



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON

Smart Contract Mastery: Pioneering the Future of Blockchain Applications
(25th March – 5th April 2024)

Organized by
Department of CSE, NIT Warangal
in association with
E & ICT Academy, NIT Warangal

Sponsored by
Ministry of Electronics and Information Technology (MeitY), GoI.

Preamble:

“Electronics & ICT Academy” was set up at NIT Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programmes (FDPs) in standardized courses and emerging areas of electronics, information communication technologies, training and consultancy services for Industry, curriculum development for Industry, CEP for working professionals, advice and support for technical incubation and entrepreneurial activities.

This Online FDP is devoted to address the need to enhance the knowledge about the latest development pertaining to **Smart Contract and Blockchain Technologies** is being conducted at the **Department of CSE, NIT Warangal**. The whole course is handled by academicians and industry experts.

Major Course Contents:

- Blockchains - Current and Future Applications from a Swiss Perspective
- Information Attestation and Multi-Protocol Storage for the Web
- Blockchain Interoperability - a Cross-Chain Query Language
- Decentralized Business Networks and Processes Based on Modelling and Blockchain
- Open and Permission less Blockchains - A Swiss Perspective
- Hybrid Architectures for Blockchains and the Cloud - Technical Architectures
- Blockchain Applications for Business and Business Process Modeling
- Introduction to Smart Contracts
- Training on Solidity Language
- Practical Sessions on developing Ethereum Smart Contracts
- Introduction to Testing
- Bounded Model Checking for Smart Contract
- Fuzzing for Smart Contract
- Dynamic Symbolic Execution for Smart Contract
- Practical Sessions on testing tools

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IIITs/Abroad are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

Eligibility:

The program is open to the faculty of engineering colleges, MCA colleges and other allied disciplines in India. industry personnel working in the concerned/allied discipline can also attend.

Registration Fee Particulars:

Faculty, Research Scholars, and Industry Participants	Rs. 1000/-
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Participants need to pay the registration fee online using the following details

Online Transfer Details
Account Name: Electronics & ICT Academy NITW
Account No: 62423775910
IFSC: SBIN0020149
Bank and Branch: State Bank of India, NIT(REC) Warangal

How to apply:

Participants are required to fill the online registration form by clicking on the following link: <https://forms.gle/5RUGrELmbJpukYf1A>

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 100 (hundred). The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD/online payment will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date for submission of Application	20 / 03 / 2024 (11:59 PM)
Selection List by E- mail	22 / 03 / 2024 (11:59 AM)
Duration	25 /03 / 2024 (Monday) to 05 / 04 / 2024 (Friday)

About NIT Warangal:

National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech. degrees in various branches of engineering, M. Tech. and Ph. D. programs in various specializations. All B. Tech. and M. Tech. programmes of NIT Warangal are NBA accredited.

Coordinator(s):

Dr. Sangharatna Godbole, Assistant Professor, NIT Warangal
Dr. Sanjaya Kumar Panda, Assistant Professor, NIT Warangal



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