# GCP Google Cloud

# Course Overview:

dridhOn Google Cloud Platform GCP training with Cloud Computing of Google is industry-designed to help you become a certified Google Cloud expert. You will learn about the key concepts of Google Cloud Platform (GCP) core infrastructure services and managing GCP services like storage, compute, database, networking, identity, and access management, security services, and the key guidelines for implementing GCP as part of the GCP certification training, as well as hands-on projects and case studies to ensure that you are Industry ready upon completion of the course.

# Training Features:

- 8X higher interaction in live online classes conducted by industry experts
- 48 Hrs. live Classes of Google Cloud with Interview Preparation
- 3 real-time industry projects with hands-on preparation
- Unlimited Interview Opportunities with Placement Support
- Industry-recognized course completion certificate

# Delivery Mode:

- Online Live Virtual Instructor Led Training

# Target Audiance:

- The Basic Requirement to start a career as a GCP Architect Developer, you'll need a Bachelor's degree or at least 1+ years of experience in Information Technology (IT). A Bachelor's degree in Technology justice will help you get the job.

# Key Learning Outcomes:

- AI & Machine Learning.
- API Management.
- Application Development.
- Cloud Migration.
- Cloud Operations.
- Containers & Kubernetes.
- DevOps & SRE.
- Hybrid & Multicloud.

# Certification Details:

- Complete at least 85 percent of the course or attend one complete batch
- Successful completion and evaluation of the project

dridhOn

Google Cloud Platform (GCP) Course Outline:

## Module 01 - Introduction to Google Cloud

- 1.1 Understanding the fundamentals of Google Cloud Platform
- 1.2 The Google Global infrastructure
- 1.3 Products for storage, compute, networking, Machine Learning, and more
- 1.4 Availability zones
- 1.5 Different projects running on the GCP infrastructure, including Google projects

## Module 02 - Google Cloud Services

- 2.1 Introduction to Google Cloud services
- 2.2 Managing Google services using command-line tools, app, and console
- 2.3 Installing and configuring SDK
- 2.4 Deploying Cloud Shell for GCP environment management
- 2.5 Deploying Gsutil

## Module 03 - Google Computing Services

- 3.1 Understanding Google computing services
- 3.2 Creating and managing virtual machines in Google Cloud
- 3.3 Launching VMs on-demand using Google Compute Engine
- 3.4 Choosing the right computing solutions based on the workload like memory or CPU
- 3.5 Important actions with Compute Engine
- 3.6 Balancing the load

## Module 04 - Google Storage Services

- 4.1 Various storage services offered with Google Cloud
- 4.2 The process of storing and retrieving data
- 4.3 Rich content management
- 4.4 Hosting a website
- 4.5 Choosing the right storage options
- 4.6 Integrating on-premises with the cloud storage environment
- 4.7 Nearline and Coldline storage
- 4.8 Cloud Datastore

## Module 05 - Google Cloud APIs

- 5.1 Deploying Google Cloud for developing applications and for debugging and monitoring purposes
- 5.2 Choosing the right data storage for application data
- 5.3 Automating infrastructure
- 5.4 Managing the API
- 5.5 Cloud source
- 5.6 Functions and special APIs
- 5.7 Implementing and configuring Cloud Launcher and Deployment Manager
- 5.8 Application deployment using Cloud Engine

## Module 06 - Google Networking Services

- 6.1 Introduction to Google networking
- 6.2 Setting up the Google network
- 6.3 Connecting various Google Cloud Platform resources
- 6.4 Isolation using firewalls and network policies
- 6.5 Creating and managing of Virtual Private Network
- 6.6 Working with cloud routers and interconnecting networks

## Module 07 - IAM & Security Services

- 7.1 Different security and identity and access management (IAM) services
- 7.2 Various roles in IAM
- 7.3 Creating and managing Google resources permissions
- 7.4 IAM APIs
- 7.5 The creation of custom roles
- 7.6 Sharing resources and isolation
- 7.7 Deploying penetration testing, auditing, and security controls

## Module 08 - Migrating to Google Cloud

- 8.1 Understanding how to migrate to Google Cloud
- 8.2 Various criteria to be considered
- 8.3 Choosing the right options as per the specific needs
- 8.4 Managing a hybrid cloud model
- 8.5 Complete migration from the on-premises model to the cloud
- 8.6 Choosing an automation framework for resource provisioning