Developing Applications with Google Cloud

COURSE OVERVIEW

In this course, application developers learn how to design, develop, and deploy applications that seamlessly integrate components from the Google Cloud ecosystem. Through a combination of presentations, demos, and hands-on labs, participants learn how to use GCP services and pre-trained machine learning APIs to build secure, scalable, and intelligent cloud-native applications.

WHO SHOULD ATTEND?

The course benefits application developers, software engineers, cloud engineers, DevOps professionals, and technical leads who are involved in designing, building, and deploying applications on Google Cloud. It is also valuable for IT professionals transitioning to cloud-native development, as well as anyone seeking to enhance their skills in modern application development using Google Cloud services and tools.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Use best practices for application development.
- Choose the appropriate data storage option for application data.
- Implement federated identity management.
- Develop loosely coupled application components or microservices.
- Integrate application components and data sources.
- Debug, trace, and monitor applications.
- Perform repeatable deployments with containers and deployment services.
- Choose the appropriate application runtime environment; use Google Container Engine as a runtime environment and later switch to a no-ops solution with Google App Engine Flex.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Google Cloud architecture.
- Cloud-native application design.
- App Engine and Cloud Functions.
- Cloud Run and Kubernetes.
- Cloud Storage and Databases.
- CI/CD pipelines on GCP.
- Identity and access management.
- Monitoring and debugging.
- API integration.
- Hands-on labs and projects.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.
1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded