

Sl.No.	Title of the PG Project	Name of student	Year
1.	Formability of Tailored Welded Blanks of AA5052 and AA6061 Produced by Friction Stir Welding	Avinash Singh	2019
2.	Experimental Investigation on Fused Deposition Modelling Using Polycarbonate Filament and Optimization of Process Parameters Using Taguchi Technique	Asapu Srikanth	2019
3.	Modeling and Experimental Investigation on the Effects of Parameters on Machining Characteristics of Inconel 825 During WEDT and EDM	Gurugubelli Ravi Chandan	2019
4.	Experimental Investigation Into The Characteristics Of Self Riveting Dissimilar Friction Stir Welded Aluminium Alloy And HSLA Steel Lap Joints	Turaka Praveen Kumar	2019
5.	Finite Element Modelling of Temperature Distribution of Dissimilar Friction Stir Welded AA1100-AA5052 and Optimisation of Process Parameters	Latheef M.	2018
6.	Performance Enhancement and Mathematical Modelling of Cross Peripheral Grinding of Alumina	Manu A. V.	2018
7.	Study on the Effect of Process Parameters on Mechanical Properties of Friction Stir Welded High Density Polyethylene Sheets	Midhun Raj O	2018
8.	Study on Temperature Rise in Surface Grinding of AlSiC (MMC) using Diamond Grinding Wheel	Harendra Kumar Choudhary	2018
9.	Performance enhancement of ECD drilling of soda-lime-silica glass	Nithin B.	2017
10.	Automatic feature recognition from STEP files and its application	Anirudh Mohan V. V.	2017
11.	Machining of fluidic channels on borosilicate glass using G-ECDM and its performance evaluation	Aneesh T.	2017
12.	Modelling of heat evolution and effect of tool pin profiles on mechanical properties of FSW AZ91D Mg alloy	Arun Anto	2017
13.	Comparative study on the performance of drilling glass fibre reinforced plastic (GFRP) composite using different drill bits.	Prasanth P. Kumar	2016
14.	Development of a Smart System for Integrated CAD/CAM	Aman Kukreja	2016
15.	Effect of process parameters on surface roughness and cutting forces in thermally assisted machining of Ti alloy (Ti6Al4V)	Girish Chandra	2016
16.	Studies on Tribological and Mechanical Properties of Al 7075-T651 Alloy Based Surface Hybrid Composite by FSP	Ranjeesh Sugathan	2016
17.	An investigation on the performance of electrochemical discharge machining (ECDM) using abrasive tool for glass	Fenu O Kuttan	2016
18.	Experimental investigations on the effect of temperature on residual stress in AISI 1055 steel during surface grinding	Pankaj Kumar	2016
19.	Investigation on grinding of AA336 SiC composites by single grit grinding approach	Sayyid Mahmood Thangal K.V.	2015
20.	Optimization of cutting parameters in surface grinding of metal matrix composites (Al/SiC) through vibration analysis	Kale Prakash Pradeep	2015
21.	An investigation on thermal aspects of electro chemical discharge machining	Atul Narsing Banapure	2015
22.	Effect of Tool Pin Geometry on Mechanical Properties of Friction Stir Welded Al 2024 Plates	Vysakh Mohanan	2014
23.	Empirical Modelling of Cutting Forces in Ball End Milling Using Experimental Design	M. N. M. V. Sarma	2014
24.	Modelling and Optimisation of Surface Roughness in Surface Grinding of SiC Advanced Ceramic Material	Binu Thomas	2014

25.	Process Modelling and Experimental Investigation on Powder Mixed Micro EDM of Aerospace Alloy	Vipin Vijayan	2014
26.	Investigation on Machining Characteristics of Varying Electromagnetic Field Assisted Die Sinking EDM	Vignesh S. Naidu	2014
27.	CAD Based Methodology for Modular Fixture Assembly and Analysis	Anish R.	2013
28.	Effect of Hollow Electrode on Drilling Speed and Hole Diameter in Electro Chemical Discharge Drilling	Ganesh M.	2013
29.	Theoretical Modelling and Parametric Optimisation of Forces in Surface Grinding of Al-SiCp Metal Matrix Composites	Prajin Lal K P	2013
30.	Development of An Attachment For Taper Cutting In Micro Wire EDM [MWEDM] And Abrasive Flow Finishing of Taper Cut Surface.	P S Suvin	2012
31.	Investigation on the effect of process parameters on the Surface Roughness of FreeForm surface	Rajesh. M	2012
32.	Design, Development, Calibration And Testing Of Strain Gauge Type Tool Dynamometer	Mohammed Afsal N.	2012
33.	Improving efficiency and quality of free form surface machining	Saluvandri Prasad Kumar	2011
34.	An investigation on surface characteristics of micro turned components	Viran Kumar Varikilla	2011
35.	Prediction of cutting force in micro cutting of brittle materials using FEM	Bhagwat Vishal Bapurao	2011
36.	Fabrication , characterization & ANN modelling of machining parameters of self-lubricated Aluminium/SiC/Graphite hybrid composite	Radhamanohar Rao A. V. N	2010
37.	Theoretical and experimental studies on micro-turning	K Kiran Kumar	2010
38.	Experimental investigation on Sculptured Surface Machining	Vasi Bharath Kumar	2009
39.	Dynamic Analysis of Micro-turning operation using finite element method	Jugal Kishore Singh Baghel	2009
40.	Modelling and Analysis of Abrasive Waterjet Turning Process	Sanyasi Naidu Kilaparthi	2009
41.	Error Measurement in Reverse Engineering Process	A Devadev	2008
42.	Fabrication and performance studies of W-Cu Powder Metallurgy tool electrode for EDM	Shinde Santosh Ganapat Rao	2003
43.	Fabrication of Metallic filter for filtering Water	Anupam Baruah	2003
44.	Production of EDM Tool Electrode by Powder Metallurgy	Bala Tripura Sundari	2002
45.	Performance Studies of Powder Metallurgy Tool Electrodes for EDM	G Phani Charana Devi	2002
46.	Modelling and Optimisation of Grinding Process Using Neural Network Approach	A Sudhakar	2002
47.	Neural Network Approach to Predict Metal Removal Rate and Surface Finish in EDM Process	E Suresh Kumar	2002
48.	Design of spatial cam mechanism for indexing motion	Sachin Patil	2002
49.	Effect of Polarity on Electro Discharge Machining of Al-SiC Metal Matrix Composite	G Rajasekhar	2001
50.	Evaluation of Point Heat Source Model for Metal Removal in EDM	T Krishna Prasad	2001
51.	Neural Network Approach to Grinding Process Modelling Optimisation and Control	MD Anief	2001

Sl. No.	Title of the UG project (B.Tech. major project)	Year
1.	Automated tolerance analysis of a mechanical assembly from model based definition	2019
2.	Optimisation of aluminum anodisation and analysis of various property enhancements	2018
3.	Design, Analysis and Fabrication of a Parallel Kinematic Drilling Machine	2018
4.	Design and Fabrication of an Electrochemical Discharge Machining Setup	2017
5.	Fabrication of dynamometer and developing new machinability index	2017
6.	Development of a spindle unit for rotary ultrasonic machining and its performance analysis	2016
7.	Modelling of grinding of SiC using diamond wheel	2016
8.	Synthesis and characterization of banana fibre derived nano cellulose composites.	2016
9.	Application of CT/MRI scan data for analysis and fabrication of medical implants	2015
10.	Development of a die sinking electro chemical discharge machining setup and its performance evaluation	2015
11.	Design, Analysis and Fabrication of a Reciprocating Attachment for a Machining Table	2013
12.	Design and Fabrication of a Twin Axis Trunnion Work Table	2013
13.	Design, Fabrication and Testing of a Two Axis Parallel Kinematic Machine	2012
14.	Design and fabrication and testing of a portable VAWT for low power applications	2011
15.	Design and Fabrication of a Coin Sorter	2010
16.	Intelligent Holding Mechanism	2010
17.	Infrared Targeting System	2010
18.	Feed-rate Optimisation in Free-form Surface Machining	2009
19.	Design and Fabrication of Pneumatically Actuated Cashew Deshelling Machine	2002
20.	Intelligent Fixturing System	2002
21.	2D Graphical Simulation of Ball End Milling Process and Adaptive Control of Cutter Deflection	2001
22.	Simulation of Ball End Milling Process and Estimation of Cutter Deflection	2000
23.	Expert System on Tool Failure Diagnosis	1999