

YMCA University of Science and Technology, Faridabad

Department : Mechanical Engineering

S.No.	Faculty	Department	Name of the Supervisor	Name of the Ph.D. Scholar with Unique ID/ Photo ID	Mode of Ph.D. (Full Time/Part Time)	Registration Number	Date of Registration	Research Topic	Likely date of completion of Ph.D.	Availing Fellowships Yes/No	Funding Agency of Fellowship
1	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vikram Singh	Anil Kumar Aggarwal	Part Time	YMCA/Ph20/2010	4th May 2011	Design and Development of Decision Support Systems for a Process Plant	Thesis submitted	No	NA
2	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. M.L. Aggarwal	Devdutt	Part Time	YMCA/Ph21/2010	4th May 2011	An Investigation of Effectiveness and Damping Capabilities of Hydraulic Shock Absorbers	completed	No	NA
3	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vikram Singh	Dhairya Pratap Singh	Part Time	YMCA/Ph22/2010	4th May 2011	Some Studies of Friction Stir Welding on Aluminium Metal Matrix Composite		No	NA
4	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Raj Kumar	Kavita Goel	Part Time	YMCA/Ph23/2010	4th May 2011	Exergetic Cost Based Optimization of 500MW Thermal Power Plant		No	NA
5	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. M.L. Aggarwal	Krishan Kumar	Part Time	YMCA/Ph24/2010	4th May 2011	Computer Aided Engineering Analysis and Optimization of a Conventional Leaf Spring	completed	No	NA

6	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Tilak Raj	Mahesh Chand	Part Time	YMCA/Ph2 5/2010	4th May 2011	Study of Select Issues of Uncertainty and Risk Management in Supply Chain	completed	No	NA
7	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Raj Kumar	Manmohan kakkhar	Part Time	YMCA/Ph2 6/2010	4th May 2011	Performance Evaluation of Thermal Power Plants		No	NA
8	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Raj Kumar	Mukesh Gupta	Part Time	YMCA/Ph2 7/2010	4th May 2011	Optimization of a Coal Based Thermal Power Plant using Thermo economic Technique	pre-phd viva completed	No	NA
9	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vikas Kumar	Om Prakash Mishra	Part Time	YMCA/Ph2 8/2010	4th May 2011	Applicability of JIT in Supply Chain of Indian Industries	completed	No	NA
10	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Tilak Raj	Parinam Naga Sandhya	Part Time	YMCA/Ph2 9/2010	4th May 2011	Analysis of Planning, Design and Operational Issues of Flexible Manufacturing System		No	NA
11	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Sandeep Grover	Rajesh Kumar Attri	Part Time	YMCA/Ph3 0/2010	4th May 2011	Design and Development of Quality Enabled System in Life Cycle of Production System	completed	No	NA
12	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vikas Kumar	Rakesh Kumar	Part Time	YMCA/Ph3 1/2010	4th May 2011	Impact of Lean Manufacturing on Organisational Performance of Indian Industries	completed	No	NA
13	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Tilak Raj	Surinder Kumar	Part Time	YMCA/Ph3 2/2010	4th May 2011	To Analyze Material Handling, Tooling and Social Issues of Flexible Manufacturing System		No	NA

14	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vikram Singh	Tarun Kumar Gupta	Part Time	YMCA/Ph33/2010	4th May 2011	Development of a System Based Model to Measure Service Quality in Supply Chain	pre-phd viva completed	No	NA
15	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Sandeep Grover	Virender Narula	Part Time	YMCA/Ph34/2010	4th May 2011	Development, Application and Comparison of Six Sigma Methodology in Service Industry	completed	No	NA
16	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. M. L. Aggarwal	Pawan Kumar	Part Time	YMCAUST/Ph29/2011	28th Feb. 2012	Investigation of various Surface Treatments on Gear Failures		No	NA
17	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Tilak Raj	Sandeep Handa	Part Time	YMCAUST/Ph30/2011	28th Feb. 2012	Study of Issues related to Green Manufacturing		No	NA
18	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vikas Kumar	Vinod Kumar	Part Time	YMCAUST/Ph31/2011	28th Feb. 2012	Study of Machining Characteristics in Wire Electrical Discharge Machining of Nickel Based Alloy	completed	No	NA
19	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Tilak Raj	Suman	Part Time	YMCAUST/Ph32/2011	28th Feb. 2012	Study of Some Select Issues in the Design & Development of Flexible Manufacturing System	pre-phd viva completed	No	NA
20	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Tilak Raj	Vineet Jain	Part Time	YMCAUST/Ph33/2011	28th Feb. 2012	Performance Analysis of Flexible Manufacturing System using Metaheuristics	completed	No	NA
21	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Tilak Raj	Subrata Kumar Patra	Part Time	YMCAUST/Ph34/2011	28th Feb. 2012	Analysis of Energy Efficient Sustainable Manufacturing System		No	NA
22	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Raj Kumar	Anil Kumar	Part Time	YMCAUST/Ph35/2011	28th Feb. 2012	Investigation of Hybrid Cold Storage cum Power	pre-phd viva completed	No	NA

23	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Raj Kumar	Rajesh Kumar	Part Time	YMCAUST /Ph36/2011	28th Feb. 2012	Thermoeconomic Analysis of Refrigeration Systems with Alternate Refrigerants		No	NA
24	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Raj Kumar	Gaurav	Part Time	YMCAUST /Ph37/2011	28th Feb. 2012	Finite Time Thermodynamics & Thermo-Economic Analysis of Thermal Energy Conversion Systems		No	NA
25	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vikas Kumar	Surender Singh	Part Time	YMCAUST /Ph38/2011	28th Feb. 2012	Condition Monitoring of Rotary Machines		No	NA
26	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Sandeep Grover	Bhupender Singh	Part Time	YMCAUST /Ph39/2011	28th Feb. 2012	Development of Benchmarking Model in Select Service Industry	completed	No	NA
27	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vikram Singh	Mandeep Singh	Part Time	YMCAUST /Ph40/2011	28th Feb. 2012	Mathematical Modelling & Optimization of Process Parameters of CNC Milling		No	NA
28	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vikram Singh	Rajender Kumar	Part Time	YMCAUST /Ph41/2011	28th Feb. 2012	Optimization of Process Parameters of Welded Joint Produced by Compound Casting		No	NA
29	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. M.L. Aggarwal	Lokesh Upadhyay	Part Time	YMCAUST /Ph26/2012	12th Feb. 2013	Experimental Investigations and Analysis of Magnetorheological Fluids based Electric Discharge Machining Process		No	NA

30	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Navdeep Malhotra	Dharmender	Part Time	YMCAUST /Ph27/2012	12th Feb. 2013	Fabrication and Characterization of Natural Fibre Reinforced Polymer Composite		No	NA
31	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Sandeep Grover	Vivek Sharma	Part Time	YMCAUST /Ph28/2012	12th Feb. 2013	Application and Effectiveness of Quality Tools and Techniques in select Manufacturing Industries		No	NA
32	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Kamal Kumar	Neeraj Sharma	Part Time	YMCAUST /Ph29/2012	12th Feb. 2013	Experimental Investigation of Mechanical Wear and Bio-Compatible Properties of Nickel-Titanium Alloy		No	NA
33	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vikas Kumar	Rajender Kumar	Part Time	YMCAUST /Ph30/2012	12th Feb. 2013	Relationship among principles of Lean Manufacturing, Supply Chain Characteristics, Manufacturing Strategies and Performance		No	NA
34	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vikram Singh	Desh Deepak Johri	Part Time	YMCAUST /Ph31/2012	12th Feb. 2013	Some Studies of Process Parameters of Friction Stir Spot Welding		No	NA
35	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Navdeep Malhotra	Ritesh Sharma	Part Time	YMCAUST /Ph32/2012	12th Feb. 2013	Correlation of Surface Finish and Process parameters in Laser Sintering Rapid Prototyping Technique		No	NA
36	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Rajeev Saha	Naveen Virmani	Part Time	YMCAUST /Ph33/2012	12th Feb. 2013	Effective Decision Support System for Lean Manufacturing in Select Indian Industries		No	NA

37	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Sanjeev Kumar	Vikash Kumar	Part Time	YMCAUST /Ph34/2012	12th Feb. 2013	Development of Real Time Health Assessment System for Condition Monitoring of Petrol Engine		No	NA
38	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vasdev Malhotra	Rahul Sindhvani	Part Time	YMCAUST /Ph35/2012	12th Feb. 2013	An Integrated Framework to Analyze the Implementation Strategies for Agile Manufacturing System	Thesis submitted	No	NA
39	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Arvind Gupta	Sachin Gupta	Part Time	YMCAUST /Ph36/2012	12th Feb. 2013	Augmentation of Heat Transfer in Internal Flow		No	NA
40	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. M.L. Aggarwal	Suresh Kumar	Part Time	YMCAUST /Ph37/2012	12th Feb. 2013	Stress Evaluation Technique of Helical Spring with Modified Design Parameters		No	NA
41	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Arvind Gupta	Kanwarpal	Part Time	YMCAUST /Ph38/2012	12th Feb. 2013	CFD Modeling for Particulate Flow through Straight Pipes and Bends		No	NA
42	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Sanjeev Kumar	Amit Kumar Gupta	Part Time	YMCAUST /Ph39/2012	12th Feb. 2013	Fabrication and Charaterization of Metal Matrix Composites using Friction Stir Processing		No	NA
43	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Raj Kumar	Rajesh Kumar	Part Time	YMCAUST /Ph40/2012	12th Feb. 2013	Analysis of Radiative Heat Transfer on Boiler Tubes under Different Ash Particles Deposition		No	NA
44	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Arvind Gupta	Vinod Sehrawat	Part Time	YMCAUST /Ph41/2012	12th Feb. 2013	Performance Evaluation of Solar Absorption Cooling Systems		No	NA

45	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Navdeep Malhotra	Naveen Kumar	Part Time	YMCAUST /Ph42/2012	12th Feb. 2013	Investigation and Optimization of Process Parameters of Wire Cut EDM While Machining Aluminium Silicon Carbide		No	NA
46	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Sandeep Grover	Sanjay Kumar	Part Time	YMCAUST /Ph43/2012	12th Feb. 2013	Development of Hybrid Electrical Discharge Machining		No	NA
47	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Navdeep Malhotra	Naresh Kumar	Part Time	YMCAUST /Ph44/2012	12th Feb. 2013	Investigation and Optimization of Process Parameters of Abrasive Flow Machining on Metal Matrix Composite		No	NA
48	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. M.L. Aggarwal	Atul Sharma	Part Time	YMCAUST /Ph45/2012	12th Feb. 2013	Comparative Analysis of Metal Matrix Composite and Fibre Reinforced Polymer Composite for a Gear		No	NA
49	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Niranjana Mangla	Mohmad Iqbal	Part Time	YMCAUST /Ph46/2012	12th Feb. 2013	To Develop a Solar Lamp using a Phosphorous and Like Material		No	NA
50	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Rajeev Saha	Kailash	Part Time	YMCAUST /Ph47/2012	12th Feb. 2013	Benchmarking of Internal Supply Chain Management in Select Indian Manufacturing Industries		No	NA
51	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Kamal Kumar	Gurpreet Singh Saini	Part Time	YMCAUST /Ph48/2012	12th Feb. 2013	Fabrication and Experimental Analysis of Aluminium Composites and Optimization of Process Parameters	pre-phd viva completed	No	NA

52	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vasdev Malhotra	Sanjay Kumar	Part Time	YMCAUST /Ph49/2012	12th Feb. 2013	Analysis and Implementation of Cellular Manufacturing System and its Impact on Manufacturing Flexibility		No	NA
53	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Raj Kumar	Madan Gopal	Part Time	YMCAUST /Ph50/2012	12th Feb. 2013	Thermoeconomic Evaluation of Refrigeration Systems		No	NA
54	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Sanjeev Kumar	Nitin Panwar	Part Time	YMCAUST /Ph01/2014		Development of advance maintenance planning and resource allocation system for industrial process		No	NA
55	Faculty of Engg. & Tech.	Mechanical Engg.	Dr. Vasdev Malhotra	Anil Mahawar	Part Time	Yet to be issued		productivity enhancement through modular manufacturing system in casting industries		No	NA