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Faculty Development Program

on

Blockchain Technology: Architecture & its Application

14th - 18th June, 2021

(Online Mode)



Supported & Sponsored by

Dr. APJ Abdul Kalam Technical University
Lucknow, Uttar Pradesh

Organized by

Department of Information Technology
ABES Institute of Technology, Ghaziabad

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About Institute

ABES Institute of Technology (AKTU College Code 290) embarked on its mission in the field of Technical Education in the year 2007. It is situated on a prominent location at National Highway-09, near Delhi-Ghaziabad Border. The Institute campus is decent, green, clean with world class infrastructure for which it has been awarded consecutively 7th Rank in all India for Swachh Campus Ranking 2017 and 6th Rank in all India for Swachh Campus Ranking 2018 by AICTE/MHRD, Govt. of India. Institute has established the Institution Innovation Council (IIC) under the direction and norms of Innovation Cell, Ministry of Education, Govt. of India in 2019. Based on the activities conducted, ABESIT IIC has been awarded 4 stars in 2019 and 4.5 stars in 2020 by MoE Innovation Cell & AICTE.

ABESIT's 08 Centres of Excellence covering the different field of engineering like Big-Data, IoT, Embedded System, Power, Electronics, Automation, Robotics, AI-ML, etc. in collaboration with BOSCH/FESTO/TEXAS/ENTUPLE/EduGrad are exposing students with latest corporate developments & requirements to make them industry job fit. Teaching learning atmosphere in the campus has shown its impact on overall performance of the students in Smart India Hackathon 2017, 2018, 2019 and 20 consecutively conducted by AICTE organized by MHRD. Innovative minds of the students of ABESIT got them First Rank in "Kalam Entrepreneurship League" in July-August 2018, Govt. of India shortlisted Institute for its Flagship program- "Unnat Bharat Abhiyan", which shows commitment of Institute to service and support the rural development. Institute's Three Programs - B. Tech. (CSE), B. Tech. (IT) & B. Tech. (ECE) are NBA accredited for academic year 2019-20, 2020-21 and 2021-22.

About Department

The Department offers Bachelor of Technology program (NBA Accredited) in Information Technology. The faculty and staff members of Department are well qualified and efficient in guiding the students in every field of the Information Technology. The area of Information Technology aims at design, implementation and management of computer-based information systems. These automated information systems are capable of storing, transmitting and retrieving of all types of complex data. The Department develops IT Graduates having good problem-solving capabilities, communication skills and habit to learn new technologies. Apart from prescribed university curriculum, focus is on practical and skill-based training to ensure that students grow according to changing market scenario. Department of IT has fully enriched center of excellence in Data Science, Artificial Intelligence and Machine Learning equipped with super processing computing. The Department organizes Hacknivate version every year to bring out the excellence of student in the emerging areas.

Objectives

- To make the participants understand the basic concepts and utility of Blockchain.
- To make the faculty members analyze and realize the needs of Blockchain in the Financial, International Trade and Govt. sectors etc.
- To provide the faculty members sufficient training and hands on Ethereum blockchain, Smart Contracts, writing a smart contract in Solidity language, DAPP.

Schedule of FDP

Date	Time
14 June 2021 to 18 June 2021	09:30 AM - 11:30 AM 11:45 AM - 01:45 PM 02:45 PM - 04:45 PM

Course Content

- Introduction to Blockchain Technology
- Blockchain Platforms
- Permissioned / Permission-less Blockchains
- Security Analysis of Blockchain
- Types of Blockchains
- Bitcoin
- Basic consensus mechanism
- Proof of work
- Ethereum blockchain
- Smart Contracts
- Decentralized Applications (DAPP).
- Ganache
- Metamask
- Use cases in public, finance, healthcare, and governance
- Hyperledger Fabric
- Emerging Opportunities in Blockchain

Who can Register

The FDP is open to the faculty members, Government and Industry persons of all the disciplines of Engineering and Science. However, faculty members and research scholars engaged in Ph.D will be greatly benefited.

Registration Link: <https://bit.ly/3t05TIO>

Contact: For any Query please feel free to contact

Dr. Kaushal Kishor Mob: +91 9999 7926 88
Ms. Shivani Sharma E-Mail: fdpit@abesit.edu.in

Note

Please note that registrations will be accepted on first come first serve basis. E-certificates will be given to all dedicated participants on completion of the course

Expert Speaker and Trainer (Resource Person)

S.No	Name	Organization/Institution Name
1	Dr Sudeep Tanwar	Professor, Department of CSE, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India.
2	Dr. Dinesh Kumar Saini	Professor, Department of CSE, Manipal University Jaipur, Rajasthan, India
3	Dr. Ashok Kumar Das	Ph.D (IIT, Kharagpur), Associate Professor, IIIT, Hyderabad, India.
4	Dr. Gautam Kumar	Associate professor, Dept. of CSE, CMR Engineering College, Hyderabad.
5	Dr. Bipin Kumar Rai	Professor, Department of Information Technology, ABESIT, Ghaziabad.
6	Mr. Vipin Gupta	Director U-Net Labs Private Ltd Chandigarh.
7	Mr. Gaurav Kumar	Director Magma Research and Consultancy Services Ambala Cantt., Haryana