

CHIEF PATRON

Sri. N. Subash
President, CBIT (A)

PATRON

Prof. C. V. Narasimhulu
Principal, CBIT (A)

CONVENER

Prof. Sangeeta Gupta
Head, Department of CET

COORDINATORS

Dr. Sangeeta Gupta, Prof & Head, CET
Mrs. CH. Srilakshmi, Asst Professor, CET
Mrs. N. Sujata Gupta, Asst. Professor, CET
Dr. G. Jaya Rao, Asst. Professor, CET

CO-COORDINATORS

Mrs. Vimala Manohara Ruth, Asst. Professor, CET
Mrs. Kavita Agarwal, Asst. Professor, CET
Mrs. G. Mamatha, Asst. Professor, CET
Mr. Srikanth, Asst. Professor, CET

ADVISORY COMMITTEE

Prof. K Krishnaveni, Vice-Principal - Academics, CBIT
Prof. P V R Ravindra Reddy, Vice-Principal - Admn, CBIT
Prof. Umakanta Choudhary, Director, I & I, CBIT
Prof. D. Krishna Reddy, Director R&D, CBIT
Prof. N. V. Koteswara Rao, Director IQAC, CBIT
Prof. Suresh Pabboju, Director, AEC & CoE, CBIT
Prof. P Prabhakar Reddy, Director, Academics, CBIT
Prof. D Krishna Reddy, Director R&D, CBIT
Prof. B Linga Reddy, Director, SA&P, CBIT
Dr. N L N Reddy, Advisor, CDC, CBIT

STAFF ORGANISING COMMITTEE

Mr. S. Rajesh, Computer operator, CET
Mrs. B. Geeta, Computer operator, CET
Mrs. Jhansi, Computer operator, CET

STUDENT ORGANISING COMMITTEE

Dasari Ishanvith, VI Semester, Dept. of CET
Geethika, VI Semester, Dept. of CET
Srinath, VI Semester, Dept. of CET

Resource Persons

- Prof. P. Radhakrishna-Dean, NITW
- Dr. B. Venkata Ramana, IIIT Basara
- Mr. Prashanth, Manager, Syktech Labs
- Dr. M. Mahesh Kumar, SRM University
- Dr. P. Syam Kumar, IDRBT
- Mr. Chinthakindi Vishwanath – CEO, NIV Cyber Solutions
- Prof. E. Suresh Babu, NIT Warangal

Intended Participants

Faculty, Research Scholars, Students, and Industry Professionals.

Registration Fee:

- **Rs. 200** for others
- **Rs. 100** for Research Scholars and students
- **Free** for CBIT faculty

QR CODE for Payment



Registration Link:

<https://forms.gle/hUuaBL87QpJ3rwip7>

Last Date for Registration: 02-01-2026

For Registration & Other Details

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CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (Autonomous)

One Week National level Faculty Development Programme (FDP)

On

*"Integrating Quantum Computing in
Emerging Technologies"*

5th Jan – 10th Jan 2026

Registration Form

1. Name:
2. Highest Qualification:
3. Designation:
4. Organization:
5. Address:
.....
6. Mobile No:
7. Email ID:
8. State:
9. Pincode:

Signature of the Participant Signature of the Sponsoring Authority

ABOUT CBIT (AUTONOMOUS)

Chaitanya Bharathi Institute of Technology is one of the premier Engineering Colleges in the self-financing category in the state of Telangana established in the year 1979. 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 seven-point scale at 'A++' grade in 2023 for five years. CBIT (A) ranked in the rank band 150-200 in Engineering Category under National Institutional Ranking Framework (NIRF), Govt. of India, MHRD.



CET DEPARTMENT

Department of Computer Engineering & Technology established in 2023 at CBIT and offers UG Program. BE (CET) started in the year 2020-21 with an intake of 60 seats. CET department has well equipped laboratories with necessary software's and committed, qualified well trained staff for teaching/learning process.

Department of CET 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.

ABOUT THE FDP

This program explores the application of quantum computing principles in emerging fields such as artificial intelligence, cybersecurity, data science, and advanced materials. It highlights how quantum technologies can solve complex problems more efficiently than classical systems and drive innovation across next-generation technological domains.

Objectives

- Introduce fundamental concepts of quantum computing and their relevance to emerging technologies
- Provide insights into the integration of quantum computing with emerging domains like AI, cybersecurity, IoT.
- current trends, tools, and Integrating practical applications in emerging domains

Outcomes

- Gain a clear understanding of applying various computing approaches to real-world applications
- Identify the impact of emerging technologies on the sustainability of society

FDP CONTENTS

- Foundations of Quantum Computing for Sustainable Development
- Quantum Algorithms for Solving Societal and Industrial Challenges
- Quantum Programming with Qiskit for Education and Research
- Quantum Machine Learning for Healthcare, Environment, and Smart Systems
- Cybersecurity Fundamentals for IoT-Enabled Sustainable Infrastructure
- Cyber Attacks on IoT and Blockchain in Critical Applications
- Quantum-Safe Security for Future Digital Ecosystems
- Cloud Computing, Cloud Security, and Quantum Integration
- IoT Hardware Hacking, Mobile Hacking, and Quantum-Aware Cyber Defense
- Quantum-Resistant Cryptography for Secure Digital Transactions
- Optimization in Artificial Intelligence Using Quantum Computing



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One Week National level Faculty Development Programme (FDP)

On "Integrating Quantum Computing in Emerging Technologies"

5th Jan – 10th Jan 2026

Organized by

Department of Computer Engineering and Technology

Chaitanya Bharathi Institute of Technology
(Autonomous)

Affiliated to Osmania University,

Accredited by NAAC A++,

Kokapet (V), Gandipet (M), Hyderabad-75,
Telangana State, India.