



Department of Mechanical Engineering

List of Completed Projects

Sr. No.	Name of the student	Title of Dissertation	Academic year
1	Muzzamil Tole	Artificial Neural Network Based Surface Roughness and MRR Prediction Model in the Machining of Inconel 625	2020-22
2	Divya Singh	Study Of Advanced Composite Main Rotor Blade	2019-21
3	Pranavesh Patil	Enhancing Overall Equipment Effectiveness of Pultrusion Machine	2019-21
4	Vinay Patil	Implementation of TPM in Hydraulic Seal Manufacturing Industry	2018-20
5	Jay Keni	Improving the Efficiency of Pencil Lacquering Machine by Implementing Total Productive Maintenance	2018-20
6	Mayank Kale	Design and Development of Press Die for Electrical Component	2018-20
7	Dhawal Kadu	Production Improvement of Industrial Centrifuge Machine Using Value Stream Mapping	2018-20
8	Hemant Haryan	Design and Development of Servo Feeder for Power Press	2018-20
9	Indhumathi D	Mitigating Stress Relaxation Cracking in Type 304H Weld Using Buttering Weld of ER16-8-2 Filler Wire	2018-20
10	Nida Sayed	Productivity Improvement in Blow Moulding Process through Energy Savings	2017-19
11	Avantika Prabhu	Embodied Design & Development of 4- Legged Adult Walker	2017-19
12	Hardikkumar Patel	Optimization of Process Parameters of Corrugation Operation by Using Taguchi Method	2017-19
13	Vishal Nadar	Embodied Design & Development of Hand Tricycle for Handicapped Persons	2017-19
14	Sarvesh Kulkarni	Design and Development of Cost-Effective Solar Water Heating System	2017-19
15	Shivali Gawde	Exploring Challenges in Sustainable Plastics Waste Management in India	2017-19
16	Sangam Dhanwade	Design and Development of Telescopic Belt Conveyor for Loading and Unloading	2017-19



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17	Harshad Panchal	Multi – Objective Optimization of Wire Electric Discharge Machining Parameters of Plastic Mould Steel - P20+Ni	2016-18
18	Ganesh Gupta	Optimization of Process Parameters in Wire Electrical Discharge Machining of D3 Steel	2016-18
19	Sagar Lad	A Comparative Study of a Different Approach to Solving Symmetric Traveling Salesman Problem	2015-17
20	Omesh Manuja	Productivity & Quality Improvement in Gear Hobbing Process by Parametric Optimization	2015-17
21	Ajay Krishna	Optimization of Process Parameters in Electrical Discharge Machining of DIN-X36CrMo17 Steel	2015-17
22	Harshita Salian	Evaluating Quality Aspects of Injection Moulding Using Shainin Tool	2015-17
23	Prashant Tripathi	Exploring fatigue behaviour of connecting rod made of austempered ductile iron	2015-17
24	Timbadia Virag	Integrating Creativity skills with Product Development	2014-16
25	Thakur Kavita	Reduction In Per Page Ink Consumption In Newspaper Printing	2014-16
26	Shukla Ashutosh	Optimization of Superfinishing Operation on Ceramics	2014-16
27	Khulli Abrar	Evaluation of Piping Isometric Drawings Using Six Sigma Process	2014-16
28	Khan Mohammed Irfan	Optimization of Machining Parameter in Milling Operation using Taguchi Technique	2014-16
29	Jadhav Shraddha	Value recovery of End of Life products using Game Theory Approach	2014-16
30	Gandhi Chirag	Improving Quality Parameters of Steel Balls Affecting Noise in Ball Bearings	2014-16
31	Deshpande Girish	Application of Shainin DOE Tools to Reduce Rejection in Machining of Bevel and Spur Gear	2014-16
32	Adnan Shaikh	Study of green supply chain management practices in manufacturing industries	2013-15
33	Aditya Jawlekar	Implementation of total productive maintenance in manufacturing industries	2013-15
34	Saurabh Vichare	Product life cycle assessment by value stream mapping in sustainable manufacturing	2013-15
35	Vimal gosar	Comparative Study of Taguchi Method and Response Surface Methodology DOE in Manufacturing Industry	2013-15



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36	Bhavik Modi	Comparative study of taguchi methodology and shainin system in manufacturin industry	2013-15
37	Dharam Ranka	Study of Shainin Systems in Manufacturing Industry	2013-15
38	Raut Vineet	Application of Taguchi Grey Relational Analysis to Optimise the Process Parameters in wire – EDM Machine	2012-14
39	Sameer Katakdounde	Optimization of process parameter in the machining of Delrin 500CL material	2012-14
40	Ashwin.D.Pathak	Optimization of Turning process parameter on AISI 304L using Response Surface Methodology	2012-14
41	Amruta Rane	Lead Time Reduction and Efficiency Improvement using Lean Manufacturing Tools and Techniques	2012-14
42	Vaibhav Gudi	Statistical Process control Practices in a Manufacturing Industry	2012-14
43	Rachna Namjoshi	Study of Inventory Optimization in Manufacturing Industry	2012-14
44	Shreya Kadwadkar	Process Optimization of turning process using design of experiments- TAGUCHI METHOD	2012-14
45	Kunal Kadam	Takt Time Reduction Using Lean Tools In Manufacturing Industry	2012-14
46	Kishore Sumita Hemant Meena	Stress analysis of spur gear: Experimental validation using FEA techniques and Photoelastic method	2011-13
47	Hangad Wasim S.	TPM a key strategy for productivity improvement in medium scale indusrty	2011-13
48	Khan Zaidahmed Zaferullah	Manufacturing excellence through JIT approach	2011-13
49	Khan Mohammed Fahim	Acoustic Emission method for in process monitoring and optimization of cutting parameters by taguchi method in turning using different fluids.	2011-13
50	Jobalia B'noy S.	Installation of the narrow belt conveyer and the high speed merger to cater the high thrucughput of Hindustan unilver (HUL)-Hariwar.	2011-13
51	Sonawane Mugdha P.	Quality improvement in EDM process through parametric optimization	2011-13
52	Lal Sajjankumar Umesh	Optimization of injection molding process parameters in the case of materials such as LDPE and ABS	2011-13



Shri Vile Parle Kelavani Mandal's

DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING

(Autonomous College Affiliated to the University of Mumbai)

NAAC Accredited with "A" Grade (CGPA : 3.18)



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53	Shaikh Mhd. Atique Mhd. Rafique	AGV path planning and obstacle avoidance using Dijkstras Algorithm	2011-13
54	Yadav Pradeep S.	To establish a methodology for predicting the mechanical properties of composite materials	2011-13
55	Waghoo Parvez Aslam	Optimization of Robot path planning using Genetic Algorithm	2011-13
56	Rajguru Ramesh R.	Experimental investigation and optimization of multipoint cutting parameters in machining of GFRP composites	2011-13
57	Deshpande Naresh C.	Optimization of process parameters for CNC Turning of woven fabric based GFRP composites using various optimization strategies	2011-13
58	Chawan Anup N.	Knowledge management barriers in Indian manufacturing SMEs: Modeling using an Interpretive structural modeling approach.	2011-13