

5MCAP1: CLOUD COMPUTING LAB

Total No. of Hours: 72

Hours/Week: 06

Use Eucalyptus or Open Nebula or equivalent to set up the cloud

Part – A	
1	Find procedure to run the virtual machine of different configuration. Check how many virtual machines can be utilized at particular time.
2	Find procedure to attach virtual block to the virtual machine and check whether it holds the data even after the release of the virtual machine.
3	Install a C compiler in the virtual machine and execute a sample program.
4	Configure Java compiler in the virtual machine and execute a sample program
5	Find procedure to install storage controller and interact with it.
6	Find procedure to set up the one node Hadoop cluster.
7	Mount the one node Hadoop cluster using FUSE.
8	Write a program to use the API's of Hadoop to interact with it.
9	Write a word count program to demonstrate the use of Map and Reduce tasks
Part - B	
10	<p>Case Study: Cloud Application Design – Cloud Service & Platforms</p> <ul style="list-style-type: none">a. Amazon –EC2b. Google Compute Enginec. Windows Azure VMd. Amazon – S3e. Google Cloud Storagef. Windows Azure Storageg. Amazon – RDSh. Amazon – DynamoDB

	i. Google Cloud SQL j. Windows- Azure SQL database And beyond (Choice Unlimited)
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Scheme of Evaluation

Criteria	Marks
Writing 2 programs (10 marks each)	20
Executing 2 programs	30
Extended/Debugging module	10
Viva	10
Total	70