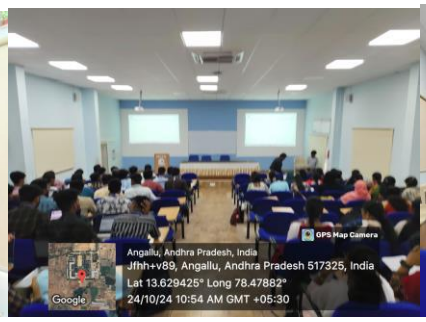
A Report on Three-Days Workshop on "Cyber Security Essentials & Digital Défense" Organised by Department of CSE- Cyber Security in collaboration with MITS IEEE Student Chapter, IEEE SMC and IIIC from 22.10.2024 to 24.10.2024



Report Submitted by: Mr. M. Mutharasu Assistant Professor, Department of CSE-Cyber Security.
Resource Person Details: Mr. J. Anand, Director, Vabtech Solutions Private Limited, Chennai.
Mode of Conduct: Offline
Venue: Seminar Hall A
No. of Participants: 121
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The C.S.E(Cyber Security) department at Madanapalle Institute of Technology & Science (MITS), in collaboration with the MITS IEEE Student Chapter, IEEE SMC and IIIC successfully organized a three-day workshop on **Cyber Security Essentials & Digital Défense** from 22-10-2024 to 24.10.2024. The objective of the workshop was to provide hands-on experience and a deep understanding of Cyber Security, an integral part of modern security development, by an industry expert, Mr. J. Anand. The workshop saw active participation from students, fostering a learning environment aimed at bridging the gap between theoretical knowledge and industry practices.

Objectives:

The primary objective of this three-day workshop was to provide students with a foundational understanding of Awareness and Education, Data Protection, Network Security, Safe Digital Practices. Additionally, the workshop aimed to encourage students to explore opportunities to attend future workshops, seminars, or training programs.

Outcomes:

1.Gain foundational knowledge about cybersecurity principles, including confidentiality, integrity, and availability of data.
2.Familiarize with key terminology, such as malware, phishing, ransomware, and other forms of cyber-attacks.
3. Learn how to identify different types of cyber threats and understand how they impact individuals, organizations, and governments.
4.Understand threat vectors and how vulnerabilities can be exploited.
5.Develop strategies for protecting systems and data, including encryption, access controls, and multi-factor authentication.
6.Gain insights into endpoint security, securing mobile devices, and implementing robust data loss prevention mechanisms.
7.Gain hands-on experience with cybersecurity tools like antivirus software, intrusion prevention systems, and vulnerability scanners.
8.Practice with penetration testing, vulnerability assessment, and security audit tools to identify and fix security weaknesses.

Certificate: Finally, the participant's certificates are handed out to everyone.