

List of ongoing Ph.D. Thesis 2017-18			
S. No.	Title of the Ph.D. Proposal	Name of the Supervisor(s)	Name of Student (after proposal defense)
1	Development and Characterization of Functionally Graded Materials by Microwave Heating	Dr. Dheeraj Gupta & Dr. H.L. Bhowmick	Sarbjeet Kaushal
2	Numerical analysis of Magnetic Nano-particle based thermotherapy	Dr. Neeraj Kumar	Sandeep Nayan
3	Hygrothermal effects on Strength of Mechanical Joints prepared from Glass Epoxy Composite Laminates	Dr. J. S. Saini and Dr. H. Bhunia	Kulwinder Singh
4	Study of properties and performance of biodiesel in CI engine produced from waste cooking oil using heterogeneous	Prof S. K. Mohapatra and Dr K Kundu	Sh Jatinder Kataria
5	Study of performance of dual fuel engine using biogas and producer gas	Prof S K Mohapatra	Sh Sohan Lal
6	Experimental Investigations and Analysis of Electrical Discharge Machining of Hardened EN31 Steel using Ceramic	Dr. Vineet Srivastava and Dr. Vivek Jain	Mr. Arminder Singh
7	Hydrogen enrichment of biogas through reforming and its utilisation in compression ignition engine under dual fuel	Prof S K Mohapatra and Dr Amit Dhir	Sh Pali Rosa
8	Investigation on slurry erosion of different pumping material and coatings	Prof S K Mohapatra Dr Satish Kumar	MR. Jashanpreet Singh
9	Investigation of high concentration slurry disposal through pipe bend	Prof S. K. Mohapatra Dr Satish Kumar	Mr. Jitender Pal Singh
10	Investigation on transportation characteristics of pulverised coal and fly ash slurry	Prof S. K. Mohapatra and Dr Satish Kumar	Mr. Harmandeep Singh
11	Static and Dynamic Obstacle Avoidance with Dynamic Analysis for Mobile Robots	Dr. T. K. Bera	Rajmeet Singh
12	Performance Improvement of Vapour Compression Refrigeration and Air Conditioning System	Dr. M.K. Mittal & Dr. T. K. Bera	Vikram Jamwal
13	Studies on Joining and Deposition using Planar Movement Setup for GMAW	Dr. T. K. Bera	Vinod Suri
14	An investigation on wet tribology of Dispersed solid lubricants in the presence of Surfactant	Dr. H.L. Bhowmick	Harpreet Singh
15	Development of Cavitation Erosion Resistant Cladding through Microwave Heating	Dr. Dheeraj Gupta & Dr. Vivek Jain	Mr. Sandeep Bansal
16	Experimental Investigation on Drilling of Cortical Bone	Dr. Vivek Jain & Dr. Dheeraj Gupta	Mr. Gurmeet Singh
17	Enhancement of Hole quality for Pre-tempered Float glass by Rotary Ultrasonic Machining	Dr. Vivek Jain & Dr. Dheeraj Gupta	Mr. Ankit Sharma
18	Design & Development of a Novel Neuro-surgical Bone Grinding Process to Minimize Thermal Necrosis	Dr. Vivek Jain & Dr. Dheeraj Gupta	Mr. Atul Babbar
19	Electrochemical hydrogen storage in porous graphene electrode integrated in a reversible polymer electrolyte membrane	Dr. Amandeep Singh Oberoi	Mr. Himanshu Jindal
20	Studies towards development of improved modelling and scale-up procedures for dense-phase pneumatic conveying	Dr. S.S. Mallick and Dr. Anu Mittal	Kapil Sharma
21	Rare earth metal effects on machinability of aluminum based hybrid composites using Abrasive flow machining process	Dr. Vinod Kumar, Dr. R.S. Joshi	Vipin Sharma
22	Investigations and Modeling on Advancement in Magnetorheological Fluid Based Honing Process	Dr. A.K. Singh	Vishwas Grover
23	Design and Development of A Rotating Core Based Magnetorheological Finishing Process for Different External Geometries	Dr. A.K. Singh	Manpreet Singh