

## Ph.D Admissions (2020-21)

(Engineering & Technology, Agriculture, Applied Sciences, Pharmacy,  
Management, Humanities, Media & Communication and  
Inter- disciplinary)

Department	Research Areas
<b>Engineering</b>	
Civil Engineering	<ul style="list-style-type: none"><li>• Structural Engineering</li><li>• Water Resources</li><li>• Remote Sensing and GIS</li></ul>
Mechanical Engineering	<ul style="list-style-type: none"><li>• Manufacturing Technology</li><li>• Heat transfer and fluids</li><li>• Structural Vibration and Control</li><li>• Computational Methods in Design Engineering</li><li>• Renewable Energy</li><li>• Alternate Fuels</li><li>• Machine Learning for Mechanical System Application</li></ul>
Computer Science and Engineering	<ul style="list-style-type: none"><li>• Image Processing</li><li>• Artificial Intelligence (applications to Agriculture and Public Health)</li><li>• Geographical Information System</li><li>• Modelling and Simulation</li><li>• Human Computer Interaction</li><li>• Machine Learning</li><li>• Cloud Computing and Big Data</li></ul>
Electronics and Communication Engineering	<ul style="list-style-type: none"><li>• Electromagnetics</li><li>• Mobile communications</li><li>• Satellite communications and other related fields</li><li>• VLSI</li><li>• Radars</li><li>• Electromagnetic Interference-Electromagnetic Compatibility</li><li>• Bio Medical Engineering</li><li>• Antennas</li><li>• Renewable energy</li></ul>
<b>Agriculture</b>	
Agriculture	<ul style="list-style-type: none"><li>• Agronomy</li><li>• Plant Biotechnology</li><li>• Entomology</li><li>• Horticulture</li><li>• Genetics and Plant Breeding</li><li>• Biochemistry</li><li>• Soil Science and Agricultural Chemistry</li><li>• Application of Remote Sensing &amp; GIS</li></ul>

<b>School of Applied Sciences</b>	
Botany	<ul style="list-style-type: none"> <li>• Taxonomy, Biodiversity conservation, Ecology</li> <li>• Microbiology and Plant Pathology.</li> <li>• Phytoplankton , Biomass estimation</li> </ul>
Chemistry	<ul style="list-style-type: none"> <li>• Drug delivery, Nanomaterial, Polymeric materials</li> <li>• Functional materials</li> <li>• Organic, inorganic and Physical chemistry</li> <li>• Surface chemistry</li> </ul>
Environmental Sciences	<ul style="list-style-type: none"> <li>• EIA,</li> <li>• Environment management and Pollution control</li> <li>• Bioremediation</li> <li>• Application of Remote Sensing &amp; GIS</li> </ul>
Materials Science	<ul style="list-style-type: none"> <li>• Nano material</li> <li>• Polymeric Materials</li> <li>• Functional materials</li> </ul>
Mathematics	<ul style="list-style-type: none"> <li>• Computational Fluid Dynamics</li> <li>• Nano Fluids</li> </ul>
	<ul style="list-style-type: none"> <li>• Summability Theory and Inventory Theory.</li> </ul>
Physics	<ul style="list-style-type: none"> <li>• Development of Super hydrophobic Nano materials</li> <li>• Ion irradiation on Nano structures</li> <li>• Nuclear Physics</li> <li>• Condensed Matter Physics</li> <li>• Computational P h y s i c s</li> <li>• Astrophysics</li> <li>• Experimental Nuclear Physics</li> </ul>
Zoology	<ul style="list-style-type: none"> <li>• Wild life Hematology</li> <li>• Animal Diversity and Physiology.</li> <li>• Potential fishing Zone, Zooplankton, Ocean color Remote Sensing</li> </ul>
<b>School of Pharmacy</b>	
Pharmaceutics	<ul style="list-style-type: none"> <li>• Novel Drug Delivery system and Nanotechnology.</li> <li>• Formulations and Optimization of Drug Delivery Systems.</li> <li>• Nano particle based Drug Delivery system.</li> </ul>
Pharmaceutical quality assurance	<ul style="list-style-type: none"> <li>• Novel Drug Delivery system.</li> </ul>
Pharmaceutical Chemistry	<ul style="list-style-type: none"> <li>• Medicinal Chemistry</li> </ul>
Pharmacology	<ul style="list-style-type: none"> <li>• Natural Product Research and Drug Screening.</li> <li>• Phytochemical Analysis and Pre-Clinical studies of bioactive molecules from natural as well as synthetic source.</li> </ul>
<b>School of Management</b>	

Management	<ul style="list-style-type: none"> <li>• HR</li> <li>• General Management</li> <li>• Finance</li> <li>• Marketing</li> <li>• Finance</li> <li>• Economics</li> </ul>
Humanities	<ul style="list-style-type: none"> <li>• English Language Teaching</li> <li>• English Communication</li> <li>• Applied Linguistics/ Translation Studies</li> </ul>
<b>Media and Communication</b>	
	<ul style="list-style-type: none"> <li>• New Media</li> <li>• Print Media</li> <li>• Political Economy</li> </ul>
<b>School of Paramedics and Allied Health Sciences(SoPAHS)</b>	
	<ul style="list-style-type: none"> <li>• Clinical and Applied Microbiology</li> </ul>
<b>Inter-disciplinary</b>	<ul style="list-style-type: none"> <li>• Mention area</li> </ul>