



सत्यमेव जयते

# राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

(An Institute of National Importance)  
Under Ministry of Education, Government of India



## DEPARTMENT OF MATHEMATICS

### ABOUT NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR AND DEPARTMENT OF MATHEMATICS

National Institute of Technology Raipur (NIT Raipur) is a premier technical institute located in Raipur, Chhattisgarh, India. It is one of the 31 NITs in India. It secured 70 rank in Engineering category of NIRF 2023. The college was accorded the status of National Institute of Technology (an Institution of National Importance) on 1st December 2005 in its golden jubilee year. The Department of Mathematics was established in 1956 (formerly, the Department of Mathematics under the Government College of Engineering and Technology). The department is currently one of the emerging departments, pursuing a wide range of research and teaching endeavours in the fields of Algebra, Linear Algebra, Optimization and Operations Research, Mathematical Ecology and Biology, Mathematical/Computational Physiology, Fluid dynamics, Cryptography, and Statistics. It offers two academic programmes such as the M.Sc. and Ph.D. in Mathematics. It also takes care of all mathematical input for all Undergraduate and a few Post-Graduate courses in Engineering and Computer Applications.

### DEPARTMENT VISION AND MISSION

Our vision is to be a leading Department of Mathematics recognized for excellence in education, research, and industry collaboration. We aim to lead in mathematical research and its applications, foster industry partnerships, and develop programs that integrate academic learning with practical experience.

Our mission is to equip students with the skills to tackle complex problems and succeed in various industries. Enhance academic-industry partnerships, provide hands-on learning, and foster a collaborative environment to address contemporary challenges. Inspire students to become leaders, innovators, and problem-solvers, applying mathematics to improve quality of life.

### DEPARTMENT STRENGTH

The department offers an outstanding research environment. The research scholars of the department are well placed in academic circles in India through various competitive examinations and abroad as well. Several Ph.D. scholars have been awarded Chhattisgarh Young Scientist Award. The department has received various projects from reputed funding agencies such as DST, SERB, CSIR, NBHM, CGCOST, etc. The department has developed strong collaboration with the national and international universities for joint research work.

### DEPARTMENT RESOURCES

The Department of Mathematics is equipped with state-of-the-art facilities and resources to support advanced research and teaching in various mathematical fields. The department provides lab and software facilities for research in Algebra, Linear Algebra, Optimization and Operations Research, Mathematical Ecology and Biology, Mathematical/Computational Physiology, Fluid Dynamics, Cryptography, and Statistics. The experienced professors and technical professionals in the department have expertise with a wide variety of software. Their expertise significantly enhances the department's ability to conduct and expedite research, consultancy, and testing projects. The department usually engages organizing workshops, seminars, and conferences to promote knowledge exchange and innovation.

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Click or scan for details about the Research Profile of the Department of Mathematics

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