

TCET/FRM/IP-02/10	Revision: B
Semester Plan (Practical / Tutorials / Assignment)	
Semester: VII	Course: IT Batches: A1, A3
Subject: Cloud Computing	Class: B.E. Batch size: 20 Students
Laboratory faculty in charge: Ms. Shruti Mathur	Lab. Assistant /Attendant: Mr. R.Faujadar (202)
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.	Configuring windows hypervisor service	A1:20/07/2017		
		A3: 21/07/2017		
2.	Creating and running virtual machines on open source OS	A1:28/07/2017		
		A3:25/7/2017		
3.	Study and implementation of Infrastructure as a Service	A1:4/8/2017		
		A3:1/8/2017		
4.	Study and installation of Storage as Service	A1:11/8/2017		
		A3:8/8/2017		

Design/ Development Experiments:

5.	Configuring messaging service on Azure and configuration of Private cloud	A1: :18/8/2017		
		A3:5/9/2017		
6.	Implementation of Private Cloud Using Eucalyptus or Openstack	A1::1 /9/2017		
		A3:12/9/2017		
7.	Creating and deploy an application using Google Apps engine	A1: 8/9/2017		
		A3:19/9/2017		
8.	Creating a Warehouse Application in Salesforce.com's Force.com.	A1:: 15/9/2017		
		A3:26/9/2017		

Group Learning Activity:

9	Case study 1: Case study on mobile cloud computing	A1:22/9/2017		
		A3:16/9/2017		
10	Case Study 2: Amazon Web Services.	A1: 6/10/2017		
		A3:3/10/2017		
11	Mini Project a. Implement Round Robin Approach for VM Load Balancing Algorithm in Cloud Computing Environment	A1:13/10/2017		
		A3:3/10/2017		

	b. Online Quiz Application c. Deploy Online Game for word spelling and typing with help of Google App Engine						
12	IEEE Transaction: A Secure Cloud Computing Based Framework for Big Data Information Management of Smart Grid			http://ieeexplore.ieee.org/document/6905754/			
<p>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)</p> <p>The areas are :</p> <p style="text-align: center;">1. Research 2. Core 3. Multidisciplinary 4. Application</p> <p>Major project : 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	No. of Assignments	Planned	Completed	No. of Tutorial	Planned	Completed
	Basic Exp: 04 Design Base Exp: 04 Group Learning: 02 Bridge Course: Minor Project: 3		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>Note:</p> <p>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.</p> <p>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.</p> <p>3. Entry for DOSLE (engaged on some other date) shall be done with proper mapping to DOSLNE.</p>							
Sd/-		Sd/-		Sd/-			
Ms. Vandana Munde Name & Signature of Faculty Date:		Dr. Rajesh Bansode Signature of HOD Date:		Dr. R.R. Sedamkar Signature of Principal / Dean Academic Date:			