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Patron

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DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

Department of Computer Science & Engineering, NIT, Rourkela was established in 1982. Since its inception, the Department is under dynamic progress and is able to establish the reputation for imparting quality education both at undergraduate and graduate programmes. The department has well equipped modern laboratories such as Software Engineering, Distributed Object Systems, Information Security & Data Communication, Image Processing & Cluster Computing and Advanced Database Engineering Labs for pursuing research keeping in view of the technological advancement.

Defence Research and Development Organisation (DRDO)

sponsored
Five Day National Workshop
On
Web3 & Blockchain Technologies (WBT-2024)
(HYBRID Mode)
20TH – 24TH MAY 2024

Dr. S. Asha
Convener

Prof. Durga Prasad Mohapatra
Chairman

Department of Computer Science & Engineering
National Institute of Technology
Rourkela-769 008, Odisha

http://www.nitrkl.ac.in

ABOUT THE WORKSHOP

Blockchain is fast emerging as a disruptive technology solution in the areas involving multiple stakeholders, each having complex business processes implemented in unique systems and infrastructure; operating in different administrative, geopolitical boundaries. With cross-organizational workflows and complex compliance requirements, industry sectors like Healthcare, Finance, Manufacturing, International Trade, Insurance, Retail, Supply Chain, Recruitment, Media, Real-estate, and Education etc. can benefit significantly by improved operational efficiency, enhanced security, and transparency offered by blockchain implementation.

Web3 combines many blockchain-adjacent evolving technologies, including digital avatars, non-fungible tokens (NFTs), decentralized finance (DeFi) and decentralized applications (DApps). As with any influx of new technology, there's a need for new skills and talent.

Though rapid adaptation, blockchain technology practices, standardizations and research activities are in its nascent stages and evolving continuously with new tools, technologies, approaches and application strategies. In this scenario the aim of the proposed workshop is to:

➢ Offer a platform for the community to identify, discuss and collaborate on some of the central research and application avenues of the blockchain technology landscape.

➢ Help participants in developing familiarity with relevant theoretical concepts, tools, implementation strategies and current practices in the areas.

➢ Give you a deep understanding of Web3, the underlying technologies, and their applications

CONTENTS OF THE WORKSHOP

➢ Introduction to Blockchain
➢ What is Blockchain?
➢ Why Blockchain?
➢ Detailed study of Blockchain
➢ Blockchain and Bitcoin
➢ Bitcoin Mining
➢ Ethereum and working with Smart Contracts
➢ Smart Contracts and Decentralized Applications (dApps)
➢ Setting up a private Blockchain environment
➢ Creating private Blockchain with Multichain
➢ Blockchain Use Cases
➢ Introduction to Web3
➢ Understanding the Interdependence of Web3 and Blockchain
➢ Components of Web3 Ecosystem
➢ Web3 Infrastructure and Networks

REGISTRATION & FEE PARTICULARS

The registration fee for various participants for attending the workshop is given below:

Registration Type	Fees (INR)
UG / PG/ PhD Scholars	1000
Faculty from Academic Institution	2000
Industry	3000

• The students / Faculty members from NIT Rourkela are exempted from the payment of registration fee.

Bank Account details for registration

Account Name	Continuing Education, NIT Rourkela
Account No	10138951784
Bank Name	State Bank of India (02109)
Branch	NIT Campus Rourkela
IFSC Code	SBIN0002109

Registration Form:

To Complete the online registration, the participants need to fill the following google form.
https://forms.gle/97u6TSmeEkMmshS59
Certificates will be provided to the participants on successful completion of the workshop
Contact and Queries: Please send your queries directly to the convenor, email: ashas@nitrkl.ac.in

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Registration Form

1. Name: ……………………...............................

2. Designation: ………………………………………..

3. Organization: ………………………………………...

4. Specialization: ……………………………………..

5. Address: ……………………………………..………...

   ……………………………………………………...………

   Phone: ……………... Mob: ……..…………………..

   E-mail: …………………………………………………..

6. Accommodation Required: YES/NO

   If Yes, Pl. specify Guest house/Hostel

7. Gender: Male/Female

8. Registration Fee Details:

   Amount: Rs ………………

   DD No: ………………... Drawn on………………….

   Branch…………………………………………………..

Place:

Date: Signature of the Applicant