

A WORKSHOP CUM COMPETITION

On
NETWORK SECURITY

In Collaboration With
IEEE Student Branch

GEC, Ajmer

Submitted by:

CETPA INFOTECH PVT.LTD.

(An ISO 9001:2008 Certified Company)

“We believe in quality because knowledge matters”

CETPA

Because Knowledge Matters

ISO 9001: 2008 Certified

A Professional Workshop on NETWORK SECURITY**KEY BENEFITS:**

- ✓ CETPA will provide **Project & Technology assistance** to the college & Workshop Participants for **one year**.
- ✓ Demo of **NETWORK SECURITY** along with various Tools for the First time in any Educational Institute.
- ✓ The students will get an opportunity to learn and interact with **Dedicated and Experienced Experts** of the Organization.
- ✓ The sessions will be **“INTERACTIVE”**; it will be learning with fun experience including various **live demo and presentations**.
- ✓ Being **ISO 9001:2008 certified** and an Organization indulged into **Software & Electronic Products Development & Research**, **CETPA Certification** is emphatically **recognized** among the industry.

TOPICS THAT WILL BE COVERED**SESSION 1:****INAUGURATION OF THE WORKSHOP**

- ❖ DISTRIBUTION OF CETPA WORKSHOP KIT.
- ❖ INTRODUCTION OF NETWORK SECURITY.
- ❖ SCOPE OF NETWORK SECURITY. ❖ IMPORTANCE TO ENGINEERS.

SESSION 2:**FUNDAMENTALS OF NETWORKING** ❖**TOPOLOGY.**

- ❖ NETWORK MEDIA.
- ❖ NETWORK MODELS.
- ❖ NETWORK HARDWARE.
- ❖ ROUTERS.
- ❖ HUB AND SWITCHES.

SESSION 3:

IP ADDRESS AND OSI MODEL ❖

INTRODUCTION OF IP ADDRESS.

- ❖ SUBNETING.
- ❖ SUPERNETING.
- ❖ VLSM.
- ❖ CIDR.
- ❖ IP ADDRESS CONFIGURATION. ❖ OSI MODEL.

SESSION 4:**NETWORK OPERATING SYSTEMS ❖**

WINDOWS SERVER FAMILY.

- ❖ NAME RESOLUTION AND DNS.
- ❖ DHCP AND NFS SERVER. ❖ TELNET AND SSH.

SESSION5:**CLASSIFICATION OF NETWORK ATTACKS**

- ❖ RECONNAISSANCE.
- ❖ NETWORK SNIFFING.
- ❖ NETWORK ACCESS METHODS.

SESSION 6:**SECURING COMPUTERS AND ROUTERS ❖**

PASSWORD POLICY.

- ❖ USER RIGHTS.
- ❖ NETWORK ACCESS POLICY.
- ❖ SECURING DNS SERVER.
- ❖ ACL ON ROUTERS.
- ❖ RESTRICT TELNET. ❖ VLANS.

SESSION 7:**COMPETITION & QUERY SESSION**

- ❖ COMPETITION BASED ON CONTENTS OF WORKSHOP
- ❖ Q & A SESSION

- ❖ STUDENTS DOUBT CLEARANCE SESSION
- ❖ CAREERS IN NETWORK SECURITY

SESSION 8:**AWARDS & CERTIFICATE DISTRIBUTION**

- ❖ AWARDS & CERTIFICATES OF HONOUR TO WINNERS.
- ❖ CERTIFICATES OF HONOR TO SELECTED PARTICIPANTS.
- ❖ CERTIFICATES OF PARTICIPATION TO ALL PARTICIPANTS.
- ❖ CERTIFICATE OF APPRECIATION TO CO-ORDINATORS.

DETAILS OF THE PROGRAM**Duration:**

- ❖ 1 Days Workshop
- ❖ 5 hours a day with 1 hour break during the whole day.

Salient Features:

- ❖ **Event of NETWORK SECURITY Competition at the last session.**
- ❖ **Certificate of participation to all participants.**
- ❖ **Certificate of Honour & Trophy to Winners.**

Eligible Participants:

- ❖ All Engineering, Science, M.BA or PhD students and hobbyist of Engineering & Mathematics can attend the workshop, as AUTO CAD has become the backbone of all the industries today.

Workshop Handouts:

- ❖ A Workshop Notepad to all participants.
- ❖ Soft Copy of Handouts and other related study material to participants

NOTE: - The certificates will be provided by CETPA Corporate Office, Noida and will be completely authenticated by CETPA InfoTech Pvt. Ltd. for future reference. The participants will get regular updates on AUTO CAD Technology through E-mails.

Benefits for the Participating Students

- ❖ Student will be provided **software & handouts** discussed in the Workshop.
- ❖ Workshop participants will get **heavy discount** on our **training programs** and other **Professional Workshops** valid for one year.
- ❖ **Q&A Sessions** of participants for doubt clearance leading to better subject knowledge.
- ❖ **Competitions** will be held to spot out **budding talents** during the workshop and will be **awarded**.
- ❖ **Career guidance** will be provided during the program on and life in Engineering industry - an answer of **Engineering students** most generalized **dilemma**, what to do after B.Tech?