MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC - AUTONOMOUS)

Report on
Workshop on Cyber Security
Organized by Andhra Pradesh Information Technology (APITA) &
Department of Computer Science & Engineering
25th – 27th October 2018

Submitted by : **Dr.V.Arun, Senior Assistant Professor, Department of Computer Science & Engineering**

Andhra Pradesh Information Technology (APITA) and the Department of Computer Science & Engineering organized a workshop on Cyber Security for B.Tech- IV Year I semester students from 25 to 27 October 2018 with the motto of empowering the students' knowledge in all the fields of Computer Science & Engineering.

What is Cyber Security? Cybersecurity is the protection of internet-connected systems, including hardware, software and data, from cyberattacks. In a computing context, security comprises cybersecurity and physical security -- both are used by enterprises to protect against unauthorized access to data centers and other computerized systems. Information security, which is designed to maintain the confidentiality, integrity and availability of data, is a subset of cybersecurity. One of the most problematic elements of cybersecurity is the constantly evolving nature of security risks. The traditional approach has been to focus resources on crucial system components and protect against the biggest known threats, which meant leaving components undefended and not protecting systems against less dangerous risks. The use of cybersecurity can help prevent cyberattacks, data breaches and identity theft and can aid in risk management.

By learning this, students can get 100% job placement.

Two resource persons from "eSF Labs Limited" Hyderabad visited our campus to train our students.

Inauguration: The inaugural session started at 10:15 AM in the Scale-up class room. Dr. R. Kalpana, Professor & HoD of Computer Science & Engineering, Dr.Ch.Rama Prasada Rao, Professor and Dean – Industry Institute Interaction Cell, Dr. C. Yuvaraj, Principal-MITS, Mr.A.Sai Shanthan, Network Forensics, eSF Labs Ltd., Mr. P. Tirumal Rao, IOT Security, eSF Labs Ltd. Were invited to the dais to inaugurate the wokshop.

First, Dr. R. Kalpana was requested to give the opening remarks. She explicated the importance of Cyber Security. She inspired the students to learn perfectly in order to get a job or to reach the desired success.

Later, Dr. Ch.Rama Prasada Rao, addressed the students and motivated them to use this opportunity. He thanked the organizers for organizing this workshop.

Next, Dr. C. Yuvaraj, Principal, emphasized that the students must utilize the opportunities provided by the management and the faculty in bringing eminent personalities for lectures and talks, which will help them to make their basics strong and gain more knowledge on the core subjects. He motivated all the students to actively participate in the workshop and gain the maximum knowledge.

Mr. A. Sai Shanthan and Mr. P. Thirumal Rao gave a brief introduction to Cyber Security and detailed about the experiments they were going to include in the training session.

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The topics covered in 3-day training on workshop of cyber security were as follows:

Date	Topics
25-10-2018	a) Introduction to Cyber security b) Configuration of IP address (public, private) c) Vmware Installation (Linux)
26-10-2018	a) Vmware Installation (Windows) b) Ip-Supporting and MAC Spoofing c) Linux – Bypassing
27-10-2018	a) Windows – Bypassing b) Windows – Hacking c) FM – Hacking d) Phishing attack (hacking)