GTC Transforming Emerging Economies
GTC Training Consulting Group Ltd,
22 Kumasi Crescent,
Off Aminu Kano Crescent,
Wuse 2, Abuja.
Tel: +234(0) 9056761232
Email:enquiries@thegtcgroup.com
Web:www.thegtcgroup.com

Cloud Computing, Data Analytics & Edge Computing

COURSE OVERVIEW

This course provides a detailed introduction to cloud computing, data analytics, and edge computing, emphasizing their integration to support modern industrial and enterprise environments. The curriculum explores cloud service models, big data analytics, IoT data management, and practical deployment strategies for distributed computing architectures that optimize performance, security, and operational efficiency. Participants will learn core cloud concepts, scalable data processing techniques, and the role of edge computing in reducing latency while enhancing real-time decision-making.

WHO SHOULD ATTEND?

The course is designed for IT professionals, data analysts, cloud engineers, system architects, and industrial automation specialists who aim to leverage cloud and edge technologies for data-driven insights and operational improvements. It is also relevant for developers, engineers, and managers involved in digital transformation initiatives or working with IoT-enabled systems.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand cloud computing models (IaaS, PaaS, SaaS) and service deployment strategies.
- Apply big data analytics techniques to derive actionable insights from industrial and enterprise data.
- Design and deploy edge computing solutions to support low-latency, real-time processing needs.
- Integrate cloud platforms with IoT and industrial control systems for scalable data collection and management.
- Implement secure cloud and edge infrastructure with robust data governance.
- Optimize data workflows to balance processing between cloud and edge environments effectively.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Fundamentals of cloud computing architecture and deployment models.
- Big data analytics frameworks and tools for data processing and visualization.
- Edge computing concepts and hardware for decentralized processing.
- Integration strategies for IoT data with cloud and edge platforms.
- Security and compliance considerations in cloud and edge deployments.
- Using cases demonstrating enhanced operational efficiency and decision-making through combined cloud, data analytics, and edge computing solutions.

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

BAC BRITISH ACCREDITATION COUNCIL
Dual Accreditation DUAL PROVIDER: PDC/D1013 2018 - 2020
Project Management Institute Registered Education Provider
ilm A City & Guilds Group Business
ISO 9001:2015
CIPR CHARTERED INSTITUTE OF PUBLIC RELATIONS