

# Indian Institute of Information Technology Ranchi

Indian Institute of Information Technology (IIIT) Ranchi is an Institute of National Importance under the Act of Parliament of India established in 2016. IIIT Ranchi will be one of the leading Institutes in India for its academic excellence and good governance. The IIIT Ranchi is funded by Government of India (50%), Government of Jharkhand (35%) and Industry Partners (15%). Indian Institute of Information Technology, Ranchi is one of the Indian Institutes of Information Technology, a group of 25 interdisciplinary Technical Universities of higher education started by Government of India focused on Information Technology.

According to the findings of the research, AI and data science have already emerged as the dominant technologies and are anticipated to completely alter the manner in which businesses are managed across all sectors. Using analytical tools, organizations that make use of data now have a pressing need for this. It is accurate to assert that AI and data science have initiated the global fourth industrial revolution. One of the most sought-after skills in the market right now is data science. However, there is a significant gap in the supply and demand of skilled Data Science professionals. Credible courses in AI and data science are required to fill the gap.

The goal of the Data Science and Artificial Intelligence course is to equip students with the knowledge and abilities necessary to use programming and data analysis to impart intelligence to machines and systems. A professional degree in artificial intelligence and data science is needed because modern systems use data science to provide intelligent solutions. This program will prepare graduates for careers that are in line with industry standards.

## M.Tech for Working Professionals

### Executive M.Tech in DATA SCIENCE & ARTIFICIAL INTELLIGENCE

Offered by Department of Computer Science and Engineering





## Resource Person

The resource persons for the program will include experts from IITs, IIMs, NITs, IIIT Ranchi and reputed academic / Research Organization

## Eligibility Criteria

B.Tech/BE, MCA or equivalent Degree

## Important Dates

Application Deadline: 05<sup>th</sup> Dec, 2022

Date of Interview: 20<sup>th</sup>–24<sup>th</sup> Dec, 22

Declaration of Result: 26<sup>th</sup> Dec, 2022

Registration and commencement of classes: 06<sup>th</sup> Jan 2023

To Apply open the link or scan the QR Code

<https://forms.gle/vyhF6DpkEbDM7JEh9>



## M.Tech for Working Professionals

### Course Objective

- Understand the fundamentals of Artificial Intelligence, Data Science, Inference Engines, Speech, Vision, Natural Language Understanding, Robotics, and Human Computer Interaction.
- To provide knowledge and skills to the students enabling them to impart intelligence to systems and machines through programming and Data Analysis.
- Unify the knowledge of human cognition, Artificial Intelligence, and data engineering for designing systems and providing solution.
- Demonstrate hands-on knowledge of state-of-the-art AI and DS tools for real-world problem-solving.
- Ability to develop real-time and robust AI-based systems with specific software, hardware and data requirements.

### Core Course

- Fundamental of Data Science
- Artificial Intelligence and its applications
- Data Mining and Data Warehouse
- Advanced Machine Learning
- Big Data Analytics
- Deep and Reinforcement Learning

### Laboratory

You might want to mention a few of your most impressive clients here:

- Python Programming Lab
- R Programming
- Data Science and AI Lab
- Big Data Analytics Lab

## Contact Us

### Dr. Bharat Singh

Course-Coordinator

CSE Department, IIIT Ranchi

JUPMI Bhavan, Smart City, Dhurva,  
Ranchi

+91-8707223885

[bsingh@iiitranchi.ac.in](mailto:bsingh@iiitranchi.ac.in)

[www.iiitranchi.ac.in](http://www.iiitranchi.ac.in)