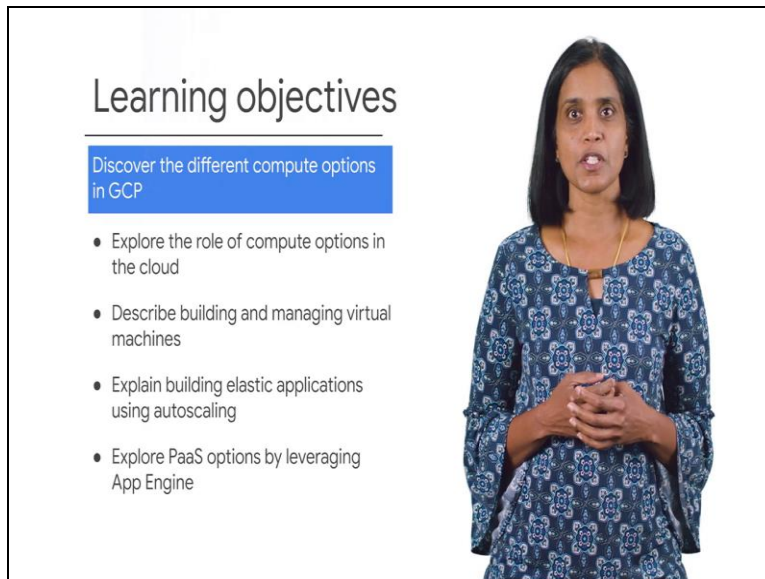**Google Cloud Computing Foundation Course**
Sowmya Kannan
Google Cloud

Lecture-17
Module introduction

Hi I am Sowmya welcome to the module used GCP to build your apps. In this module you will focus on leveraging GCP resources and server less managed services to build applications. So, far in this course you have learned what GCP is and why you should have a solid platform before beginning a GCP transfer. Now in this module you will learn how to build apps directly in GCP.

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The main objective of this module is to discover the different compute options in GCP. To achieve this goal you will need to meet the following learning objectives. Explore the role of compute options in the cloud. Describe how to build and manage virtual machines, explain how to build elastic applications using auto scaling. And explore platform as-a-service options by leveraging app engine.

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You will also be able to discuss how to build event-driven services utilizing cloud functions. And explain how to containerize and orchestrate applications with Google Kubernetes engine also refer to as GKE.

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This agenda shows the topics that make up this module. You will start by learning about compute options in the cloud. You will then move on to finding out how to build and deploy apps using compute engine and how to create a virtual machine by completing a hands-on lab. You will then discover how to configure elastic apps with auto scaling and explore how App Engine can run your applications without having you manage the infrastructure.

The second lab of the module will allow you to create a small App Engine application that displays a short message. You will then move on to finding out about event river programs with loud functions before completing another lab where you will create deploy and test a cloud function using the Google cloud shell command line. You will finish the module learning about container rising and orchestrating apps with Google Kubernetes engine before ending with a short quiz and a recap of the key learning points from module.