



**ACPatil**  
College of Engineering

Jawahar Education Society's  
**A. C. Patil College of Engineering, Kharghar**  
Department of Artificial Intelligence & Data Science

**Academic Year 2023-24(Even Sem)**

## Experiment List

**Class: TE Comp(VI)**

**Course: SBL- Cloud Computing**

**Course Code:CSL605**

### Course Outcomes

Sr. No. of CO	CO Code	Course Outcomes
<b>CO1</b>	CSL605.1	Implement different types of virtualization techniques.
<b>CO2</b>	CSL605.2	Analyze various cloud computing service models and implement them to solve the given problems.
<b>CO3</b>	CSL605.3	Design and develop real world web applications and deploy them on commercial cloud(s).
<b>CO4</b>	CSL605.4	Explain major security issues in the cloud and mechanisms to address them.
<b>CO5</b>	CSL605.5	Explore various commercially available cloud services and recommend the appropriate one for the given application.
<b>CO6</b>	CSL605.6	Implement the concept of containerization

Sr. No	Title of the Experiment	Mapped CO
1.	Introduction and overview of cloud computing.	CO2
2.	To study and implement Hosted Virtualization using VirtualBox & KVM.	CO1
3.	To study and Implement Infrastructure as a Service using AWS	CO5
4.	To study and Implement Platform as a Service using AWS Elastic Beanstalk Service.	CO5
5.	To study and Implement Storage as a Service using OwnCloud / AWS S3	CO5
6.	To study andImplement Database as a Service on SQL/NOSQL databases like AWS RDS	CO5
7.	To study andImplement Security as a Service on AWS	CO4, CO5
8.	To study and implement Identity and Access Management (IAM) practices on AWS	CO4,CO5
9.	To study and Implement Containerization using Docker	CO6
10.	To study and implement container orchestration using Kubernetes	CO6
11.	Mini-project: Design a Web Application hosted on public cloud platform	ALL CO

**Prof. Shital A. Patil**  
Subject I/Cs

**Prof. S. P. Bansu**  
Head of the Department