



**J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA, FARIDABAD**  
(Formerly Ymca University of Science and Technology, Faridabad)  
(NAAC Accredited 'A' Grade State Govt. University)

**Detail of Ph.D. awarded in the Department of Mechanical Engineering**

S. No.	Name of the PhD scholar	Name of the Department	Name of the guide/s	Title of the thesis	Year of registration of the scholar	Year of PhD awarded	PhD Notification Number	PhD Notification Date
1	Mr. Rajesh Kumar Attri	Mechanical Engineering	Dr. Sandeep Grover	Design and Development of Quality Enabled System in Life Cycle of Production System	2011	2016	1	11.04.2016
2	Mr. Mahesh Chand	Mechanical Engineering	Dr. Tilak Raj & Dr. Ravi Shankar	Study of Select Issues of Uncertainty and Risk Management in Supply Chain	2011	2016	1	11.04.2016
3	Mr. Devdutt	Mechanical Engineering	Dr. M.L. Aggarwal	An Investigation of Effectiveness and Damping Capabilities of Hydraulic Shock Absorbers	2011	2016	1	11.04.2016
4	Mr. Om Prakash Mishra	Mechanical Engineering	Dr. Vikas Turk & Dr. Dixit Garg	Applicability of JIT in Supply Chain of Indian Industries	2011	2016	1	11.04.2016
5	Mr. Vinod Kumar	Mechanical Engineering	Dr. Vikas Kumar & Dr. Kamal Kumar	Study of Machining Characteristics in Wire Electrical Discharge Machining of Nickel Based Alloy	2012	2016	4	22.09.2016
6	Mr. Virender Narula	Mechanical Engineering	Dr. Sandeep Grover	Development, Application and Comparison of Six Sigma Methodology in Service Industry	2011	2016	5	29.11.2016
7	Mr. Krishan Kumar	Mechanical Engineering	Dr. M.L. Aggarwal	Computer Aided Engineering Analysis and Optimization of Conventional Leaf Spring	2011	2016	5	29.11.2016
8	Mr. Neeraj Sharma	Mechanical Engineering	Dr. Tilak Raj & Dr. Kamal Kumar	Experimental Investigation of Mechanical, Wear and Biocompatible Properties of Nickel-Titanium Alloy	2013	2017	6	20.01.2017



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9	Mr. Vineet Jain	Mechanical Engineering	Dr. Tilak Raj	Performance Analysis of Flexible Manufacturing System Using Metaheuristics	2012	2017	6	20.01.2017
10	Mr. Rajesh Kumar	Mechanical Engineering	Dr. Raj Kumar & Dr. S.C. Kaushik	Finite Time Thermodynamic and Thermo-economic Analysis of Thermal Energy Conversion Systems	2012	2017	6	20.01.2017
11	Mr. Bhupender Singh	Mechanical Engineering	Dr. Sandeep Grover & Dr. Vikram Singh	Development of Benchmarking Model in Select Service Industry	2012	2017	9	30.05.2017
12	Mr. Rakesh Kumar	Mechanical Engineering	Dr. Vikas Kumar	Impact of Lean Manufacturing on Organisational Performance of Indian Industries	2011	2017	10	05.07.2017
13	Mr. Anil Kumar	Mechanical Engineering	Dr. Raj Kumar	Experimental Investigation of Hybrid Cold Storage cum Power Generator	2012	2017	10	05.07.2017
14	Mr. Rahul Sindhwani	Mechanical Engineering	Dr. Vasdev Malhotra	An Integrated Framework to Analyze the Implementation strategies for Agile Manufacturing System	2013	2017	10	05.07.2017
15	Ms. Suman	Mechanical Engineering	Dr. Tilak Raj	Study of Some Selected Issues in the Design and Development of Flexible Manufacturing System	2012	2017	11	12.10.2017
16	Mr. Mukesh Gupta	Mechanical Engineering	Dr. Raj Kumar	Optimisation of a Coal Fired Thermal Power Plant using Thermo-economic Technique	2011	2017	13	23.11.2017
17	Mr. Gurpreet Singh	Mechanical Engineering	Dr. Sanjeev Goyal	Fabrication and Experimental Analysis of Aluminium Composites and Optimization of Process Parameters	2013	2017	15	27.12.2017
18	Mr. Anil Kr. Aggarwal	Mechanical Engineering	Dr. Vikram Singh & Dr. Sanjeev Kumar	Design and Development of Decision support Systems for a Process Plant	2011	2018	18	06.06.2018
19	Mr. Surinder Kumar	Mechanical Engineering	Dr. Tilak Raj	To Analysis Material Handling, Tooling and Social Issues of Flexible Manufacturing System	2011	2018	20	15.10.2018



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20	Mr. Lokesh Upadhyay	Mechanical Engineering	Dr. M.L. Aggarwal	Experimental Investigations and Analysis of Magnetorheological Fluid Based Electric Discharge Machining Process	2013	2018	20	15.10.2018
21	Mr. Tarun Kumar Gupta	Mechanical Engineering	Dr. Vikram Singh	Development of a system based model to measure service quality in supply chain	2011	2018	20	15.10.2018
22	Mr. Naveen Virmani	Mechanical Engineering	Dr. Rajeev Saha & Dr. Rajeshwar Sahai	Effective Decision Support System for Leagile Manufacturing in Select Indian Industries	2013	2019	22	06.02.2019
23	Ms. Parinam Naga Sandhya	Mechanical Engineering	Dr. Tilak Raj	Analysis of Planning, Design and Operational Issues of Flexible Manufacturing System	2011	2019	23	14.02.2019
24	Mr. Sanjay Kumar	Mechanical Engineering	Dr. Sandeep Grover & Dr. R.S. Walia	Development of Hybrid Electrical Discharge Machining	2013	2019	25	01.04.2019
25	Mr. Rajender Kumar	Mechanical Engineering	Dr. Vikas Kumar & Dr. Sultan Singh	Relationship Among Principles of Lean Manufacturing, Supply Chain Characteristics, Manufacturing Strategies and Performance	2013	2019	25	01.04.2019
26	Mr. Sanjay Kumar	Mechanical Engineering	Dr. Vasdev Malhotra & Dr. Vikas Kumar	Analysis and Implementation of Cellular Manufacturing System and its impact on Manufacturing flexibility	2013	2019	27	18.07.2019
27	Mr. Dhairya Pratap Singh	Mechanical Engineering	Dr. Vikram Singh & Dr. Sudhir Kumar	Fabrication, Characterization and Welding of AA7075 Metal Matrix Composite Using FSW Process	2011	2019	28	20.08.2019
28	Mr. Gaurav	Mechanical Engineering	Dr. Raj Kumar	Thermoeconomic Analysis of Refrigeration systems with alternate Refrigerants	2012	2019	29	26.09.2019
29	Mr. Kailash	Mechanical Engineering	Dr. Rajeev Saha & Dr. Sanjeev Goyal	Benchmarking of Internal Supply Chain Management in select Indian Manufacturing Industries	2013	2019	30	18.12.2019



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30	Mr. Rajender Kumar	Mechanical Engineering	Dr. Vikram Singh & Dr. Sudhir Kumar	Optimization of Process Parameters of Welded Joint Produced by Compound	2012	2019	30	18.12.2019
31	Mr. Atul Sharma	Mechanical Engineering	Dr. M.L. Aggarwal	Comparative Analysis of Metal Matrix Composite and Fiber Reinforced Polymer Composite for a Gear	2013	2020	31	26.02.2020
32	Mr. Vivek Sharma	Mechanical Engineering	Dr. Sandeep Grover and Dr. S.K. Sharma	Application and Effectiveness of Quality Tools and Techniques in Select Manufacturing Industries	2013	2021	38	19.02.2021
33	Mr. Sachin Gupta	Mechanical Engineering	Dr. Arvind Gupta and Dr. Munish Gupta	Augmentation of Heat Transfer in Internal Flow	2013	2021	38	19.02.2021
34	Mr. Subrata Kumar Patra	Mechanical Engineering	Dr. Tilak Raj & Dr. B.B. Arora	Analysis of Energy Efficient Sustainable Manufacturing Systems	2011	2021	41	14.07.2021
35	Mr. Sandeep Handa	Mechanical Engineering	Dr. Tilak Raj & Dr. Sandeep Grover	Study of Issues Related to Green Manufacturing	2012	2021	43	24.09.2021
36	Mr. Suresh Kumar	Mechanical Engineering	Dr. M.L. Aggarwal & Dr. Lakhwinder Singh	Stress Evaluation Technique of Helical Spring with Modified Design Parameters	2013	2021	44	06.10.2021
37	Mr. Nitin Panwar	Mechanical Engineering	Dr. Sanjeev Kumar	Development of Advance Maintenance Planning and Resource Allocation System for Industrial Process	2015	2021	45	26.10.2021
38	Mr. Ritesh Sharma	Mechanical Engineering	Dr. Sanjeev Kumar and Dr. Rajeev Saha	Correlation of Surface Finish and Process Parameters in Laser Sintering Rapid Prototyping Technique	2013	2021	46	16.11.2021
39	Mr. Kanwar Pal	Mechanical Engineering	Dr. Arvind Kumar Gupta	CFD Modelling for Particulate Flow Through Straight Pipeline	2012	2022	49	05.05.2022