

PHD GUIDED BY MECHANICAL ENGINEERING FACULTY

S. No.	Name	Reg. No.	Department / Subject	Title of Ph.D thesis	Supervisor	Co Supervisor(if any)	Completion Date	Faculty
1	Inderpreet Singh Ahuja	PUP(Phd)2005-44	Mechanical Engineering	Strategic implementation of Total Productive Maintenance in Indian Manufacturing Industry for Enhanced Competitiveness	Dr. J.S. Khamba		22.12.2008	Engineering & Technology
2	Harpuneet Singh	PUP(Ph.D.)2007-142	Mechanical Engineering	A study of Power System Reliability and its impact on Steel Industry in Punjab	Dr. R.K. Sehgal	Dr. Navjot Kaur	23.12.2009	Engineering & Technology
3	Vinod Kumar	120-PUP(Ph.d)2007	Mechanical Engineering	Development and Characterization of Fluxes for Submerged Arc Welding	Dr. J.S. Khamba	Dr. N.M. Suri	09.12.2010	Engineering & Technology
4	Tejeet Singh	99-PUP(Ph.d)2007	Mechanical Engineering	Modeling and Analysis of Creep in Composite Cylinders	Dr. V. K. Gupta		09.12.2010	Engineering & Technology
5	Jasminder Singh Dureja	131-PUP(Ph.d)07	Mechanical Engineering	Performance Evaluation of Cutting Tools for Hard to Machine Tool Steels	Dr. V.K.Gupta	Dr. V.S. Sharma	01.04.2010	Engineering & Technology
6	Harvinder Singh	47-BBSE(FS)93	Mechanical Engineering	A study to improve the Utilization of New Technologies in Manufacturing Industry	Dr. J.S.Khamba		12.07.2010	Engineering & Technology
7	Balraj Singh	PUP(Ph.D)2007-140	Mechanical Engineering	Fatigue Life Evaluation of Heat Treated and PVD Coated Low Alloy Steels	Dr. V.K. Gupta		15.12.2011	Engineering & Technology
8	Sanjeev Saini	PUP(Ph.D)2009-252	Mechanical Engineering	Residual Stress Modeling for Hard Turning	Dr. Inderpreet Singh Ahuja	Dr. V.S. Sharma	22.08.2012	Engineering & Technology
9	Dharpal Deepak	PUP(Ph.D)2008-179	Mechanical Engineering	Creep Deformation and Stress Analysis in Rotating Disks of Composite Materials	Dr. V.K. Gupta	Dr. A.K. Dham	31.01.2012	Engineering & Technology
10	JATINDER KAPOOR	PUP(PH.D)08-183	Mechanical Engineering	Effect of Cryogenic treated Brass Wire on the Performance of Wire Electrical Discharge Machine	Dr. J.S.Khamba	DR. SEHJPAL SINGH	01.04.2013	Engineering & Technology

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11	Kanwarpreet Singh	PUP(Ph.D.)09-259	Mechanical Engineering	Manufacturing Performance Enhancement through Total Quality Management and Total Productive Maintenance Paradigms	Dr. Inderpreet Singh Ahuja		12.11.2013	Engineering & Technology
12	DOORDARSHI SINGH	PUP(Ph.d)2009-266	Mechanical Engineering	Impact of Dynamic Capabilities in Managing Strategic Flexibility In Manufacturing Industry	Dr. Inderpreet Singh Ahuja	DR. JASPREET SINGH OBEROI	12.11.2013	Engineering & Technology
13	SANJIV KUMAR JAIN	PUP(PH.D)2009-253	Mechanical Engineering	An Investigation of Relationship Between ISO 9000 Quality System and Business Performance in Indian Manufacturing Industry	Dr. Inderpreet Singh Ahuja		07.03.2014	Engineering & Technology
14	BEANT SINGH	PUP(PH.D)2010-08	Mechanical Engineering	Experimental Study of Inter Phase Heat Transfer between Solid and Liquid Phases for Cyclic Heating-Cooling of Porous Media	Dr. Chanpreet Singh		07.03.2014	Engineering & Technology
15	Gurinder Singh	BC(F)81-710	Mechanical Engineering	Evaluation of Just In Time Practices and its Implications in Indian Manufacturing Industry	Prof. Inderpreet Singh Ahuja		22.08.2014	Engineering & Technology
16	Rajesh Kumar	PUP(PH.D.)2009-260	Mechanical Engineering	Investigation for Optimizing Shell wall thickness in Three Dimensional Printing for Light Alloy Casting	Dr. Inderpreet Singh Ahuja	Dr. Rupinder Singh	02.12.2015	Engineering & Technology
17	Jagjit Singh	PUP(PH.D)2010-16	Computer Engg	Impact of Telemedicine: Analysis of Technological Components in Discrete Telemedicine Networks	Dr. Chanpreet Singh		28.03.2016	Engineering & Technology
18	Parlad Kumar	UCE(P)2010-744	Mechanical Engineering	Investigating The Mechanical and Metallurgical Properties of Hybrid Investment Casting	Dr. Inderpreet Singh Ahuja	Dr. Rupinder Singh	14.07.2016	Engineering & Technology
19	Chandan Deep Singh	7141-11-104	Mechanical Engineering	Impact of Manufacturing Competency on Strategic Success of Automobile Industry	Dr. J.S.Khamba		15.11.2016	Engineering & Technology
20	Davinder Singh	7141-11-106	Mechanical Engineering	An evaluation of Technological Innovation Initiatives of MSMES In North India	Dr. J.S.Khamba	DR. Tarun Nanda	15.11.2016	Engineering & Technology

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21	Lakshya Aggarwal	7141-11-105	Mechanical Engineering	Fabrication and Characterization of Hybrid Composites of Recycled Polymer and Natural Fibers	Dr. V.K. Gupta	Dr. Shishir Sinha	26.05.2017	Engineering & Technology
22	KanwalJeet Singh	7141-13-116	Mechanical Engineering	Experimental Investigation into Ultrasonic Machining of Polycarbonate Bullet Proof Glass and Acrylic Heat Resistant Glass	Dr. Inderpreet Singh Ahuja	Dr. Jatinder Kapoor	06.02.2018	Engineering & Technology
23	Jugraj Singh Randhawa	7141-14-1473	Mechanical Engineering	Evaluation of 5S Implementation in Indian Manufacturing Industry: Contextual Factors and impact on Business Performance	Dr. Inderpreet Singh Ahuja		13.03.2018	Engineering & Technology
24	AnujSingla	UCE(p)2004-169	Mechanical Engineering	Transitions between Technology-Push and Demand-Pull Strategies for Sustainable Development in Manufacturing Industry	Dr. Inderpreet Singh Ahuja	DrAmanpreet Singh Sethi	07.08.2018	Engineering & Technology
25	Manish Goyal	61-GE(B)93	Mechanical Engineering	Investigations on the role of Ceramic Coatings on Boiler Steels subjected to high temperature degradation	Dr. Buta Singh Sidhu	Dr. Vikas Chawla	21.11.2018	Engineering & Technology
26	Manjit Singh		Mechanical Engineering	Energy transport in an unsaturatued porous media by using a fluid film	Dr.Chanpreet Singh	Dr.D.Gangacharyulu	02.01.2019	Engineering & Technology
27	Narinder Singh	7141-15-1170	Mechanical Engineering	Investigations for Metal Matrix Composite prepared by using Waste Polymer based Sacrificial Rapid Pattern in Investment Casting	Dr. Inderpreet Singh Ahuja	Dr. Rupinder Singh	02.01.2019	Engineering & Technology
28	PiyushBedi	7141-15-1171	Mechanical Engineering	Investigations for Rapid Tooling prepared with waste polymer based Hybrid Filament	Dr. Inderpreet Singh Ahuja	Dr. Rupinder Singh	22.01.2019	Engineering & Technology
29	KhushdeepGoyal	7141-13-1117	Mechanical Engineering	High Temperature Degradation Behaviour of Thermal Sprayed Carbon Nanotubes Reinforced Coatings on Boiler Steel	Dr. Hazoor Singh	Dr. Rakesh Bhatia	22.01.2019	Engineering & Technology
30	Talwinder Singh	7141-12-1112	Mechanical Engineering	Environment Friendly Machining of Aerospace Alloys (Ni - Cr Based) under Minimum Quantity Lubrication (MQL) Conditions for	Dr. Jasminder Singh Dureja	Dr. Manu Dogra	02.04.2019	Engineering & Technology

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				Sustainable Development				
31	Pragat Singh	UCE(P)2009-689	Mechanical Engineering	Performance evaluation of Minimum Quantity Lubrication (Mql) During Milling of Sticky Materials	Dr. Jasminder Singh Dureja	Dr. Harwinder Singh	30.07.2019	Engineering & Technology
32	Baljinder Ram	7141-12-1113	Mechanical Engineering	Development and Characterization of Magnesium Based Metal Matrix Composites	Dr. Dharampal Deepak	Dr. NirajBala	05.09.2019	Engineering & Technology
33	Ranvijay Kumar	7141-16-1234	Mechanical Engineering	Welding of Dissimilar Plastic based Materials by using Hybrid Filament of Fused Deposition Modelling	Dr. Inderpreet Singh Ahuja	Dr. Rupinder Singh	30.01.2020	Engineering & Technology
34	Sukhjinder Singh Sandhu	7141-11-103	Mechanical Engineering	Analysis of Creep in Spherical Pressure Vessels Made of Functionally Graded Composite	Dr. Vinay Kumar Gupta	Dr. Tejeet Singh	06-03-2020	Engineering & Technology
35	Rupinder Singh	UCE(P)2010-726	Mechanical Engineering	Environmental Friendly Machining of Aerospace Alloys	Dr. Jasminder Singh Dureja	Dr. Manu Dogra	06-03-2020	Engineering & Technology
36	Avtar Singh	YCE(TS)2005-142	Mechanical Engineering	Influence of Process Parameters on Friction Stir Welding of Aluminium Alloy with Interlayer	Dr. Vinod Kumar	Dr. Neel Kanth Grover	06-03-2020	Engineering & Technology