

DEPARTMENT OF MATHEMATICS

RESEARCH GROUPS

• Major Research Groups

S. No.	Research Area	Group Members	Group Mentor(s)
1	General Relativity and Cosmology	Dr. Ambuj Kumar Mishra Dr. Vinod Kumar Bhardwaj Dr. Vipin Chandra Dubey Dr. Mukesh Kumar Dr. Priyanka Garg Dr. Sanjeev Gupta	Prof. Umesh Kumar Sharma (Professor, Department of Mathematics)
2	Fractional Differential Equations	Dr. Amit Kumar Saraswat Dr. Vinod Kumar Bhardwaj	Prof. Manish Goyal (Professor and Associate Head, Department of Mathematics)
3	Algebra / Graph Theory / Coding Theory / Approximation Theory	Dr. Kapil Kumar Dr. Nishant Kumar Dr. Jaspreet Kaur Dr. Vaishali Varshney Dr. Ruchi Singh Rajawat Dr. Swagata Nandy	Dr. Mohit Kumar (Assistant Professor, Department of Mathematics)

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• Minor Research Groups

S. No.	Research Area(s)	Group Members
1	Statistics / AI & ML / Deep learning / Software Reliability	Dr. Sweta Shukla Dr. Masum Raj Dr. Ankita Pandey Dr. Umashankar Samal
2	Differential Equations / Numerical Analysis	Dr. Abhishek Kumar Singh Dr. Chandni Kumari Dr. Shruti Tiwari
3	CFD / Bio Fluid Flow / Nanofluid Flows	Dr. Jayati Tripathi Dr. Ankita Dubey Dr. Vineet Kumar Chaurasiya Dr. Tanya Gupta
4	Operations Research/ Evolutionary Optimization/ Fuzzy with LPP	Dr. Amit Kumar Saraswat Dr. Vinod Kumar Bhardwaj Dr. Pooja Verma Dr. Rajeev Prasad