



Google Cloud

Contact for Query/Whatsapp - +91-9911144051 /59
Website: www.airoman.in

Google Cloud: Associate Cloud Engineer

Prerequisite – NETWORKING FUNDAMENTAL AND MCP

Course Contents:

Module 1: Introduction to Google Cloud Platform

- 1. Google Cloud Platform (GCP) Infrastructure
- 2. Using GCP
- Lab: Console and Cloud Shell
- 3. Demo: Projects
- Lab: Infrastructure Preview

Module 2: Virtual Networks

- 1. Virtual Private Cloud (VPC), Projects, Networks, Subnetworks, IP addresses, Routes, Firewall rules
- 2. Subnetworks for resource management instead of physical network topology
- Lab: Virtual Networking
- Lab: Bastion Host

Module 3 Virtual Machines

- 3. Compute options (vCPU and Memory)
- 4. Images
- 5. Common Compute Engine actions
- Lab: Working with Virtual Machines

Module 4: Cloud IAM

- 1. Organisations, Roles, Members, Service accounts, Cloud IAM best practices
- 2. Lab: Cloud IAM

Module 5: Data Storage Services

- 1. Cloud Storage
- Lab: Cloud Storage
- 2. Cloud SQL
- Lab: Cloud SQL
- 3. Cloud Spanner, Cloud Datastore
- Lab: Cloud Datastore
- 4. Cloud Bigtable

Module 6: Resource Management

- 1. Cloud Resource Manager, Quotas, Labels, Names, Billing Demo: Billing Administration
✓ Certificate provided ✓ Recordings Provided ✓ In Hindi/Urdu ✓ Expert Trainers
- Lab: Examining Billing Data with BigQuery

Module 7: Resource Monitoring

- 1. Stackdriver, Monitoring
- 2. Logging, Error Reporting, Tracing, Debugging

Module 8: Interconnecting Networks

Module 9: Load Balancing

- a. Managed Instance Groups, HTTPS load balancing, Cross-region and content-based load balancing, Network load balancing

Module 10: Autoscaling

- a. Autoscaling, Policies, Configuration
- Lab: Autoscaling

Module 11: Infrastructure Automation with Deployment Manager

- Deployment Manager, Configuration, Cloud Launcher
- Lab: Deployment Manager

Module 12: Managed Services

- Cloud Dataproc, Cloud Dataflow, BigQuery, Cloud Datalab
- Elastic Cloud Infrastructure: Containers and Services

Module 13: Containers

- Containers, Kubernetes Engine, Container Registry
- Kubernetes Engine, App Engine, or Containers on Compute Engine

E-MAIL: INFO@AIROMAN.IN

VISIT US: WWW.AIROMAN.IN

WWW.FACEBOOK.COM/AIROMAN.DEL@GMAIL.COM

OUR LOCATIONS

JANAKPURI

M-10, Gali No. 3, Right Side Corner, Janak Puri

East metro station Gate 1, New Delhi-110018