



CERTIFIED GCP

PROGRAM BROCHURE



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WHY VIRAJETECH?

“OUR VISION”

To be the safest, most progressive Technology Provider, relentless in the pursuit of Client and employee excellence

Virajetech's Placement Team has garnered a reputation for the industry's most exceptional placement records. Their dedicated efforts have facilitated the successful transition of thousands of aspirants into flourishing careers .



EXPERT TRAINERS

10+year experienced and

Industry Experts

Elite Faculty from Prestigious universities with deep research and coaching expertise



COMPREHENSIVE

30 hours & 700+ Learning Hrs.

Syllabus aligned with virajetech standards and rigorously updated to match with latest industry requirements

JOB ASSISTANCE

End to End job Support

Personalized resume and interview preparation support Job updates and connects

REALTIME EXPERIENCE
Projects and Internships
20 capstone projects and 1 client projects with active interaction
Internship -developing POCs

PROGRAM STRUCTURE

- THE COURSE FOR BEGINNERS PROFESSIONALS AND INTERMEDIATE LEARNERS IN THE FIELD OF
- AWS THIS IS A CAREER-ORIENTED PROGRAM, DESIGNED TO IMPART A STRONG FOUNDATION



- PRE COURSE SELF-STUDY
- HIGH QUALITY VIDEOS
- EASY LEARNING APPROACH.
- CERTIFICATIONS
- JOB READY PROGRAM



- LIVE TRAINING
- 30 HOUR A WEEK
- COMPREHENSIVE SYLLABUS
- HANDS-ON PROJECTS
- EXPERT TRAINERS AND MENTORS

Google Cloud Platform Professional Kubernetes



WHY GCP?



GCP courses are essential in the IT industry, providing professionals with crucial skills to harness Google Cloud Platform's (GCP) robust cloud computing services. In the rapidly evolving IT landscape, businesses increasingly rely on cloud solutions for improved scalability and efficiency. GCP courses cover diverse topics, including IaaS, PaaS, and SaaS, empowering IT professionals to adeptly implement cloud-based solutions. The inclusion of data analytics, machine learning, and AI tools further enhances the relevance of these courses in meeting the industry's demand for advanced technologies. As organizations continue to migrate to the cloud, GCP-certified professionals are highly sought after, making these courses instrumental in shaping successful IT careers.



1. Introduction to GCP Kubernetes Professional Certification

- *Overview of the GCP Professional Kubernetes certification*
- *Importance of Kubernetes in modern cloud-native applications*
- *Key concepts and terminologies in Kubernetes*
- *Role of Kubernetes in container orchestration*
- *Overview of GCP's Kubernetes services*
- *Significance of GCP in Kubernetes deployments*
- *Real-world use cases of GCP Kubernetes solutions*
- *Exam format and preparation strategies*
- *Resources and documentation for GCP Kubernetes certification*
- *Career opportunities with GCP Kubernetes Professional Certification*

2. Introduction to Containers and Kubernetes

- *Containers*
- *Container images*
- *Working with Cloud Build*
- *Architecting with Google Kubernetes Engine*
- *Kubernetes*
- *In the Beginning was the Server*
- *Containers to the Rescue*
- *Google Kubernetes Engine*

3. Kubernetes Architecture

- *Kubernetes concepts*
- *Kubernetes components*
- *GKE Autopilot and GKE standard*
- *Object management*
- *Deploying GKE Autopilot Clusters*

4. GCP Hybrid Connectivity Solutions

- *The kubectl command*
- *Introspection*
- *Deploying GKE Autopilot Clusters from Cloud Shell*

5. Deploying Applications

- *Pod Reliability with Health Checks*
- *Accessing External Services*

- *Maintaining a Service with Unhealthy Pods*
- *Volumes and Persistent Storage*
- *ConfigMaps and Secrets*
- *Deployment Patterns*
- *Autoscaling all the Things*

6.Kubernetes Fundamentals on GCP

- *Deploying and managing containers in Kubernetes*
- *Kubernetes components and their roles*
- *Understanding Pods, Replication Controllers, and Services*
- *ConfigMaps and Secrets for configuration management*
- *Persistent Volumes and Persistent Volume Claims*
- *Deploying applications with Deployments and StatefulSets*
- *Configuring and managing networking in Kubernetes*
- *Kubernetes security best practices*
- *Real-world use cases of Kubernetes fundamentals on GCP*

7.GCP Kubernetes Cluster Management

- *Using Google Kubernetes Engine (GKE) for managed clusters*
- *Cluster Autoscaler for automatic scaling*
- *Node Pools and node management in GKE*
- *Upgrading and rolling back Kubernetes clusters*
- *Configuring cluster security with IAM*
- *Network policies and firewall rules for GKE clusters*

8.GCP Kubernetes Monitoring and Logging

- *Real-time analysis of logs and metrics*
- *Debugging and troubleshooting in GCP Kubernetes*
- *Best practices for monitoring and logging in GKE*
- *Integrating alerts and dashboards for Kubernetes clusters*
- *Kubernetes metrics and performance analysis*
- *Tracing and profiling applications in GKE*
- *Integrating monitoring tools into CI/CD pipelines*
- *Real-world use cases of monitoring and logging in GCP Kubernetes*
- *Impact of monitoring and logging on application performance*

9.GCP Kubernetes Security

- *Identity and Access Management (IAM) principles*
- *Roles, permissions, and policies in GKE*
- *Pod Security Policies and security contexts*
- *Network policies and firewall rules for GKE clusters*
- *Securing container images and registries*
- *Implementing encryption in transit and at rest*
- *Securing secrets and sensitive data in GKE*
- *Real-world use cases of GCP Kubernetes security*
- *Impact of security measures on application reliability*

10.GCP Kubernetes Advanced Topics

- *Custom resource definitions (CRDs) in Kubernetes*
- *Helm charts for advanced application packaging*
- *Advanced networking and service mesh in GKE*
- *Integrating Istio for traffic management and security*
- *GCP's support for multi-cluster and hybrid deployments*
- *Advanced security practices in GCP Kubernetes*
- *Optimizing CI/CD pipelines for Kubernetes*
- *Preparing for advanced GCP Kubernetes certifications*
- *Emerging trends in Kubernetes and container orchestration*

INTERNSHIP

Explore valuable internship opportunities with us! Join a dynamic and innovative environment, collaborate on real-world projects, and enhance your skills. We're seeking motivated individuals with a passion for learning and strong communication skills. This internship offers hands-on experience, exposure to industry best practices, and potential career pathways.



VIRAJETECH EXPERTISE CLASS



VIRAJETECH EXPERTISE CLASS

PLACEMENT ASSISTANCE TEAM



PROJECT MENTORING

35 hours Live
Mentoring in industry
projects

DOUBTS SESSIONS

Twice a week, Live
doubts session from
mentors and experts

JOB COUNSELLING

Mapping your
profile to suitable
job role

INTERVIEW QUESTIONS

Frequently asked
interview questions
course included

ALUMNI CONNECT

Connect with
successful Alumni to
learn from experience

RESUME SUPPORT

Personalized resume
creation support from
professionals

PLACEMENT ASSISTANCE



Mercedes-Benz



OUR LEARNER'S FEED BACK

HIGHEST LEVEL OF CUSTOMER DELIGHT

 **ruchi s**
1 review · 3 photos
 3 months ago

VirajeTech has been a game-changer for me. Their training courses have provided me with the skills I needed to excel in my career 4X. The instructors and Arjun sir are passionate about what they do, and it shows in their teaching. Hands on and practical way of teaching, I highly recommend VirajeTech to anyone looking to further their knowledge and skills

 **Anoop G**
6 reviews
 3 months ago

Getting placed at Amency was a dream come true, and I owe a big thank you to VirajeTech for making it possible. The instructors were experts in their field, and they created a supportive learning environment. The hands-on approach and practical exercises made all the difference.

 **Sachidanand Shahane**
3 reviews
 7 months ago

I am part of the AWS Associate master Class. The course was designed in a fashion that we are able to cover most of the content in a very short time. our trainer Kumar sir clarified any doubt we had and also pushed us to do the practicals which is really helpful in the learning process. Hi having vast knowledge and experience in Devops and Multi cloud platform(AWS,Azure,GCP),he provide the opportunity to get as much knowledge and guidance as possible. each session are interactive has real time use cases.

 **Sayali Gawde**
2 reviews
 a year ago

Thanks for the AWS tutoring by Virajtech. The best decision I have taken in my career so far. Instructor was very helpful and gave all possible solutions related to the problem which we faced in real time scenarios. This is what I have experienced in this course, a very practical and beneficial one.

 **Piyush Poply**
2 reviews
 3 years ago

I am connected with this organization since its inception. This is one of the best places to learn, practice and grow your skills up to the standards of the industry. As in IT industry, maintaining your skills and updating yourself is the most important thing, we should never stop learning and this is exactly what this institute provides. The online classes are really great as well as the trainers.

 **Harpreet Singh**
12 reviews
 7 months ago

Give very detailed explanation and also live teaching classes. Covering all latest topics which for sure help in getting jobs in today's market

ADMISSIONS AND CONTACTS

ENQUIRE FOR DETAILED INFORMATION FOR ENROLLMENT

DURATION:35 HOURS

LEARNING : ONLINE MODE

b 1st floor, 64, 3rd Cross Rd, Electronics
City Phase 1, Electronic City, Bengaluru,
Karnataka 560100
PHN NO:8618501719



GCP IS RATED AS **THE TOP CAREER**
HIGHEST PAID – RECESSION PROOF – MILLIONS OF JOBS



TAKE YOUR FIRST STEP TOWARDS GCP CAREER

ENQUIRE NOW

THANK you



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info@virajetech.com



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