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**Department of Computer Engineering**

**List of experiments**

Course: Cloud Computing Sem: VI (2024-25)

**Course Outcomes:**

| CO1 | Comprehend the issues related to cloud computing and its application |
| --- | --- |
| CO2 | Investigate the system virtualization and outline its role in enabling the cloud computing System model |
| CO3 | Analyse and apply cloud programming models to solve problems |
| CO4 | Build cloud services and applications |
| CO5 | Configure and experiment with advanced cloud technologies |

| **Sr. No.** | **TITLE** | **Week Number** | **CO Mapped** |
| --- | --- | --- | --- |
| 1 | Study of Cloud Computing & Architecture | 1 | CO1 |
| 2 | Virtualization in Cloud. (KVM, Virtual Box/VMWAre) | 2,3 | CO2 |
| 3 | Virtual Lab on VMware Hands on Lab | 4,5 | CO2 |
| 4 | Hosting website using Google Cloud Platform | 6 | CO4 |
| 5 | Creating a Virtual Machine on GCP using Google Cloud Skills Boost | 7 | CO4 |
| 6 | Microsoft Azure portal services, VM creation and management  using Microsoft Azure services | 8 | CO4 |
| 7 | Implementation of Containers and Dockers | 9,10 | CO5 |
| 8 | VM Creation using Amazon AWS | 11 | CO4 |
| 9 | Mini Project using any of the cloud tech. studied | 12,13 | CO1,CO2,CO3, CO4, CO5 |

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