# CLOUD COMPUTING PRACTICAL FILE

SE 414

BACHELOR OF TECHNOLOGY
IN
**SOFTWARE ENGINEERING**

Submitted by:
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**(2K21/EC/12)**

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| S. No. | Name of Experiment | Teacher's Sign | Date |
|---|---|---|---|
| 1 | Install VirtualBox/VMware Workstation with different flavours of Linux or Windows OS | | |
| 2 | Install a C compiler in the virtual machine and execute simple programs | | |
| 3 | Install Google App Engine and create Hello World app using Python/Java | | |
| 4 | Use GAE launcher to launch web applications | | |
| 5 | Simulate a cloud scenario using CloudSim and run a new scheduling algorithm | | |
| 6 | Transfer files from one virtual machine to another virtual machine | | |
| 7 | Launch a virtual machine using TryStack (Online OpenStack demo version) | | |
| 8 | Install Hadoop single-node cluster and run simple applications like WordCount | | |
| 9 | Creating a Virtual Machine (VM) on AWS/Azure/GCP | | |
| 10 | Using Cloud Storage (S3, Blob Storage, Google Cloud Storage) | | |
| 11 | Deploying a Web Application on Cloud | | |
| 12 | Infrastructure as a Service (IAAS) Experiment | | |
| 13 | Platform as a Service (PAAS) Experiment | | |
| 14 | Software as a Service (SAAS) Experiment | | |
| 15 | Containerization and Kubernetes | | |
| 16 | Serverless Computing | | |
| 17 | Cloud Security and IAM | | |
| 18 | Monitoring and Logging in the Cloud | | |