BLOCKCHAIN TECHNOLOGY-THE TRUST OF CYBERSECURITY

(03rd - 08th February, 2020)

Organized by

E & ICT Academy, National Institute of Technology, Warangal

at

TKR Engineering College, Hyderabad

(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, Govt. of India (GoI). The jurisdiction of this academy is Telangana, Andhra Pradesh, Andaman and Nicobar Islands, Goa, Pondicherry and Karnataka states/UTs. This academy role is to offer faculty development programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, Curriculum development for Industry, Training & Consultancy services for Industry; CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

As part of this initiative, a Faculty Development Programme (FDP) on "Blockchain Technology" is being conducted at Teegala Krishna Reddy Engineering College, Hyderabad for the Faculty members of engineering colleges, industries and research laboratories.

What simply started as the technology behind Bitcoin, has taken over the world today. Blockchain technology has seeped into every sphere of our lives from banking to healthcare and beyond. Cyber security is an industry which has been significantly impacted by this technology with a scope for more in the future. In Alex Momot's words, 'By removing much of the human element from data storage, blockchains significantly mitigate the risk of human error, which is the largest cause of data breaches.'

Major Course Contents:

- **Block chain Theory-Distributed Ledger Technologies (DLT)**
- **Block chain network and architecture design**
- **Peer-to-Peer Networks, Peer-to-Peer communication protocols**
- **Cyber-attacks to block chain**
- **Security and reliability in Block chain**
- **Security and reliability in Block chain**
- **Privacy and trust in block chain**
- **Security related issues in block chain**
- **Cryptographic algorithms and protocols**
- **Hands on session on the above topics will be provided.**

Faculty Conducting this Programme:

The programme will be conducted by the faculty members from NIT Warangal. Academicians from **IITs/NITs/IIITs** in concerned field are invited to deliver lectures in the programme. Speakers from industries are also expecting to deliver lectures.

Eligibility:

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

Organized at:

The programme will be coordinated and conducted by CSE & IT department, Teegala Krishna Reddy Engineering College, Hyderabad, Telangana.

Accommodation:

No TA/DA will be paid to the participants. Accommodation is arranged for outstation participants. Working Lunch, Tea & Snacks would be provided during the training at TKREC campus.

Venue: E-Classroom, Department of CSE, TKREC Hyderabad.

Registration Fee Particulars:

- **Faculty/Research Scholars** : Rs. 2,500/-Only
- **Industry participants** : Rs. 7,500/-Only

Participants need to pay the Registration fee either in the form of Demand Draft (DD) or Online Transfer using the following details

DD Details	Online Transfer Details
Demand Draft in favor of "Electronics & ICT Academy NITW, NIT Warangal" payable at any bank in Warangal	Account Name: Electronics & ICT Academy NITW Account No.: 62423775910 Name : State Bank of India Branch: REC Warangal IFSC: SBIN0020149

How to Apply:

A filled in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with DD/Online Transfer Receipt) should reach the coordinator by speed post. It is also mandatory to send scanned application form & DD/ Online Transfer receipt through email to phanik16@gmail.com as selection will be intimated only through mail.

Selection Criteria:

Selection will be done based on *first-cum-first-serve basis* and the confirmed candidates will be notified immediately. The maximum number of participants will be **50 (fifty)**.Additionally10participantsfromindustry are allowed to participate. The list of selected participants will be sent to their personal *e-mail* ids. In case a candidate is not selected, the demand draft will be sent back. A test will be conducted at the end of the course. Candidates will be issued satisfactory certificate on successful completion of the course. Reservations are followed for selecting candidates as per **GOI** norms.

Important Dates:

Last date for submission of application: **24th January, 2020**
Selection-list intimation/display before: **30th January, 2020**
Duration of Program : **3rd to 8th Feb 2020**

About NIT Warangal:

National Institute of Technology (formerly Regional Engineering College), 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 Institution imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech & Ph.D programs in various specializations.

About TKREC Hyderabad:

TKR Engineering College – a modern temple of learning, an off shoot of the TKR Educational Society was established in the year 2002 in a sprawling, lush green 20 acre campus at Meerpet, Hyderabad. The college provides a serene and tranquil environment to the students, boosting their mental potential and preparing them in all aspects to face the cut- throat global competition with a smile on the face and emerge victorious.

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Organized by

E & ICT Academy, National Institute of Technology, Warangal

at

Department of Computer Science & Engineering and Information Technology, TKREC, Hyderabad

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

APPLICATIONFORM

1. Name of the Applicant:

2. Designation :   3. Institution   :

4. E-mail ID   :   5.Mobile No.   :

6. Category   7. Payment Mode

   ☐ Faculty/Scholars   (Rs.2,500/-)   ☐ DD /Online Transfer Receipt No:_____

   ☐ Industry Participants   (Rs.7,500/-)Bank:_____   Date:_____

8. Address for Correspondence: 9. Subjects taught so far:

10. Educational Qualifications with specialization:

11. No .of refresher courses/workshops attended:

12. Experience (in years) : [   ]   Teaching [   ]   Research [   ]   Industry [   ]

13. Do you require accommodation during Training :**YES/NO**

14. Do you belong to   **SC** [   ]   **ST** [   ]

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.

Place   :

Date   :   **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 **"Block chain Technology-the trust of cyber security"** sponsored by Electronics & ICT Academy from 03rd to 08th February 2020, at Teegala Krishna Reddy Engineering College, Hyderabad, Telangana.

Place   :

Date   :   **Signature of Principal/Head of Institution**

Address for correspondence

Post your application form along with DD/NEFT Receipt to

Dr. Ch.V.Phani Krishna , Professor, Dept. of CSE, Teegala Krishna Reddy Engineering College, Hyderabad, TS– 500097.
Email: phanik16@gmail.com
Mobile: 9866375634

For Any Queries

Dr.**J.Praveen**	**Dr. K.Bhargavi**
Associate.Prof.	Associate Professor
Dept. of IT	Dept. of CSE
,TKREC	TKREC,
Hyderabad.	Hyderabad

For more details about Electronics and ICT academy please visit: **http://www.nitw.ac.in/eict/**

Coordinator-1	Coordinator-2
Dr. E. Suresh Babu	Dr. Ch. V. Phani Krishna
Department of CSE	Department of CSE
National Institute of Technology, Warangal.	Teegala Krishna Reddy Engineering College
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