

## LIST OF THESIS (PRODUCTION ENGINEERING)

Sr. No.	YEAR	NAME OF CANDIDATE	NAME OF SUPERVISOR/JOINT SUPERVISOR	THESIS TITLE
1	2009	Satish Kumar	Dr.Rupinder Singh/Er. Harwinder Singh	Availability analysis of complex system (case study)
2	2010	Lakshya Aggarwal	Er.N.D.Sharma	Optimization of turning parameters using genetic algorithm
3	2010	Arunish Mangla	Dr.Sehijpal Singh/Er.Jasmaninder Singh/Dr.Vikas Chawla	Characterization of hard faced mild steel plate of concrete mixer
4	2010	Rakesh Kumar	Dr.Gurinder Singh Brar	FEA of residual stresses in Butt welding of two AISI304 stainless steel plates
5	2010	Jawala Prashad Singla	Er.Jasmaninder Singh/Dr.Vikas Chawla	Effect of detonation sprayed coatings on wear rate of grey cast iron
6	2010	Rakesh Goyal	Er.Jasmaninder Singh/Prof. Buta Singh Sidhu	Enhancement of wear resistance of carbon steel with the application of thermal spray coatings
7	2010	Iqbaljit singh	Dr.Gurinder Singh Brar	Use of low density materials in roadster bicycle frame
8	2010	Gurinder Singh Mangat	Er. Harwinder Singh	Job satisfaction among workers of verka milk plants in Malwa region of Punjab
9	2010	Rakesh Kumar	Er.N.D.Sharma/ Er. Ravi Inder Singh	Experimental investigation of downdraft gasifier using different biomass fuels
10	2010	Arwinderjit Singh	Dr.Rupinder Singh	Maintenance planning and control of hand tools unit
11	2011	Jaswinder Singh	Dr.Rupinder Singh	Experimental investigations of Al-SiC Metal matrix composite with vaccum moulding
12	2011	Vipul Sharma	Dr.Rupinder Singh	Investigations for improving properties of plastic component replicas by silicon moulding process
13	2011	Gurdeep Singh	Dr.Gurinder Singh Brar	A numerical and experimental instigation of residual stresses in butt welding of two mild steel plates
14	2011	Rajwinder Singh	Dr.Sehijpal Singh	Comparative evaluation of magnetic abrasive finishing and buffing
15	2011	Jatinder Kumar	Dr.Rupinder Singh	Investigating the effect of vulcanization in tread rubber applications
16	2011	Harmesh Lal	Er.Jasmaninder Singh Grewal	Application of FEM foe crack analysis of railway wheel
17	2011	Chatwant Singh Pandher	Dr.Rupinder Singh	Effect of geometrical shapes of pattern in vacuum moulding.
18	2011	Rahul Sharma	Dr.Rupinder Singh	Some investigation of mechanical properties of Al-Al <sub>2</sub> O <sub>3</sub> metal matrix component composite in vacuum moulding
19	2011	Rahul Sharma	Dr.Rupinder Singh	Effect of cryogenic treatment on sensitization of 304 stainless steel in resistance spot welding
20	2011	Suhail Balhotra	Prof. Jatinder Kapoor	Study of factors that hinders growth of small

				scale industries in Ludhiana
21	2011	Khundrakpam Nimo Singh	Dr.Gurinder Singh Brar	Investigations of dry EDM of EN8 steel
22	2011	Jagdeep Singh	Dr.Rupinder Singh	Experimental investigations for rapid moulding solution of plastics using selective laser sintering
23	2011	Preet Kanwal Singh	Prof.Jasmaninder Singh Grewal	To study the effect of wear resistant coatings on wear rate of bearing steel.
24	2011	Amardeep Singh	Prof.Jasmaninder Singh Grewal	To study the behavior of wear resistant coatings on high tensile steel applicable on rotavator blades
25	2011	Ravinder Singh	Dr.Rupinder Singh	Effect of cryogenic treatment on sensitization of 304 stainless steel in TIG welding
26	2011	Raman Kumar	Dr. Harwinder Singh	Evaluation of third party logistics provider- A case study of tractor manufacturing organization
27	2011	Vikrant Aggarwal	Dr.Gurinder Singh Brar	Effect of different EDM wire electrodes on the machinability of D3 material
28	2011	Rajiv Kumar	Prof. Jatinder Kapoor	Effect of different wire electrode materials on the performance of WEDM
29	2012	Shivali Singla	Prof.Jasmaninder Singh Grewal	Performance evaluation of hard faced excavator bucket teeth against wear
30	2012	Gurpreet Singh	Dr.Sehijpal Singh	Manufacturing of magnetic abrasive by mechanical alloying
31	2012	Parmjit Singh	Dr.Rupinder Singh	Effect of slurry layers on the properties of investment cast components
32	2012	Maninderpal Singh	Dr.Gurinder Singh Brar/ Prof. Jatinder Kapoor	Effect of surface imperfection on axial load carrying capacity of a thin cylinder
33	2012	Sunpreet Singh	Dr.Rupinder Singh	Some investigations for investment casting applications
34	2012	Jasgurpreet Singh	Dr.P.S Bilga	Occupational health hazards in steel manufacturing industries- a case study
35	2012	Harvir Singh	Dr.Rupinder Singh	Effect of some parameters on cast component properties in hot chamber die casting
36	2012	Rahul Kapoor	Dr.Rupinder Singh	Effect of pressure on casting properties in cold chamber die casting process
37	2012	Ashwani	Dr.Sehijpal Singh	Application of stainless steel pin as a tool in magnetic assisted finishing
38	2012	Jagdeep Singh	Dr.Rupinder Singh	Investigating the effect of shape factor, slurry layers and pouring temperature in precision investment casting
39	2012	Gurwinder Singh	Dr.Rupinder Singh	Investigations for statistically controlled investment casting solution using ABS replicas
40	2012	Nipun Sharma	Dr.Rupinder Singh	Experimental investigation for hybrid investment casting
41	2012	Lakhwinder Singh	Prof.Jasmaninder Singh Grewal	Erosion- corrosion study D-Gun sprayed coatings on grade A1 boiler steel
42	2012	Anoop	Dr.Sehijpal Singh	Micro- drilling of Ti-6AL-4V and SS-316L

		Aggarwal		with orbital electric discharge machining
43	2012	Jatinderpal	Dr. Harwinder Singh	Implementation of quality control tools in an automobile organization – a case study
44	2012	Shehbaaz Singh Brar	Prof.Jasmaninder Singh Grewal	To study the behavior of erosion-corrosion resistant detonation gun sprayed coatings on T-22 boiler steel
45	2012	Charndra Shekar Singh	Dr.Gurinder Singh Brar	Strength investigation of CRVCI form joint using finite element modeling
46	2012	Harmeet Singh	Dr.Gurinder Singh Brar	Residual stress analysis and failure behavior of structure square hollow section corner welded joint
47	2012	Rajinder Singh	Dr.Rupinder Singh	Experimental investigation for pattern development using selective laser sintering
48	2012	Vinod Kumar Pandita	Prof.Jasmaninder Singh Grewal	Work related muscles disorders among workers- a case study
49	2012	Gaurav Jain	Dr.Sehijpal Singh	Experimental investigation into size effect and ploughing energy in grinding
50	2012	Vijay Gosain	Er. Gurmeet Kaur	Effect of process parameters on double sided friction stir welding joint
51	2012	Jaswant Singh Khera	Dr.Rupinder Singh	Comparative study of RP techniques for pattern manufacturing in investment casting applications
52	2012	Satinder Pal Singh	Dr.Rupinder Singh/ Dr. Parmjit Singh Bilga	Maintenance planning and control of rice mill- a case study
53	2012	Daljinder Singh	Er. Gurmeet Kaur/ Prof. Jasmaninder Singh Grewal	Effect of filler wire composition on the performance of GTAW tungsten steel
54	2012	Gaurav Mittal	Dr.Gurinder Singh Brar	Impact of powder metallurgy electrode in electric discharge machining of M-13 steel
55	2012	Pawandeep Singh Grewal	Dr. Parmjit Singh Bilga/Dr. Vikas Chawla/ Prof. Jasmaninder Singh Grewal	Characterization and hot corrosion behavior of D-gun sprayed coatings on ASTM-SA 210 grade A1 boiler steel
56	2012	Jagtar Singh	Er. Gurmeet Kaur/ Prof. Jasmaninder Singh Grewal	Behavior of friction stir welded brass plate joints
57	2012	Gurpreet Singh	Dr.Sehijpal Singh	Experimental and theoretical investigation into turning of EN-31 steel with minimum quantity lubrication
58	2013	Deepak Kumar Sharma	Prof. Jasmaninder Singh Grewal	Fabrication of cavitation erosion test rig and comparison of cavitation erosion of cast iron by injecting water in water and air in water
59	2013	Manjot Singh	Dr.Sehijpal Singh	Parametric investigation into near dry machining of stainless steel
60	2013	Amandeep Singh	Dr.Sehijpal Singh	Experimental investigation into turning of EN-24 and AISI-202 steel with minimum quality lubrication
61	2013	Satjot Singh Dhillon	Dr. Parmjit Singh Bilga/Prof. Jasmaninder Singh Grewal	Experimental investigation of high temperature corrosion behavior of detonation gun sprayed Al <sub>2</sub> O <sub>3</sub> .TiO <sub>2</sub> coatings on T-22 boiler steel

62	2013	Gurkamal nain Singh	Prof.Jasmaninder Singh Grewal	To study high temp0erarute erosion-corrosion of detonation gun sprayed Al <sub>2</sub> O <sub>3</sub> coatings on ATM-SA213 grade T-91 boiler steel
63	2013	Atam Parkash Papreja	Prof.Jasmaninder Singh Grewal	Comparative analysis of eco-friendly vegetable petroleum and synthetic oil based cutting fluids
64	2013	Navjot Singh	Prof.Jasmaninder Singh Grewal	To study the behavior of wear resistant coating on cast iron applicable on lathe machine beds and slides
65	2013	Ranjit Singh	Prof.Jasmaninder Singh Grewal	To study the performance wear resistant coating on high tensile steels applicable on lawn mower blade
66	2013	Varun Sharma	Dr.Sehijpal Singh	Fine finishing of metal matrix composite plate with magnetic abrasives
67	2013	Rupinder Singh	Prof.Jasmaninder Singh Grewal	To study the performance of hard faced high tensile steels with respect to wear applicable on the blades of rotavator
68	2013	Munish Kumar Gupta	Dr.Rupinder Singh	Experimental investigations for use od abrasive replicas in investment casting applications
69	2013	Tejinder Kaur	Prof.Jasmaninder Singh Grewal	Synthesis and characterization of sol-gel derived pure and titanium composite hap thin film coatings on Ti-6At-4V for biomedical application
70	2013	Vishal Mahajan	Dr.Rupinder Singh	Experimental investigations for reduction in cycle time of investment casting process by advancements in shell moulding
71	2013	Jaswinder Singh	Prof.Jasmaninder Singh Grewal	Performance of hard faced stainless steels subjected to erosion under controlled conditions
72	2013	Naveen Bansal	Prof.Jasmaninder Singh Grewal	To study the behavior of thermal spray coating on erosion wear of boiler tube
73	2013	Amrinder Singh Pannu	Er. Gurmeet Kaur	Development and fabrication of riding lawn mower deck
74	2013	Kanwal Preet Sahni	Dr.Rupinder Singh	Tribological behavior of dual and triple particle size Al <sub>2</sub> O <sub>3</sub> reinforced Al-MMC <sub>3</sub> prepared by vaccummoulding
75	2013	Gurpartap Singh	Dr.Rupinder Singh	Comparison of investment casting prepared with was pattern and ABS pattern for biomedical application
76	2013	Sardar singh	Dr.Rupinder Singh	Process capability analysis of MMC prepared by combining G FDM, vaccummoulding and stir casting
77	2013	Ranvir Singh	Dr.Rupinder Singh	Experimental investigations for development of MMC by combining stir casting and ABS replica based investment casting
78	2013	Supinderjit Singh	Dr.Sehijpal Singh	Optimization of process parameters of shot peening for AISI 43040 steel
79	2013	Prince Kapoor	Dr.Rupinder Singh	Development of biomedical implant chip joint by combining fused deposition of

				modeling and investment casting
80	2013	Baljinder Singh	Dr.Sehijpal Singh	External magnetic abrasive finishing of solid cylindrical surface with slotted magnetic poles
81	2013	Parmjit Singh	Dr.Sehijpal Singh	Comparative evaluation of magnetic abrasives prepared by mechanical alloying and sintering
82	2013	Karan Mankotia	Dr.Rupinder Singh	Development of ABS based wire as feed stock filament of FDM for industrial application
83	2013	Gurdev Singh Brar	Dr.Rupinder Singh	Development of nylon based FDM filament for rapid tooling application
84	2013	Jimmy Mehta	Prof.Jasmaninder Singh Grewal	Comparative analysis of detonation gun and high velocity oxy fuel sprayed coatings w.r.t wear of high tensile steel applicable to concrete mixture shovels
85	2013	Satinder Singh	Prof.Jasmaninder Singh Grewal	Evaluation of erosion resistance at detonation gun sprayed and hard faced AISI-304 boiler steel
86	2013	Baldeep Singh	Prof.Jatinder Kapoor	Parametric investigation into electrochemical honing
87	2013	Arshpreet Kaur	Prof.Jasmaninder Singh Grewal/ Er. Shehbaaz Singh Brar	Comparative study of thermal spraying by detonation gun and high velocity oxy fuel on AISI-310 boiler steel w.r.t. erosion
88	2014	Sandeep Salaria	Prof.Jatinder Kapoor	Study the internal surface and geometric characteristics of cylindrical work piece in electrochemical honing
89	2014	Ravinder Kaur	Prof.Jasmaninder Singh Grewal	Development and evaluation of vegetable based cutting flux for grinding process
90	2014	Joginder Singh	Dr. Parmjit Singh Bilga	Neuro – fuzzy and genetic algorithm to optimize ball burnishing process
91	2014	Simranjit Singh	Dr.Gurinder Singh Brar	An experimental and CFD analysis of sloshing in a tanker
92	2014	Akhil Deep Ayri	Dr.Gurinder Singh Brar	Effect of temp. variation on the service life of riveted joint
93	2014	Debashis Podder	Dr.Rupinder Singh	Experimental investigation of Al-SiC- Al <sub>2</sub> O <sub>3</sub> MMC prepared by vacuum moulding process
94	2014	Gagandeep Singh	Dr.Rupinder Singh	Development of DPS and TPS AlSiC MMC with vacuum moulding using ABS replicas
95	2014	Jagdeep Singh	Dr.Rupinder Singh	Investigation of metal matrix composite prepared by investment casting using reinforced FDM pattern
96	2014	Alok Kumar Trivedi	Dr.Rupinder Singh	Experimental investigations for surface quality improvement of ABS patterns prepared by FDM using barrel finishing
97	2014	Manjinder Singh	Dr.Rupinder Singh	Investigation of surface quality improvement of barrel finished FDM pattern based vacuum moulding
98	2014	Tajinder Singh	Prof.Jasmaninder Singh Grewal	Performance of wear resistant coatings deposited on C-70 high carbon steel applicable to rotary cutting blades

99	2014	Harinder Singh	Dr.Sehijpal Singh	Application of magnetic abrasive finishing for removal of EDM recast layer
100	2014	Gurvir Singh Suri	Er. Gurmeet Kaur	Optimization of process parameters of friction stir welding of AA6061-T6 and AA6082-T6
101	2014	Gauravdeep Singh	Dr. Harmeet Singh/ Er. Iqbal Singh Sharma	Experimental investigations and turning of EN-24 steel with cryogenic cooling
102	2014	Aditya Sharma	Er.Aprinder Singh Sandhu/Er.Parminderjit Singh	Investigation of cryogenic cooling under different cutting parameters in EN-31 steel
103	2014	Vipul Kumar Garg	Prof.Jasmaninder Singh Grewal	Wear behavior of D-gun sprayed coatings deposited on brick crusher steel plates
104	2014	Maninder Singh	Prof.Jasmaninder Singh Grewal	Performance of thermal sprayed coatings on EN-8 steel applicable to oil expeller screw with respect to wear
105	2014	Harkamal Singh	Prof.Jasmaninder Singh Grewal	Experimental investigation of D-gun sprayed coatings on EN-15B steel applicable to harvester combine blades with respect to wear
106	2014	Vijay Kumar	Prof.Jatinder Kapoor	Effect of uncoated and multilayer coated ceramic inserts in hard turning of EN-31 Steel- A comparative study
107	2014	Jasvir Singh	Dr.Rupinder Singh	Effect of processing parameters on mechanical properties of FDM filament prepared on single screw extruder.
108	2014	Gurjant Singh	Prof.Jatinder Kapoor	Experimental investigations into the effect of diffusion annealed wire (D-type) on WEDM.
109	2014	Vivek	Dr. Jasmaninder Singh Grewal/ Prof. Rajesh Gupta	Analysis of Micro-structure and mechanical properties obtained by GTAW welded duplex stainless steel applying Taguchi Method.
110	2014	Rajinder Singh	Prof.Jatinder Kapoor	Performance evaluation of uncoated and Ni-TiO <sub>2</sub> nano-composite coated carbide tool.
111	2014	Japinder Wadhawn	Dr.Sehijpal Singh	Parametric optimization for Austempering of SG Iron.
112	2014	Jagtar Singh	Dr. Jasmaninder Singh Grewal	Slurry erosion behavior of hard faced stainless steel.
113	2014	Inderpreet Singh	Dr. Gurinder Singh Brar/Er.Simranjit Singh	An experimental and numerical investigation of effects of baffles on liquid sloshing in elliptical tank.
114	2014	Ravinder Singh	Dr.Sehijpal Singh	Comparative evaluation of magnetic abrasives prepared by conventional and microwave sintering.
115	2015	Sarbjeet Singh	Dr. Gurinder Singh Brar	Optimization of wire-cut EDM process parameters for fabrication of micro channel
116	2015.	Navdeep Singh	Er. Gurmeet Kaur	The effect of shielding gases mixture on the mild steel welded joint characteristics in GMAW
117	2015	Harpreet Singh Jandu	Dr.Jatinder Kapoor	Effect of process parameters on performance of horizontal centrifugal casting

118	2015	Navneet Gupta	Dr. Jasmaninder Singh Grewal	Effect of electrolysis Ni-P coating on the properties of mild steel
119	2015	Bhupesh Walia	Dr. Jasmaninder Singh Grewal	Performance of thermal spray coatings for 316 L stainless steel implant materials
120	2015	Iqwinder preet Singh	Dr.Rupinder Singh	Investigation for surface quality of fused deposition modeling based ABS replicas by using vapour smoothening station.
121	2015	Maninder Singh	Dr. Jasmaninder Singh Grewal	Study of high temp. corrosion performance of Satellite-6 and Al <sub>2</sub> O <sub>3</sub> D gun sprayed coatings on SA2013T91 Boiler steel
122	2015	Harshdeep Singh	Dr. Jasmaninder Singh Grewal	Performance of detonation gun sprayed turbine steel with respect to slurry erosion.
123	2015	Manpreet Kaur Grewal	Dr. Jasmaninder Singh Grewal	Slurry erosion behavior of coated and uncoated turbine steel
124	2015	Dikshant Malhotra	Prof. Simranpreet Singh Randhawa	Effect of longitudinal vibrations on mechanical properties, microstructure of GTAW and SMAW weld steel
125	2015	Gurdeep Singh	Dr.Rupinder Singh	Experimental investigation on mechanical properties of castings prepared by organic fiber reinforcement in vacuum moulding
126	2015	Yunish Ahmad Dar	Dr. Jasmaninder Singh Grewal	Performance of hard faced grey cast iron (ASTM G3000) with respect to solid particle erosion.
127	2015	Sunpreet Kaur	Er. Gurmeet Kaur	To study the effect of tool tilt angle, tool rotational speed, tool welding speed on mechanical and metallurgical properties of friction stir welded Al 6063 alloy.
128	2015	Abhinay Kumar	Er. Amrinder Singh Pannu	Effect of hard surface coating on the wear rate of grey cast iron (ASTM 25) applicable to forging hammer guideways.
129	2015	Charanjeet Singh	Dr. Jasmaninder Singh Grewal	Solid particle erosion behavior of hard faced boiler cast iron.
130	2015	Pardeep Kumar	Dr.Jatinder Kapoor	Study the effect of abrasive and hydrofluoric acid in ultrasonic machining of plain glass material
131	2015	Sarbjeet Singh	Er. Gurmeet Kaur	Tool development and optimization of friction stir welding process to join pure copper.
132	2015	Karanjeet Singh	Dr.Jatinder Kapoor	Effect of welding process parameters on flux consumptions and metal deposition rate in submerged arc welding.
133	2015	Deepak Dhand	Dr.Sehijpal Singh	Experimental studies in fine finishing of balls.
134	2015	Sunil Kumar	Er.Aprinder Singh Sandhu	To study the performance of cryo-treated and multilayer coated cermet inserts during the dry turning of EN-24 steel
135	2015	Harminder Singh	Er.Gurmeet Kaur	Analysis of residual stresses in submerged arc welded mild steel plates
136	2015	Ramandeep	Dr.Sehijpal Singh	Parametric Studies on electromagnetic Peening of internal cylindrical surfaces
137	2015	Rakesh kumar	Dr.Sehijpal Singh	Multiobjective optimization for machining

				of C-20 steel using taguchi and grey analysis
138	2015	Amritpal singh viridi	Dr.Sehijpal Singh	An assessment of post processing operations on dies and moulds manufactured by EDM
139	2015	Harjinder Singh	Dr.Jatinder Kapoor	Experimental investigation for the effect of dry, wet and cryogenic conditions in turning of EN8 Steel
140	2015	Narinder singh	Er.Gurmeet Kaur	Wear behavior of hardfaced spring steel applicable on land leveler blade
141	2015	Loveneesh kumar dadwal	Dr.Jatinder Kapoor	Experimental investigation on ultrasonic machining of bullet resistant glass (type-B35) using mixed abrasive slurry
142	2015	Manjot Singh Bedi	Dr.Sehijpal Singh	Experimental investigation on modeling of surface grinding process: A green manufacturing approach
143	2015	Sandeep Singh	Dr.Sehijpal Singh	Magnetically assisted DE-Burring of small and thin components
144	2016	Vinod Kumar	Dr.Sehijpal Singh	Investigations into magnetic abrasive finishing of round flat surfaces
145	2016	Mohit Singla	Dr.Sehijpal Singh	Application of magnetic abrasive finishing for the surface improvement of carbide inserts
146	2016	Gaurav Garg	Er. Iqbal Singh Sharma	Study of tribological characteristics of Cu-Al <sub>2</sub> O <sub>3</sub> MMC prepared by powder metallurgy
147	2016	Gulvir singh	Dr.Sehijpal Singh	Development of radial swaging tool for cold working of inner surface of cylinder
148	2016	Ashutosh Goyal	Er.Gurmeet Kaur	Experimental investigation and optimization of process parameters involed in FSW of Al by doping of Al,Sb and Zn
149	2016	Gursharan Singh	Dr. Jasmaninder Singh Grewal	Investigation of DLC and AlCrN-6 used coating using PVD technique on AISI 304 and AISI 316 boiler steels with erosion
150	2016	Jashandeep Singh	Dr.Sehijpal Singh	Characterization of magnetic abrasives prepared by microwave Sintering
151	2016	Ranvijay Kumar	Dr. Rupinder Singh	Investigating the effects of process parameters on mechanical and metallurgical properties of friction welded reinforced dissimilar plastic materials
152	2016	Sudhir Kumar	Dr. Rupinder Singh	Plastic Waste Management by recycling of polymer with reinforcement of metal Powder
153	2016	Sukhinderpal Singh	Dr. Jasmaninder Singh Grewal	Wear behavior of DLC/AlCrN based coatings deposited on AISI D2 and AISI D3 die steels
154	2016	Vinay Kumar	Dr. Rupinder Singh	Experimental investigations for mechanical and metallurgical properties of friction stir welded recycled dissimilar polymer materials with metal powder reinforcement
155	2016	Manish Vijan	Dr. Jasmaninder Singh Grewal	Experimental investigation for mechanical and metallurgical properties of dissimilar materials welded joint made by resistance seam welding using single cover plate.
156	2016	Amrit Singh	Dr. Rupinder Singh	Investigating the effects of process

				parameters in Vacuum moulding
157	2016	Manoj Verma	Dr. Rupinder Singh	Experimental investigation on the wear properties of feed stock filament prepared from reinforced kitchen waste (Egg shell powder) in nylon6 matrix
158	2016	Kinderveer Singh	Dr. Jasmaninder Singh Grewal	Wear performance of detonation gun sprayed coatings applicable to thresher blades.
159	2016	Gagandeep Singh	Dr. Jasmaninder Singh Grewal	Effects of fibre volume fraction on dynamic properties of glass fibre reinforced polymer (GFRP) composite material.
160	2016	Dalwinder Singh	Dr.Sehijpal Singh	Parametric optimization of surface grinding with cryogenic coolant
161	2016	Jagmeet Singh	Dr.Sehijpal Singh	Effect of hybridization on mechanical properties of natural fiber reinforced polymer composites
162	2016	Mukesh Kumar	Dr.Sehijpal Singh	Characterization of magnetic abrasives prepared by sintering process
163	2016	Gurpreet Singh	Dr. Jasmaninder Singh Grewal	To develop and investigate aluminum matrix composite reinforced with iron powder using stir casting process
164	2016	Shikhar Khatri	Dr. Jasmaninder Singh Grewal	Experimental investigations for study of impact behavior of super duplex stainless steel F53 at subero temperatures
165	2016	Sumeet Rehal	Dr. Jasmaninder Singh Grewal	Effect of process parameters on mechanical properties of resistance seam welded AA6061 using cover plates
166	2016	Inderdeep Singh	Dr. Jasmaninder Singh Grewal	To study slurry erosion performance of uncoated and coated CF8M turbine steel
167	2016	Vishal Kaushal	Er. Chatwant Singh Pandher	Performance evaluation of uncoated and coated (TiN&TiA1N) cermet cutting inserts in hard turning of EN41B steel
168	2016	Tajinder Singh	Dr.Jatinder Kapoor	To study the effect of silica based yttrium cerium hybrid Sol-Gel coating on hot corrosion of Boiler steel,MS 210
169	2016	Amrinder Singh	Dr.Jatinder Kapoor	To study the high temperature corrosion resistance of cerium substituted silicate-Zirconium Sol-Gel protective coating on SS-304 boiler steel
170	2016	Atul babbar	Er. Parminderjeet Singh	Regression model and optimization of magnetic abrasive finishing of flat brass plate
171	2016	Rajinder Saini	Dr. Jatinder Kapoor	Effect of different cutting conditions on the performance of turning of EN-36 steel
172	2016	Gurdeep Singh	Dr.Sehijpal Singh	Optimization of process parameters on AISI H13 steel with cryogenic cooled copper electrode in EDM
173	2016	Manjinder Singh	Er. Parminderjeet Singh	Parametric optimization of vibration assisted magnetic abrasive finishing process
174	2016	Vijay Kumar Chadha	Dr. Jatinder Kapoor	Study the effect of flex tool on the performance of honing

175	2016	Gundeep Singh	Dr.Sehijpal Singh	Experimental investigation of machining parameters for near dry EDM using oxygen blended nitrogen gas with mineral oil of H13 Steel
176	2016	Amar Singh	Dr. Jatinder Kapoor	To study the mechanical properties of aluminum matrix composite reinforced with rice husk ash using stir casting process
177	2016	Parminder Singh	Dr. Rupinder Singh	Investigating the mechanical properties of feed stock filament prepared from Hap and Nylon-6 matrix for fused deposition modelling
178	2016	Amandeep Brar	Prof. Jaswinder singh	Experimental investigation of uncoated and coated insert in hard turning of EN-47 steel
179	2016	Ravinder Singh	Dr. Jatinder Kapoor	Effect of process parameters on performance measures in wire-cut EDM of nimonic-90 using two different wires
180	2016	Vijay Singh	Dr.Sehijpal Singh	Experimental investigations into turning of AZ91D magnesium alloy with air pressure coolant using response surface methodology
181	2017	Aashish Dhiman	Dr.Paramjit Singh Bilga	Analytical Modeling of input energy consumption, surface roughness and material removal rate in ball end milling operation
182	2017	Maninderpreet Singh	Dr. Jatinder Kapoor	Study the effect of different wire electrodes on machining characteristics of inconel825 with WEDM
183	2017	Ravinder Sharma	Dr.Rupinder Singh	Investigations for Development of 3D Scaffolds by using in –house FDM Filament comprising of PVC,PP and HAp
184	2017	Nishant Ranjan	Dr. Rupinder Singh	Experimental investigations for development of biocompatible feedstock filament comprising of PVC,PP and HAp for FDM
185	2017	Robin Thakur	Dr. Rupinder Singh	Experimental investigations for development of hybrid feed stock filament of fused deposition modeling from recycled nylon-TiO <sub>2</sub> (70-30%wt.) Blend
186	2017	Sahil Garg	Dr. Gurinder Singh Brar	Investigation of Residual Stresses by Contour And XRD Method in a Butt Welded Joint
187	2017	Balraj Singh	Dr. Gurinder Singh Brar	Experimental and finite element analysis of residual stresses induced during hot rolling in C45 steel grade
188	2017	Ajay Singh Jamwal	Dr. Gurinder Singh Brar	Optimizing the process parameters in friction crush welding of Aluminium alloy 6061-T6 by taguchi method
189	2017	Manpreet Singh	Dr. Gurinder Singh Brar	Friction crush Welding of AISI 304 Stainless Steel Sheet Metal Workpieces
190	2017	Saurabh Malpotra	Er. Apinder Singh Sandhu	Performance of Nylon-6 rod with Respect to Extrusion Process
191	2017	Amarveer Singh Mangat	Prof. Prem Singh	Characterization of natural fiber embedded bio-degradable porous structure prepared by additive manufacturing

192	2017	Pawandeep Singh	Dr. Jatinder Kapoor	Behaviour of Cr <sub>3</sub> C <sub>2</sub> -NiCr And Al <sub>2</sub> O <sub>3</sub> -40% TiO <sub>2</sub> coated SS-316 boiler steel with respect to low temperature hot corrosion and high temperature hot corrosion
193	2017	Ratanjot Singh Lamba	Er. Gurmeet Kaur	An Experimental Study on the shunting effect in resistance spot welding of mild steel.
194	2017	Abhishek Punn	Dr. Jasmaninder Singh Grewal	Development and investigating mechanical properties of biocomposite rod of polylactic acid reinforced with treated/untreated sisal fiber
195	2017	Amandeep Kumar	Dr. Jasmaninder Singh Grewal	Effect of slurry erosion on CF8M turbine steel
196	2017	Arun Shah	Dr. Jasmaninder Singh Grewal	Study the behavior of high temperature hot corrosion on uncoated and coated boiler Steel
197	2017	Mokham Singh	Dr. Sehijpal Singh	Experimental Studies of die change schedule in a forging industry: A case study
198	2017	Amritpal Singh	Dr.Harpuneet Singh	To investigate the effects of machining parameters on surface roughness and MRR for AISI-304 Stainless steel on CNC lathe
199	2017	Jeevesh Sharma	Dr. Jatinder Kapoor	Design and Development of multiroll burnishing tool for the surface finishing of aluminium 7075 cylinder liners.
200	2017	Gourav Sharma	Dr. Sehijpal Singh	Fine finishing of balls with biodegradeable media
201	2017	Arvind Kumar	Dr. Jatinder Kapoor	To study the performance of Al <sub>2</sub> O <sub>3</sub> and NiCr coatings with respect to high and low temperature hot corrosion of SS-304L boiler steel
202	2017	Gurdeep Singh	Dr. Gurinder Singh Brar	Muti-factor failure mode critical analysis using MCDM methods- A case Study in A construction industry
203	2017	Parminder Singh	Er. Apinder Singh Sandhu and Er. Amrinder Singh Pannu	Parametric optimization of extruded propylene rod and its investigation using finite element analysis
204	2017	Taranjit Singh	Er. Gurmeet Kaur &Dr. Jasmaninder Singh Grewal	Comparative Study of wear resistant coating and hardfacing on sand mixer blades
205	2017	Simranjit Singh	Dr. Paramjit Singh Bilga	Optimization of some energy consumption and weld quality response parameters in gas Tungsten arc welding
206	2017	Taranvir Singh Saini	Dr. Paramjit Singh Bilga	Optimization of some energy consumption and weld quality response parameters in gas metal arc welding
207	2017	Pooja Khanna	Dr. Gurinder Singh Brar	An Experimental investigation and parametric optimization of roller burnishing process on gunmetal bush
208	2017	Avilash Sharma	Dr. Sehijpal Singh & Er.Ardamanbir Sidhu	Multi-objective optimization of cutting parameters to minimize energy consumption in dry turning of AISI-4140 alloy steel

209	2018	Lovelesh Seth	Dr. Jasmaninder Singh Grewal	Application of failure mode critical analysis in concrete mix batching plant using MCDM methods
210	2018	Pardeep Lohat	Dr. Jatinder Kapoor	Surface integrity evaluation of AISI-D3 material with different wire electrodes by finish trim cuts in wire-EDM.
211	2018	Parminder Singh	Dr. Gurinder Singh Brar	Study of Temperature Distribution and hardness in sleeve welding of in-service petroleum pipeline
212	2018	Harjeet Singh	Dr. Gurinder Singh Brar	Optimization of process parameters in friction welding of AISI-304 To AISI-4140
213	2018	Hardeep Singh	Dr. Gurinder Singh Brar	Finite Element simulation of friction crushes welding of AISI-304 stainless steel.
214	2018	Amritjot Singh	Dr. Gurinder Singh Brar	Implementation of six sigma in sewing machine parts manufacturing unit-A case study.
215	2018	Jagmeet Singh	Dr. Harwinder Singh	Application of lean manufacturing using value stream mapping with simulation in an automotive manufacturing unit: A case study
216	2018	Rohit Kumar	Dr. Jasmaninder Singh Grewal	Experimental analysis of twin wire electric arc spray coatings of Ni20Cr and FeCrBSr on SS-304 & T91 boiler materials using air jet erosion tester.
217	2018	Paramvir Singh	Dr. Rupinder Singh	Investigating the effect of multi-material printing on mechanical properties of structural engineering applications.
218	2018	Harpreet Singh	Dr. Rupinder Singh	Development of 3D printed dry cell using polymeric waste.
219	2018	Mahendra Kumar	Dr. Jatinder Kapoor & Er. Gurmeet Kaur	Experimental investigation into weld quality of mild steel 1040 by autogenous tungsten inert gas (TIG) Welding
220	2018	Karanvir Singh	Er. Jaswinder Singh	CFD analysis of liquid Sloshing in an elliptical tank
221	2018	Anmol singh Mangat	Er. Harnam Singh Farwaha	Parametric optimization of electrochemical Machining
222	2018	Pardeep Singh	Dr. Shejpal Singh	Design & Development of Anti-skid bias tyre
223	2018	Rahul	Er. Gurmeete Kaur	Experimental Study on the Shunting effect in resistance Spot Welding of SS 304
224	2018	Pawandeep Singh	Dr. Jasmaninder Singh Grewal	Study the behaviour of mechanical properties by using different tool shapes in single sided and double sided friction stir welding on aluminum based alloy
225	2018	Harmanraj Singh	Dr. Sehijpal singh	Study the wear behavior in drilling of EN-8 using dry cutting, conventional coolant and vortex tube
226	2018	Rajesh Kumar	Dr. Sehijpal singh	Redesigning and development of injection mould tool for sewing thread winder cone.
227	2019	Jaskaran Singh Kang	Dr. Rupinder Singh	PLA-PEKK-Hap-CS composite scaffold joining with friction stir spot welding

228	2019	Inderpreet singh	Dr. Rupinder Singh	Waste thermosetting polymer and ceramic as reinforcement in thermoplastic matrix for sustainability: Thermo-mechanical investigation
229	2019	Gurchetan Singh	Dr. Rupinder Singh	Fused Deposition Modeling of PLA-PEKK-Hap-CS composite for biomedical applications
230	2019	Prabhjot Singh	Dr. Harmeet Singh	Investigation of the electrochemical corrosion behavior for composite coating
231	2019	Manavdeep Singh	Er. Prem Singh	Investigation of mechanical properties of Wheat straw fiber reinforced polyurethane composite
232	2019	Gurdeep Singh	Dr. Jasmaninder Singh Grewal	Performance of nano coated AlCrN rotavator blades(EN-19) with respect to abrasive wear
233	2019	Saravjot singh	Dr. Jasmaninder Singh Grewal	Behaviour of nanostructured AlCrN coatings deposited on boiler stainless steel(SS304) with respect to erosion
234	2019	Gurmail singh	Er. Sukhinderpal Singh	An effective approach to analyse the effects of vibration in rotating machines using matlab
235	2019	Sumeet Sharma	Dr. Sehijpal singh	Fabrication and characterization of waste woven cotton and wood dust reinforced epoxy composite
236	2019	Jagroop Singh Bhatti	Dr. Jatinder Kapoor	Investigation of the mechanical properties of epoxy resin with reinforcement of carbon and Bakelite material
237	2019	Gurjeet Singh	Er. Amrinder Singh Pannu	Experimental investigations of mechanical properties of sheep wool and woven jute reinforced epoxy composite
238	2019	Sandeep Singh	Er. Gurmeet Kaur	Finite Element Analysis of MIG Welded Pipe Joints
239	2019	Daljit Singh	Dr. Jatinder Kapoor	Performance investigation of magnetic abrasives prepared by sintering process
240	2019	Gurbakhshish Singh	Er. Gurmeet Kaur	Investigate microstructural and mechanical properties of mild steel weld joint by combined MIG& TIG Welding
241	2019	Khalid Bashir Wani	Dr. Jasmaninder Singh Grewal	Slurry erosion behavior of TiAlN nanocoating deposited on turbine steels
242	2019	Shahid Hassan Bhat	Dr. Jasmaninder Singh Grewal	Performance of Aluminium based coatings with varying percentage of Titanium with respect to slurry erosion
243	2019	Rahul Blotra	Dr. Jasmaninder Singh Grewal	Investigation of Aluminium and chromium based coatings with respect to slurry erosion applicable to turbine steel
244	2019	Manpreet Singh	Dr. Jasmaninder Singh Grewal	Performance of wear resistant nano coatings on high tensile steel rotavator blades
245	2019	Suresh Kumar Kashyap	Dr.Jagdeep Singh	Implementation of quality Management System (ISO 9001:2015) in the investment casting industry –A case study

246	2019	Arun Kumar	Dr. Jasmaninder Singh Grewal	Erosive behavior of TiAlN nano coatings deposited on SS-304 stainless steel applicable to boiler tubes
247	2019	Randeep Singh	Er. Harnam Singh Farwaha	Parametric optimization of electrochemical magnetic abrasive machining
248	2020	Jatinder Singh	Dr. Jasmaninder Singh Grewal	Comparison of wear behavior of Ni Al <sub>2</sub> O <sub>3</sub> thermal cold and HVOF spray coatings deposited on SS316
249	2020	Saminderpreet Singh	Dr. Jasmaninder Singh Grewal	Erosion wear performance of HVOF and Cold spray coatings deposited on T-91 boiler steel
250	2020	Mohit Singh	Dr. Jasmaninder Singh Grewal	Investigation on almond skin reinforced PLA composite based 3D functional prototype
251	2020	Pardeep Singh	Dr. Jasmaninder Singh Grewal	Study the behavior of wear resistant coatings of Al-Si & Ni-Cr deposited on EN-19 applicable to rotavator blades.
252	2020	Ramanpreet Singh	Er. Amrinder Singh Pannu	Study of factors affecting implementation of AMT's in industries.
253	2020	Gurpreet Singh	Er. Gurmeet Kaur	Study the effect of process parameters of friction crush welding of AISI 316 and AISI 304 stainless steels.
254	2020	Vikramjit Singh	Dr. Jagdeep Singh	Maintenance management beverage industry by using multi-criteria decision making.
255	2021	Shivi Joshi	Er. Prem Singh	An experimental investigation on friction crush welding of SS-304 with AISI -1015
256	2021	Gulshan Kumar	Dr. Jatinder Kapoor	Experimental investigation on steel post shores (Made from S 355 & S235 material grades) strength by load testing.
257	2021	Ravinder Singh	Dr. Sehijpal Singh	Performance evaluation of vortex assisted roller burnishing tool.
258	2021	Jaskaran Singh	Dr. Harmeet Singh Er. Harnam Singh Farwaha	Experimental investigation of ultrasonic assisted electrolytic magnetic abrasive finishing.
259	2021	Barinder Pal Singh Kaler	Dr. Jagdeep Singh	Study and implementation of Six-Sigma in automobile transmission parts manufacturing unit.
260	2021	Vikas Kumar	Dr. Sehijpal Singh	Experimental investigation of ultrasonically assisted electrochemical machining on SS316.
261	2021	Tasveer kaur	Dr. Jasmaninder Singh Er. Arshpreet Kaur Er. Gurwant Singh	Wear Behavior of TiAlN coated steel balls with respect to different environmental conditions.
262	2021	Avtar Singh	Dr. Jasmaninder Singh Prof. (Dr.) Vikas Chawla	Development and characterization of HA+Zirconia reinforced microwave assisted biomedical cladding on stainless steel 316L.
263	2021	Arun Sharma	Dr. Jasmaninder Singh Prof. (Dr.) Vikas Chawla	Microwave processing and characterization of Alumina reinforced HA cladding for biomedical applications.

264	2021	Vinay Kumar	Dr. Jatinder Kapoor & Er. Satwant Singh	Multi-Response optimization of ultrasonic vibration assisted electrochemical machining using RSM.
265	2021	Jasdeep Singh	Dr. Jagdeep Singh Er. Gulraj Singh	Development of ABS-BAK-MMA composite for fused filament fabrication in additive manufacturing
266	2021	Rahul Kumar Poddar	Dr. Harwinder Singh	Experimental Analysis of Occupational Whole Body Vibration Exposure Among Tractor Driver During Loader Operation.
267	2022	Pawanpreet	Dr. Jasmaninder Singh Dr. Rupinder Singh Er. Gulraj Singh	Experimental investigation on flexural, compression and morphological features of 3D printed almond skin powder reinforced PLA matrix.
268	2022	Jatinderpal Singh	Dr. Sehijpal Singh	Implementation of quality management system (IATF 16949: 2016) in the auto parts manufacturing industry –A case study.