



SARASWATI Education Society's
SARASWATI College of Engineering

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Kharghar, Navi Mumbai - 410 210.

NAAC Accredited

Department of Computer Engineering

Name: Shaikh Adnan Shaukat Ali

Roll No: 76

Subject Name: Cloud computing Lab (CCL)

Class/Sem: T.E. / SEM-VI

Year: 2021-2022



COMPUTER ENGINEERING DEPARTMENT

Subject: Cloud Computing Lab

Class/Sem: TE/VI

Name of the Laboratory: SDC LAB

Year: 2021-2022

LIST OF EXPERIMENTS

Expt. No.	Date	Name of the Experiment	Page No.
1	24/01/2022	Study of Cloud Computing and it's Architecture.	3-17
2	02/02/2022	To study and implement Hosted Virtualization using VirtualBox and KVM.	18-25
3	08/02/2022	To study and Implement Bare-metal Virtualization using Xen, HyperV or VMware Esxi.	26-36
4	15/02/2022	To study and implement Infrastructure as a Service using AWS / Microsoft Azure.	37-42
5	22/02/2022	To study and implement Platform as a Service using AWS Elastic Beanstalk / Microsoft Azure App Service.	43-49
6	02/03/2022	To implement Storage as a Service using S3 and S3 Glacier.	50-58
7	16/03/2022	To study and Implement Database as a Service on SQL/NOSQL databases like AWS RDS, AZURE SQL/ MongoDB Lab/ Firebase.	59-68
8	24/03/2022	To study and Implement Security as a Service on AWS/Azure.	67-82
9	07/04/2022	To study and implement Identity and Access Management (IAM) practices on AWS/Azure cloud	83-86
10	12/04/2022	To study and implement Containerization using Docker.	87-96
1	25/01/2022	Assignment No. 1	97-100
2	15/03/2022	Assignment No. 2	101-105

H/W Requirement	P I and above, RAM 128MB, Printer, Cartridges.
S/W Requirement	VirtualBox Machine, Ubuntu, AWS/Azure account, Docker.

Dr.
Subject In-charge

Prof. Sujata Bhairnallykar
HOD