TWO DAYS WORKSHOP ON
ETHICAL HACKING AND CYBER SECURITY

on
22.02.2019 & 23.02.2019

Organized by

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Registration Form

Name   :

Age   :

Gender   :

Qualification   :

Designation   :

Organization   :

Address for Communication:

Mobile No. :

E-mail ID:

Whether Needed Accommodation: YES/NO

Place:

Date:

Signature
with Seal

ORGANIZING COMMITTEE

Patrons:
Col.Dr.G.Thiruvasagam, Vice Chancellor
Dr. P. Saravanan, Registrar
Mrs.V. Sangeetha Albin, Director-Admin

Convener:
Dr.T.Sasilatha,
Professor and Dean, Dept of EEE & Dean Academic

Program Coordinators:
Dr. V. Karthikeyan, Professor / EEE
Ms. G. Jegadeeswari, Asst. Prof. / EEE
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AMET
ACADEMY OF MARITIME EDUCATION AND TRAINING
DEEMED TO BE UNIVERSITY
(Under Section 3 of UGC Act 1956)

Celebrating 25th Year

TWO DAYS WORKSHOP
on
ETHICAL HACKING AND CYBERSECURITY
22.02.2019 & 23.02.2019

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

In association with

PRISTINE
InfoSolutions

ABOUT THE UNIVERSITY

AMET University has got a unique distinction of being the first maritime university established in India and offering academic, research, training in maritime education as well as offering consultancy service to maritime sector for the past seven years contributing much to produce human resources to the shipping industry in India and aboard. Invariably at least five students cadets of AMET proudly occupy exalted positions like chief engineers, captains and other key posts in every ship sailing in the international waters. Further AMET proudly holds the prestigious award of "A1 outstanding grade" conferred by the directorate general of shipping, Ministry of shipping, Government of India.

ABOUT THE DEPARTMENT

Department of Electrical and Electronics Engineering is established in the year 2008 with the objective of imparting quality education of international standards and to produce highly innovative Electrical and Electronics Engineers capable of solving global maritime challenges. The Department offers 4 years U.G program in EEE and 2 years P.G program in Power Systems and Doctoral programs in core areas as well as interdisciplinary domains.

The department houses state-of the art laboratories, smart class rooms and well stacked library to impart teaching and research. The department is committed to community development and conducts regular extension activities to benefit the local and needy villagers around the university. The department is proud of its legacy of Alumni who occupies key positions in world class Maritime/Non-Maritime sectors

ABOUT WORKSHOP

To promote innovation and to provide new ideas to the faculty members, the Department of Electrical and Electronics Engineering planned to organize two days workshop on "Ethical Hacking and Cyber Security" on 22nd and 23rd February 2019.

COURSE CONTENT

Day 1: 22.02.2019	
Introduction to Ethical Hacking	**Computer Security- Basics**
Hacking Vs Ethical Hacking	Introduction to operating system
Who is hacker and types of hacker	File Securing Techniques
Common Keywords	
Network Security	**Email Security**
IANA and allotments of IP address	Various Protocol of Email
IPV4 and IPV6	Hacking Mailing Client
Ping and Ping Sweep	Email Spoofing
Trace routing	Domain and IP Blacklisting
Nmap- Common Command	Countermeasures
Domain Name and DNS	**Malware**
Types of Domain	Trojan
ICANN and top level Domains	Keyloggers
Domain Name Registration Process	Virus & Worms Concepts
Who is info	Bat File Scripting
	Counter measures
Password Cracking and Prevention	
Complexity of password	
Password cracking Techniques	
Cracking web based passwords	
Kali Linux tools introduction	
Facebook & other accounts cracking & prevention	
Countermeasures	

Day 2: 23.02.2019	
Mobile Phone Hacking	**Website Hacking**
Introduction	Google Dorks
Mobile Malware	Sql Injections Basics
WhatsApp hacking & prevention	Finding Admin panel
Countermeasures	

Foot- Printing	**Port Scanning**
Types of Foot Printing	Types of port
Methods & Techniques	Virtual port numbers
Finding IP & OS	Detecting open ports
Tools	Anti-port scanning methods
	Countermeasures
Cyber law and Consulting	**Other types of Attack**
Introduction	DoS and DDoS Attack concepts
Cyber law and cyber space	Social Engineering attack
IT Act, 2000 and Amendments	Steganography and Steganalysis
Types of crimes	
CERT-In and DOT	
Central Acts & state Acts	

Objectives of the Workshop :

The Main objective of this workshop is:

- To give an insight of the Ethical Hacking and how to protect our system against hazardous effects.
- To identify and analyse the stages, an ethical hacker requires to take in order to compromise a target system.
- To identify the latest tools and methods being used by cyber criminals & terrorists and how ethical Hackers can fight them

Registration Fee

Students : 500/-

Faculty / Research Scholar : 600/-

Important dates:

Last Date for receipt of applications: 19.02.2019

Confirmation of Participants: 21.02.2019

Resource Person:

Equinox Pristine Info Solutions, Mumbai, 400059

Eligibility

- Any person with basic knowledge on computer and interest towards Information Security / Cyber Security Domain can participate in this workshop.
- College teaching staff & students of any branch is eligible for this workshop