



Department of Mechanical Engineering

List of Completed Projects

Academic year 2019-21		
Sr. No.	Name of the student	Title of Dissertation
1	Pranavesh Patil	Enhancing Overall Equipment Effectiveness of Pultrusion Machine
2	Divya Singh	Study Of Advanced Composite Main Rotor Blade

Academic year 2018-20		
Sr. No.	Name of the student	Title of Dissertation
1	Indhumathi D	Mitigating Stress Relaxation Cracking in Type 304H Weld Using Buttering Weld of ER16-8-2 Filler Wire

Academic year 2017-19		
Sr. No.	Name of the student	Title of Dissertation
1	Sayed Nida	Productivity Improvement in Blow Moulding Process through Energy Savings
2	Prabhu Avantika	Embodied Design & Development of 4- Legged Adult Walker
3	Gawde Shivali	Exploring Challenges in Sustainable Plastics Waste Management in India
4	Kulkarni Sarvesh	Design and Development of Cost-Effective Solar Water Heating System
5	Nadar Vishal	Embodied Design & Development of Hand Tricycle for Handicapped Persons
6	Patel Hardikkumar	Optimization of Process Parameters of Corrugation Operation by Using Taguchi Method
7	Sangam Dhanwade	Design and Development of Telescopic Belt Conveyor for Loading and Unloading



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Department of Mechanical Engineering

Academic year 2015-17		
Sr. No.	Name of the student	Title of Dissertation
1	Prashant Tripathi	Exploring fatigue behaviour of connecting rod made of austempered ductile iron
2	Harshita Salian	Evaluating Quality Aspects of Injection Moulding Using Shainin Tool
3	Ajay Krishna	Optimization of Process Parameters in Electrical Discharge Machining of DIN-X36CrMo17 Steel
4	Omesh Manuja	Productivity & Quality Improvement in Gear Hobbing Process by Parametric Optimization

Academic year 2014-16		
Sr. No.	Name of the student	Title of Dissertation
1	Deshpande Girish	Application of Shainin DOE Tools to Reduce Rejection in Machining of Bevel and Spur Gear
2	Gandhi Chirag	Improving Quality Parameters of Steel Balls Affecting Noise in Ball Bearings
3	Jadhav Shraddha	Value recovery of End of Life products using Game Theory Approach
4	Khan Mohammed Irfan	Optimization of Machining Parameter in Milling Operation using Taguchi Technique
5	Thakur Kavita	Reduction In Per Page Ink Consumption In Newspaper Printing
6	Timbadia Virag	Integrating Creativity skills with Product Development
7	Shukla Ashutosh	Optimization of Superfinishing Operation on Ceramics
8	Khulli Abrar	Evaluation of Piping Isometric Drawings Using Six Sigma Process



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Academic year 2013-15		
Sr. No.	Name of the student	Title of Dissertation
1	Dharam Ranka	Study of Shainin Systems in Manufacturing Industry
2	Bhavik Modi	Comparative study of Taguchi methodology and Shainin system in manufacturing industry
3	Vimal gosar	Comparative Study of Taguchi Method and Response Surface Methodology DOE in Manufacturing Industry
4	Saurabh Vichare	Product life cycle assessment by value stream mapping in sustainable manufacturing
5	Aditya Jawlekar	Implementation of total productive maintenance in manufacturing industries
6	Adnan Shaikh	Study of green supply chain management practices in manufacturing industries

Academic year 2012-14		
Sr. No.	Name of the student	Title of Dissertation
1	Kunal Kadam	Takt Time Reduction Using Lean Tools In Manufacturing Industry
2	Shreya Kadwadkar	Process Optimization of turning process using design of experiments- TAGUCHI method
3	Rachna Namjoshi	Study of Inventory Optimization in Manufacturing Industry
4	Vaibhav Gudi	Statistical Process control Practices in a Manufacturing Industry
5	Amruta Rane	Lead Time Reduction and Efficiency Improvement using Lean Manufacturing Tools and Techniques
6	Rakesh Shriwardhankar	Development of Helium Leak Testing System and Procedure for testing of Nuclear Equipment
7	Ashwin.D.Pathak	Optimization of Turning process parameter on AISI 304L using Response Surface Methodology
8	Sameer Katakdounde	Optimization of process parameter in the machining of Delrin 500CL material
9	Raut Vineet	Application of Taguchi Grey Relational Analysis to Optimise the Process Parameters in wire – EDM Machine

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Department of Mechanical Engineering

Academic year 2011-13		
Sr. No.	Name of the student	Title of Dissertation
1	Chawan Anup N.	Knowledge management barriers in Indian manufacturing SMEs: Modelling using an Interpretive structural modelling approach.
2	Deshpande Naresh C.	Optimization of process parameters for CNC Turning of woven fabric based GFRP composites using various optimization strategies
3	Rajguru Ramesh R.	Experimental investigation and optimization of multipoint cutting parameters in machining of GFRP composites
4	Waghoo Parvez Aslam	Optimization of Robot path planning using Genetic Algorithm
5	Yadav Pradeep S.	To establish a methodology for predicting the mechanical properties of composite materials
6	Shaikh Mhd. Atique Mhd. Rafique	AGV path planning and obstacle avoidance using Dijkstras Algorithm
7	Lal Sajjankumar Umesh	Optimization of injection moulding process parameters in the case of materials such as LDPE and ABS
8	Sonawane Mugdha P.	Quality improvement in EDM process through parametric optimization
9	Jobalia B'noy S.	Installation of the narrow belt conveyer and the high speed merger to cater the high throughput of Hindustan Uniliver (HUL)-Hariwar.
10	Khan Mohammed Fahim	Acoustic Emission method for in process monitoring and optimization of cutting parameters by Taguchi method in turning using different fluids.
11	Khan Zaidahmed Zaferullah	Manufacturing excellence through JIT approach
12	Hangad Wasim S.	TPM a key strategy for productivity improvement in medium scale industry
13	Kishore Sumita Hemant Meena	Stress analysis of spur gear: Experimental validation using FEA techniques and Photoelastic method