

<b>Sr. No</b>	<b>Advisor</b>	<b>Title</b>
1	Prof. Dr. Nasir Hayat	Performance & Environmental Analysis of An Innovative Electric Bike
2	Prof. Dr. Nasir Hayat	Reverse Surface Modeling of Complex Shape Auto Parts
3	Prof. Dr. Nasir Hayat	3D Printer for A Complex Part
4	Prof. Dr. Nasir Hayat	(Covid-19) Drone Fighter
5	Prof. Dr. Nasir Hayat	Design & Simulation of Speed Breaker Power Generation Mechanism
6	Prof. Dr. Nasir Hayat	Design & Fabrication of Spot Welding Machine
7	Prof. Dr. Tauseef Aized	Bio Medical Application of 3-D Printing
8	Prof. Dr. Tauseef Aized	3D Printer
9	Prof. Dr. Ghulam Moeen Uddin	Bio-tribo-mechanical Performance of Titanium Tornyary Coating on Bio Implant
10	Prof. Dr. Ghulam Moeen Uddin	Artificail Intelligence for Operational Excellence Tool in Selected Process Industry
11	Prof. Dr. Ghulam Moeen Uddin	ANN Based Vibration Analysis of Multistage Steam Turbine Main Shaft Bearing
12	Prof. Dr. Ghulam Moeen Uddin	Optimization of Performance of Super Critical Steam Turbine
13	Dr. Muhammad Mahmood Aslam Bhutta	Stealth Drone Technology
14	Dr. Ali Hussain Kazim	Design, Development & Improvement of A Low-cast Portable Ventilator
15	Dr. Ali Hussain Kazim	Aero Foil Design
16	Dr. Ali Hussain Kazim	Effect of Biofuel on Engine Performance
17	Dr. Ali Hussain Kazim	Design & Fabrication of Dual Layer Flat Plate Collector
18	Dr. Ali Hussain Kazim	Solar Radiation Management Using Aerosol Particals
19	Dr. Ali Hussain Kazim	Design & Optimization of Thermovoltaics
20	Dr. Ali Hussain Kazim	HVAC Ground Source Heating & Cooling Technique
21	Dr. Awais Ahmad Khan	Implementation of Lean Six Sigma Strategies for Design Improvent of Refrigeration Assembly Line
22	Dr. Muhammad Usman	Hydroxy Gas Generation, Utilization and Environmental Impacts When Mixed With Diesel Fuel in CI Engine
23	Dr. Muhammad Usman	Power, Emissions, and Reliability Analysis of Synthetic Fuels (Electrofuels): A Comparative Study with Conventional Gasoline/Diesel and Alternative Fuels i.e. Ethanol Blended Fuel
24	Dr. Muhammad Usman	Enviro-economic Assessment of Three Generations of Biodiesel and Diesel Fuel Blends
25	Dr. Muhammad Usman	Exergo-economic Analysis of A Thermal System
26	Dr. Muhammad Usman	Design and Prototyping of Low-cost Portable Mechanical Ventilator

27	Dr. Muhammad Usman	ANN Assisted GT-RSM Based Optimization of Diesel Engine Fueled with Ternary Diesel Fuel	
28	Dr. Muhammad Usman	Upgradation of Disinfection Tunnel	
29	Dr. Muhammad Usman	Designing, Analysing and Comparing Different Types of Heat Exchangers Using Solid Works	
30	Engr. Shabbir Hussain	3D Printer	
31	Engr. Ahmad Naveed	Design & Fabrication of Lift Based Micro Hydral Turbine	
32	Engr. Ahmad Naveed		
33	Engr. Ahmad Naveed	Shape Optimization and Additive Manufacturing of Mechanical Application	
34	Engr. Syed Saqib	Design & Analysis of BOILER	
35	Engr. Syed Saqib	Refrigeration Cycle	
36	Engr. Syed Saqib / Usman	Dr. Muhammad Usman	Artificial Intelligence in Solar Powered Cooling System
37	Dr. Jawad Sarwar	Structural Design & Winf Stability Analysis of Photovoltaic Electric Generation System	
38	Dr. Jawad Sarwar	Shading Effect on the Performance of Photovoltaic System and Development of Low-cost Systems for Measurements of Irradiance, Temperature and Tracking	
39	Dr. Jawad Sarwar	Energy Performance Analysis of Building in Semi-arid Climate	
40	Dr. Jawad Sarwar		
41	Dr. Jamal Umer	Combined Numerical Experimental Tribological Analysis of Disk Brake Materials Used for Automotive Applications to Improve Durability	
42	Dr. Jamal Umer	Optimization of Vanes to Improve Flow Characteristics of Variable Flow Oil Pump to Improve Fuel Economy	
43	Dr. Muhammad Wajid Saleem	Seawater Desalination Employing Hybridization of Capacitive Deionization and Direct Contact Membrane Distillation	
44	Dr. Muhammad Asim	Reverse Engineering of Auto Parts	
45	Dr. Muhammad Asim	Concentrated Photovoltaic	
46	Dr. Muhammad Asim	Dual Axis Tracking For Solar PV System	
47	Dr. Muhammad Asim	Application of Solar Energy	
48	Dr. Muhammad Asim	The Stability Analysis of Off-Shore Wind Turbine for Extreme Wind Conditions	
49	Dr. Muhammad Asim / Dr. Zia ul Rehman Tahir	Application of Machine Learning in Solar Energy	
50	Dr. Zia ul Rehman Tahir	Application of Machine Learning in Mechanical Engineering	
51	Dr. Zia ul Rehman Tahir	Total Knee Replacement	
52	Dr. Zia ul Rehman Tahir	Application of Machine Learning in Renewable Energy	

53	Dr. Zia ul Rehman Tahir	Wind Resources Assesments
54	Dr. Zia ul Rehman Tahir	Computational Dynamic Analysis of Knee Implant in Total Knee Replacement
55	Dr. Zia ul Rehman Tahir	Design & Development of Wireless Vibrations Measurements System
56	Dr. Waqar Nasir	Design & Fabrication of Leather Fleshing/Shaving Blade Through Reverse Engineering
57	Engr. Muhammad Jawad	Artificial Neural Network Based Parametric Optimization of Reverse Electro Dialysis for Energy Generation
58	Engr. Muhammad Jawad	To Enhance the Corrosion & Diffusion Characteristics of Hydrogen Fuel Cells by Nano Thin Film Coatings
59	Engr. Muhammad Jawad	Design of Compliant Mechanism: Application to Increase Industrial Supply Chain Efficiency
60	Engr. Muhammad Jawad	Application of Lean Frameworksfor Continuous Improvement In A Manufacturing/Assembly Plant