



CBGS-2012(R)



TCET/FRM/IP-02/10

Semester Plan (Practical / Tutorials / Assignment)

Semester: V

Course: T.E IT

Batches: **T.E**

Subject: Open source software technology

Class: T.E IT- A

Batch size: 20 Students

Laboratory faculty in charge: Ms. Nishtha Mathur (204) Lab. Assistant /Attendant: Mr. Vinod Maurya

Note: Experiment planned as per University curriculum

Basic Experiments:

Sr. No.	TITLES Experiments / Tutorials / Assignment (Planning with use of Technology)	Planned Date	Completion Date	Remarks
1	To study and implement basic linux file system commands	27/07/17		
2	To study and implement administrative linux commands	03/07/17		
3	Networking command and SSH Services	10/07/17		

Design/ Development Experiments:

4	Installation of Linux and configure FTP Server on it.	24/08/17	
5	Configure Apache Server/ Web Server and host web page on it.	31/08/17	
6	Develop a code in shell script to demonstrate looping and control structure	07/09/17	
7	Develop a code in shell script to demonstrate file operations of OS.	14/09/17	
8	Develop a simple android application	21/09/17	
9	Create a new user in linux without using administrative commands. (Hint: Configure file e.g /etc/group, /etc/shadow)	05/10/17	

Group Learning Activity:

10	Case study on Linux OS	12/10/17	
11	Squid Server Configuration	12/10/17	

Bridge courses Objective: Bridging of gaps with respect to prerequisites and industry skills or to carryout research in that particular field. (20 Hrs / Semester / student)



TCET

DEPARTMENT OF INFORMATION TECHNOLOGY (IT) Credit Based Grading Scheme(Revised - 2012) - University of Mumbai



Credit Based Grading Scheme(Revised - 2012) - University of Mumbai CBGS-2012(R)

Sr. No.	Bridge courses/Technology	Duration (Week/hrs)	Modes of Learning	Recommended Sources
1.	Prerequisite course: Programming using Unix or Java	2 Weeks / 3 Hrs	Self Learning/ Revision	http://www.tuts wing.com/cplus plus-home
2	Advanced course: Android Programming	12 Weeks / 2 Hrs	Self- Learning/ Revision	NPTEL

Mini /Minor Projects Objective: To get hands on experience to execute projects with respect to student choice in the following areas. (30 Hrs / Semester / Student). (Total 120 Hrs) The areas are :

1. Research 2. Core 3. Multidisciplinary

4. Application

Major project : As per University Scheme

Sr. No.	Project Title/Group Size		Class	Type / Project Hours	Modes of Learning		Reference		
1	Online Question paper setting			TE	Application	PBL			
	Planned	Completed		Planned	Completed	ſ '	Plar	ined	Completed
No. of Prac.	Basic Exp: 03 Design Base Exp: 06 Group Learning: 02 Bridge Course: 02 Minor Project: 01		No. of Assg.:	03		No. of Tutorial	0	10	
DOSLNE:				DOSLE	DOSLE (engaged in some other dates)				

Group activities are required to be added with the practical related to course to enhance the learning activity of the student in the course. Group activity includes: Group presentation, new experiment design, mini projects etc. **Note:**

1. The practical plan date and completion date shall be in compliance. For any non-compliance reason(s) required to be stated in remark column.

2. Learning objective and outcome shall be clearly stated with each of experiments/ tutorials/ assignments and are required to be mapped at the end of the semester.

3. Entry for DOSLE (engaged on some other date) shall be done with proper mapping to DOSLNE.

Mrs. Radhika Kotecha Name & Signature of Faculty Date: Mr. Rajesh Bansode Signature of HOD Date:

Signature of Principal / Dean Academic Date: