

A Faculty Development Program

on

Blockchain Technology & its Applications

15th Jan - 20th Jan , 2024

under the aegis of



Electronics & ICT Academy

IIT Roorkee

Supported by

Ministry of Electronics & Information Technology
Government of India



सत्यमेव जयते

Experts from Academia/Industry

Expert Lecture From IIT Roorkee

Principal Investigator

Prof. Sanjeev Manhas, E&ICT

Academy , IIT Roorkee

Course Coordinators

Dr. Sonali Ridhorkar

Associate Professor

&

Mrs. Priyanka Gonnade

Assistant Professor, CSE Dept.

G H Raison Institute of Engineering and Technology

Online Mode: G H Raison Institute of Engineering and Technology, Nagpur

Why this course ?

The FDP will help to disseminate knowledge in the domain of Blockchain Technology. It empowers the participants to understand the transformative world of blockchain technology. Understand blockchain's disruptive potential across industries and grasp its relevance in education, research, and beyond. Explore real-world use cases, learning how this technology fosters transparency, security, and decentralized systems. This course will give the basics of Blockchain Technology with applications.

Objectives of the course

- An understanding of blockchain concepts
- Blockchain technology network and architecture design
- Security and reliability in Blockchain Technology
- Security-related issues in blockchain technology
- Hands-on Blockchain computing with Python to better understand the working methodology
- To facilitate the effective integration of blockchain concepts into participants' teaching curricula.

Course Features

- 40 Hours of Lectures & hands-on
- Lectures from Expert Speakers, Hands-on from industry/Academia experts
- Expert talks from the industry/Academia
- Access to learning material and video lectures
- Certificate by E&ICT Academy IIT Roorkee

Focus Areas

- Introduction to Blockchain Technology and its Applications.
- Hash pointers and data structures.
- Alternative blockchains/alt chains, Ethereum consensus mechanisms, Ethereum virtual machine (EVM)
- Java Script & Python API
- Blockchain 4.0 and Blockchain Security
- Case Studies on the use cases based on the mentioned topics.

Prerequisites

- No experience is required, but fundamental knowledge of any programming language would be helpful

Registration Link

<https://forms.gle/Supmy9y1tbbNYphY9>

Registration Fee

Fees: ₹ 500/participant, non-refundable
(Applicable for all)

Note: Refund will be done in case of course cancellation only, within 20 working days

How to make payment

<https://eict.iitr.ac.in/instruction-for-payment/>

Conference Code: EICTIITR-FDP-24-03

Course Coordinators

- Prof. Sanjeev Manhas, ECE Department, IIT Roorkee
- Dr. Sonali Ridhorkar, Associate Professor, Dept. of CSE GHRIET, Nagpur
- Mrs. Priyanka Gonnade, Assistant Professor Dept. of CSE GHRIET, Nagpur

Reach Us:

Ph. No. +91-1332286457, M.No. : 8112766397,

Email: eict@iitr.ac.in