



GCP ADMINISTRATOR COURSE

**MASTERCLASS || JOB ORIENTED ||
REAL-TIME PROJECT**

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Welcome to the Future of Data Management!



OUR SERVICES

- 01 Tailored Solutions, Every Time
- 02 Continuous Learning, Continuous Improvement
- 03 Hands-on Learning with Industry Tools
- 04 Real-world Project Simulations
- 05 Career Guidance and Networking Opportunities

VISIT OUR WEBSITE
FOR FULL LIST
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WHAT YOU CAN EXPECT

- 01 Cutting-edge Curriculum
- 02 Flexible Learning Options
- 03 Collaborative Learning Environment
- 04 Ongoing Career Assistance
- 05 Certification and Recognition

BOOK A SEAT

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Elevate Your Skills, Ignite Your Career

Are you ready to embark on a journey of knowledge and innovation? Welcome to our **GCP Administrator Training Program**, where learning meets limitless possibilities.



HAVE AN ENQUIRY? ↙

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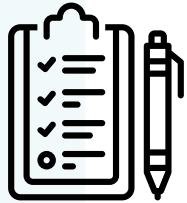
About the Program

Immerse yourself in cloud administration excellence with our GCP Administrator course. Tailored for IT professionals, this program provides hands-on training led by expert instructors.

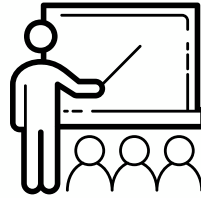
Participants will master essential skills including virtual machine deployment, network optimization through Virtual Private Cloud (VPC), and robust security implementation via Identity and Access Management (IAM) policies.

The course prepares for the Google Cloud Professional Cloud Administrator certification, equipping participants with industry-recognized credentials and expertise to excel in intricate cloud environments.

Key Features



Industry Relevant Curriculum



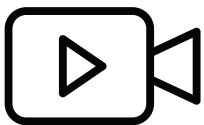
Limited class size for an optimal experience



Constantly Updated According to Industry Trends



50+ hands-on assignments and 2 capstone



Life-time Access to the recorded sessions

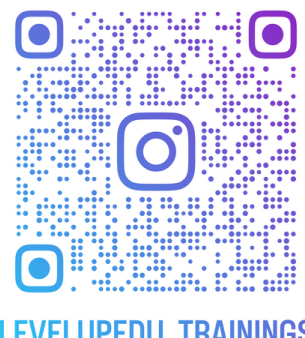


1:1 mock interview Sessions



Career Guidance & Placement Support

Get in Touch With Us



LEVELUPEDU_TRAININGS

MODULE 1: INTRODUCTION TO GOOGLE CLOUD PLATFORM

- Overview of Cloud Computing and GCP
- Understanding GCP's Infrastructure and Services
- Creating a GCP Account and Project
- Billing and Cost Management in GCP
- Access and Identity Management (IAM) in GCP
- Introduction to GCP Command Line and Console
- Hands-on Lab: Setting Up a GCP Environment

MODULE 2: COMPUTE ENGINE AND VIRTUAL MACHINES

- Introduction to Compute Engine
- Creating and Managing Virtual Machines
- Customizing VMs and Images
- Autoscaling and Load Balancing
- Managing Snapshots and Images
- Best Practices for VM Security
- Hands-on Lab: Deploying Virtual Machines in GCP

MODULE 3: NETWORKING IN GCP

- VPC (Virtual Private Cloud) Setup and Configuration
- Subnetting and IP Addressing in GCP
- Network Peering and Routing
- Cloud DNS and Load Balancing

- Cloud CDN and Interconnects
- Network Security Policies and Firewall Rules
- Hands-on Lab: Setting Up a VPC Network

MODULE 4: STORAGE AND DATABASES

- Overview of GCP Storage Options (Cloud Storage, Persistent Disk, etc.)
- Creating and Managing Buckets in Cloud Storage
- Cloud SQL for Relational Databases
- NoSQL Databases with Cloud Firestore and Datastore
- Bigtable for Scalable and NoSQL Workloads
- Data Transfer and Synchronization
- Hands-on Lab: Configuring and Managing Storage Solutions

MODULE 5: MONITORING, LOGGING, AND DEBUGGING

- Stackdriver Overview for Monitoring and Logging
- Setting Up Stackdriver Monitoring and Alerting
- Logging and Analyzing Application Data
- Debugging Applications with Stackdriver Debugger
- Profiling and Tracing with Stackdriver
- Resource and Cost Monitoring
- Hands-on Lab: Monitoring and Debugging Applications in GCP

MODULE 6: SECURITY AND COMPLIANCE

- Identity and Access Management (IAM) Best Practices
- Data Encryption and Security Policies
- Network Security (Firewalls, VPNs, etc.)
- Compliance Standards (GDPR, HIPAA, etc.)
- Security Threats and Detection
- Disaster Recovery and Backup Strategies
- Hands-on Lab: Implementing Security Measures in GCP

MODULE 7: MANAGING APPLICATIONS AND DEPLOYMENT

- App Engine for Application Deployment
- Cloud Functions for Serverless Computing
- Deployment Strategies (Blue-Green, Canary, etc.)
- Managing Versions and Traffic Splitting
- Continuous Deployment and Integration
- Resource Scaling and Optimization
- Hands-on Lab: Deploying and Managing Applications in GCP

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CAPSTONE PROJECTS

E-COMMERCE RECOMMENDATION SYSTEM

Develop a recommendation system for an e-commerce platform that suggests products to users based on their browsing history, purchase behavior, and preferences. Implement collaborative filtering, content-based filtering, and hybrid approaches to enhance the accuracy of recommendations.

INDUSTRY RELEVANCE

E-commerce Industry: Personalized product recommendations improve user experience, increase customer engagement, and boost sales. Companies like Amazon, eBay, and Netflix heavily rely on recommendation systems.

CAPSTONE PROJECTS

PREDICTIVE MAINTENANCE FOR MANUFACTURING

Build a predictive maintenance system for a manufacturing plant using machine learning algorithms. Analyze sensor data to predict when equipment is likely to fail, allowing for timely maintenance to reduce downtime and prevent costly breakdowns.

INDUSTRY RELEVANCE

Manufacturing Industry: Predictive maintenance is crucial for optimizing operations and minimizing downtime. It helps in reducing maintenance costs and improving overall equipment effectiveness (OEE).

CAPSTONE PROJECTS

HEALTHCARE DATA ANALYTICS AND PATIENT MANAGEMENT

Create a healthcare analytics platform that aggregates patient data from electronic health records (EHRs), wearable devices, and other sources. Develop features for monitoring patient health trends, scheduling appointments, and providing personalized health recommendations.

INDUSTRY RELEVANCE

Healthcare Industry: Data-driven insights and patient management systems improve patient outcomes, streamline operations, and enhance the quality of care. With the growing use of digital health solutions, such platforms are becoming increasingly relevant.

**CERTIFICATIONS YOU CAN
PURSUE AFTER
COMPLETING THE COURSE**

**GCP Administrator
Certification**

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Eligibility Criteria



- Bachelor's degree in any field
- Familiarity with database concepts and SQL & Python
- Basic understanding of Admin tools.
- Working Professionals >1yrs
- Optional: Prior experience in Admin or related fields.
- Basic computer literacy and operating system knowledge.

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Certification



CERTIFICATE OF COMPLETION

This Certificate is proudly awarded to



For their successful completion of course _____
at LevelUp Cloud Solutions Pvt Ltd in the month of _____ year _____.

We are confident that he/her has acquired the skills and knowledge needed to succeed as
a _____. We wish him/her all the best in their future endeavours.

SATEESH PABBATHI
Founder

Industry Recognised Certification

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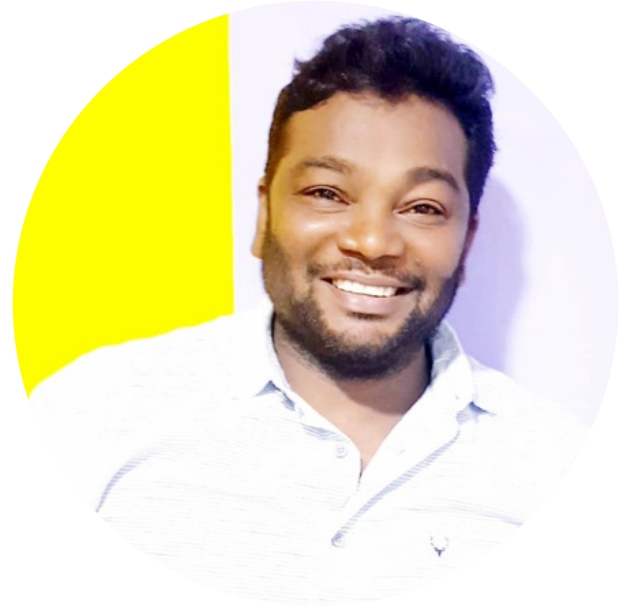
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Trainer Profile

Sateesh Pabbathi

Author & Cloud Expert

 LinkedIn Profile



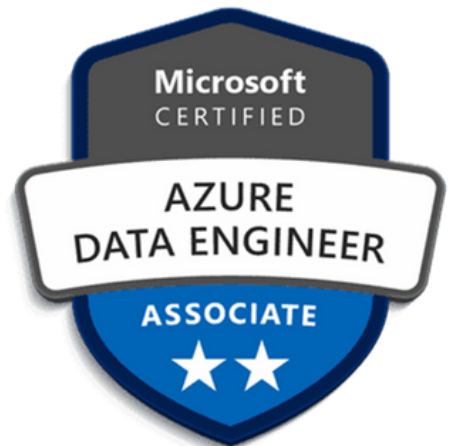
With over two decades of industry experience, he stands as a seasoned expert in the realm of cloud computing. Holding certifications as a Microsoft Certified Trainer, AWS Certified Data and DevOps Engineer, GCP Certified Architect, Kubernetes Certified Administrator and more, his expertise is both broad and deep.

Among his notable achievements is the curation and design of courses for prominent Ed-Tech platforms like Upgrad, Simplilearn and more. Through these endeavors, he has successfully trained a substantial cohort of over 4000 students in the dynamic domain of Cloud Computing, arming them with the skills and knowledge necessary for thriving in this rapidly evolving landscape.

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Trainer Profile - Certifications



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✓ **14,000/-***



*GST APPLICABLE

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