

TCET/FRM/IP-02/10

Revision: B

**Semester Plan**  
**(Practical / Tutorials / Assignment)**

Semester: **V**

Course: **T.E IT**

Batches: **T.E –A2**

Subject: **Open source software technology** Class: **T.E IT- A&B**  
 Students

Batch size: **20**

Laboratory faculty in charge: Mr Rahul Neve (204)

Lab. Assistant /Attendant:

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	27/7/2017		
2	To study and implement administrative Linux commands	3/8/2017		
3	Networking command and SSH Services	3/8/2017		

**Design/ Development Experiments:**

4	Installation of Linux and configure FTP Server on it.	10/8/2017		
5	Configure Apache Server/ Web Server and host web page on it.	10/8/2017		
6	Develop a code in shell script to demonstrate looping and control structure	24/8/2017		
7	Develop a code in shell script to demonstrate file operations of OS.	31/8/2017		
8	Develop simple Android application	7/9/2017		
9	Create a new user in Linux without using administrative commands. (Hint: Configure file e.g /etc/group, /etc/shadow )	14/9/2017		

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**Group Learning Activity:**

10	Case study on Linux OS	21/9/2017		
11	Squid Server Configuration	5/10/2017		

**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)

Sr. No.	Bridge courses/Technology	Duration (Week/hrs)	Modes of Learning	Recommended Sources
1.	<b>Prerequisite course:</b> Programming using Unix or Java	2 Weeks / 3 Hrs	Self Learning/ Revision	1. <a href="http://www.tutswing.com/cplusplus-home">http://www.tutswing.com/cplusplus-home</a>
2	<b>Advanced course:</b> Android Programming	12 Weeks / 2 Hrs	Self-Learning/ Revision	NPTEL

1. **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

S.No	Project Title/Group Size			Class	Type / Project Hours	Modes of Learning	Reference	
1	Online Question paper setting			TE	Application	PBL		
No. of Prac	Planned	Completed	No. of Assignments	Planned	Completed	No. of Tutorial	Planned	Completed
	Basic Exp: 03 Design Base Exp: 06 Group Learning: 02 Bridge Course: 02 Minor Project: 01			03			00	

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DOSLNE:	DOSLE (engaged in some other dates):	
<p>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.</p> <p><b>Note:</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>3. Entry for DOSLE (engaged on some other date) shall be done with proper mapping to DOSLNE.</li> </ol>		
<p><b>Mrs. Shital H. More</b></p> <p>Name &amp; Signature of Faculty                      Signature of HOD                      Signature of Principal / Dean Academic</p> <p>Date:    Date:    Date:</p>		
<p>Issued By: MR</p>		
<p>Approved By: Principal</p>		