FACULTY DEVELOPMENT PROGRAMME(FDP) ON

BLOCKCHAIN AND IT'S USE CASES
(08-07-2022 to 18-07-2022)

Organized by
E & ICT Academy, NIT Warangal
in association with
Academy of Maritime Education and Training (AMET)
Kanathur, India.
(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's role is to offer Faculty Development Programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, Training & Consultancy Services for Industry, Curriculum Development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

About the FDP:
Blockchain is an emerging platform for developing decentralized applications and data storage, over and beyond its role as a platform for cryptocurrencies. Blockchain is a growing list of records, called blocks, which are linked using cryptography to keep exchanges secure. Blockchain provides a decentralized database, or "digital ledger", of transactions that everyone on the network can see. This network is essentially a chain of computers that must approve an exchange before it can be verified and recorded. The use of a Blockchain removes the characteristic of infinite reproducibility from a digital asset. It confirms that each unit of value was transferred only once, solving the long -standing problem of double spending. This technology is implemented in various real - time applications. Crypto currencies, in particular the first and well - known Bitcoin and others such as Ethereum are canonical examples of Blockchain paradigms.

This Faculty Development Programme aims to impart knowledge about blockchain technology. Experts from academia and industry have been invited to deliver lectures about the different aspects of blockchain technology. This FDP will provide a basic understanding of all the above aspects of blockchain technology. It will provide a comprehensive understanding on the contemporary cryptographic approaches and their utilization in blockchain applications that will help faculty to also pursue application development and research in this direction.

Major Course Contents:
- **Introduction to cryptographic primitives**
- **Advanced cryptographic techniques**
- **Introduction to Blockchain**
- **Blockchain platforms**
- **Permissioned and Permissionless Blockchains**
- **Consensus algorithms**
- **Security analysis of Blockchain**
- **Smart contracts**
- **Hyperledger**
- **Scripting languages**
- **Blockchain applications**

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 are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

Registration Fee Particulars:

Faculty and Research Scholars	**Rs. 750/-**
Industry Participants	**Rs. 2250/-**

Participants need to pay the Registration Fee Online using the following Details:

Online Transfer Details
Account Name: Electronics & ICT Academy NITWAccount 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:
www.shorturl.at/oMVWX

Selection Criteria:
Selection will be done based on first-come-first-serve basis to a maximum number of 60 (sixty). Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD 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 (Application &DD)	**06-07-2022**
Selection List by E- mail	**07-07-2022**
Duration	**08-07-2022 to 18-07-2022**
Timings	**02.00PM – 06:00PM**

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.Dprogrammes in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About Academy of Maritime Education and Training-AMET
India's first Maritime Deemed to be University for maritime-related education, training and research. AMET serves as an ocean of knowledge for students pursuing Programmes ranging from diploma to Doctoral programs through 7 schools and 2 intensive research and training centers. Equipped with an excellent infrastructure for research and development, co-curricular and extracurricular activities AMET secured its compliance certificate for ISO 9001:2015 QMS standards from the prestigious and globally renowned DET NORSKE VERITAS, Norway. The NAAC an autonomous institution of the University Grants Commission has assessed AMET and accredited with A Grade during September 2021. The accreditation is an indication of standards of quality as set by the NAAC and valid for a period of five years from 13-09-2021.

About Department of Computer Science & Engineering
The Department of Computer Science and Engineering was established in the year 2007 with the commitment to prepare competent graduates who would be up to the challenge of implementing viable and sound IT solution specifically in marine, nautical and shipping application domains. Department also offers B.E. degrees in various branches of engineering, B.Sc. Degree and Ph.D. Programmes, the curriculums are designed to stimulate the students' urge for learning and are nurtured to cater to the demands of industry.
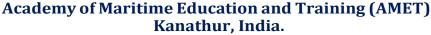
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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :
6.

Reference No:
Amount:
Bank:
Date:

7. Address for Correspondence:

8. Educational Qualification:

9. Subjects taught so far:

10. No. of refresher courses/workshops attended:

11. Experience (in years):

Teaching: Research: Industry:

12. Do you belong to SC/ST : YES/NO

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms. …………………………………... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **"BLOCKCHAIN AND IT'S USE CASES"**, sponsored by Electronics & ICT Academy during **08-07-2022 to 18-07-2022** at Academy of Maritime Education and Training (AMET), 135, East Coast Road, Kanathur - 603112, India.

Signature of Head of Institution
(with seal)

Address for correspondence
Post your application form

Dr. N. Duraimutharasan, Professor & Head,
Department of Computer Science & Engineering
Academy of Maritime Education and Training (AMET),
135, East Coast Road,
Kanathur - 603112, India.

It is requested to all the delegates, after completion of application form, all the payment details, screenshot of the payment and scanned application form has to be uploaded in the following online registration link.

Registration Link:
www.shorturl.at/oMVWX

For more details about Electronics & ICT Academy, NIT, Warangal, please visit: https://nitw.ac.in/eict

For more enquiries please contact:
Mobile: 07358320176, E-Mail: hodcs@ametuniv.ac.in

Coordinators

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