



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

46
years

Department of Information Technology, Newsletter

VOLUME 2 ISSUE 1



Prof.C.V.Narasimhulu
Principal - CBIT

FROM OUR PRINCIPAL

Chaitanya Bharathi Institute of Technology (CBIT), established in 1979, is a prestigious autonomous institution known for excellence in technical education and research. Accredited multiple times by NBA and NAAC with an A++ grade, CBIT offers world-class infrastructure, experienced faculty, and an industry-aligned curriculum based on AICTE, NEP-2020, and OBE. The institute emphasizes pragmatic and experiential learning, strong industry collaboration, placements, entrepreneurship through its EDC and incubation ecosystem, and innovation in research, patents, and product development. With extensive co-curricular activities and a focus on holistic student development, CBIT continues its mission of nurturing skilled engineers, leaders, and responsible citizens under the motto "Swayam Tejaswin Bhava".

FROM OUR HOD



The Department of Information Technology at CBIT is dedicated to excellence in teaching, research, and innovation. Established in 2001, the department provides a strong academic foundation through modern laboratories, experienced faculty, and an industry-oriented curriculum. It emphasizes continuous learning, research, technical competence, leadership, and ethical values while nurturing students to become confident, globally competitive professionals and responsible citizens. Through technical events, skill development, and industry interaction, the department prepares students to meet the challenges of rapidly evolving technologies and contribute meaningfully to society.

Faculty Coordinators:

1. Mr. Geedikanti Srikanth
Assistant Professor
2. Mr. Rudroju Sai Venkat
Assistant Professor

Student Coordinators:

1. Yashwanth Sarma



Dr. M. Venu Gopalachari
HoD - IT Department

ABOUT CBIT & THE IT DEPARTMENT

EST. 1979 · AUTONOMOUS · NAAC A++

➤➤➤ INSTITUTIONAL FRAMEWORK

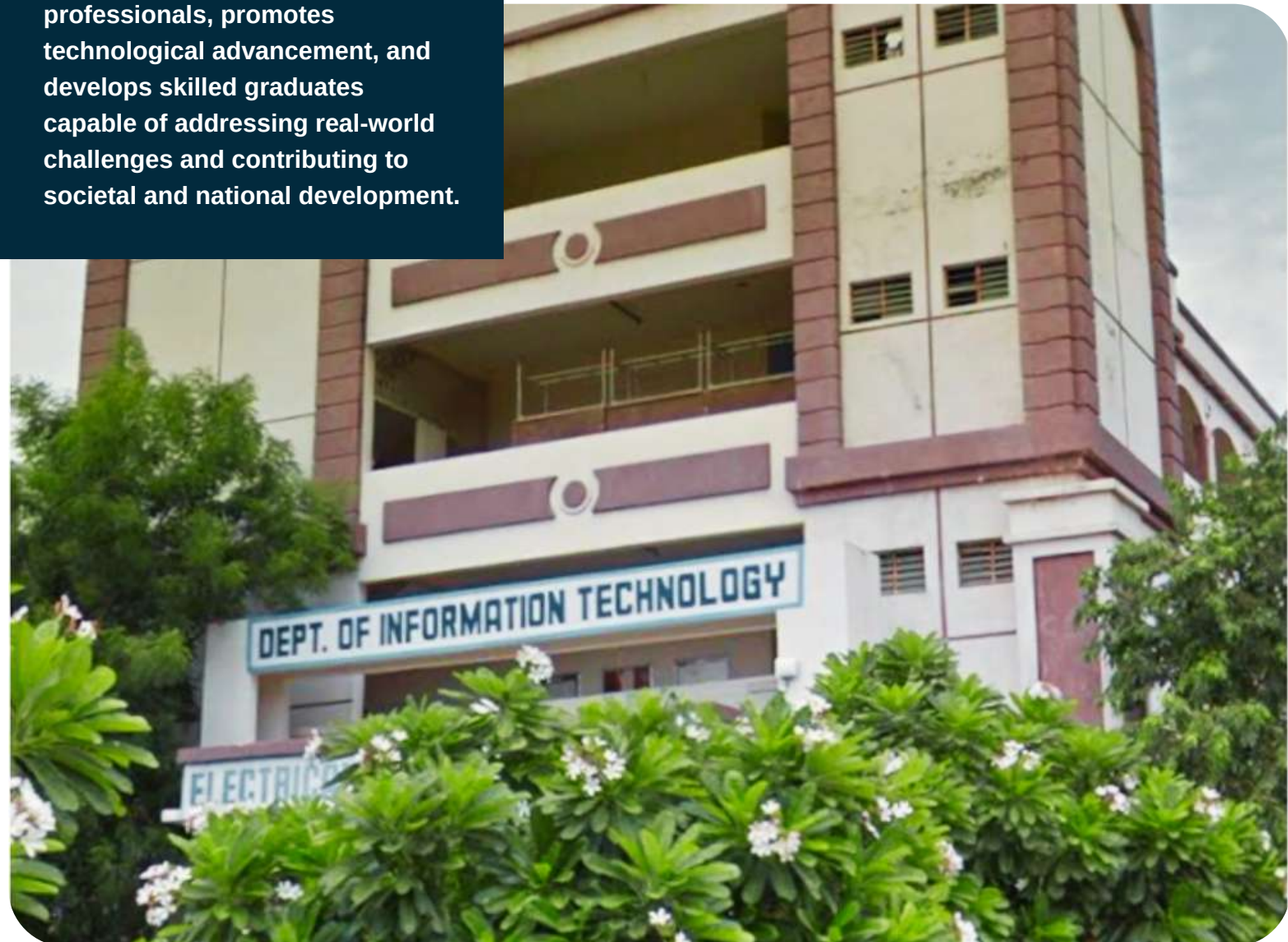
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, established in the Year 1979, esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh, was promoted by a Group of Visionaries from varied Professions of Engineering, Medical, Legal and Management, with an Objective to facilitate 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.

STRATEGIC VISION

To be a globally recognized center of excellence in Information Technology education and research that nurtures innovative professionals, promotes technological advancement, and develops skilled graduates capable of addressing real-world challenges and contributing to societal and national development.

➤➤➤ OUR MISSION

The department is committed to quality, industry-oriented education through advanced teaching, practical learning, and research. It fosters innovation and entrepreneurship through industry collaboration, developing technically proficient, ethical, and socially responsible professionals for the digital era.



FACULTY ADVANCEMENT

Notable Achievements:

INTERNAL SMART INDIA HACKATHON

The Department of Information Technology organized an Internal Smart India Hackathon on 9 September 2024, providing students with a platform to develop innovative technology-driven solutions for real-world challenges. The event encouraged creativity, teamwork, design thinking, and problem-solving while enabling participants to showcase their technical expertise under the guidance of eminent academicians and industry professionals.



AWARENESS WORKSHOP ON "HIGH PERFORMANCE COMPUTING"

An Awareness Workshop on "High Performance Computing (HPC)" was conducted on 13 September 2024 to provide participants with insights into HPC architecture, parallel computing concepts, and their applications in scientific research, artificial intelligence, and large-scale data processing.



CYBER SECURITY DEBUGGING DUEL - TECHNICAL QUIZ

The department organized a Cyber Security Debugging Duel – Technical Quiz on 3 October 2024 to strengthen students' knowledge of cybersecurity, debugging techniques, ethical hacking, and secure coding practices through an engaging and competitive learning environment.

ONE-WEEK BOOTCAMP ON ROBOTIC PROCESS AUTOMATION

A One-Week Bootcamp on Robotic Process Automation (RPA) was conducted from 21 to 25 October 2024, providing students with practical exposure to automation technologies, workflow design, and the implementation of industry-standard RPA tools for business process optimization.

HANDS-ON WORKSHOP ON "CRACKING COMPLEX PROBLEMS ON DATA STRUCTURES FOR PLACEMENTS"

On 26 October 2024, the department organized a Hands-on Workshop on "Cracking Complex Problems on Data Structures for Placements" to strengthen students' coding proficiency, logical thinking, and problem-solving abilities. The workshop focused on placement-oriented programming techniques and interview preparation strategies.



RESEARCH & CERTIFICATION METRICS

The Department of Information Technology continues to promote research excellence and academic growth through publications in reputed journals and conferences. Faculty members and students actively contribute to research areas including Artificial Intelligence, Machine Learning, Robotics, Data Science, Software Engineering, Cyber Security, and emerging computing technologies. These research contributions reflect the department's commitment towards innovation, knowledge creation, and industry-relevant advancements.

The department also encourages students to enhance their technical skills through national-level certification programs, including NPTEL and other professional certifications, helping them strengthen their expertise and improve career readiness.

During the academic year 2024-2025, students of the Department of Information Technology successfully completed various NPTEL national-level certification courses, demonstrating their commitment towards continuous learning and skill development. These achievements reflect the department's focus on industry-oriented learning, technical competency, and preparing students for future professional challenges.

Publications	Number of Papers
SCOPUS Journal	21
International conferences	19
Book Chapters	2

During the academic year 2024–25, students of the Department of Information Technology successfully completed various NPTEL national-level certification courses, demonstrating their commitment towards continuous learning and skill development. The certifications covered emerging domains such as Artificial Intelligence, Machine Learning, Data Science, Cloud Computing, Cyber Security, Programming, and Advanced Computing technologies. These achievements reflect the department's focus on industry-oriented learning, technical competency, and the preparation of students for future professional challenges.

NPTEL CERTIFICATION: 2024 - 2025

Academic year	Year Student is studying	Count of NPTEL certification
2024-2025	II	23
	III	2
	Total	25

HACKATHON SUCCESS & ACHIEVEMENTS

Students of the department actively participated in various national-level technical events during October 2024, showcasing their enthusiasm for innovation, technology, and professional development. Ms. M. Yamini Saraswathi participated in Megathon '24, while Ms. Namula Varsha Reddy and Ms. Tanuku Pratima took part in Next in Tech Fest 2024. Their participation in these prestigious national-level events reflects the department's commitment to encouraging students to engage in experiential learning, technical excellence, and collaborative problem-solving.

S. No.	Name of the Student	Name of the Event	Level	Date of the Event	Award / Recognition
1	M. Yamini Saraswathi	Megathon '24	National Level	2024	Certificate of Participation
2	Namula Varsha Reddy	Next in Tech Fest 2024	National Level	2024	Certificate of Participation
3	Tanuku Pratima	Next in Tech Fest 2024	National Level	2024	Certificate of Participation



GUEST LECTURES



GUEST LECTURE ON "ENTREPRENEURSHIP SKILLS"

On 10 September 2024, a Guest Lecture on "Entrepreneurship Skills" inspired students to cultivate an entrepreneurial mindset by focusing on innovation, leadership, startup ecosystems, and the essential skills required to transform ideas into successful business ventures.



GUEST LECTURE ON "GENERATIVE AI"

A Guest Lecture on "Generative AI" was conducted on 10 September 2024 to introduce students to the fundamentals of Generative Artificial Intelligence, its latest advancements, real-world applications, and emerging career opportunities in AI-driven industries. The session enhanced students' understanding of one of the most rapidly evolving technological domains.

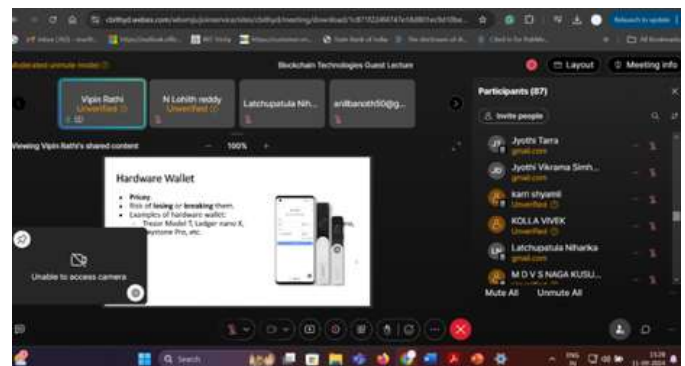
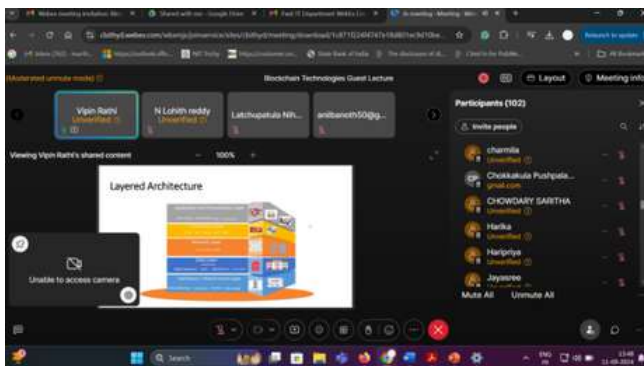


GUEST LECTURES



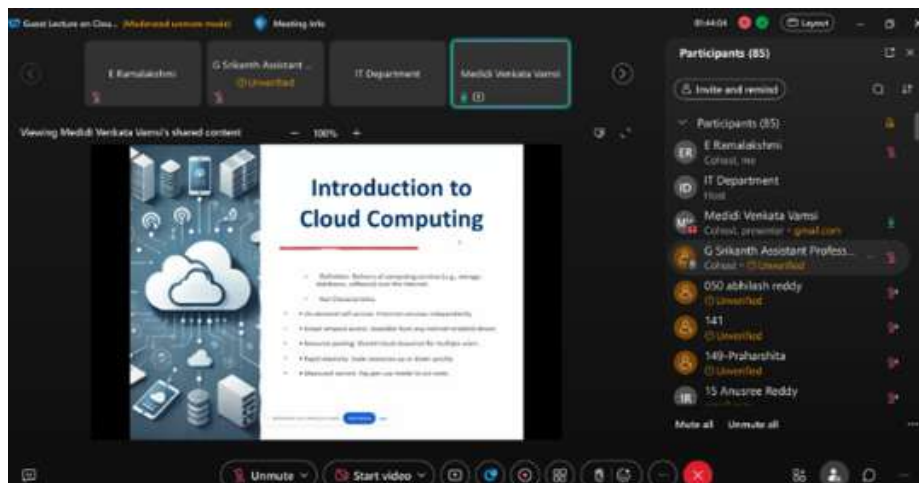
GUEST LECTURE ON "BLOCKCHAIN TECHNOLOGIES"

A Guest Lecture on "Blockchain Technologies" was organized on 11 September 2024 to familiarize students with the principles of blockchain, distributed ledger technology, consensus mechanisms, smart contracts, and their diverse applications across multiple industries.



GUEST LECTURE ON "CLOUD INFRASTRUCTURE AND TECHNOLOGIES"

A Guest Lecture on "Cloud Infrastructure and Technologies" was conducted on 9 November 2024 to introduce students to cloud computing fundamentals, virtualization, cloud service models, deployment strategies, and the growing role of cloud technologies in enterprise applications.



GUEST LECTURE ON "COMPETITIVE CODING FOR PLACEMENTS"

On 11 November 2024, a Guest Lecture on "Competitive Coding for Placements" guided students on effective coding strategies, algorithmic problem-solving, competitive programming platforms, and preparation techniques for technical interviews and placement assessments.

GUEST LECTURES



Guest Lecture on "Blockchain Technologies"

GUEST LECTURE ON "APPLICATIONS OF DISCRETE MATHEMATICS IN COMPUTER SCIENCE"

A Guest Lecture on "Applications of Discrete Mathematics in Computer Science" was organized on 18 November 2024 to highlight the importance of discrete mathematics in algorithm design, graph theory, combinatorics, logic, cryptography, and other core areas of computer science.