

About the FDP

Blockchain is an emerging technology platform for developing decentralized applications and data storage, over and beyond its role as the technology underlying the cryptocurrencies. The basic tenet of this platform is that it allows one to create a distributed and replicated ledger of events, transactions, and data generated through various IT processes with strong cryptographic guarantees of tamper resistance, immutability, and verifiability. The widespread popularity of digital cryptocurrencies has led the foundation of Blockchain, which is fundamentally a public digital ledger to share information in a trustworthy and secure way. The concept of Blockchain have now spread from cryptocurrencies to various other domains, including business process management, smart contracts, IoT and other various applications.

This FDP is the joint venture between academia and industry. It is going to be organized in association with **Blocklogy Edutech Private Limited, Navi Mumbai** where the target is to cover both the conceptual as well as application aspects of Blockchain. This includes the fundamental design and architectural primitives of Blockchain, the system and the security aspects, along with various use cases from different application domains.

About the GTU- Graduate School of Engineering and Technology

In the year of 2017, GTU has started AICTE approved PG course, ME in Computer discipline (specialization in Cyber Security) and in the year of 2018, another PG course, Master of Engineering in Electronics and Communication discipline (specialization in Mobile Communication and Network Technology) has been started. Both these courses run under GTU-Graduate School of Engineering and Technology (GTU-GSET) with the vision of providing excellent technical knowledge and preparing competent man-power in the respective specialization.

Following are salient features of the courses run under GTU-GSET:

- Courses run by state government university (GTU).
- Admission through ACPC.
- Courses run in academic campus of GTU located in Gandhinagar.
- Courses guided and acknowledged by senior academicians and industry experts in capacity of advisors.
- Chance for students to showcase their talent by arranging student led programs.
- Easy access to conferences and workshops organized by GTU in campus itself, elsewhere in India and abroad.
- Live research projects proposed by regulatory bodies and industries.
- 100% Placement possibilities.
- Guest lectures by various industry experts and academicians.
- Excellent digital and physical library facility.
- Hostel facility is available for boys and girls.

About the GTU

Gujarat Technological University (GTU) is the largest government university in Gujarat, catering to the fields of Engineering, Business Management, Computer Science, Pharmacy and Architecture. GTU is having a pool of more than 5,00,000 students and 18,000 professors teaching in more than 500 affiliated colleges/institutes across the state of Gujarat.

GTU has initiated number of innovative policies and it has put in place systems to develop GTU into a great university. Today GTU is considered as the benchmark among the technological universities of India. Its industry-oriented academic programs and its efforts for establishing and maintaining an active relationship with industries and businesses through GTU Innovation Council has been recognized as the most successful effort in the country.

GTU has established fourteen Post-graduate Research Centres, including the Centre for Infrastructure, Transport and Water Management, Centre for Environmental and Green Technologies and Centre for Environment and Energy Efficiency. The Innovation Council of GTU is well known in the country for its initiatives in grass root innovation work by the engineering students for solving problems of SME industrial units located throughout Gujarat. Intensive innovation efforts resulted in many patentable outcomes. GTU's Policy Documents for Student Start-up Development and for Skill Development Mission are being used by universities all over India.



Gujarat Technological University
Graduate School of Engineering and Technology
& PG Research Centre for Cyber Security

Faculty Development Program on
**“Hands-on training on
Blockchain Technology and
its applications”**

10 to 14 February 2020



Under Information Security Education and
Awareness (ISEA) Project Phase II

at

GUJARAT TECHNOLOGICAL UNIVERSITY
Chandkheda Campus, Nr. Vishwakarma
Government Engineering College,
Visat - Gandhinagar Highway, Chandkheda,
Ahmedabad - 382424 - Gujarat.

Topics

- Multiple Use-Cases of Blockchain as per different industries and government
- Digital Signatures and Demo of Blockchain Tools
- Practical Hands-On with Smart Contracts
- Developing Smart Contracts
- Industry use cases of Smart Contracts
- Developing own Smart Contracts
- Programming basics of Solidity (Data Types) and Advanced Solidity
- EVM in relation with Smart Contracts and Gas Price
- Running and Debugging Smart Contracts in Remix (Detailed)
- Deploy and Debug Smart Contract with Truffle
- Smart Contracts in Ethereum Blockchain

Who can attend?

- Faculty members of Degree/Diploma level engineering colleges/universities recognized by AICTE/UGC and from following disciplines: Computer Engineering, Computer Science and Engineering, Computer Technology, Information Technology, Information & Communication Technology and Electronics & Communication.
- Faculty members of MCA/BCA colleges/ university departments running MCA/ BCA course recognized by AICTE/UGC.

Important Dates:

Event On: 10th to 14th February 2020

Last Date of Registration : 6th February 2020

Notification of Acceptance: 6th February 2020

Registration and Guidelines

Registration Fee

Faculty Members/Academician: Rs. 500/-

Industry Delegate: Rs. 1,000/-

Registration fee will includes registration kit, breakfast, lunch and study material.

FEES SHALL NOT BE REFUNDED or TRANSFERRED IN ANY CASE.

Online Payment Process:

All payment must be made online using given link:

<https://www.onlinesbi.com/prelogin/institutiontypedisplay.htm>

Step 1: State of Corporate/Institution: Gujarat

Step 2: Type of Corporate/Institution: Educational Institutions

Step 3: Educational Institutions Name: GUJARAT TECHNOLOGICAL UNIVERSITY

Step 4: Select Payment Category: Registration Fees for Conference

Step 5: FDP Name: GTU-FDP 2019

Step 6: Fill in your personal details and select the mode of payment

Step 7: At the end, collect the Payment Ref. No. starting with DU”.

Step 8: Using Payment Ref. No. fill in the online Delegate Registration Form.

Step 9: Save your payment receipt and mail it to ap1_mcw@gtu.edu.in

For instructions and query related to online payment, kindly refer:

<http://www.gtu.ac.in/ImpCircular/SBIPayment%20Instructions.pdf>

Registration Guideline:

Kindly make sure to keep Payment Ref. No. with you while registering.

Kindly visit following link to register yourself for the FDP:

<https://forms.gle/amCEqv8hVafGrFB29>

- Limited Seats available and confirmation will be done on first-cum-first serve basis
- Participants have to carry their ID card.

Management Committee

Chief Patron

Prof.(Dr) Navin Sheth

Hon'ble Vice Chancellor

Gujarat Technological University

Patron

Dr. K. N. Kher

Registrar, Gujarat Technological University

Convener

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DR. Komal Borisagar, Associate Professor

Organizing Committee

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Ms. Rutika Ghariya, Assistant Professor

Mr. Deepak Upadhyay, Assistant Professor

Mr. Hemal Nayak, Assistant Professor

Mr. Raj Hakani, Assistant Professor