Name of Faculty	Ms. Mandeep Kaur
Discipline	MCA
Semester	5th Sem
Subject	Cloud Computing MCA-14-55(VI)
Lecture Plan Duration	12 weeks
Work Load	Lectures:04/week Tutorials: 01/week

Week	Theory		Practical	
	Lecture Day	Topic (Including assignment /test)	Practical Day	Topic
1		Cloud Computing: Definition, Roots of cloud		
		Characteristics, Cloud Architecture- Public, Private		
		Hybrid, Community		
		Advantages and disadvantages of Cloud computing		
2		Visrtualization: Benefits and drawbacks of Virtualization.		
		Virtualization Types- Operating system Virtualization, Platform Virtualization		
		Storage Virtualization, Network Virtualization		
		Application Virtualization, Virtualization Technologies		
3		Class Test/ Assignment/ Revision of Unit I		
		Cloud Services and Platforms: Computer services, Storage service		
		Database services, Application services,		
		Queing services		
4		, Email services		
		Notification services,		
		Media services		
		Content delivery services		
5		Analytical services,		
		Deployment and management services		
		Identity and access management services	ABLE	ABLE
		Case study of these services		

6		Federated and Multimedia cloud computing: Architecture,	NOT APPLIC	NOT APPLIC
		Features of federated types		
		Federation scenarion		
		layers enhancement of federation		
7		multimedia cloud		
		Class Test/ Assignment		
		Revision of Unit II		
		Python Intoduction, installation		
8		Data types: Numbers,		
		Lists, Tuples		
		Sets, Dictionaries, Files		
		Input/output statements, Control flow statements,		
9		Functions and Variables		
		Object oriented programming: state, Class,		
		Object, Relationship		
		Class Test/ Assignment		
10		Revision of Unit III		
		Python in cloud computing: Iterators and		
		generators		
		Functional Programming: Recursion,		
11		High Order Functions		
		Python for Google cloud platform and		
		Windows azure platform		
		Packages: JSON		
12		SMTPLib,		
		NUMPy		
		PICloud, Django		
		Class Test/ Assignment/ Revision		