CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
Devang Patel Institute of Advance Technology & Research (DEPSTAR)
ACADEMIC YEAR: 2021-22

Subject Name: Cloud Computing   **Semester:** 7th
Subject Code: CE443   **Academic year:** 2021-22

Practical List

Sr No	Aim	Hrs.	CO
1	**Part A ::** - Introduction to CloudSim tool. -Introduce Installation steps of CloudSim on NetBeans. **Part B:** -Introduce the installation steps of CloudSim on Eclipse.	2	CO1
2	Understanding of basic CloudSim Examples. (1) Write a program in cloudsim using **NetBeans IDE** to create a datacenter with one host and run four cloudlet on it. (2) Write a program in cloudsim using **NetBeans IDE** to create a datacenter with three hosts and run three cloudlets on it. (3) Write a program in cloudsim using **NetBeans IDE** to create a five datacenters with five hosts and run cloudlets of five users on them.	4	CO1
3	Understanding Network Examples (Any 2 Examples) in cloudsim	2	CO1
4	Install a Cloud Analyst and Integrate with Eclipse/Netbeans. Monitor the performance of an Existing Algorithms. (Perform Load Balancing)	4	CO2
5	Choose any real time Cluster application and make analysis on that.	2	CO2
6	Choose any one real time Grid Application and analyze its applications.	2	CO2
7	Case study on GoogleApp Engine API for PaaS in cloud computing.	4	CO3

8	Exploring Sales Force.com for SaaS in cloud computing for Enterprise application	4	CO4
9	Perform following practical using Amazon: 1. Amazon instance (Demo Version) Exploring 2. Amazon storage using S3 bucket 3. website & application hosting using Amazon	4	CO4
10	Study on Container and perform an initial example on the use of container simulation.	2	CO5