



FACULTY DEVELOPMENT PROGRAMME (FDP) ON **BLOCKCHAIN AND IOT**

(12-07-2021 to 22-07-2021)



Organized by
E & ICT Academy, NIT Warangal
in association with
Vasavi College of Engineering (Autonomous), Hyderabad
ACCREDITED BY NAAC WITH A++ GRADE
Under the Scheme of Electronics & ICT Academy

(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:

Internet of Things (IoT) is one of the most exciting trends and innovation in the recent history of technological advancement covering a wide range of applications like healthcare, entertainment, appliances control & utility services, security, defense, traffic management, transportation, home & industrial automation, remote monitoring, smart cities, smart farming, smart grid etc. IoT is the network of physical devices accessed through the Internet.

This Faculty Development Programme aims to impart knowledge about the real-time applications of IoT among the teaching community. Experts from academia and industry have been invited to deliver lectures about the current and emerging trends in IoT and Blockchain technology. The FDP will focus on theoretical and hands-on experience in IoT and Blockchain Technology to interface the things for different applications using Raspberry Pi/Arduino/Intel Galileo toolkits with devices such as LEDs, sensors, actuators etc.

Major Course Contents:

- Introduction to cryptographic primitives
- Advanced cryptographic techniques
- Introduction to Blockchain
- Blockchain platforms
- Permissioned/ Permission-less Blockchains
- Security Analysis of Blockchain
- Smart Contracts
- Bblockchain applications
- Introduction to IoT and its applications in the fields such as Agriculture, Healthcare etc.
- Lora WANN communication
- IoT using Raspberry and Python
- Lightweight Cryptography
- Overview of Blockchain for IoT devices
- Use cases of Block chain for IoT environment
- Blockchain Interoperability
- Blockchain variants like Ethereum, Monero and its applications
- Connectivity Technologies for IoT
- Emerging Opportunities in Blockchain and IoT

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 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/c9Wkbnf4J7NwSbyu6>

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)	30-6-2021
Selection List by E- mail	06-07-2021
Duration	12-07-2021 to 22-07-2021
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.D programmes in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About Vasavi College of Engineering

Founded in 1981 by Vasavi Academy of Education, Vasavi College of Engineering (VCE) represents a rich tradition of excellence in technology-based education. A premier-league institution among the affiliates of Osmania University, VCE owes its vision to Sri Pendekanti Venkata Subbaiah, a veteran statesman of Independent India. VCE has been conferred with Autonomous Status by the University Grants Commission (UGC), New Delhi and Osmania University, Hyderabad for a period of six years with effect from the Academic Year 2014- 15, for all the UG and PG Programmes. The College is implementing Choice Based Credit System (CBCS).

Accredited by NAAC with A++ Grade.

About The CSE Department

The Department of Computer Science & Engineering was started in the year 1994 offering a 4Year B.E. course with an annual intake of 180 students and offers 2 year M.Tech .course with an annual intake of 18 students. The department has well qualified and experienced faculty. The students are placed through campus recruitment in reputed organizations Microsoft, Accolite, Oracle, Pega Systems, Adtran, NCR, Deloitte, Qualcomm, Servicenow , Infosys, Cognizantetc. Osmania University has identified the department as a Research Center. Two Professors in the department are recognized as research supervisors for guiding Ph.D. students. We also offer value added courses in the form of CISCO Local academy to meet the contemporary market demands. As apart of continuing education, the department organizes various guest lectures, seminars and workshops, Conferences by inviting people from Academia & Industry.



APPLICATION FORM
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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 IoT**”, sponsored by Electronics & ICT Academy during **12-07-2021 to 22-07-2021** at Vasavi College of Engineering, Hyderabad

Signature of Head of Institution
(with seal)

Address for correspondence
Post your application form

Dr. T.Adilakshmi Professor & HOD

Department of Computer Science & Engineering
Vasavi College of Engineering (Autonomous)
Ibrahimbag, Hyderabad-500031, Telangana State, 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:

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

For more enquiries please contact:

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Coordinators

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