



**Faculty of Computer Studies (FoCS)
Sub Committee for Curriculum Development**

Format to submit syllabus

Course Name: Linux Server Essentials

(UG/PG): PG

Number of Credits: 3

Level: 3

Learning Objective(s): The course aims in providing a hands on approach to understand the Linux server architecture, operations, use, configuration and deployment of server in various scenarios.

Pedagogy:

Lectures
Hands-on Lab sessions

Pre-learning:

Knowledge of operating systems
Linux Essentials

Course Outline:

Sr.No.	Topics	Hours
1	Linux Overview Users, Groups & Domain File, File Systems and File server	6
2	Linux Server Architecture	5
5	Linux Server – Network and Network based applications	7
6	Linux Server – Cloud & virtualisation	8
7	Linux Server – Data protection & Security	7
8	Linux Server – Applications and Services (Example: FTP, Email)	5
9	Linux Server – Configuration, Administration & Maintenance	7
	Total	45

Books Recommended:

1. The Definitive Guide to CentOS - Membrey, Peter, Verhoeven, Tim, Angenendt, Ralph
2. CentOS 6 Linux Server Cookbook Paperback – by Jonathan Hobson
3. Online material at Ubuntu & CentOS

Parallel/Similar courses the existing curriculum:

Sr.No.	Name of the course	Institute where it was offered
1	Linux Server Essentials	SICSR

Name of Member	Prof Harshad Gune			
Designation	Dy. Director			
Org. / Inst.	SICSR			
Signature				

Name of the Expert:

Signature:

Date: