



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY**

An Autonomous Institute | Affiliated to Osmania University
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COMMITTED TO
RESEARCH,
INNOVATION AND
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46
years

ROADMAP FOR CYBER SECURITY TOWARDS BETTER CAREERS

CONDUCTED BY

**CDC in association with SATARC and CCC CLUB OF
CBIT**

EVENT DETAILS

Roadmap for Cyber Security towards Better Careers

Dates: 10th April, 2025

Time: 2 PM to 4 PM

Venue: Assembly Hall, CBIT, Hyderabad

Number of attendees: 100

Organized for: 2nd and 3rd year Students of CET Department and all other department students interested in cybersecurity

Event Overview

The SATARC Club of Chaitanya Bharathi Institute of Technology (CBIT) organized Roadmap for Cyber Security towards Better Careers on 10th April, 2025 from 2 PM to 4 PM to enhance student awareness on cybersecurity and ethical hacking.

1. Expert Talk :

Delivered by Mr. Vamshi Krishna Raju, the session covered key topics like ethical hacking vs. hacking, phases of a cyberattack, Red Team vs. Blue Team, and emerging cybersecurity trends. He emphasized that programming isn't mandatory and highlighted tools like Flipper Zero and Keyloggers.

2. Career & Certification Guidance:

NLN Reddy Sir advised students to complete at least two global certifications like CEH before placements. The speaker explained certification costs, course structure, and the importance of practical exposure.

3. Student Engagement:

The session encouraged all students, regardless of their department, to explore cybersecurity through self-learning, certifications, and startup experiences.

Purpose of the Event

The session aimed to provide valuable insights into the field of cybersecurity, introduce students to global certifications, and share industry-relevant knowledge crucial for career advancement. The event also emphasized the importance of building a competitive profile in today's job market.

Detailed Description of the Session

The event was inaugurated by **Mr. NLN Reddy Sir**, who addressed the students on the significance of global certifications in their professional journey. He stressed:

- The necessity of obtaining **at least two global certifications** before placements.
- The role of certifications in profile enhancement and employability.

Following the introduction, **Mr. Vamshi Krishna Raju** began the session with core concepts of **Cybersecurity**, stating that it is **not merely data protection**, but a broader domain involving both offensive and defensive practices:

- **Red Team** - Attackers
- **Blue Team** - Defenders

He clarified the difference between:

- **Hacking:** Unauthorized access (illegal)
- **Ethical Hacking:** Authorized access (legal)

He discussed the **Phases of Hacking:**

1. Reconnaissance
2. Scanning
3. Gaining Access
4. Maintaining Access
5. Deleting Logs

Mr. Vamshi illustrated real-life examples, such as **vulnerabilities in the Zomato application**, and explained the **non-mandatory role of programming in**

cybersecurity, unlike AI development, which relies on security for data protection.

Students were encouraged to:

- Explore job roles like **Malware Analyst** on platforms like Naukri.com
- Pursue **startups** to gain hands-on experience
- Transition into Cybersecurity irrespective of their department

He strongly recommended the **CEH (Certified Ethical Hacker)** certification as an **entry-level** credential, highlighting:

- Certification Cost: Rs. 15,000 (discounted from Rs. 30,000)
- Validity: 3 years
- Duration: ~3 weeks
- Time Commitment: 80–100 hours
- Coverage: 20 practical modules (no MCQ section)

Key topics covered:

- **Cyber Keychain:** The process to prevent ethical hacking
- **HIPAA Compliance:** For managing large-scale data
- **Keylogger:** A malware that captures keystrokes
- **IoT Hacking and Flipper Zero Tool:** A multi-purpose hacking tool
- **NFC (Near-Field Communication):** Used in touch-pay systems

EVENT PICTURES:



EVENT OUTCOMES

- **Career Awareness:** Students gained clarity on cybersecurity roles and pathways
- **Certification Guidance:** Detailed insights into CEH and its practical value
- **Industry Tools Exposure:** Introduction to tools like Flipper Zero and keylogging concepts
- **Multi-disciplinary Opportunities:** Emphasis on inclusivity for students across all branches
- **Motivation to Build a Profile:** Reinforced the importance of early upskilling and certification