About CBIT(A): Chaitanya Bharathi Institute of Technology (Autonomous) has an ecosystem which caters to Research, Consultancy, Start-Ups, Incubations, Strategic Collaborative Associations with Industries and Foreign Universities. The Institute is pioneering the development of an Artificial Heart in Collaboration with SHARE India / Pittsburgh University and Cornell University, USA. CBIT(A) has been standing as a temple of learning for the past 42 years. UGC has granted Autonomous status from the Academic Year 2013-14 onwards. The Faculty and Students have successfully executed Sponsored Research and Consultancy Projects, from various funding Agencies such as DRDO, ISRO, DST, AICTE and UGC. MHRD - Institute Innovation Cell (IIC), MSME - Business Incubation (BI), Hexagon 3D Innovation Lab, Cognizant Innovation Lab and Robotic Process Automation Lab have been established in the Research and Entrepreneurship Department, for the Students and Faculty to pursue their Research Interests.

About CSE Department: The Department of CSE was started in the year 1985 with an intake of 20 and the intake was gradually increased to 180 with three sections. M.Tech programme was started in the year 2002 with an intake of 18 and increased to 36 in 2011. CSE department is a recognized research center under Osmania University. The department comprises of committed and well qualified staff. The intellectual ambiance in CSE Department is conducive to the overall development of the students and the discipline of Computer Science and Engineering as a whole. During the year 2020-21 sanction is accorded for two new programmes in emerging technologies: B.E (CSE with AI and ML) and B.E (CSE with IoT, Cyber Security with Blockchain) thus enhancing the intake of students from 180 to 300. The vision of CSE Department is to become a centre of excellence in the field of Computer Science and Engineering that produces innovative, skillful, socially responsible and ethical professionals.

About STTP:

Humans have transformed from Homo-Sapiens hunters to Bitcoin hunters.

Technologies and computing systems are becoming ubiquitously integrated into our daily lives. Blockchain is a digital disruptive technology compared to the internet, promising innovations in the financial, commercial and other areas. Blockchain technology is fairly simple yet very profound. Blockchain is the underlying technology for cryptocurrencies. Blockchain is an emerging technology platform for developing decentralized applications and data storage. Blockchain is now spreading across a wave of industries.

Blockchain allows one to create a distributed and replicated ledger of events, transactions and data generated through various IT processes. Powered by cryptography, Blockchain enables confidentiality, privacy and security of data and user identities. Blockchain is considered the future backbone of digital transactions because of the way it secures and regulates digital relationships.

This STTP is aimed at providing the foundations of Blockchain technology and creating awareness on applications and impact of Blockchain across various domains.

Objectives of the STTP:

 To introduce the concepts of Blockchain and platforms

 To provide Blockchain use cases in various domains

 To Introduce Crypto-Currencies and Non-Fungible Tokens

 To acquaint the participants with research challenges in Blockchain

Expected Outcomes:

Upon successful completion of the STTP,

- The participants will acquire an overview of the structure and mechanisms of Blockchain

- The participants will get acquainted with cryptocurrencies and non fungible tokens

- The participants will gain an understanding of research trends in blockchain

Guidelines for Participants:

Web Links are updated on WhatsApp Group.

E-Certificate will be issued to all the Participants, after successful completion of the STTP.

Participants need to mark their attendance in the google form that will be circulated during the Session.

Use the following Link for Registration: https://forms.gle/77de4CwCknq3zjif7

Department of CSE Organizes

Five-Day International Short Term Training Program (STTP) On

Blockchain for Digital Transformation

12th– 16th August, 2021

॥क्षणे क्षणे यन्नवतामुपैति तदेव रूपं रमणीयतायाः॥
kṣaṇe kṣaṇe yan navatām upaiti tad eva rūpaṃ ramaṇiyatāyāḥ
That which becomes new every moment is the very form of beauty

Māgha (7th century Indian Poet)

All Faculty, Research Scholars, Students and Industry Persons Can Participate

Five-Day International Short Term Training Program (STTP) On Blockchain for Digital Transformation
12th– 16th August, 2021

Schedule

Day-1: Thursday, 12th August, 2021

Introduction to Blockchain

Dr. Amit Sangroya, Scientist, TCS Research & Innovation, Gurugram, Haryana

Day-2: Friday, 13th August, 2021

Blockchain-Based Next-Generation Smart Grid Transactions

Dr. Debashish Das, Assoc. Prof., Dept. of CSE, IIT Jodhpur

Day-3: Saturday, 14th August, 2021

Crypto-Currencies and Non-Fungible Tokens (NFTs)

Dr. Arun Kr., Scientist , TCS Research & Innovation, Gurugram, Haryana

Day-4: Sunday, 15th August, 2021

Research Challenges in Blockchain for Financial Applications

Dr. Debashish Das, Assoc. Prof., Dept. of CSE, IIT Jodhpur

Day-5: Monday, 16th August, 2021

Data Security Issues and Challenges

Dr. M. Swamy Das, Professor, Dept. of CSE, & Joint Director - Academics (Informatics), CBIT(A)

Surveillance Models

Dr. L. Pratap Reddy, Professor, JNTUH and Working President, Swecha, Hyderabad