

SCHEME OF COURSE WORK

Course Details:

Course Title	CLOUD COMPUTING		
Course Code	13CT1135	L T P C	:4 0 0 3
Program:	B.Tech.		
Specialization:	Information Technology		
Semester	VII		
Prerequisites	COMPUTER NETWORKS		
Courses to which it is a prerequisite	None		

Course Outcomes (COs):

1	Understand the fundamentals of Big Cloud.
2	Learn about cloud computing for the community.
3	Learn about cloud services.
4	Learn about cloud for the corporation.
5	To know about cloud architectures.

Course Outcome Versus Program Outcomes:

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO-1	M	M										
CO-2		M			S				M			
CO-3												
CO-4				M								
CO-5				M								

S - Strongly correlated, M - Moderately correlated, Blank - No correlation

Week	TOPIC / CONTENTS	Course Outcomes	Sample questions	Teaching Learning Strategy	Assessment method & Schedule
1	Unit-1 A MODEL OF VIRTUALIZATION: What Is Virtualization, Access Virtualization: Providing Universal Access	CO-1	1. Explain the term Visualization 2. What is Access Virtualization?	Lecture Demonstration	Mid Test-1
2	Application Virtualization: Application Isolation, Delivery and Performance	CO-1	1. Describe Application Isolation. 2. How does the cloud influence in delivery and performance.	Lecture Demonstration	Mid Test-1
3	Processing Virtualization: Doing System Tricks, Network Virtualization: Controlling the View of the Network	CO-1	1. What is processing virtualization? 2. Describe Controlling the view of the network.	Lecture Demonstration	Mid Test-1 Quiz-1 Assessment -1
4	Storage Virtualization: Where Are Your Files and Applications, Security for Virtual Environments: Guarding the Treasure?	CO-1	1. Explain about Storage Virtualization.	Lecture Demonstration	Mid Test-1 Quiz-1
5	Unit-2 Cloud Computing introduction, From, Collaboration to cloud , Working of cloud computing, Advantages and applications	CO-2	1. How do we collaborate to cloud? 2. List out the advantages and disadvantages of cloud computing.	Lecture Demonstration	Mid Test-1 Quiz-1
6	Pros and cons, benefits, developing cloud computing services, Cloud service development, discovering cloud services	CO-2	1. List out the pros and cons of cloud computing. 2. Discuss about cloud service development.	Lecture Demonstration	Mid Test-1 Quiz-1
7	CLOUD COMPUTING FOR EVERYONE: Cloud Computing for the Family, Centralizing Email Communications,	CO-2	1. How cloud computing can be used for everyone?	Lecture Demonstration	Mid Test-1 Quiz-1
8	Collaborating on Schedules, Collaborating on Grocery Lists, Collaborating on To-Do Lists	CO-2	1. Discuss collaborating on grocery and To do list.	Lecture Demonstration	Mid Test-1 Quiz-1
9	Collaborating on Household Budgets, Collaborating on Contact Lists, Collaborating on School Projects, Sharing Family Photos.	CO-2	1. Explain how collaboration can be achieved on school projects, Contact list and sharing family photos?	Lecture Demonstration	Mid Test-1 Quiz-1

10	Cloud Computing for the Community: Communicating Across the Community, Collaborating on Schedules, Collaborating on Group Projects and Events	CO-2	1. Discuss on Communicating across the community in cloud computing.	Lecture Demonstration	Mid Test-1 Quiz-1 Assessment-1
11	Mid Test-1	CO-1 & CO-2		Exam	Mid Test-1 Quiz-1 Assessment-1
12	UNIT-III: CLOUD COMPUTING FOR THE CORPORATION Managing Schedules, Managing Contact Lists, Managing Projects	CO-3	1. Explain about managing schedules and managing contact lists in cloud.	Lecture Demonstration	Mid Test-2 Quiz-2
13	Collaborating on Reports, Collaborating on Marketing Materials, Collaborating on Expense Reports, Collaborating on Budgets	CO-3	1. Discuss about Expense reports and collaborating on budgets.	Lecture Demonstration	Mid Test-2 Quiz-2
14	Collaborating on Financial Statements, Collaborating on Presentations, Presenting on the Road Accessing Documents on the Road	CO-3	1. Illustrate collaborating on financial statements in cloud computing for the corporation.	Lecture Demonstration	Mid Test-2 Quiz-2 Assessment-2
15	Unit-IV CLOUD SERVICES-COLLABORATING EVENTS: Collaborating on Calendars, Schedules, and Task Management , Collaborating on Event Management,	CO-4	1. Discuss about collaborating on event management.	Lecture Demonstration	Mid Test-2 Quiz-2
16	CLOUD SERVICES-collaborating database applications. Collaborating on Word Processing, Collaborating on Spreadsheets, Collaborating on Databases,	CO-4	1. Discuss Collaborating on Word Processing & Spreadsheets. 2. Discuss Collaborating applications & Databases.	Lecture Demonstration	Mid Test-2 Quiz-2
17	Collaborating on Presentations laborating on Contact Management, Collaborating on Project Management.	CO-4	1. Explain about contact management in cloud computing.	Lecture Demonstration	Mid Test-2 Quiz-2
18	Unit-V OUTSIDE THE CLOUD Evaluating web mail services, Evaluating instant messaging, Evaluating web conference tools	CO-5	1. Illustrate how the evaluation of web mail services are achieved outside the cloud. 2. Explain Evaluating messaging and web conference tools.	Lecture Demonstration	Mid Test-2 Quiz-2

19	Creating groups on social networks, Evaluating on line groupware, collaborating via blogs and wikis	CO-5	1. Discuss about creating groups on social networks and evaluating on line groupware.	Lecture Demonstration	Mid Test-2 Quiz-2 Assessment -2
	End Exams				