

Mahatma Education Society's

Pillai HOC College of Engineering & Technology, Rasayani

Department of Mechanical Engineering

ME Project Details

Sr No	Year of ME Completion	Name of the Student	Title of Project
1	2012 - 13	Kambale Tanaji	Reliability centered maintenance methodology to reduce downtime of system in water supply system
2		Dhoke Amar	Experiment investigation of processes and performance parameters of turning operation on EN-31 steel using Design of experiment- A Taguchi Approach
3		Dhanokar Manisha	CFD and DOE to study the effect of solar chimney tower radius and height
4		Thavai Rahul	Kinematic dynamic modelling & simulation of biped robot
5		Borkar Devendra	Mathematical modelling of one wheel robot stabilized by reaction wheel principle using kane's method
6		Jhadhav Sangram	Mathematical modelling humanoid robotic arm
7		Meshram Nitesh	Experimental analysis of single crack detection using fast fourier Transform (FFT) analyzer
8		Sirsat Shrikant	Design and optimization of connecting rod
9		Patil Ravindra	Crack analysis of composite structures

10	Mane Uvaraj	Design and analysis of large opening end closures of pressure vessel for high pressure and quick opening application
11	Ranveer Abhijeet	Design and Analysis of Attachment of Sugarcane Harvester for a Tractor
12	Sandip Kumar	Crack analysis of thin walled pressure vessel by using finite element analysis
13	Chor Prafula	Spur gear contact stress analysis and stress reduction
14	Kor Ashwini	Parametric optimization of drilling machining process
15	Vairagi Priti	An Experimental Study Of Influence Of Turning Parameters On Surface Roughness And Mrr Using Multiple Regression Method And Taguchi Method
16	More Dayanand	Design and analysis of ACME and square threaded Screw Jack
17	Deshmukh Kiran	Numerical simulation of enhancement of heat transfer in a tube with and without rod helical tape swirl generators
18	Karjatwala Shabbir	Dynamically stabilized single wheel Robot with reaction wheel Principle
19	Tare Dinesh	Static and Dynamic Analysis of Impeller of Centrifugal Blower
20	Shashi Sankyan	Design, development and control of a ball balancing robot
21	Deshmukh Girish	Static and dynamic analysis of threaded pipe of pressure vessel
22	Mate Aniket	Thermal Analysis of Silencer
23	Bhagat Kaustubh	Study and Optimize influence of process parameters such as speed, feed, depth of cut to maximize output responses such as surface finish and material removal rate

24	2013 - 14	Dongare Manoj	Design and analysis of seed drill ground opener.
25		Nargolkar Pratiksha	Analysis of Engine Crank Shaft
26		Kadam Ashwini	Structural Analysis of Deep Groove Ball Bearing to improve performance
27		Pasi Bhavesh	Structural analysis of inflatable material
28		Dumbre Aniket	Analytical development and modal analysis six cylinder diesel engine crank shaft
29		Raut Pratik	Dynamic Modelling Simulation and control Design of drive & reaction wheel bot
30		Mange Mahesh	Investigation and optimization of two cylinder crankshaft by FE analysis
31		Shinde Aditya	PSA Modelling of Multi Unit Nuclear Power Plant
32		Bankar Jyoti	Structural analysis of hyper elastic material
33		Chavan Neeta	Analysis of Gear Box casing
34		Pathan Imran	Experimental analysis of multicylinder horizontal opposed piston compressor used in process industries
35		Patil Maheshkumar	To investigate heat loss of a fluid flowing through a pipeline for turbulent flow
36		Kadam Sagar Sanjay	Mathematical Modeling & Simulation with animation of ball balancing robot
37		Gholap Nitin Namdeo	Investigation and optimization of metal inert gas welding process parameters to improve quality of the similar metal joint by design of experiment techniques
38		Bawane Shyam Diwakar	CFD Analysis and design of Venturi Wind Mill

39	2014 - 15	Thakur Sanket Sadashiv	Non Linear Analysis of Connecting Rod
40		Kulkarni Amey Ujwal	Design of conical fixure to avoid damage for torque bush assembly
41		Kulkarni Mahesh Balaram	Design of pressure relief valve with buffer chamber
42		Shaikh Sameer Babajan	Design and Analysis of driver seat for unoccupied luggage retention using ERC R17 Regulation
43		Andhale Priyanka Rajesh	Investigation of Sol-Gel Method of coating Nanao particles manufacturing process by using Design of Experiments
44		Nichat Priyanka Nitin	Design and Analysis of driver seat for rear impact using FMVSS 301 Regulation
45		Bhoir Swapnil Suresh	Mathematical model development & Optimization of clearance between Punch and Die in sheet metal blanking process
46		Bhosale Rahul Abasaheb	Mathematical Modelling & Simulation of Quad copter-UAV using PID Controller
47		Sakharekar Sharad D	Design and Analysis of Pendulum test rig for frontal impact test as per ECE R29.
48		Prabhudesai Apoorva R	Fatigue life prediction of Dental Implants
49		Patil Pradip Sitaram	Numerical simulation of lightning static mixture with perforated holes
50		Salunkhge Swapnil Vasant	Design and Analysis of Drill Jig for cooling tower fan hub
51		Chikhale Madhavi Arun	Design and analysis of 4T overhead stack crane
52		Patil Pooja Ravindra	Optimization of leaf spring for better performance
53		Mhatre Shrisharada Shrirang	Structural analysis of a medium utility chassis to improve the performance

54	2015 - 16	Gaikwad bhaskar Krishna	Lunkenheimer grinding cap
55		Singh Pushpesh Bahadur	Design and analysis of High voltage low speed fan (HVLS) for room size of 16m by 12 m by 16 m
56		Modi Ankur Gautamchand	Support alalysis for agitator mounted fixed crane support tank
57		Gole Varsha Pratik	Air cooled heat echanger