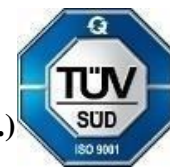




**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE**  
(UGC-AUTONOMOUS INSTITUTION)

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**A Report on One day Hands on Workshop on**  
**“Offense and Defence in Cybersecurity: Penetration Testing and IDS with N-Stalker and Snort”**

**Organized by Department of Computer Science and Technology**  
**in association with MITS IEEE Student Branch**  
**on 14-05-2025**

**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE**  
(UGC-AUTONOMOUS INSTITUTION)  
Madanapalle - 517325, Annamayya Dist., Andhra Pradesh, India

**One Day Hands-on Workshop**  
on  
“Offense and Defence in Cybersecurity: Penetration Testing and IDS with N-Stalker and Snort”

Organized by  
**Department of Computer Science and Technology**  
in association with MITS IEEE Student Branch

Date : 14/05/2025 Time: 10:00 AM to 04:00 PM Venue: Seminar Hall - C

**Resource Person**  
**Mr. Kuppam Johari**  
Bug Bounty Hunter,  
Cybersecurity Educator & Developer,  
CEO & Founder of 4Corpus, Bangalore.

Chief Patron: Dr. N. Vijaya Bhaskar Choudary  
Patron: Mrs. Kourthi Nadella  
Program Chair: Dr. C. Yuvraj  
co-chair: Dr. K. Dinesh  
Convener: Dr. N. Praveena  
Co-ordinators: Dr. K. Giridhar, Asst. prof. CST  
Secretary & Correspondent: Ms. B. Lakshmi, Asst. prof. CST

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**Report Submitted by: Dr. N. Praveena Assistant Professor, Department of CST. Dr. K. Giridhar Assistant Professor, Department of CST. Ms. B. Lakshmi Assistant Professor, Department of CST.**

**Resource Person details: Mr. Kuppam Johari, MITS Alumni, Bug Bounty Hunter, Cybersecurity Educator & Developer, CEO & Founder of 4Corpus, Bangalore.**

**Attendance: 130 (Internal)**

**Venue: Seminar Hall - C (South Block)**

**Mode of Conduct: Offline**

**Report Received on 19.05.2025**

The Department of Computer Science & Technology at MITS organized a one-day hands-on workshop on cybersecurity, focusing on both offensive and defensive strategies using N-Stalker and Snort. The event was aimed at providing students with practical exposure to Penetration Testing and Intrusion Detection Systems (IDS), enhancing their understanding of real-world cyber threats and countermeasures.

**Objective:** To equip students with practical knowledge and experience in cybersecurity, focusing on offensive strategies using N-Stalker for penetration testing and defensive mechanisms using Snort for intrusion detection.

The Program started with the Welcome Address by **Dr. K Giridhar**, Assistant Professor, Department of CST. **Ms. B. Lakshmi**, Coordinator of the event, gave a brief introduction of the Resource Person Mr. Kuppam Johari, elaborating on his accomplishments and contributions to the field of cybersecurity. **Dr. K. Dinesh**, HOD, Department of CST briefly explained the need of Cyber Security and the recent developments available in this field.

The **Resource person**, Mr. Kuppam Johari started the session by extending his heartily thanks to the students, organizing members, HOD, Principal and Management of MITS, Madanapalle for giving him opportunity to share his knowledge, experience and insights about Cyber Security.

The **first session** on "Offensive Security – Penetration Testing with N-Stalker" was conducted by Mr. Johari. He demonstrated various penetration testing techniques, tools, and best practices using N-Stalker, giving students hands-on exposure. The **second session** focused on "Defensive Security – IDS Implementation with Snort", where Mr. Johari guided students through the deployment and configuration of Snort to detect network intrusions.



He concluded the session by explaining various real time attacks like SQL injection attacks, Phishing attacks and network vulnerabilities by using different tools like Nmap, Wireshark and Burp Suite. He also explained about his journey and the certifications he has done through his career. He addressed various questions raised by the students.

### **Q & A Session:**

Many students were keen on taking Cyber Security as a career and asked various questions and got answers from the Resource Person. The following are few questions asked by many students.

1. What is the primary difference between offensive and defensive cybersecurity?
2. Why is penetration testing important for modern organizations?
3. What is the role of an Intrusion Detection System (IDS) in network security?
4. How do penetration testers differ from malicious hackers?

### **Vote of Thanks:**

The session got ended by giving Vote of Thanks by Dr. N. Praveena Assistant Professor, CST thanking the resource person, faculty members and students, and expressed her gratitude to the Management, Principal, Vice Principal Academics and Vice Principal Administration for giving permission and support to organize this program. The resource person is felicitated by Dr. R. Manikandan, Academic Coordinator of CST, and Coordinators of the Program, Staffs and students.

### **Outcomes of the Event:**

1. Students gained hands-on experience with real-time cybersecurity tools.
2. Increased awareness of current cybersecurity challenges and solutions.
3. Encouraged students to explore careers in cybersecurity domains.
4. Positive feedback from participants highlighted the relevance and quality of the session.