhant Kamble	
	Aakash Salunke	
MECH36	Rasika Bhavsar	Method and study analysis of production batch
	Rituja Jadhav	
	Pooja Kamble	
MECH37	Siddhesh Patil	Implementation of Automated Pesticides sprinkler in Existing Crop cultivation
	Swati Narayankar	
	Prajakta Saste	
	Aakash Hodge	
MECH38	Sanket Undre	Design and fabrication of Engine Dynamometer for KTM 390 Engine
	Yash Shetty	
	Gaurav Singh Rawat	
	Omkar Kadam	
MECH39	Navin Kodam	Remapping of ECU of Engine KTM 390
	Omkar Shinde	
	Vendang Mahurkar	
MECH40	Nupur Patil	Design and fabrication of electric power operated Exoskeleton in Health Industry
	Vaibhav Chavan	
	shaikh mohd shazaan	
	Shailesh Jadhav	
MECH41	Aditya santosh Surve	Fabrication and characterisation of fscus Bengallensis (Banyan Tree Ariel roots)
	Rasika Bhosle	
	Karuna Acharya	
	Dhammaratna Gaikwad	
MECH42	Jyoti B Gadekar	Experimental Investigation of double basin solar still system.
	Krunal Dhawade	
	Sayali S Desai	
	Aman S Dewarkar	

MECH43	Akshay Khade	Design and Fabrication of Automated Pesticide Sprayer
	Akshay Kate	
	Jayesh Marathe	
	Rohit Jadhav	
MECH44	Ashish Kondhari	Fabrication and characterization of bio composite using Bamboo fibre and epoxy resin
	Kamini Shrikant	
	Sanket Kangukar	
	Nikhil Avhad	
MECH45	Dattatray Gharge	Design and Fabrication of waste plastic to oil converter
	Bhupesh Ghule	
	Prasad Chopade	
	Rushikesh Koshti	
MECH46	Suyash Sharad Patil	Design and Fabrication of Sugarcane bud cutting machine
	Vijay Gambhir Patil	
	Hitesh Shankar Nirkar	
	Dhanjay Kailas Patil	
MECH47	Ajay Mukadam	Design and fabrication of Rice seeding planting machine
	Praful Rathod	
	Chetan Mokal	
	Suraj Patil	
MECH48	Manish Hande	Hill Assist Control Using Ratchet And Pawl Mechanism To Avoid rolling of vehicle on slopes
	Atish Bangar	
	Nikhil Barde	
	Rahul Gondhali	
MECH49	Soni Dhalpe	Experimental Investigation and performance evaluation of solar still
	Shahrukh Inamdar	
	Harshal Bhoir	
MECH50	Yash Jadhav	Design ,analysis and Fabrication of a body work and chasis for race purpose
	Yash Dalvi	
	Arnesh Kapse	
	Kedar Chavan	
MECH51	Shubham Bhaye	Pulsar 150 cc Engine Modification for Race Purpose
	Unmesh Haryani	
	Shubham Bhatkore	

MECH52	Mayoj Ghutukade	Design, analysis and simulation of JATO nozzle to compare actual, analytical and theoretical results
	Chetan Chaudhari	
	Rohit Bhalekar	
	Atul Bangar	
MECH53	Hemant Avhad	Design of automated segregation and shredder system and heat simulation profile insimulation
	Bhivraj Mahajan	
MECH54	Rahul Racharla	Design and Fabrication of Automatic Rescue machine for agricultural/field borewell
	Shubham Rane	
	Kaushal Khanjode	
	Sushma Wagh	
MECH55	Ruturaj dilip Mestry	Automatic moisture and light controlling system of garden
	Sahil Dapodkar	
	Siddhesh Nakashe	
	Shidhishivakumar Mattaparthi	



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NAME OF THE BRANCH: MECHANICAL ENGINEERING

Project list 2018-19

Gr.No	Name of Students	Title of the Project
1	Akshay Pawar	Identification of manufacturing flexibility in sme's - program, labour and machine flexibility
	Sahil Patil	
	Roshan Zirwa	
	Ramesh Sawant	
2	Aakash Kalkundrikar	Design and fabrication of experimental setup to find heat transfer coefficient in boiling process of water
	Sanket Kaware	
	Swapnil Kadam	
3	Prajwal Jage	Optimization of waste management by reducing the waste in industries : A case study -A perspective in SMEs
	Shyam Kanani	
	Rohit Gole	
	Avinash mavle	
4	Pranay Patil	Optimization of energy consumption during drilling of SS410 by using taguchi method
	Shubham Patil	
	Pranjali Jhadav	
	Sairaj Thakur	
5	Sanket Dhalape	Experimental setup to find heat transfer coefficient in boiling process of water-Fabrication and analysis
	Sejal Desai	
	Sachin Kadam	
6	Sanket Thakur	Optimization of MIG welding process parameters using taguchi method of AZ91
	Aditya Yadav	
	Ajinkya Vaite	
	Vaibhav Mule	
7	Dnyanesh Panchal	Application of ANFIS in prediction of burst area in AWJ cutting of granite
	Shrinivas Madiwala	
	Rutuja Palekar	
	Rahul Gupta	
8	Sanket Pawar	Monitoring of surface roughness in CNC END milling of Inconel 718 BY ANN-wavelet
	Tejas G	
	Swarnjayanti Gupta	
	Antulay Ismail	

9	Awdhut Aswale	Optimization and Prediction of surface roughness in turning of Titanium alloy (Grade 2)
	Pawan Dukare	
	Arjun Chauhan	
	Sauranh Dubey	
10	Asif Tanveer	Optimization of surface roughness in AWJ cutting of 7075 T6 Aluminum alloy
	Veena Sonawane	
	Prajakta Davkhar	
	Sajjan Kumar shah	
11	Pawankumar J	Modeling of abrasive waterjet machining in cutting of Al 7075 T6 aluminium alloy
	gaurav D	
	Saiprasad M	
	Krishna B	
12	Deepak Munde	Design and Fabrication of kitchen waste food disposal system
	Siddesh sawant	
	Suraj shendage	
	Akash shinde	
13	Purnima Kadam	To study and develop uniform and continuous lubricating system for wire ropes
	Pranav Chaugule	
	Akash Vagare	
	Chimay kolgaonkar	
14	Tanmay kekan	Parametric optimization of TIG welding By using DOE
	Akshay kesarwani	
	Deepak Kumar Pası	
	Dashrath Kumar Mhetre	
15	Swapnil A Vatte	Investigation of mechanical properties of hemp-banana fibre composite
	ANIL KUMAR SAHAL	
	Kadu Sangit Vikas	
	Momin Hamza Irfan	
16	Gautam Avinash	Design and fabrication of shredder machine for plastic recycling
	Dalvi Deepak	
	Yogiraj Chavan	
	Vishal Khandare	
17	Akshay Kharde	Fabrication of plastic recycling machine
	Pranay Kamble	
	Siddesh Bandekar	
	Ganesh Bhosale	
18	Dipesh Gorule	Design and testing of composite sandwich panel
	Sandip salvi	
	Santosh Dhebe	
	Durgesh Chinchkar	
19	Omkar Gurav	Automatic Drainage Cleaning using Solar Panel
	Abhishek Batavale	
	Gaurav Sawardekar	
	Akshit Shah	
20	Raviraj Bhosale	Investigation of material properties of CFRP composite for application in flywheel
	Vishal kadam	
	Vishal Rahod	
	Aditya Kamble	
21	Tanmay Kadrekar	Fabrication and experimental analysis of fins
	Mangesh K	

22	Punam Nandoskar	Implementation of Inventory management tools to improve productivity in Panjtan Packaging
	Parikshit S	
	Omkar Kanitkar	
	Rushikesh Naik	
23	Satish Yadav	Optimization of Drilling Parameters to minimize cutting force in Machining of titanium Grade 2
	Rahul pujari	
	Vikas Hadavale	
	Gurunath Hawali	
24	Ketan More	Wheel operated pesticide sprayer
	Sachin Rahinj	
	Akshay Supugade	
	Ajit Pawar	
25	Mangesh Talpe	Design and fabrication of linear delta robot
	Pratik S	
	Tilakdhari Singh	
	Abhishek Shetty	
26	Omkar Talekar	Design and fabrication of linear delta robot
	Neeraj Pal	
	Amritesh Singh	
	Avinash Singh	
27	Ajit Gegram	Emergency fire rescue kit (Sky saver)
	Xavier George	
	Rohit Ghodke	
	Umesh Garje	
28	Manasi Sawant	Organic Waste Converter using Solar Technology
	Rupali Pawar	
	Tausif Shaikh	
	Waruse Amir Hamza	
29	Sukanya Landghe	Optimization of turbine blade with different thickness of TBC material
	Harsh Chauhan	
	Sanket Doke	
	Prasad Bhargude	
30	Amey Kupte	Comparative analysis of heat exchanger with different inserts
	Shubham Samal	
	Nitin Shelke	
	Himanshu Rai	
31	Bhuvanesh Rane	Fabrication of regeneration smart solar vehicle
	ShivKumar Birajdar	
	Rahul Gengale	
	Omkar Khot	
32	Prasad D Gawande	Comparitive study of mechanical, thermal and water absorption properties of Aloe- Vera fiber reinforced composite
	Dhanajay M	
	Susil Masaye	
33	Kapil Patil	Testing mechanical properties of sugarcane bagasse fibre reinforced composite
	Pranay Mhatre	
	Pranav Waghmare	
	Akash Madha	
34	Sanket Villas Patil	Optimal selection of process parameters IN fdm machine for surface roughness of PLA material
	Prashant Nikam	
	Sushant Nikam	
	Pravin Shelar	

35	Tushar kamble	Design and thermal analysis of fins with different geometries for engines
	Gargi Thakur	
	Shreya Mhatre	
	Ketan Gaikwad	
36	Manas Bhoir	Design and fabrication drain water recycling
	Rupesh Gupta	
	Vidtyabhushan Gound	
	Vivek Halpatrao	
37	Sanket Sanap	Design and fabrication of Low run effort Bicycle
	Kiran Mane	
	Mustafa Khatib	
	Vaibhav Navalkar	
38	Shubham Bharwad	Fabrication water cooling tower
	Mayur Kadam	
	Amir Patel	
	Yash Petkar	
39	swapnil shinde	Design and analysis of rectangular fins
	rohit mane	
	pawan kathore	
	Vaibhav Redekar	
40	Vaibhav Pisal	Solar distillation using nano particles integrated PCM (phase change material)
	Hitesh Rane	
	Vrijesh Patil	
	Deepak Singh	
41	Ganesh Tiwari	Solar distillation enhancement using nano particles
	Kamlesh Sirvi	
	Rohit Survase	
	Uttam M	
42	suhas D	Multi tasking floor cleaning machine
	Akash S	
	Usamani Faisal	
	Rohit Rajguru	
43	Omkar Nemade	Improvement in design of gesture controll rover
	Nikhil Kale	
	Akash Waghe	
	Yashodeep Mahajan	
44	Shubham Khataavkar	Design and fabrication of latent cooling system for air conditioner
	Reena Jaiswal	
	Shrikant Hajare	
	Vinay Chaudhari	
45	Naitik Patil	Design and fabrication of sensible cooling system concentrator for air conditioner
	Umesh Gavit	
	Siddesh Guge	
	Shushant Dalvi	
46	Saurabh Bhoir	
	Siddhesh Patil	

	Yogiraj Jadhav	Electric power generation using roof top ventilator
47	Kalpesh B	Design and analysis of Car rear spoiler for drag reduction and fuel efficiency
	Shubham B	
	Chaitainya B	
48	Bhaveshe varpe	Aeration and cleaning of lake water using solar energy
	Dhanshree Topare	
	Ganesh Thorat	
49	Akshay Pradhan	Optimization of process in wire edm of D3 tool steel using TAGUCHI METHOD
	Bhaveshe Thakare	
	Shewta Temkar	
50	Sameer Tele	Optimization of cutting parameters in turning operation to reduce cutting force
	Saurav Wankhade	
	Vaibhav Bawaskar	
51	Roshan koli	Fabrication and characterization of corn husk fibre reinforced starch composite
	Mayank kumar	
	Vijay kawat	
52	Ajay Khumbhar	Development and manufacturing of FSAE car seat with kenaf reinforced biocomposite
	Ajit ingole	
	Ajay Bhikshe	
53	Ajay Chavan	Solar operated air cushion vehicle : a prototype
	Pruthviraj Jadeja	
	Kalyani Gangurde	
54	Ajinkya Lonkar	Fabrication and characterization of bidirectional flex fibre reinforced epoxy composite
	Vaity shardul	
	Sunil Giri	
55	Megha Devkate	Analysis and modification on effluent treatment plant: a case study
	Pooja Shelke	
	Pranali Ghorpade	
56	Sheetal Jhadav	Design and fabrication of pneumatically operated paper cup/dish machine
	Swapnil Jhadav	
	Harshal Kamble	
57	Rushikesh Kolape	Utilization of waste oil by filtration process
	Ashwini Masurkar	
	Sneha more	
58	Yogesh Mane	Modifaication of EMU bogie for high speed application
	Prasad Gurav	
	Mangesh Ahire	
59	Lalit more	Design of model of coil based corner shot gun with biometric security
	Sagar Mane	
	Kunal Wetkoli	
59	Rahul S	Design of model of coil based corner shot gun with biometric security
	Kunal K	
	Saurabh Pote	
59	Shubham Gupata	Design of model of coil based corner shot gun with biometric security
	Shubham madhavi	
	Parshuram B	
	Sagar Howal	

