**Google Cloud for Beginners**

**Title: Google Cloud for Beginners**

**Duration:** 1 day

**Pre-requisite:** Basic Understanding of Computers

**Short Description:**

**Long Description:**

This course is a great introduction to the basics of Google Cloud Platform, including how it’s designed and the various services available. We will discuss each service in GCP and how it connects to the others.

We will get started with GCP using Cloud Launcher. We will begin with a focus on Compute, Storage and Networking. We will then cover Big Data and IoT before delving into how GCP provides for Machine Learning and AI in the cloud.

**Learning Objectives:**

After this course, you will be able to:

* Understand the basics of GCP
* Identify the 4 main services: Compute, Storage, Big Data and Machine Learning
* Understand what’s unique about Google’s approach
* Setup a GCP project using Cloud Launcher
* Understand Compute Engine and how you can run a virtual machine in the cloud
* Understand how GCP enables various ways to store data in the cloud
* Understand how to develop and deploy applications in GCP
* Understand the various Big Data offerings in GCP
* Understand the Machine Learning and AI services offered by GCP and their usefulness

**Topic Outline:**

* Course Introduction
* Overview of GCP
* GCP design and structure
* Milestone 1: Get started with Cloud Launcher
* GCP Services
  + Compute Engine
  + Storage in the Cloud
  + Networking
  + App Engine
  + Big Data
  + Machine Learning
* Milestone 2: Machine Learning and AI in the cloud
* Next steps

**Structured Activity/Exercises/Case Studies:**

* Milestone Project 1: Get started with Cloud Launcher
* Milestone Project 2: Machine Learning and AI in the cloud

**Training material provided:** Yes (Digital format)