

CLOUD COMPUTING LAB

Lab 1

21-01-2026

CLOUD COMPUTING TERMINOLOGIES

1. Cloud computing – Definition
 2. Characteristics of Cloud computing
 3. Cloud deployment types with example providers
 4. Infrastructure as a Service (IaaS) with example providers
 5. Platform as a Service (PaaS) with example providers
 6. Software as a Service (SaaS) with example providers
 7. List FIVE _aaS and XaaS with example
 8. Cluster Computing
 9. Distributed computing
 10. Peer-to-Peer Computing
 11. Grid Computing
 12. Serverless Computing
 13. Service-oriented architecture and Web 2.0
 14. Dynamic provisioning
 15. Horizontal & Vertical Scaling
 16. Virtualization
 17. Virtual Machine (VM)
 18. CPU & Memory Virtualization
 19. Hypervisor (VMM) – Definition and example tools
 20. VirtualBox – what and purpose
 21. VMWare Vsphere/ESXi – what and purpose
 22. VM Live Migration
 23. Openstack – what and purpose
 24. Dockers
 25. Kubernetes
 26. Cloud Service Level Agreement (SLA)
 27. Cloud Tools: Ansible and Jenkins
 28. Map-reduce programming model
 29. Compare any top three Cloud Providers (any 5 parameters)
 30. Detail any 6 cloud services/tools provided by GCP.
- At least one reference/website/blog for each term.