

PROGRAMME OBJECTIVE

Blockchain technology has been envisaged as revolutionary technology that will potentially change finance industry, supply-chain, health-care, e-governance, etc. It enables entities to exchange goods, services, etc. without any trusted intermediary. The development of Internet of Things (IoT) based applications have certain challenges with respect to security and privacy preservation of IoT devices. The term “security” now not only applies to the security of “information”, but it applies to the security of humans (e.g., to protect from malicious behaviour of smart healthcare), cyber physical systems, networks, etc. from adversaries. The STTP is aimed to assist participants from academia and industry as well as PG/PhD students about emerging research topics in the area of blockchain technology and its applications in the Internet of Things. The STTP also includes hands on sessions on implementation of blockchain technology for secure Internet of Things based Applications.

The indicative pools of topics to be covered are as follows but are not limited to:

- Introduction to Blockchain Technology and Internet of Things.
- Cryptographic Primitives in Blockchain
- Evolution of Blockchain Technology
- Blockchain & Distributed Ledger Technology
- Smart Contracts and distributed Applications
- IoT Application Development
- Distributed Consensus Mechanisms
- Green Computing in IoT
- Amazon S3 using Qwiklabs: An IoT Perspective
- Blockchain as a Service for IoT
- Hands on Smart Contracts and DApps.
- Security and Privacy issues in Internet of Things
- Secure Key Agreement Protocol in IoT
- Authentication in Secure Group Communication

SPEAKERS

Eminent speakers are from various prestigious institutions such as IISc, IIT, NIT, research organizations, industries as well as faculties from host institutions.

PROFORMA FOR REGISTRATION FORM

Name (In Block Letters): _____

Gender: _____

Designation: _____

Institutional Address: _____

Highest Qualification: _____

Teaching Experience: _____

Area of Specialization: _____

Research Interests: _____

Address for Correspondence: _____

Tele/Fax & Mobile No. _____

Email: _____

Online Payment Receipt No: _____

dated _____

Date: _____ **Signature of Applicant**

The candidate Mr/Mrs/Dr/Prof _____ is

hereby officially permitted by this institute to attend the ONLINE STTP titled “**Blockchain Technology and Its Application in Internet of Things (BTIoT-2020)**” during the period December 7th – 11th, 2020 at SVNIT Surat, Gujarat.

DIRECTOR/PRINCIPAL

SEAL

TEQIP-III Sponsored One Week ONLINE Short Term Training Programme (STTP)

On

Blockchain Technology and Its Applications in Internet of Things (BTIoT-2020)

7th to 11th December, 2020

Course Coordinators

Dr. Balu L. Parne
Dr. Keyur Parmar
Dr. Udai Pratap Rao



Organized By

Computer Engineering Department
Sardar Vallabhbhai National Institute of Technology (SVNIT)
Ichchhanath, Surat-395007, Gujarat, India.
Ph. +91 261 2201592, 2201768
Email: btiot2020@coed.svnit.ac.in

ABOUT THE INSTITUTE AND SURAT CITY

The institute, one of the pioneering engineering institutions of the country, was established in 1961 as Sardar Vallabhbhai Regional College of Engineering & Technology and was given a status of National Institute of Technology, in 2002. At present, there are six undergraduate courses, seventeen postgraduate courses and Ph.D. programmes in all disciplines of engineering and applied sciences. It has an excellent placement record with a number of top ranking companies visiting the campus. The whole campus has connectivity of the internet with fiber optic network including faculty quarters and student hostels.

The institute is located at Surat, about 260 kms North of Mumbai and is very well connected by rail and road links to Mumbai as well as Ahmedabad (250 kms) / Vadodara (150 kms). The institute is approximately 10 kms away from Surat Railway Station and 10 kms from the Surat Airport (STV). Surat is the industrial city with historical importance and is well known for Textile, Jari and Diamond industries. The leading industries like RIL, ONGC, Kribhco, L&T, ESSAR, NTPC, and GAIL are established in Surat- Hazira area.

ABOUT THE DEPARTMENT

The department is running UG programme B.Tech. Computer Engineering since 1989 and PG programme M.Tech. Computer Engineering since 2006. Department is also offering Ph.D. programme since 2005. The department has well qualified and dedicated faculty members with the specialization in niche areas like Information Security, Cloud Computing, Block chain Technology, Machine Learning & Artificial Intelligence, Image Processing, Data Mining, Wireless Sensor Network, Internet of Things, Computer vision etc.

Patron

Prof. S. R. Gandhi
Director, SVNIT, Surat

Convenor

Prof. Mukesh A. Zaveri, (HoD), CoED,
SVNIT, Surat
Prof. Devesh C. Jinwala, CoED, SVNIT,
Surat

Course Coordinators

Dr. Balu L. Parne (SVNIT Surat)
Dr. Keyur Parmar (SVNIT surat)
Dr. Udai Pratap Rao (SVNIT Suart)

Local Technical Committee

Mr. Rakesh P. Gohil
Dr. Rupa G. Mehta
Dr. Krupa N. Jariwala
Dr. Dipti P. Rana
Dr. Sankita J. Patel
Dr. Bhavesh N. Gohil
Mr. Dilay Parmar
Mr. Ankur Bang
Mr. Akhil Chaurasiya
Mr. Jignesh Joshi
Mr. Shriniwas Patil
Mr. Sourabh Bhaskar
Ms. Prarthana Mehta
Mr. Jagdish Vanara

OFFICIAL ADDRESS FOR CORRESPONDENCE:

The Coordinator,
“TEQIP-III Sponsored STTP on Blockchain
Technology and Its Applications in Internet of
Things (BTIoT-2020)”
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Ichchhanath, Surat – 395 007, Gujarat,
India.
Ph. +91 261 2201592, 2201768
Email: btiot2020@coed.svnit.ac.in

ELIGIBILITY

Faculty Members from AICTE recognized institutes, universities, research scholars/ UG, PG students and industry personnel working in the concerned/allied discipline. Seats are limited to 40-50 participants. So, selection will be as per the eligibility, and on First come First Serve basis. E-certificate will be awarded to the participant who attend all the sessions and successfully complete the course.

IMPORTANT DATES

Last date for Registration: 27th Nov, 2020
List of Eligible Candidates: 01st Dec, 2020
(through email and on institute website)

REGISTRATION FEES

Participants Category	Registration Fee
Academicians / Scientist / Researchers	600/-
Students: UG/PG/PhD	300/-
Industry Person/Engineers	5000/-

REGISTRATION INFORMATION

After paying the registration fee, participants are requested to complete online registration process by entering the details and uploading necessary documents at below link.

<https://forms.gle/5YHonZatJb9c6NDC7>

The non-refundable registration fee should be paid online through net banking to “Director SVNIT TEQIP IRG” A/C No: 0277101028663, Canara Bank, Nanpura Branch Surat, IFSC: CNRB0000277. While paying through the net-banking, in remarks the purpose is to be written as “BTIoT 2020 Registration Fee”. (kindly save the receipt or take screenshot of the payment). Participants have to attach bonafide certificate or photocopy of their valid identity card along with registration form.