



# राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

(An Institute of National Importance)

Under Ministry of Education, Government of India

## DEPARTMENT OF COMPUTER APPLICATION



### Vision of the National Institute of Technology Raipur and Department of Computer Application:

*The National Institute of Technology, Raipur situated in the capital of Chhattisgarh, established in 1956, is one of India's premier engineering institutions. It offers B. Tech., M.Tech. and Ph.D. programs, particularly known for its strong courses. The institute has secured rank 70<sup>th</sup> in NIRF-2023, reflecting its academic excellence, infrastructure and research output. Over the years, National Institute of Technology has made significant strides in developing its campus, fostering industry collaborations, and enhanced student placements, contributing its growing reputation in technical education. The Department of Computer Applications at NIT Raipur offers a robust MCA program focused on cutting-edge technologies, programming, and software development. It emphasizes research, practical skills, and industry-oriented learning, preparing students for successful careers in IT and software industries.*

### Departmental Excellence:

*The Department of Computer Applications at the National Institute of Technology Raipur offers top-notch post-graduate programs in computer applications, aiming to meet the demands of professional organizations, the community, and the nation. It also provides a supportive environment for research excellence. The present intake is 110 students. Admission to the MCA Program is through the national-level entrance examination NIMCET, conducted by one of the participating NITs. The department also offers a PhD program, fostering advanced research in various areas of computer applications. The department boasts excellent faculty, laboratory facilities, classroom amenities, and campus placements. This Post-Graduate Degree Program encompasses a comprehensive range of coursework, including Distributed Computing, Cryptography & Network Security, Data Science, Operating Systems, Computer Organization & Architecture, various programming languages (C, Computer Graphics using C++, JAVA, etc.), Database Management Systems, Data Structures, Software Engineering, Formal Languages & Automata Theory, Compiler Design, Mobile Computing, Digital Image Processing, and Parallel Processing. To enhance reasoning and analytical skills for various competitive exams, the curriculum includes subjects like Mathematical Foundations of Computer Science, Statistical Computing, and Computer-Oriented Numerical Analysis. For the overall development of students, the program also integrates subjects such as Professional Communication in English, Oral and Written Communication, along with practical training in Personality Development, Interview Preparation, and Group Discussion. This well-rounded combination of subjects equips students with a strong and competitive background, significantly boosting their prospects in Institute Campus Placements.*

### Departmental Assets:

*The department is equipped with the latest computers configured to meet the demands of the MCA curriculum. Each workstation is supported by high-speed internet connectivity, and software aligned with the program requirements. Additionally, the facility includes printers and multimedia projection systems, making it suitable for conducting online examinations and delivering an enhanced learning experience.*

To know more about Department of Computer Application: [nitrr.ac.in/aboutmca.php](http://nitrr.ac.in/aboutmca.php)



Scan for details about the Research  
Profile of the Department of  
Computer Application

**Dr. Mou Dasgupta**

Coordinator, IIC Cell,

Department of Computer Application

Email: [mdasgupta.mca@nitrr.ac.in](mailto:mdasgupta.mca@nitrr.ac.in); Contact: +919903713765



Scan for details about the Research  
Profile of the NIT Raipur

**Dr. Priyanka Tripathi**

Head, Department of Computer Application

Email: [hod.mca@nitrr.ac.in](mailto:hod.mca@nitrr.ac.in)