

About the FDP

Blockchain Technology is likely to change the IT and particularly information security domain in the same way as open source technology did before few years ago. It is providing cost effective solutions and more efficient ways to share the information and data between private and public business networks. Blockchain is a distributed ledger technology that provides a mechanism to store the confidential information in encrypted form in blocks of chain on thousands of global servers. It also allows anyone on the network to see and verify other's entries in real time. One attracting property of blockchain is that once a block of transactions is verified by consensus, approved and stored in chain then it cannot be altered or deleted. Blockchain Technology is widely used in Banking, Cryptocurrencies, E-governance, Healthcare, Insurance Claim Processing, Internet-of-Things, Property Records, Smart Contracts, Supply Chain Sensors, Voting etc.

There is much scope of research and many areas in Blockchain Technology are unexplored. This particular FDP will certainly be beneficial to the participants to conceptually understand this technology and for further research.

About the GTU– Graduate School of Engineering and Technology

GTU has started Graduate School of Engineering and Technology (GSET) with AICTE approved post graduate course in computer discipline (specialization in Cyber Security) in the year of 2017. GSET has also started another post graduate course in Electronics and Communication discipline (specialization in Mobile Communication and Network Technology) in the year of 2018. Both of these courses have been run under Gujarat Technological University – 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. All courses run under GTU -GSET have intake of 30 students.

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

- GTU-GSET is an university managed-govt. institute
- Admission through ACPC.
- Courses are run in academic campus of GTU.
- GSET students are guided and acknowledged by senior academicians and industry experts in capacity of advisors.
- Students are facilitated to showcase their talent by arranging various 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.
- Highest Placement opportunities.
- State of art library facility.
- On campus hostel facility is available for boys and girls.

About the GTU

Gujarat Technological University is a premier academic and research institution which has driven new ways of thinking since its 2007 founding, established by the Government of Gujarat vide Gujarat Act No. 20 of 2007. Today, GTU is an intellectual destination that draws inspired scholars to its campus, keeping GTU at the nexus of ideas that challenge and change the world. GTU is a State University with 486 affiliated colleges in its fold operating across the state of Gujarat through its FIVE zones at Ahmedabad, Gandhinagar, Vallabh Vidyanagar, Rajkot and Surat. The University caters to the fields of Engineering, Architecture, Management, Pharmacy and Computer Science.

The University has about 4,00,000 students enrolled in a large number of Diploma, Under Graduate, Post Graduate programs along with the robust Doctoral program. GTU has emerged as an International Innovative University in its pursuit of bringing innovation and internationalization in professional education. Within a really short span it has achieved several national accolades for its endeavour in bringing excellence in professional education. GTU is a pioneer in introducing some innovative learning methodology like "Active Learning", a classroom created online. The GTU Innovation Council is the most active and applauded for its work in the country engaged in training, developing and nurturing the young minds towards an ideology to innovate. GTU has the largest International Experience Program in collaboration with the universities of US, Canada, China and Germany, which offer a unique opportunity to the students to enhance their capabilities and capacities in a global perspective. GTU's Research Week, a unique concept, is an evaluation process of dissertations of Master's and Doctoral Program students involving Experts from the Universities across the Globe. GTU's Contributor Personality Development Program and the Bridge Course nurture the students with the essential life skills along with the technical knowledge to enable them develop as an individual and a successful professional in the competitive world. The Industrial Training and Placement Cell transforms a knowledge seeker into a sought after professional.



Graduate School of Engineering and Technology

Gujarat Technological University

(Established by Government of Gujarat Under Gujarat Act No. 20 of 2007)

Organizes

Online Faculty Development Program

on

BLOCKCHAIN TECHNOLOGY: CHALLENGES AND OPPORTUNITIES

(From 31st Aug., 2020 to 4th Sept., 2020)



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

GUJARAT TECHNOLOGICAL UNIVERSITY

Chandkheda Campus, Nr. Vishwakarma

Government Engineering College,

Visat - Gandhinagar Highway, Chandkheda,

Ahmedabad – 382424, Gujarat.

www.gtu.ac.in

www.set.gtu.ac.in

Event Topics

Apart from introductory information about Blockchain, major topics that will be covered in this Faculty Development Program are,

- ⇒ Structure of a Blockchain, Smart Contracts, Consensus
- ⇒ Implementation of Blockchain Technology using Java Scripts
- ⇒ Hands-on of Bitcoin Generation
- ⇒ Blockchain Data Management for Big Data Applications
- ⇒ Blockchain enabled DESY Skillchain for Decentralized Education System
- ⇒ Deploying Smart Contract with Remix
- ⇒ Making a Daap using Truffle

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

FDP from 31st August 2020 to 4th September, 2020

Last Date of Registration: 28th August, 2020

Notification of Acceptance: 29th August, 2020

Registration and Guidelines

Registration Fee

- Faculty Members/Academician: Rs.200/-
- Industry Delegate: Rs.400/-

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/sbicollect/icollecthome.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: Other Fee_Grant

Step 5: Fill in your personal details and select the mode of payment

Step 6: At the end, collect the Payment Reference Number. starting with DU”.

Step 7: Write this Payment Reference Number in the Online Registration Form.

Step 8: Upload the online payment receipt in the Online Registration Form

Online Registration

Open: <https://forms.gle/cvSpNRBprf83Po64A>

OR

Scan:



- Limited Seats available and confirmation will be done on first-cum-first serve basis

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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