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:

Sr. No.	TITLES	Planned Date	Completion Date	Remarks
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:

Sr. No.	TITLES	Planned Date	Completion Date	Remarks
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/**

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

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	**Basic Exp:** 04 **Design Base Exp**: 04 **Group Learning:** 02 **Bridge Course: Minor Project: 3**	Completed	No. of Assign-ments	Planned 03	Completed	No. of Tutori-al	Planned --	Completed --

DOSLNE:	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.

 Sd/-   **Sd/-**   **Sd/-**

Ms. Vandana Munde   **Dr. Rajesh Bansode**   **Dr. R.R. Sedamkar**
Name & Signature of Faculty   Signature of HOD   Signature of Principal / Dean Academic
Date: Date: Date: