

## **Google Cloud Computing Foundation Program**

The Google Cloud Computing Foundations Program aims to provide students to develop technical proficiency or experience in cloud computing, a detailed overview of concepts covering cloud basics, big data, and machine learning and where and how the Google Cloud Platform fits in. The course involves understanding concepts and perform hands-on training (via Qwiklabs platform) to practice the learning.

### **Objectives**

- Discuss what the cloud is and why it's a technological and business game changer.
- Describe the different ways a user can interact with Google Cloud.
- Discover the different compute options in Google Cloud.
- Implement a variety of structured and unstructured storage models.
- Discuss the different application managed service options in the cloud.
- Outline how security in the cloud is administered in Google Cloud.
- Demonstrate how to build secure networks in the cloud.
- Identify cloud automation and management tools.
- Discover a variety of managed big data services in the cloud.
- Explain what machine learning is, the terminology used, and its value proposition.

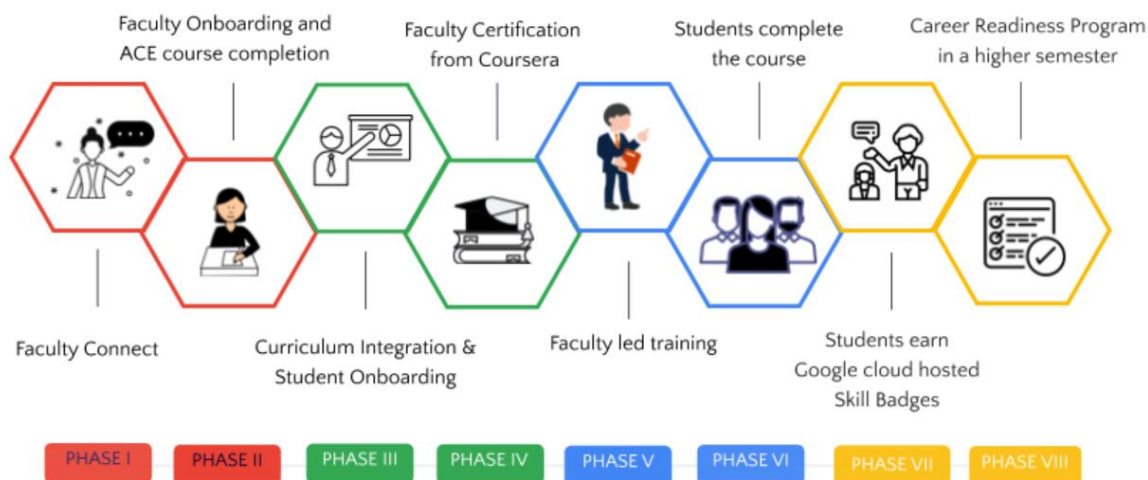
**Duration:** 40 hours

**Delivery mode:** Faculty-led

### **Recommended Prerequisites**

Before attending this course, you should:

- Have basic IT knowledge and be interested in learning more about the cloud and ML.
- Have competency in at least one language (such as Python, Java).
- Be familiar with the basics of shell scripting, SQL.



**Fig 1: Program Roadmap**

Following faculty members are on boarding by Google for Google Cloud Computing Foundations Program:

S.No	Name of faculty	Department
1.	Dr. Vijeta Kumawat	CSE
2.	Mr. Abhishek Jain	CSE
3.	Mr. Pradeep Sharma	CSE
4.	Ms. Girija Lavania	CSE
5.	Ms. Sweety Singhal	CSE
6.	Ms. Preeti Sharma	IT
7.	Mr. Brijesh Kumar	IT
8.	Ms. Suniti Chouhan	CSE
9.	Ms. Tanya Shruti	CSE
10.	Ms. Neha Solanki	CSE
11.	Ms. Deepika Bansal	IT
12.	Ms. Shikha Srivastava	IT