

**MECHANICAL ENGINEERING DEPARTMENT**  
**Faculty of Engineering & Technology**  
**Jamia Millia Islamia, New Delhi-110025**  
**Phone Nos.: 011-26981259 & 26981717; Ext: 2410**  
**Fax No.: 011-26981259**

**LIST OF REGISTERED Ph. D. RESEARCH SCHOLARS (Till April 2019)**

S. No.	NAME OF SCHOLAR	D. O. R/ Reg. No.	SUPERVISOR (S)	TITLE	STATUS
1.	Sanjay Kumar	2011	1. Prof. Abid Haleem 2. Prof Sushil (IITD)	“Development of an Innovativeness Index for Indian Manufacturing Industry	Continued
2.	Ravindra Kumar	2012	Prof. Mohd. Islam Prof. M. M. Hasan	“Numerical and Experimental Investigations on the Characteristics of Thermo-Fluid and Geometrical Parameters of Single Phase Liquid flow in Micro channels. ”	Extension from 6th to 7th yr approved from bos held on 19/09/2018 and Pre-Ph.D done On 17/06/2018
3.	Mohd. Shadab Alam	25/09/2013	Prof. Mohd. Suhaib	Recognition Of Distinct Mechanisms From The Families Of Planar Kinematic Chains	Defended on 28/03/2019
4.	Rakesh V Mishra	25/09/2013	Prof. Z. Mallick	Ergonomic Evaluation Of Call Centre Design Aspects & Operators Cognitive Performance Evaluation	Application for extension without consent of supervisor from 5th to 6th year
5.	Mohd. Rashid Akhtar	24/09/2013	Dr. Aas Mohd.	Analysis And Optimization Of Composite Leaf Spring Using Intelligent Techniques	Extension from 5th to 6th yr approved from bos held on 19/09/2018

6.	Zeeshan Ahmad	25/09/2013	Dr. Sabah Khan	Tribological Analysis Of Particle Reinforced Aluminium Alloy Composite For Kinematic Chain Application	Extension from 5th to 6th yr approved from bos held on 19/09/2018 Pre Ph. D done on 28/05/2018
7.	Vipin Kaushik	25/09/2013	Dr. Aas Mohd.	A Computational Approach For The Modeling Of Planar Multiple Jointed Kinematic Chain And Mechanisms.	Extension from 5th to 6th yr approved from bos held on 19/09/2018
8.	Asok Kumar Yadav	27/09/2013	Prof. M. Emran Khan	Characterization Of Engine Performance With Biodiesel Fuels Derived From Non-Edible Oils	Awarded 2017
9.	Md. Zakir Husain	27/09/2013	Dr. Sabah Khan	Evaluation Of Mechanical And Tribological Properties Of Mno <sub>2</sub> /Cnt Polymer Nanocomposites	Extension from 5th to 6th yr approved from bos held on 19/09/2018
10.	Mohd Zafer Husain	25/09/2013	Prof. Mohd. Suhaib	Kinematic And Dynamic Modeling Of A Four Fingered Robotic Hand	No application for extension from 5th to 6th year
11.	Mohd Owais Qidwai	29/09/2014	Prof. M. M. Hasan	“Numerical Optimization of Microchannel Heat Sink”	Continued
12.	Etkaf Hasan Khan	30/09/2014	Dr. Islam Nawaz	Performance Evaluation of the Solar Photovoltaic Thermal (SPVT) active Solar Still	Continued
13.	Sonal Khurana	30/09/2014	Prof. Abid Haleem	Integrating Innovation with sustainability: A Study of Practices for Indian Manufacturing Industries	Submitted
14.	Pankaj Kumar Chauhan	29/09/2014	Dr. Sabah Khan	Mechanical and Tribological Analysis of Functionally Graded Materials for Sliding Contact Machine Elements	Continued

15.	Jiyaul Mustafa	30/09/2014	Dr. Ali Hasan	Kinematic and Dynamic Analysis of Stewart Platform	Continued
16.	Nitin Kumar Waghmare	29/09/2014	Dr. Sabah Khan	Impact Resistance of Composite Laminates	Continued
17.	Eram Neha	30/09/2014	Prof. Mohd. Suhaib	Redundancy Control with Position prior Orientation of a Four Finger Robotic hand (Jamia Hand) Using the concept of Task Priority	Continued
18.	Mohammad Qamar Tanveer	30/09/2014	Prof. Mohd. Suhaib	Measurement and Modeling of Residual Stresses in Rapid Prototyping	Continued
19.	Vivek Kumar Jain	29/09/2014	Dr. A. N. Siddiquee Prof. Z. A. Khan (Co)	Surface Modification Using Friction Stir Processing (FSP)	Continued
20.	Mohd Javaid	29/09/2014	Prof. Abid Haleem	Product Design and Development using Rapid Prototyping technology	Submitted
21.	Mohd Muqeem	29/09/2014	Dr. A.F.Sherwani Prof. Mukhtar Ahmad	Improving Exhaust Emissions and Brake Horse Power of Diesel Engine by Controlling the Temperature of Turbocharged Air Being Supplied	Pre-Ph.D Done
22.	Mohd Zaheen Khan	30/09/2014	Dr. Islam Nawaz Prof. G.N. Tiwari	Computational Modeling for performance analysis of Solar Stills	Pre-Ph.D Done
23.	Deshdeep	28/09/2015	Dr. A.F.Sherwani Dr. Akhilesh Arora, DTU	Thermodynamic Analysis of Solar Driven Refrigeration Cycles	Continued
24.	Shahim Haider Abidi	29/09/2015	Prof. M.M.Hasan	Numerical Simulation for Improving Performance of Diesel Engine	Continued
25.	Tina Chaudhary	28/09/2015	Dr. A. N. Siddiquee Dr. Arindam Kumar Chanda, GB Pant Engg. College, Delhi	Some Studies on Machining of Micro Parts by Wire Electric Discharge Machining	Pre-Ph. D Done on 12/07/2018
26.	Abdul Qaiyum	29/09/2015	Dr. Aas Mohd.	Some Studies on Dimensional Synthesis of 1-F Planar Linkages	Continued
27.	Vardan Parashar	29/09/2015	Prof. J.A.Usmani Prof. Abid Haleem	Cold Supply Chain Management System	Continued

28.	Manoj Kumar Yadav	29/09/2015	Dr. A. N. Siddiquee Prof. Z.A.Khan	Some Studies on Friction Stir Processing	Continued
29.	Mohammad Waseem	01/10/2015	Prof. Mohd. Suhaib	Some Studies on Solar Robots	Continued
30.	Tushar Gupta	29/09/2015	Prof. M.Emran Khan	Ignition Characteristics of Diesel Engines	Continued
31.	Md. Ziyaur Rahman	30/09/2015	Prof. Z.A.Khan Dr. A. N. Siddiquee	Some Studies on Cladding using Gas Metal Arc Welding (GMAW)	Continued
32.	Md. Meraj	29/09/2015	Prof. M.Emran Khan	Energetic and Exergetic Analysis of Various Models of Vapour Absorption Refrigeration Cycle	Continued
33.	Mohd. Imran Khan	29/09/2015	Prof. Abid Haleem	Identify the Prospect and Challenges in Developing Sharia Compliant Organization	Continued
34.	Shaheen Hasan	30/09/2015	Prof. J.A.Usmani Prof. Mohd. Islam	Performance Evaluation and Cost Benefits Analysis of PV Installation by Using a Flat Plate Collector in the Urban Area	Continued
35.	Vipin Kumar	28/09/2015	Prof. M.N.Karimi	Refrigeration and Air Conditioning	Continued
36.	Mohd. Shuaib	30/09/2015	Prof. Abid Haleem	Product Development in 3D Environment	Continued
37.	Firasat Husain	29/09/2015	Dr. A. N. Siddiquee Prof. Z.A.Khan	Some Studies on GAS Metal Arc Welding	Continued
38.	Abdul Gani	JMI00875595 07.11.2016	Dr. Mohd. Asjad Dr. Faisal Talib, AMU	Performance Evaluation of sustainable Industrial Systems	Continued
39.	Gajender	JMI00878146 04.11.2016	Prof. Z.Mallick Dr. Mohd. Asjad	Fabrication & Mechanical Characterization of Natural Fiber Hybrid Biodegradable Polymer Composite	Continued
40.	Suraj Kumar Singh	JMI00872166 08.11.2016	Dr. Sabah Khan Dr. R.K.Mishra, Gautam Buddha Univeristy	Processing and characterization of Agaves Nano Fibers Reinforced Thermoset Polymer composites	Continued
41.	Ahmad Kamal	JMI00879168 07.11.2016	Prof. M.M.Hasan	Effect of Ventilation on confined gas	Continued

	Hassan		Prof. M.Emran Khan	explosion of ultralean and rich mixtures	
42.	Naseem Ahamad	JMI00870239 04.11.2016	Prof. Aas Mohd.	A Study on Mechanical Properties of Composites Materials	Continued
43.	Yusuf Parvez	JMI00880265 04.11.2016	Prof. M.M.Hasan	Energy and Exergy analysis of steam turbine based cogeneration in Sugar Industries	Continued
44.	Osama Khan	JMI00870433 07.11.2016	Prof. M. Emran Khan	Performance analysis of Diesel Engine using non edible oils	Continued
45.	Mubeen	JMI00874576 04.11.2016	Prof. A.N.Siddiquee Prof. Z.A.Khan, JMI	Some studies on Tailored blank fabrication	Continued
46.	Rashid Latif	JMI00872616 04.11.2016	Prof. Z.A.Khan Dr. S.L.Verma, NIET, Noida	Modifying the Mechanical Characterstics of Cast Hybrid Aluminium Metal Matrix Composite using squeeze casting technique	Continued
47.	Ashutosh Singh	JMI00871683 04.11.2016	Dr. Mohd. Asj Dr. Piyush Gupta, IUAC, New Delhi	Some Studies on the performance analysis of reconfigurable manufacturing systems	Continued
48.	Shahbaz Khan	JMI00877836 10.11.2016	Prof. J.A.Usmani Prof. Abid Haleem,	Accreditation and Assessment of Halal Products	Continued
49.	Salem Alabd Mohammed Abdassalam	19/12/2016	Prof. M. N. Karimi	Analysis of Vapour Absorption Refrigeration System	Continued
50.	Syed Saud Abidi	19/12/2017 JMI00146104	Prof. A.N. Siddiquee Prof. Z.A. Khan	An Investigation on Machining & Finishing Of Aisi 50100 Hardened Alloy Steel	Continued
51.	Sandeep Kumar Vashisht	18/12/2017 JMI00146155	Prof Z.A. Khan Dr. Rajesh Kumar Attri YMCA, Faridabad	Study & Analysis of Barriers & Success Factors Of Business Process Re-Engineering In The Context Of Indian Manufacturing Organizations	Continued
52.	Najeeb Ullah Khan	20/12/2017 JMI00151228	Prof M.M. Hasan	An Experimental Investigation of Heat Transfer In Microchannel Heat Sink	Continued
53.	Mohd Shahid	19/12/2017 JMI00146343	Prof M.N. Karimi	Optimization of Building Energy Performance	Continued

54.	Javed Kaleem	19/12/2017 JMI00151359	Prof. Z. Mallick Prof Abid Ali Khan, AMU	Vibration Exposure for The Improvement in Diabetic Patients	Continued
55.	S.M. Mahmood	21/12/2017 JMI00151384	Prof. Mohd Emran Khan	Utilization of Potential of Solar Energy In Different Thermal Systems	Continued
56.	Rohit Singh	18/12/2017 JMI00147443	Dr. Mohd Asjad Dr. A.F. Sherwani	A Probabilistic Analysis of Mechanical Systems	Continued
57.	Mohd Zaid	20/12/2017 JMI00150508	Dr. A.F. Sherwani	Numerical Investigation of Two- Dimensional Mixed Convective Flow Past Two Circular Cylinders	Continued
58.	Mohd Shoeb	18/12/2017 JMI00148671	Prof. Aas Mohd. Prof. Abid Haleem	Additive Manufacturing	Continued
59.	Salma Khatoon	22/12/2017 JMI00147757	Prof. M.N. Karimi	Comparison of Fourth Generation Refrigerants Hfo1234yf & Hfo1234ze By Second Law Efficiency & Energy Destruction Analysis For Automobile Sector	Continued
60.	Shailendra Kumar Neeraj	21/12/2017 JMI00150794	Dr. Islam Nawaz Prof. Mohd Islam	Comparative Analysis of Microchannel Heat Exchanger	Continued
61.	Sazaad Hasan	21/12/2017 JMI00146845	Prof. Mohd Emran Khan	Pridiction Of Energy Saving In Solar Thermal Hybrid Vrf System	Continued
62.	Navneet Kumar Suman	19/12/2017 JMI00145857	Prof. A.N. Siddiquee Dr, Soumenker, IUAC, New Delhi	Development of Test Cryostat For Superconducting Magnet	Continued
63.	Asif Iqbal	19/12/2017 JMI00145884	Prof. A.N. Siddiquee Prof. Z. A. Khan	An Investigation On Friction Stir Welding Of Thick Plates of Aluminium Alloys	Continued
64.	Shanayrab	26/12/2017 JMI00146919	Dr. Abid Haleem	Indigenous Design & Development of Pressure Calibrator	Continued
65.	Shailendra Kumar	18/12/2017 JMI00145941	Prof. Mohd Suhaib	Some Studies on Industrial Automation	Continued
66.	Anil Kumar	18/12/2017 JMI00145970	Prof. M.N. Karimi	Experimental Investigation of Fluid Flow & Heat Transfer Through Heat Exchanger In Refrigeration System	Continued

67.	Sameera Mufazzal	20/12/2017 JMI00145987	Prof. S.M. Muzakkir	Some Studies on Fault Detection In Engineering Systems	Continued
68.	Abdul Qadeer	18/12/2017 JMI00145308	Prof. Mohd Emran Khan	Modelling of Solar Radiation & Its Utilization in Space Conditioning	Continued
69.	Shadab Ahmad	JMI0188698 20-8-2018	Dr. Tasmeem Ahmad Khan	Study of Performance of Solar Thermal Power Plants using various type of Thermodynamics Cycle	Continued
70.	Rehan Farooque	JMI0304410 14-8-2018	Dr. Mohd. Asjad Dr. Javed Ahmed Rizvi, (AMU	Performance Analysis of Injection Moulded Materials for Automotive Segments	Continued
71.	Mohit Bansal	JMI0303705 14-8-2018	Prof. Abdur Rahim	Aerodynamics of Combustor/Diffuser Flow Analysis using CFD	Continued
72.	Md Nadeem Alam	JMI0185864 14-8-2018	Prof. Z A Khan Prof. A.N.Siddiquee	Some Studies on WEDM Performance Evaluation	Continued
73.	Rahul Katna	JMI0171128 16-8-2018	Prof. Mohd Suhaib Dr. Narayan Agrawal, DIET, Delhi	Design and Development of a Nozzle for Delivering Indigenously Developed Biodegradable Cutting Fluid and Performance Analysis in turning operation	Continued
74.	Mukesh Yadav	JMI0224899 16-8-2018	Prof. M. M. Hasan	Some Computational Model, Optimization and Experimental Investigations on Combustion, Performance and Emissions of Biodiesel on CI Engine	Continued
75.	Ruchi Yadav	JMI0256829 14-8-2018	Dr. A.F Sherwani	Performance Study of Hybrid PV/solar Concentration System Coupled with Rankine Cycle for Power Generation	Continued
76.	Nosheen Fatma	JMI0283483 14-8-2018	Prof. Abid Haleem	Eco- Innovation and Its Management	Continued
77.	Shafi Ahmad	JMI0212366 17-8-2018	Prof. Z A Khan Prof. M. Ali, AMU	Dynamic Scheduling Of Manufacturing System	Continued
78.	Deepak Prashant Singh	JMI0329725 04-02-2019	Prof. Zahid A Khan Dr. Audhesh Narayan, MNIT,	Experimental and Analytical Analysis of Machining of Material Alloys on Micro-EDM	Continued

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79.	Sayeed Ahamad	JMI0330327 04-02-2019	Prof. Aas Mohd.	Mechanisms and Design	Continued
80.	Ashish Sharma	JMI0329664 04-02-2019	Prof. Zahid A Khan Prof. Arshad Noor Siddiquee	Some studies on effect of tool material, size and shoulder diameter on aluminum alloys on friction Stir welding	Continued
81.	Tahir Ali Khan	JMI0329547 04-02-2019	Dr. Tasmeem A Khan Dr. Ashok Kumar Yadav, RKGIT, Ghaziabad	Experimental Studies on Utilization of Microalgae as an Alternative Fuel in Compression Ignition Engine	Continued
82.	Visnu Kumar Tiware	JMI0329753 04-02-2019	Prof. Zahid A Khan Prof. Arshad Noor Siddiquee	An investigation on error and accuracy of machine component	Continued