

Advisory Committee

Dr. D. K. Singh
Vice Chancellor
Jharkhand University of Technology, Ranchi

Mr. Nishant Kumar
Registrar I/C
Jharkhand University of Technology, Ranchi

Mr. Sneh Kumar
Controller of Examination
Jharkhand University of Technology, Ranchi

Prof. Bimal Kumar Mishra
Principal
Adarsh College, Rajdhanwar (Vinoba Bhawe University, Hazaribag),
Giridih

Dr. Vandana Bhattacharjee
Director (In-charge)
BIT Lalpur, Ranchi

FDP Registration

No Registration fee

Registration can be done through provided link:
<https://forms.office.com/r/TFDZSxFdaE>

Or, through QR:



Chief Patrons

- Sri Ram Tahal Choudhary, Chairman, RTCIT
- Mr. S. N. Mahto, Secretary, RTCIT
- Prof. A. P. Singh, Director Emeritus, RTCIT
- Mr. Sumeet Raj, Managing Director, RTCIT

Patron

- Dr. N. Hari Babu, Principal, RTCIT

Convenor

- Mr. Mahadeo Prasad, Assistant Professor, CSE, RTCIT
- Mrs. Binita R. Hinz, Assistant Professor, CSE (CS), RTCIT

Coordinator

- Mrs. Somrita Jana, Assistant Professor, CSE, RTCIT
- Mr. Niraj Kumar, Assistant Professor, CSE, RTCIT

Organising Committee

- Mr. Shiv Kumar, Assistant Professor
- Mr. Basudeo Mahato, Assistant Professor
- Miss. Purnima Tigga, Assistant Professor
- Mr. Arvind Kumar, Assistant Professor
- Mrs. Khusboo Singh, Assistant Professor
- Mrs. Neelam Kumari, Teaching Assistant

For Any Query, Contact Us

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5 DAYS ONLINE FACULTY DEVELOPEMMENT PROGRAM ON THE ROLE OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING IN ENHANCING CYBERSECURITY AGAINST CYBERCRIME.

26th May – 30th May 2025
(Online Mode)

Time: - 10:00AM – 12:00 PM

Organized by:
Department of CSE & CSE (Cyber Security) in association with IIC



RTC INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi, and Affiliated to Jharkhand University of Technology, Ranchi)
Anandi, Ormanjhi, Ranchi-835219, Jharkhand
(ISO 9001:2015 CERTIFIED)



About the Institution

- RTC Institute of Technology (RTCIT) aims to consolidate as a pioneer technical institution for running various B.Tech., BBA and Diploma Courses.
- The Institute was established in the year 2008 by GAV SAMITI, a trust (45 years old) working in the field of education, having 23 Schools, Intermediate, Degree and B.Ed. Colleges spread all over the State of Jharkhand, serving a large population and lighting the spark of quality education.
- The Institute is situated in a lush green environment on NH-33 (Ranchi-Ramgarh) about 20 km away from the capital city (Ranchi). It is surrounded by scenic water body and natural landscape with a perfect pollution-free atmosphere most conducive for academic pursuit. It is located about 1.75 km from Ormanjhi block chowk on Sikidri road.
- The Institute location is well connected with all-weather roads. The Institute is being developed by a promising team of qualified and committed engineers, builders, architects & planners constantly working towards achieving excellence.

Important Dates

- LAST DATE TO REGISTRATION: 20TH MAY 2025
- WORKSHOP DATE: 26TH TO 30TH MAY 2025.

ADDRESS:

RTC INSTITUTE OF TECHNOLOGY ANANDI, ORMANJHI,
RANCHI-835217.

<https://maps.app.goo.gl/uVKkrBWLmqLN8Qjr7>

About the FDP

- This FDP is a collaborative effort by the Departments of Computer Science and Engineering (CSE) and Computer Science and engineering (Cyber Security). BY integrating concepts from both domains, it ensures a comprehensive understanding of AI/ML technologies and their practical applications.
- Unlike conventional programs, it not only introduces participants to the foundational concepts and hands-on implementation in python but also delves into the underlying mathematical principals that drive AI/ML algorithms. Additionally, it provides valuable insights into current research trends, taking faculty and researchers, a step further to contributes effectively to academic advancements and industrial innovation.
- This holistic framework is intended to give a significant boost to the educators as well as researchers in them between theoretical learning and practical execution, making it an enriching experience for both alike, providing them the best of their time they spend here with the best value of their time they spend here with us.

Objective and Scope

- To equip faculty members with a comprehensive understanding of the fundamental concepts, advanced techniques, and practical applications at the intersection of cybersecurity and Artificial Intelligence/Machine Learning (AI/ML) within the context of emerging technologies.
- Introduction to the core principles of cybersecurity, including threat landscapes, vulnerabilities, attack vectors, and defense mechanisms. Similarly, an overview of AI/ML fundamentals, including various algorithms, models, and their applications.
- Exploring how AI/ML techniques such as anomaly detection, intrusion detection and prevention systems (IDPS), malware analysis, and threat intelligence can enhance cybersecurity capabilities.
- Examining the convergence of cybersecurity and AI/ML within the context of specific emerging technologies, which may include: Internet of Things (IoT), Cloud Computing, 5G and Next-Generation Networks, Blockchain, Cyber-Physical Systems (CPS), Autonomous Systems

Resource persons

Dr. I. Mukharjee

Associate Professor, Computer Science and Engineering, BIT Mesra

Dr. Ajeet Keshri

Assistant Professor, BIT Patna

Dr. Dhananjoy Bhakta

Assistant Professor, CSE, IIIT Ranchi

Dr. Lilapati Waikhom

Assistant Professor, NERIST, Arunachal Pradesh

Dr. Biresh Kumar

Associate Professor, Amity University, Ranchi

WHY THIS FDP IS FOR YOU?

- This FDP equips participants with the essential knowledge and skills required to thrive in the industry 4.0 era, where technologies like AI and ML play a pivotal role in driving automation, intelligent decision-making and data – driven innovation.
- Further, it will help you to enhance your teaching practices by integrating AI/ML into diploma and undergraduate curricula and give you an opportunity to collaborate with experienced experts and peers to broaden your perspectives and foster innovation.