

# DEPARTMENT OF MATHEMATICS

## RESEARCH GROUPS

<b>• Major Research Groups</b>			
S. No.	Research Area	Group Members	Group Mentor(s)
1	<b>General Relativity and Cosmology</b>	Dr. Ambuj Kumar Mishra Dr. Archana Dixit Dr. Vinod Kumar Bhardwaj Dr. Vipin Chandra Dubey Dr. Mukesh Kumar Dr. Priyanka Garg Dr. Sanjeev Gupta	<b>Prof. Anirudh Pradhan</b> (Distinguished Professor and Director, CCASS)  <b>Prof. Umesh Kumar Sharma</b> (Professor, Department of Mathematics)
2	<b>Fractional Differential Equations</b>	Dr. Amit Kumar Saraswat Dr. Vinod Kumar Bhardwaj	<b>Prof. Manish Goyal</b> (Professor and Associate Head, Department of Mathematics)

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<b>• Minor Research Groups</b>		
<b>S. No.</b>	<b>Research Area(s)</b>	<b>Group Members</b>
1	<b>Statistics / AI &amp; ML / Deep learning</b>	<b>Dr. Sweta Shukla</b> Dr. Sandeep Kumar Dr. Masum Raj Dr. Ankita Pandey
2	<b>Differential Equations / Numerical Analysis</b>	<b>Dr. Abhishek Kumar Singh</b> Dr. Hariom Sharma Dr. Shitesh Shukla Dr. Chandni Kumari
3	<b>Algebra / Graph Theory</b>	<b>Dr. Mohit Kumar</b> Dr. Kapil Kumar
4	<b>Fluid Dynamics / Bio Fluid Flow / Nanofluid Flows / Cardiovascular Diseases / Modeling and Simulation</b>	<b>Dr. Jayati Tripathi</b> Dr. Ankita Dubey Vineet Kumar Chaurasiya
5	<b>Operations Research/ Evolutionary Optimization/ Fuzzy with LPP</b>	<b>Dr. Amit Kumar Saraswat</b> Dr. Vinod Kumar Bhardwaj Dr. Pooja Verma Dr. Rajeev Prasad Dr. Jauny