

## Workshop Outcomes:

- Use core security terminology correctly (risk, threat, vulnerability).
- Understand encryption, hashing and steganography through practical exercises.
- Capture and analyze traffic in Wireshark; compare HTTP vs HTTPS visibility.
- Apply basic network security controls (firewall / host rules).
- Solve guided challenges that build investigation and attacker mindset.

## Workshop Objective:

In three days, participants move from awareness to core security concepts to real network analysis, using guided hands-on labs and scenario-based challenges.

## Organizers

### CHIEF PATRON

Prof. T. KISHEN KUMAR REDDY  
Vice-Chancellor, JNTU Hyderabad

### PATRONS

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Rector, JNTUH

Dr. K. VENKATESHWARA RAO  
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Professor of CSE & Principal, JNTUH UCEJ

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Professor of EEE & Vice Principal

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Professor & Head, Dept. of CSE.

### COORDINATORS

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Sri. P SREENIVASA RAO, Associate Professor, Dept. of CSE  
Sri. O. RAJU, Assistant Professor(C), Dept. of CSE  
Sri. T. VENKATESH, Assistant Professor(C), Dept. of CSE

### ADVISORY COMMITTEE

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Dr. SURESH SRIPADA, Assistant Professor of Physics & HoD



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD  
UNIVERSITY COLLEGE OF ENGINEERING JAGTIAL  
(Accredited by NAAC: A+ Grade, Autonomous)

DEPARTMENT OF  
COMPUTER SCIENCE AND ENGINEERING

Organizes

a Three Days Workshop on

**"Cybersecurity Bootcamp: Theory, Hands-on Labs, and Challenge-Based Learning"**

(16-03-2026 to 18-03-2026)

Last Date for Registration

**"14-03-2026"**

For more Details visit:

[www.jntuhcej.ac.in](http://www.jntuhcej.ac.in)

~ "In technology, continuous learning is the fuel that ignites innovation and propels progress"

# CYBERSECURITY



## DAY 1 — Cybersecurity Basics + Intro Attacks

### THEORY:

- CyberSmart / Importance of Cybersecurity
- Introduction to Cybersecurity
- Core Security Terminology

### LABS:

- Cybersecurity Goals Lab (CIA mapping)
- Risk-Threat-Vulnerability Lab (attack mapping)

### CHALLENGES:

- Break the Iron Gate
- Pattern of Failure

### DAY OUTCOMES:

- Security language and basics become crystal clear
- Students learn how weaknesses turn into attacks

## DAY 2 — Core Cryptography Concepts

### THEORY:

- Cryptography: Encryption & Decryption
- Hashing: Integrity and validation

### LABS:

- Symmetric Encryption Lab
- Asymmetric Encryption Lab
- Steganography Lab
- Hashing Lab
- Hash Compare Lab

### CHALLENGES:

- The Ledgion Vault Job
- Executive Hijack
- Operation Hashfall
- Undercover Operation

### DAY OUTCOMES:

- Differentiate encryption vs hashing with confidence
- Apply crypto concepts in real scenarios

## DAY 3 — Networking + Packet Analysis + Network Security

### THEORY:

- Packet Flow & Packet Analysis using Wireshark
- Network Security Concepts
- Network Devices & roles

### LABS:

- Wireshark HTTP Lab
- Wireshark HTTP vs HTTPS Lab
- Firewall / host rules (iptables) lab

### CHALLENGES:

- Cybernoxet Traffic Trace
- Insider Sabotage

### DAY OUTCOMES:

- Capture traffic and explain what happened in a session
- Apply baseline controls and validate results

## Important Dates & Schedule

**Workshop Dates:** 16th - 18th March, 2026

**Last Date of Online Registration:** 14th March, 2026

**Daily Sessions:** Morning (10:00 AM – 01:00 PM)  
and Afternoon (02:00 PM – 05:00 PM)

### Contact us:

**Email:** [jntuhcej.cse5@gmail.com](mailto:jntuhcej.cse5@gmail.com)

**Mr. T Venkatesh, #9177113556**

**Mr. O. Raju, #8919462632**

### Registration Fee:

**Students:** Rs. 500/-

**Faculty:** Rs. 1000/-

**Industry Person:** Rs. 1500/-

**\*Participants will get a Workshop Completion Certificate.**

### Registration Link:

<https://forms.gle/br3qgLJVbmpiZzCh7>

## About JNTUHUCEJ

JNTUH University College of Engineering Jagtial (JNTUH UCEJ) was established in the year 2007 as a constituent college of Jawaharlal Nehru Technological University Hyderabad. The College was approved by AICTE, New Delhi and recognized by UGC under Section 2 (f) & 12 (B) of the UGC Act, 1956. JNTUHUCEJ has received THE ENGINEERING EDUCATORS AWARD from the University of Bradford, UK and Education Matters for exemplary commitment and impactful positive contribution to the education sector on 8th February, 2014. The College was accredited by NAAC with A+ in 2022. The three UG Programs : such as CSE, EEE & ME offered by the college are accredited by NBA. The College was located in a serene and green environment with well equipped and state of the art laboratories in all the departments, The faculty are highly qualified and about 90% of them are Doctorates.

## Institution Vision

The aspiration is to emerge as a premier institution in technical education in producing professional and competent engineers capable of making valuable contributions in Engineering and Technology.

## Institution Mission

The aspirations shall continue to fulfill With the support of diligent, assiduous, industrious, and highly qualified faculty.

- With state-of-art facilities for knowledge enrichment of students.
- Guiding and training students in conjunction with needs of industry

## About The Department

The Department of Computer Science and Engineering was established in the year 2007. The Department offers UG and PG Programs. It was accredited by NBA for UG-CSE. The Department has been maintaining high standards in imparting quality education in Computer Science. The Department has state of the art infrastructure and computing equipment supported by high speed internet and wireless networks. The faculty in the department comprises of three Professors, one Associate Professor and two Assistant Professors (C). The Department faculty have more than 500 publications, filed more than 15 patents and undertaken more than 5 funded research projects. The thrust areas of research include Machine Learning, Artificial Intelligence, Image Processing, Real time operating Systems, Neural Networks, Data mining, Information retrieval and Web mining, Information Security, Networks, Operating Systems, Distributed Systems, Parallel processing and Human Computer Interaction.

## Department Vision

The aspiration is to provide innovative centric professional education in Computer Science and Engineering.

## Department Mission

The aspirations shall continue to fulfill:

- Imparting quality education through innovative teaching learning practices.
- To provide the state-of-the-art infrastructure and technology to suit academic and industry requirements
- Inspire and Motivate the students and staff to attain professional computing and research skills for the continuous improvement.

## About Workshop

This intensive three-day Cybersecurity Bootcamp is designed to take participants from foundational awareness to advanced network analysis through a high-impact blend of theory and challenge-based learning. Powered by CyberWalNet, the program focuses on providing hands-on experience in identifying vulnerabilities, securing data, and analyzing network traffic in real-world scenarios.

### A Comprehensive Three-Day Journey

#### Day 1: Building the Defensive Foundation:

Participants begin by mastering core security terminology and the essential "CyberSmart" mindset. Through the CIA Mapping Lab and the Risk-Threat-Vulnerability Lab, participants gain a crystal-clear understanding of how system weaknesses are transformed into active attacks.

#### Day 2: Mastering Data Integrity & Privacy:

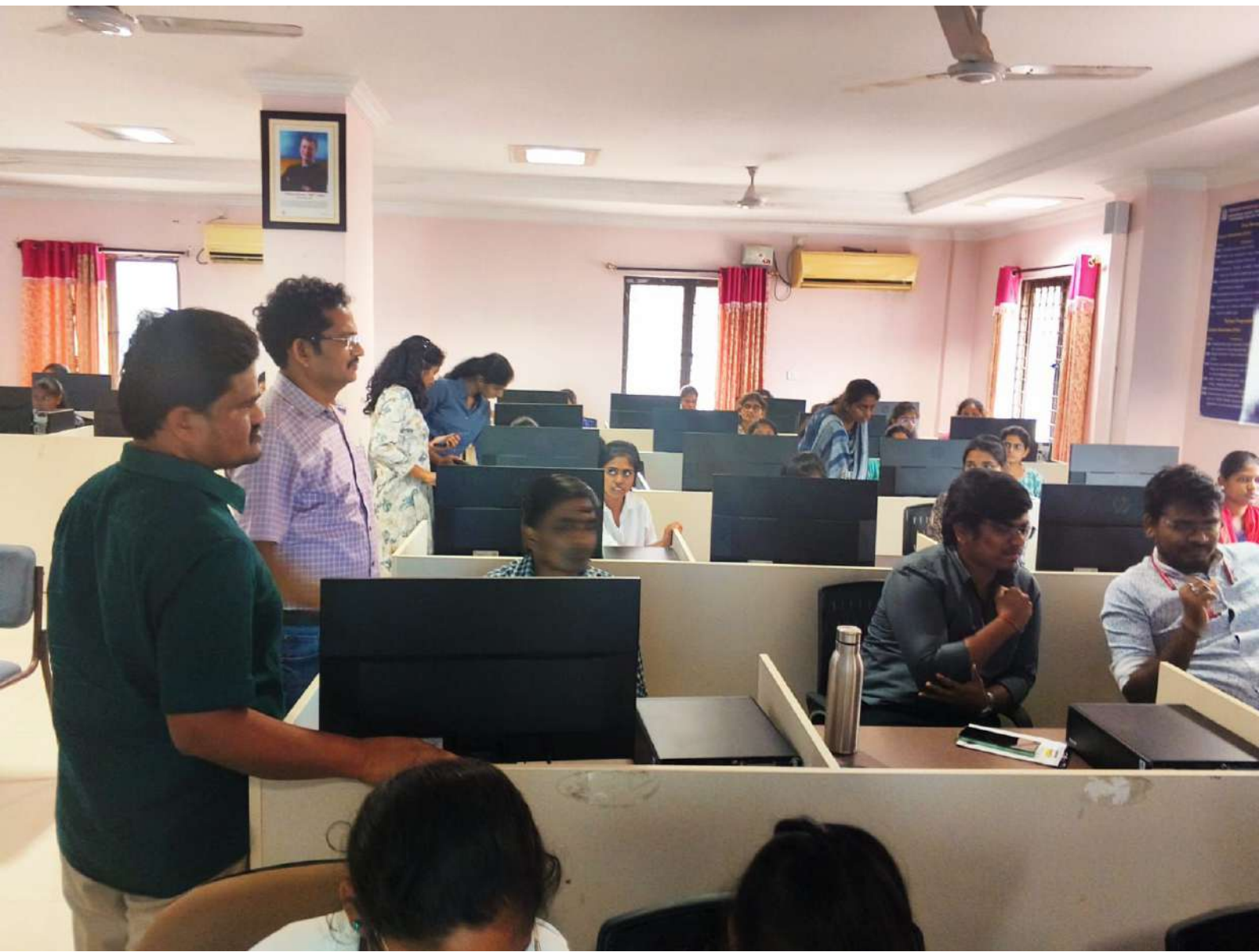
The focus shifts to the core pillars of cryptography. In the lab, participants work directly with Symmetric and Asymmetric encryption, hashing, and steganography. By completing challenges like "Operation Hashfall," participants learn to differentiate between encryption and hashing with professional confidence.

#### Day 3: Network Analysis & Defense:

The final day dives deep into packet flow and network security concepts. Using industry-standard tools like Wireshark, students analyze HTTP vs. HTTPS traffic and implement firewall rules (iptables) to secure systems. The workshop culminates in traffic-tracing challenges that teach students how to capture, explain, and validate security controls within a live session.

**“Cybersecurity is not just technology – it’s the shield that protects our digital future.”**









JAWAHARLAL NEHRU AUDITORIUM

**Outcomes**

**A Three Days Workshop on Contemporary Bootcamp: Theory, Hands-on Labs, and Challenge-Based Learning**  
08-09-2026 to 10-09-2026

"Help bring other people's solutions, building upon each other's, to help us learn from each other, and help us develop the skills and conceptual learning that drive the new generation of digital leaders."

**Organized by:**  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KATRAJ  
UNIVERSITY COLLEGE OF ENGINEERING  
(Autonomous) - NKPVI (A Grade)

**Coordinators:**  
Dr. S. Srinivasan  
Associate Professor & Head  
Department of CSE

**Co-Chair:**  
Dr. S. Srinivasan  
Associate Professor & Head  
Department of CSE

Dr. A. Srinivasan

Dr. S. Srinivasan

Dr. S. Srinivasan

Dr. S. Srinivasan



AUDITORIUM

Workshop on ... and Challenge-Based Learning

CHAIRMAN  
Dr. G. NARASIMHA  
Professor of ESE & Principal  
INSTITUTE OF ENGINEERING  
UNIVERSITY HYDERABAD

ENGINEERING  
UNIVERSITY HYDERABAD  
ING (AGTIA)







JAWAHARLAL NEHRU AUDITORIUM

**A Three Days Workshop on Cybersecurity: Bootstrap, Theory, Hands-on Labs, and Challenge-Based Learning**  
09-02-2023 to 12-02-2023

Bring along your projects, assignments, learning goals, etc. and participate in various lab and challenge-based activities for the benefit and development of your skills in the field of Cybersecurity.

Organized by:  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
JAWAHARLAL NEHRU CENTRAL ENGINEERING COLLEGE  
UNIVERSITY OF ENGINEERING & TECHNOLOGY  
K. J. Somaiya Institute of Engineering & Information Technology, Mumbai

Dr. J. K. Kulkarni  
Dr. A. K. Kulkarni  
Dr. S. K. Kulkarni  
Dr. S. K. Kulkarni  
Dr. S. K. Kulkarni





GPS Map Camera

# Karimnagar, Telangana, India

Mw85+7cj, Karimnagar, Telangana 505501, India

Lat 18.665538° Long 78.908629°

Monday, 16/03/2026 11:04 AM GMT +05:30







GPS Map Camera

Jagtial, Telangana, India 

Academic Block 1, Telangana 505501, India,

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Lat 18.662772° Long 78.908982°

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