

ABOUT CBIT (AUTONOMOUS)

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, established in the Year 1979, esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh, was promoted by a Group of Visionaries from varied Professions of Engineering, Medical, Legal and Management, with an Objective to facilitate the Best Engineering and Management Education to the Students and contribute towards meeting the need of Skilled and Technically conversant Engineers and Management Professionals, for the Country that embarked on an Economic Growth Plan. The college offers 11 UG and 10 PG Programmes. The Institute has become Autonomous under UGC w.e.f. 2013-14. UG Programmes are accredited by NBA in the year 1998, 2004, 2008, 2013, 2017, 2022 and Five PG Programmes have been accredited by NBA in 2020. The Institute is accredited by NAAC with CGPA of 3.59 on a four point scale at 'A++' grade in 2023 for five years. CBIT is ranked in the rank band 150-200 in Engineering Category under National Institutional Ranking Framework (NIRF), Govt. of India, MHRD. The College Campus is spread across 50 acres.

ABOUT CSE (IoT&CSBCT)

Department of CSE (IoT&CSBCT) established in 2020 at CBIT and offers UG Program. BE CSE (IoT&CSBCT) started in the year 2020-21 with an intake of 60 seats CSE (IoT&CSBCT) has well equipped laboratories with necessary software's and committed, qualified well trained staff for teaching/learning process. Department of CSE(IoT&CSBCT) is consistently exploiting the trending curriculum, teaching, and learning practices, providing scope for the students to acquire knowledge and exploring better opportunities, for those aiming for admissions in prestigious institutions for their higher studies. Department have been conducting Workshops, certifications under Microsoft and IBM, FDP's.

STTP's for up-skilling the knowledge. Various activities are conducted in collaboration with professional bodies like CSI, ISTE along with student branches of IEEE and CSI. Students to abreast in emerging technologies.

ABOUT STTP

The Short-Term Training Program (STTP) on “Emerging Trends in Cloud and Quantum Security” focuses on the convergence of cloud computing and quantum technologies for building secure and scalable digital infrastructures. The program covers cloud architectures, cloud-native technologies, DevOps, and cloud security practices that support modern computing environments. It introduces the fundamentals of quantum computing and its potential to transform computation, communication, and cybersecurity. Participants will explore emerging quantum security concepts, including post-quantum cryptography and quantum-safe communication. The STTP highlights how cloud platforms can support quantum-enabled applications and future computing paradigms. Expert sessions will provide insights into current research trends, industry use cases, and security challenges. The program aims to enhance teaching, research, innovation, and curriculum development in cloud and quantum technologies.

OBJECTIVES

- Gain knowledge of cloud computing and cloud security.
- Understand the essentials of quantum computing and quantum security.
- Explore emerging cloud and quantum security solutions.

OUTCOMES

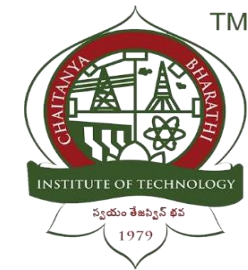
- Implement cloud security practices.
- Analyze the impact of quantum computing on cybersecurity.
- Design secure cloud and quantum-based solutions.



COMMITTED TO RESEARCH, INNOVATION AND EDUCATION **47** years

A STTP on Emerging Trends in Cloud and Quantum Security

06th July – 11th July 2026



Organized by

Department of CSE (IoT&CSBCT) Chaitanya Bharathi Institute of Technology (Autonomous)

Affiliated to Osmania University,
Accredited by NBA, NAAC A++ Grade,
Kokapet (V), Gandipet (M), Hyderabad-75,
Telangana State, India.

www.cbit.ac.in

CHIEF PATRON

Shri. N. Subash
President, CBIT

PATRON

Prof. C. V. Narasimhulu
Principal, CBIT

CONVENOR

Prof. Sangeeta Gupta
Prof.&Head, Dept. of CSE (IoT&CSBCT), CBIT

COORDINATORS

Dr. Sangeeta Gupta
Prof.&Head, Dept. of CSE (IoT&CSBCT), CBIT
Dr. T. Satyanarayana Murthy
Associate Professor, Dept. of CSE (IoT&CSBCT), CBIT

CO-COORDINATORS

Dr. G.JayaRao
Assistant Professor, Dept. of CSE (IoT&CSBCT), CBIT
Ms. G.Sushma
Assistant Professor, Dept. of CSE (IoT&CSBCT), CBIT

ADVISORY COMMITTEE

Prof. P.V.R Ravindra Reddy, Vice - Principal (Admin)
Prof. K. Krishna Veni, Vice - Principal (Academics)
Prof. N. V. Koteswara Rao, Director-IQAC
Prof. Suresh Pabboju, Director – AEC
Prof. P. Prabhakar Reddy, Director - Academics
Prof. B. Linga Reddy, Director –SA & P
Prof. D. Krishna Reddy, Director-R&D
Prof. Umakanta Chaudhury, Advisor – I & I
Dr. N. L. N. Reddy, Advisor – CDC

ORGANING COMMITTEE

Mrs.P.V. Manohara Ruth, Dept. of CSE (IoT&CSBCT), CBIT
Mrs. Kavitha Agarwal, Dept. of CSE (IoT&CSBCT), CBIT
Mrs. G. Mamatha, Dept. of CSE (IoT&CSBCT), CBIT
Mrs. N. Sujata Gupta, Dept. of CSE (IoT&CSBCT), CBIT
Mrs. Ch. Srilakshmi, Dept. of CSE (IoT&CSBCT), CBIT

COMPUTER OPERATORS:

Mr. S. Rajesh, Dept. of CSE (IoT&CSBCT), CBIT
Mrs. B. Geetha, Dept. of CSE (IoT&CSBCT), CBIT
Mrs. K. Jhansi Rani, Dept. of CSE (IoT&CSBCT), CBIT

STUDENT COORDINATORS:

Srinithi Reddy, VII Sem, Dept. of CSE (IoT&CSBCT), CBIT
Pawan Mohit, VII Sem, Dept. of CSE (IoT&CSBCT), CBIT
Ananth, V Sem, Dept. of CSE (IoT&CSBCT), CBIT
Jay, III Sem, Dept. of CSE (IoT&CSBCT), CBIT

STTP TOPICS

- Foundations of Cloud Computing
- Virtualization and Cloud Infrastructure
- Cloud Platforms Overview (AWS, Azure, GCP) & Application Deployment
- Cloud Storage, Databases, and Networking
- Containerization and Cloud-Native Technologies
- DevOps and Infrastructure as Code in Cloud
- Cloud Security, Privacy, and Compliance
- Fundamentals of Quantum Computing
- Quantum Gates and Applications
- Quantum Security and Post Security

RESOURCE PERSONS

Resource Persons are from Industry, CDAC, IITs, NITs and Academia.

REGISTRATION FEE

Students (UG, PG & Others) – ₹100
Faculty Members – ₹200
Industry Professionals – ₹300
CBIT Faculty-NIL

PARTICIPANTS (NATIONAL & INTERNATIONAL)

U.G & P.G Students from AICTE approved Institutions
Research Scholars
Faculty Members
Industry Professionals

REGISTRATION LINK:

<https://forms.gle/mnBioStC9dum6Fqz6>

TEST AND CERTIFICATE

An assessment test will be conducted on the last day of the STTP.

Minimum 60% score is required to get Certificate

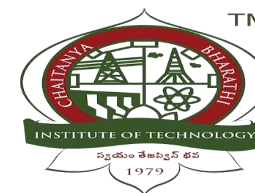
Session wise attendance shall be recorded.

Minimum 80% attendance is required to get Certificate.

CONTACT US:

A.Srinithi Reddy
CSE(IoT&CSBCT), CBIT
Mobile : +91 8106661457

Dr.T.Satyanarayana Murthy
Associate Professor
CSE (IoT&CSBCT), CBIT
Email : tsmurthy_it@cbit.ac.in



Organized by

Department of CSE (IoT&CSBCT)
Chaitanya Bharathi Institute of
Technology (Autonomous)

Affiliated to Osmania University,
Accredited by NBA, NAAC A++ Grade,
Kokapet (V), Gandipet (M), Hyderabad-75,
Telangana State, India.

www.cbit.ac.in