

TCET/FRM/IP-02/10	Revision: B
<b>Semester Plan (Practical / Tutorials / Assignment)</b>	
Semester: <b>VII</b>	Course: <b>IT</b> Batches: <b>B1, B3</b>
Subject: <b>Cloud Computing</b>	Class: <b>B.E.</b> Batch size: <b>20</b> Students
Laboratory faculty in charge: <b>Ms. Radhika K.</b>	Lab. Assistant /Attendant: <b>Mr. Mahendra V.(205)</b>
Note: <b>Experiment planned as per University Curriculum</b>	

**Basic Experiments:**

Sr. No.	TITLES Experiments / Tutorials / Assignment (Planning with use of Technology)	Planned Date	Completion Date	Remarks
1.	Configuring windows hypervisor service	B1:24/07/2017		
		B3: 24/07/2017		
2.	Creating and running virtual machines on open source OS	B1:31/07/2017		
		B3: 31/07/2017		
3.	Study and implementation of Infrastructure as a Service	B1:07/08/2017		
		B3: 07/08/2017		
4.	Study and installation of Storage as Service	B1: 14/08/2017		
		B3: 14/08/2017		

**Design/ Development Experiments:**

5.	Configuring messaging service on Azure and configuration of Private cloud	B1:14/08/2017		
		B3: 14/08/2017		
6.	Implementation of Private Cloud Using Eucalyptus or Openstack	B1:04/09/2017		
		B3:04/09/2017		
7.	Creating and deploy an application using Google Apps engine	B1:11/09/2017		
		B3:11/09/2017		
8.	Creating a Warehouse Application in Salesforce.com's Force.com.	B1:11/09/2017		
		B3:11/09/2017		

**Group Learning Activity:**

9	Case study 1: Case study on mobile cloud computing	B1:18/09/2017		
		B3:18/09/2017		
10	Case Study 2: Amazon Web Services.	B1:25/09/2017		
		B3:25/09/2017		
11	Mini Project a. Implement Round Robin Approach for VM Load Balancing Algorithm in Cloud Computing Environment	B1:25/09/2017		
		B3:25/09/2017		

	b. Online Quiz Application c. Deploy Online Game for word spelling and typing with help of Google App Engine				
12	<b>IEEE Transaction:</b> A Secure Cloud Computing Based Framework for Big Data Information Management of Smart Grid			<a href="http://ieeexplore.ieee.org/document/6905754/">http://ieeexplore.ieee.org/document/6905754/</a>	
<p>1. <b>Mini /Minor Projects Objective:</b> To get hands on experience to execute projects with respect to student choice in the following areas. <b>(30 Hrs / Semester / Student).</b>  <b>(Total 120 Hrs)</b></p> <p><b>The areas are :</b>                  1. Research    2. Core    3. Multidisciplinary    4. Application</p> <p><b>Major project :</b> As per University Scheme</p>					
Sr. No.	Project Title/Group Size	Class	Type / Project Hours	Modes of Learning	Reference
1.	Sound Pollution Monitoring System	SE	Application/ 2-3hr	TBL	
2.	E-learning using cloud Platform	TE	Application / 2-3hr	TBL	
No. of Practical	Completed	Planned	Completed	Planned	Completed
	Basic Exp: 04 Design Base Exp: 04 Group Learning: 02 Bridge Course: Minor Project: 3		No. of Assignments 03		
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>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>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>Entry for DOSLE (engaged on some other date) shall be done with proper mapping to DOSLNE.</li> </ol>					
Sd/-		Sd/-		Sd/-	
<b>Ms. Ratna Nayak</b> Name & Signature of Faculty Date:		<b>Dr. Rajesh Bansode</b> Signature of HOD Date:		<b>Dr. R.R. Sedamkar</b> Signature of Principal / Dean Academic Date:	