

# RESEARCH EXPERTISE IN MECHANICAL ENGINEERING

Name	Designation	Area of Research
<b>Dr. Vishal Ahlawat</b>	Faculty Incharge, Assistant Professor	Tribology of Composites, Brake friction materials, Lubrication and lubricants, Materials characterization
<b>Dr. Upender Dhull</b>	Associate Professor	Sustainable Nature based Nanocatalysts for Biofuel Production, Bioenergy, Advanced Engineering Materials, Soft Computing based optimisation, I.C. Engines, Automotive emissions, Regulated and unregulated emissions, Reduction techniques for particulates, and other pollutants control and exhaust gas after treatment technology.
<b>Dr. Sanjay Kajal</b>	Associate Professor	Industrial and Production Engg., Optimization techniques for industrial systems, Brake friction composites, Design for mechanical systems
<b>Dr. Sunil Dhingra</b>	Associate Professor	Thermal Engineering, Renewable Energy, Soft Computing based optimisation, Alternate Fuels of I.C. Engines, Biofuel Production, Emission Reduction of I.C. engines, Performance analysis of I.C. engines.
<b>Dr. Parinam Anuradha</b>	Assistant Professor	Solar assisted desiccant cooling systems, Solar thermal systems, Solar desalination systems, Numerical and computational methods, Brake friction composites and materials, Elastohydrodynamic lubrication analysis.
<b>Dr. Sunil Nain</b>	Assistant Professor	Solar Energy, HVAC, Heat transfer, Desiccant Evaporative Cooling, Solar Desalination
<b>Dr. Manjeet Bohat</b>	Assistant Professor	Machining, Response Surface Methodology, Genetic Algorithm.
<b>Mr. Mayank Bhardwaj</b>	Assistant Professor	Micro power generation, Tesla Turbines, Renewable energy, Advanced Fluid Dynamics, Heat Exchangers, Solid Works, CAD, Computational Fluid Dynamics.
<b>Mr. Ravinder Chaudhary</b>	Assistant Professor	Sustainable manufacturing, Advanced machining, Robotics integration, Optimization techniques, Biofuel Testing and Development and renewable energy applications.
<b>Mr. Jashandeep Singh</b>	Assistant Professor	Biofuel Testing and Development, Renewable energy applications, Sustainable manufacturing, Advanced machining, Decision-making in operations, Industrial productivity enhancement, Design visualization.

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<b>Mr. Pankaj</b>	Assistant Professor	Stir casting, Computer Aided Modeling, AUTO CAD 2D/3D, SOLID WORKS, Tribology and Lubricants, Brake friction materials.
<b>Mr. Vikas</b>	Assistant Professor	Mechanical system modeling and analysis, Design visualization, Process optimization, Robotics integration, Decision-making in operations, Industrial productivity enhancement, Sustainable energy solutions through solar technology.