



SREYAS INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTUH)  
Thatti Annaram(v), Bandlaguda, Nagole, Hyderabad - 500068.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## FACULTY DEVELOPMENT PROGRAMME

ON

### “BLOCKCHAIN TECHNOLOGY”



30 Jan 2019 - 31 Jan 2019

Organized by

Department of CSE

Sreyas Institute of Engineering and  
Technology

(Thatti annaram(v), Bandlaguda, Nagole, Hyd, 500068)

Contact: [csehod@sreyas.ac.in](mailto:csehod@sreyas.ac.in)

#### ABOUT THE COLLEGE:

Sreyas Institute of Engineering & Technology was established in the year 2011 under the agencies of Sreyas Educational society.

The Institute endeavors to impart high quality, competency based technical education in Engineering and technology to students with skills and abilities to face challenging needs of industry and society. The Institute is approved by All Indian Council for Technical Education (AICTE), New Delhi and affiliated to JNTUH.

#### VISION:

To be a centre of excellence in empowering the young talent through quality education and innovative engineering for the well being of society

#### MISSION:

1. Provide quality education with creative methodology and intellectual human capital.
2. Provide conducive environment for research and developmental activities.
3. Inculcate holistic approach towards nature, society and human ethics with life long learning attitude.

#### ABOUT THE DEPARTMENT:

The Department of Computer Science and Engineering since its inception in the year 2011 offers programme keeping in pace in technological advancements. Department offers Post Graduate course M.TECH – CSE . Importance to practical training which lay great stress on "hands on" experience besides a sound theoretical background is practiced. Short term courses and technical lectures by eminent professors and professionals are arranged on a regular basis to broaden the knowledge spectrum of students. The state-of-the-art computer centre has over 700 computers with 100 Mbps internet connectivity. The department has highly qualified and experienced faculty to offer both class room teaching and practical instructions.

#### ABOUT THE PROGRAMME:

Blockchain is an emerging platform for developing decentralized applications and data storage, over and beyond its role as a platform for cryptocurrencies. Blockchain is a growing list of records, called blocks, which are linked using cryptography to keep exchanges secure. Blockchain provides a decentralized database, or “digital ledger”, of transactions that everyone on the network can see. This network is essentially a chain of computers that must approve an exchange before it can be verified and recorded.

#### The major topics covered under the programme:

- Cryptography in Blockchain
- Introduction to Blockchain Technology
- Features of Blockchain and Bitcoin Basics
- Distributed Consensus – Consensus in Bitcoin
- Introduction to Ethereum
- Various Blockchain Networks
- Distributed Ledger Technology (DLT)
- Smart Contracts and Programming using Solidity
- Introduction to Hyperledger
- Building applications with Hyperledger
- Lab and Hands-on

#### COURSE OUTCOMES:

The course will provide a forum for faculty members to get exposed to the state of the art of research and development in the field of Robotics and Automation. The course will also help to identify future research needs in the interdisciplinary emerging field.

**RESOURCE PERSON:**

Eminent faculty from academia and industry/ organizations will be handling the sessions.

**Dr. V. Sankaranarayanan**

Associate Professor  
NIT,Trichy

**WHO CAN ATTEND:**

Programme is open to Faculty Members from Engineering Colleges/ Arts & Science Colleges/ Polytechnic Colleges of any domain and Professionals from industries

**REGISTRATION:**

Interested candidates can visit the following link:

**<https://www.sreyas.ac.in>**

**REGISTRATION FEE:**

Faculty : Rs 400  
Research Scholar & Industry Persons : Rs 700

**IMPORTANT DATES:**

Last date of Registration : 27.01.19  
Notification of acceptance : 29.01.19

**ORGANIZING COMMITTEE:**

**Chief Patrons:**

Mr.CH,Ravindranath yadav  
Secretary

Mr.Ananthula Vinaykumar Reddy  
Chairman

**Patron:**

Dr. Suresh Akella  
Principal

**Convener:**

Dr. V. Goutham  
Professor, CSE

**Co-ordinator(s):**

Mr. B. Vivek Anand  
Assistant Professor, CSE  
Mr. G. Anil Kumar  
Assistant Professor, CSE

**For further information, please contact:**

Mr. B. Vivek Anand                      Mr. G. Anil Kumar  
Assistant Professor,CSE    Associate Professor,CSE  
Ph: 9880022293                      Ph: 8074187783

**REGISTRATION FORM**

Name :  
(in Capital letters)

Institution / Organization Name :

Designation :

Department :

Address for Communication :

Email id :

Mobile No :

Date :

**Signature of the candidate**

**CERTIFICATE**

This is to certify that ..... is a faculty of our institute and is permitted to attend the Two Day FDP on "Blockchain Technology".

Signature of Head of the Institution  
(With office seal)



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## RESOURCE PERSON PROFILE

### **Dr. V. Sankaranarayanan**

Associate Professor NIT, Trichy

#### **Education:**

- ) Ph.D (Systems & Control Engineering), Indian Institute of Technology Bombay, Mumbai, India, (Dec. 2005).
- ) M.Tech (Energy Engineering), National Institute of Technology - Trichy, Tamilnadu, India, (1999)
- ) B.E (Electrical & Electronics Engineering), Govt. College of Engineering - Tirunelveli, Tamilnadu, India, (1997)

#### **Research Interest**

- ) Nonlinear Control
- ) Control of under actuated Systems
- ) Sliding Mode control
- ) Constrained Stabilization

