

Sub Committee for Curriculum Development

Course Name: Server Security and hardening

(UG/PG): PG

Number of Credits: 04

Level: 4

Learning Objective(s):

Further to the knowledge of Network OS, it is essential for a system admin to have an understanding of server security and hardening. This course will enable the students to understand and apply the elements and procedures to be applied to server during both installation and post-installation.

Pedagogy:

Lectures
Hands-on Lab sessions

Pre-learning:

Knowledge of network operating systems.

Course Outline:

S.No.	Topic	Hours
1	Security- Threats, Attacks, Prevention	2
2	IP Tables, Firewalls – Linux, Windows	8
3	Server Hardening – Linux, Windows	10
4	Web Server Security – Apache, IIS	12
5	Application Services – DHCP, DNS, Mail	10
6	Directory Services	6
7	UTM	6
8	Disaster Recovery / Management	6

Books Recommended

Professional Windows Desktop and Server Hardening, Roger Grimes, Wrox
Suse Linux Enterprise Server – Security and Hardening

User manuals and documentation of the Server OS used.

Suggested Evaluation Methods:

- Practicals
- Presentation
- Quizes

Parallel/Similar courses the existing curriculum:

S.No.	Name of the course	Institute where it was offered

Name of Member				
Designation				
Org. / Inst.				
Signature				

Name of the Expert:

Signature:

Date: