

The ICFAI University, Raipur

One Week Online Faculty Development Program (FDP)

EMPOWERING DATA DRIVEN APPLICATION WITH MONGO-DB



July 31- Aug. 04,
2025

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Organized by
Faculty of Science & Technology

Initiated by
IQAC Cell

About University

The ICFAI Group is a well-established educational organization with 11 Universities, 9 Business Schools, 9 Law Schools 9 Tech Schools and 3 Pharmacy schools, boasting four decades of experience in flexible learning.

The ICFAI University, Raipur, founded in 2011, is a private institution recognized by the University Grants Commission (UGC) and holds membership with the Association of Indian Universities (AIU). Situated in Kumhari, District Durg, the university offers a diverse range of undergraduate, postgraduate, and doctoral programs. These programs span various disciplines, including Management, Information Technology, Science & Technology, Commerce, Law, Arts & Humanities, and Education. The university's 30-acre campus is equipped with modern facilities like academic blocks, libraries, laboratories, and computer centers. ICFAI University, Raipur is committed to providing career-oriented education, ensuring students gain valuable industry exposure through internships and placement opportunities.

About the Faculty of Science and Technology

The Faculty of Science & Technology (FST) provides a comprehensive range of undergraduate programs, including B.Tech. degree in Computer Science & Engineering (with specializations in Artificial Intelligence & Data Science), Electronics & Communications Engineering, Civil Engineering, and Mechanical Engineering. Additionally, FST offers BCA and MCA degrees, along with M.Tech and Ph.D. programs. FST is supported by a team of highly qualified faculty dedicated to fostering holistic student development. This commitment is realized through extensive industry exposure, robust placement assistance, valuable internship opportunities, and a diverse array of academic and co-curricular activities designed to enhance learning and prepare students for successful careers

About the FDP

The one-week FDP on Empowering Data Driven Application with Mango DB organized by Faculty of Science Technology. The ICFAI University, Raipur is designed to empower students, developers, and data professionals with practical and in-depth knowledge of MongoDB, one of the most powerful and widely used NoSQL databases in the modern software ecosystem.

As organizations move toward handling vast, unstructured datasets in real-time, traditional relational databases are often not the most efficient solution. MongoDB, with its flexible document model, high scalability, and seamless cloud integration, provides a robust alternative for building modern applications.

This workshop adopts an online learning mode, blending online instruction with in-person mentorship, ensuring flexibility and rich interaction. Across seven days, participants will transition from foundational concepts to hands-on application building and cloud deployment using MongoDB Atlas. Whether you're a beginner looking to enter the world of databases or a developer seeking to upgrade your data-handling skills, this workshop offers the tools, techniques, and confidence to effectively use MongoDB in real-world scenarios.

Who Should Attend?

- Faculty and Researchers exploring database technologies for teaching or academic projects.
- Software Developers looking to upskill in database management beyond traditional SQL.

- Backend & Full-Stack Developers who need to implement scalable data solutions in their web and mobile applications.
- Data Engineers working with large datasets who want to explore schema-less architecture and real-time performance.
- Tech Enthusiasts & Start-ups interested in building fast, flexible, and scalable applications using MongoDB.

Schedule

	Session Details	Participant Output
Day 1	Concept of MongoDB for facility Management	Lecture, Q&A Session, and hands on practice.
Day 2	Industrial Integration with MongoDB	Lecture, Q&A Session, and hands on practice.
Day 3	Building Scalable Backends with Python and MongoDB	Lecture, Q&A Session, and hands on practice.
Day 4	Introduction and Application of MongoDB	Lecture, Q&A Session, and hands on practice
Day 5	MongoDB analysis in data structures	Lecture, Q&A Session, and hands on practice.

Chief Guest for Inaugural Session



Prof. (Dr.) Shiv Dayal Pandey

Hon'ble Vice Chancellor
The ICFAI University, Raipur

Resource Persons



Mr. Rahul Vaidya

Senior Tech Lead, HCT Tech, Nagpur (Maharashtra)

31/07/2025



Dr. Shaziya Islam

Associate Professor, Dept of CSE, Rungta International Skill University, Durg

01/08/2025



Dr. Nisarg Gajanan Gandhewar

Assistant Professor, Dept of Computer Science Engineering and Emerging Technologies, Ramdeobaba University, Nagpur

02/08/2025



Mr. Madhav Jha

Senior Full Stack Developer, Dust Value Graphic Limited, Mumbai

03/08/2025



Mr. Naveen Mandal

Director, Thinkers Paradize (OPC) Private Limited, Raipur, Chhattisgarh

04/08/2025

Important Instructions

Last date for registration and payment: **July 31, 2025.**

Registration Details

- The registration fee for the FDP program is ₹400 only.
- To be paid through online mode by the provided link only.
- The program shall be conducted through online mode via Zoom.

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Scan to Pay



Payment Details:

Bank Account Details	
Name of Bank	HDFC Bank Ltd.
Account Name	The ICFAI University Raipur Fee Collection A/c
Account No	50200000250942
IFSC Code	HDFC0003692
Branch	Tatibandh Branch, Raipur.

ORGANISING TEAM

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Dr. Bibhudendra Acharya,
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For more details, please contact: **Dr. Palak Keshwani** (7999807923);
Dr. K. Nagaiah (9885134913); **Mr. Dilip Mishra** (8982049233)

WhatsApp link



The ICFAI University, Raipur

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