



POST GRADUATE
PROGRAM IN

CLOUD COMPUTING

Accelerate Your Career With India's Most Comprehensive
Cloud Computing Program

8 MONTHS | ONLINE WITH MENTORSHIP

PG PROGRAM IN CLOUD COMPUTING

Great Learning offers PG Program in Cloud Computing (PGP-CC) in collaboration with Great Lakes Executive Learning. This program focuses on empowering professionals to fast-track their careers in Cloud Computing.

In this 8-month intensive experiential learning program, learners get access to 100+ hours of online video content, 6 projects (including capstone), 40+ other hands-on exercises and live weekend mentorship sessions to reinforce their learnings in an industry perspective.



Program Rating

4.7/5*



*1037 participants

THE FUTURE IS CLOUD



**\$ 500
BILLION**

is the estimated public
cloud spending by
2023*

*CenturyLink and Statista



81%

of companies have a
multi-cloud strategy
today*

*Gartner



83%

is the estimated growth
predicted in the cloud
infrastructure market in
2021*

*Forrester Research

GREAT LEARNING - INDIA'S LEADING PROFESSIONAL LEARNING COMPANY



3.5 MILLION+

Learners



1200+

Hiring Partners



4400+

Industry Expert
Mentors



160+

Countries

IF YOU CHOOSE THIS PROGRAM, YOU WILL:

01

Become a cloud professional with the ability to work on platform-agnostic and cloud-based solutions for organizations.

02

Become proficient in AWS and Microsoft Azure with an option to learn Google Cloud.

03

Be able to work with Containers, Microservices, DevOps, Cloud Design Patterns, and Openstack.

04

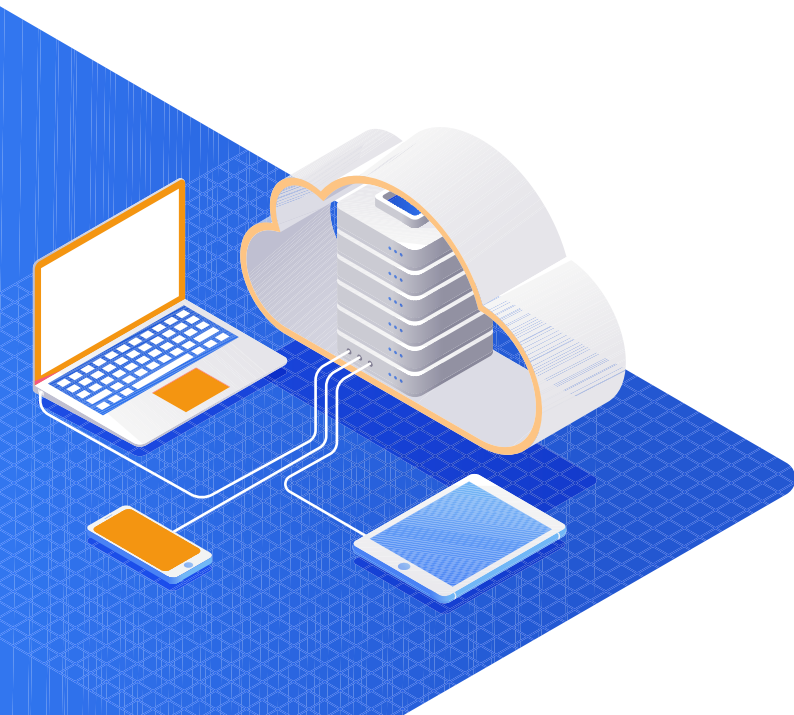
Get a better understanding of Cloud Financial, Adoption & Migration Patterns and learn to make trade-off decisions for your customers.

05

Understand Big Data and Architectural Styles to realize the value of data insights for your organization and customers.

06

Get access to code samples (in Java/Python) for cloud services implementation in an enterprise application (Only for developers with work experience).



WHAT MAKES THE CLOUD COMPUTING PROGRAM UNIQUE?



Hands-on Labs & Projects

Solve and build more than 15 use cases through labs and projects across various cloud platforms.

Capstone Project

Specialize in cloud concepts & domains by working on a set of use cases inspired by real-life industry problems.



Career Assistance

Get dedicated career assistance, such as resume building, interview preparation and personalized career guidance.

Lecture Notes

Apart from the videos, demos, and mentoring, you'll also, access course notes for a quick overview of concepts before your interviews.



Access to Learning Content Beyond Graduation

Continue learning even after completion of the program.

Comprehensive Curriculum

The program covers a diverse yet relevant set of concepts and technologies that prepare you well beyond just industry certifications.



Certificate

Get a certificate from Great Lakes Institute, one of the Top-10 Management Institutes in India.

CERTIFICATE

Upon successful completion of the program, you will receive a Certificate of Completion from Great Lakes Executive Learning.



*Certificate Image is for representational purposes only.
The actual certificate image may vary.

PROGRAM CURRICULUM

FOUNDATIONS

Cloud Primer (Prepartory Work Course)

- Basic Python for Cloud

Cloud Foundations

- Introduction to Virtualization (VM's and Containers)
- Service Delivery and Deployment Models
- Cloud Attributes and Services Taxonomy
- Introduction to Infrastructure Automation
- Key Aspects of IaaS, PaaS and SaaS

 1 Quiz

 1 Project



AMAZON WEB SERVICES

Cloud Computing on AWS

- Compute, Load Balancing, Autoscaling
- Storage, Replication and Life Cycle Management
- AWS Organization and Identity
- Networking and Data migration

 1 Quiz

 1 Project

 4 Practice Quizzes


 8+ Hands-on Projects

Managed Services on AWS

- Databases (RDS, DynamoDB)
- Web Application Firewall
- SNS, SQS, Cloudwatch
- Athena, Quicksight and Kinesis
- Serverless (Lambda)
- AWS Cognitive Services (Rekognition, Comprehend and Polly)
- DynamoDB

 1 Quiz


 1 Project

 4 Practice Quizzes

 8+ Hands-on Projects

Containers & DevOps

- Docker
- AWS ECS
- Deployment Pipeline (AWS Codebuild, AWS Code Commit, AWS Code Deploy, AWS Code Pipeline)
- Cloud Formation
- Terraform (Self-Paced)

 1 Quiz 1 Project 2 Practice Quizzes 6+ Hands-on Projects

Enterprise Cloud Solutions (Self-Paced Course with Running Code Samples)

- Setting up a Cloud based Development Environment
- Data Streaming and Data Analytics on Cloud
- Setting up Kinesis Data Stream
- Platform as a Service - Elastic Beanstalk

M I C R O S O F T A Z U R E

 1 Quiz 2 Projects 7+ Practice Quizzes 10+ Hands-on Practices

Azure Compute Infrastructure

- Infrastructure Monitoring
- Storage
- Virtual Machines
- Deployment & Configuration
- Virtual Networking
- Azure Active Directory

Azure App Solutions

- Implement Application Infrastructure
- Implement Container based Applications

Azure Data Implementation

- Implement NoSQL Databases
- Implement Azure SQL Databases

Azure Network & Operations

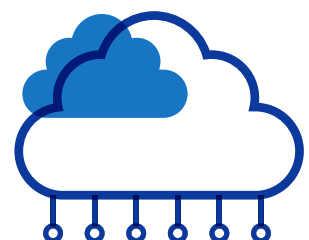
- Manage Workloads
- Load Balancing & Network Security

Azure Security & Governance

- Manage Governance Solutions
- Manage Application Security

Azure DevOps

- Azure DevOps



CAPSTONE PROJECT

Capstone project allows you to apply your learnings to industry use cases and add it to your portfolio for potential employers to see as a tangible body of work.

BIG DATA MANAGEMENT & ANALYTICS

(Self-paced course with hands-on practices & quizzes)

- No SQL Database - Apache Cassandra
- Hadoop through Amazon EMR
- Spark
- Hive

MICROSERVICES

(Self-paced course with hands-on practices & quizzes)

- Expectations and Characteristics
- Failures, Modelling Challenges, Load Balancing
- The 12-factor App
- Architecture and Design Patterns
- Anti Patterns
- Event Driven Architecture
- Security Enforcement
- Migrating a Monolith

CLOUD SECURITY & MIGRATION

(Self-paced course with practice quiz)

GOOGLE CLOUD PLATFORM

(Self-paced course with hands-on practices & quizzes)

PRIVATE CLOUD

(Self-paced course with hands-on practices & quizzes)

SAMPLE HANDS-ON PROJECTS



01

Cloud-Based File Share and Sync Solution

Implemented a cloud-based scalable and secure file share and sync solution using AWS services. The solution can be easily scaled up to run in your data center or on a public cloud, with its servers, storage etc. completely managed and controlled by your IT team in accordance with a company's governance and security requirements.

Concepts: VPC, EC2, Security Group, Internet Gateway, NAT instance, LAMP stack, S3 and MYSQL.

02

Building an Automated Business Process Using Managed Services on a Public Cloud

In the connected world, it is imperative that the organizations be interlinked with the customers and vendors. This process has been very sluggish, manual, batch-based, and prone to failures. Such integration design has led to impaired decision-making and delays in the detection of fraudulent actions. This project created an automated, event-based real-time process using managed cloud services that do not have these limitations.

Concepts: Amazon S3, SNS, Athena and DynamoDB.

03

Deploying Web App Using ECS

In the last decade, small and large enterprises have invested heavily in developing bespoke applications. Since these applications have been built and enhanced over a while, they are complex and any form of re-engineering to convert it to smaller, modular, and independently hosted services are difficult. Managed Container Services from cloud providers allow predictable and reproducible packaging of such apps. This project moved & deployed a classical web app to AWS ECS containers.

Concepts: Docker, ECS, Load Balancer and Fargate.

04

Building Scalable and Resilient Applications

Creating web applications that are both resilient and scalable is an essential part of any application architecture. A well-designed application should scale seamlessly as demand increases and decreases, and be resilient enough to withstand the loss of one or more compute resources.

Concepts: Instance Group, Autoscaler, HTTP Load balancer, Autohealing and Google App Engine.

05

Scalable Geo-Distributed Event Registration App on Microsoft Azure

The application is a multi-tenant web application that can onboard thousands of corporates and millions of end-users. The app is globally available with automatic geo-failover, as any downtime may cost revenue loss to business as end-users will not be able to register. Email notifications are sent to end-users after successful registration with relevant event information.

Concepts: AppServer Instances, Azure Active Directory, Functions and CDN.

06

Build a Document Management System on Cloud

Enterprise information is primarily captured in either a structured or unstructured manner. Databases have been very efficient in handling structured data and allowing the business users flexibility to access the raw data. However, when it comes to handling unstructured data storage, management will have less than the desired outcome if the system used is optimized for structured data. We created a process and a document management system that allows the enterprise to organize, catalogue and fetch data in an intuitive manner.

Concepts: Lambda, Elasticsearch, Containers, Python and Java Codes, S3 and DynamoDB.

07

CloudFormation | AWS CLI

Creating multiple containers and custom docker image

Concepts: AWS CLI, Cloud Formation, Cloud Formation Template and Cloud Formation Stack.

08

Cassandra Setup and Masterless Concepts

Install multi-node Cassandra cluster, induce failure, create keyspace/table and access from the client.

Concepts: Cassandra and BigData.

*Sample Projects

E-PORTFOLIO

Build your credibility as a Cloud professional by showcasing the projects you've worked on through this e-portfolio which is shareable on LinkedIn and other social channels.



PROGRAM FACULTY & INDUSTRY MENTORS



Nirmallya M

Former Chief Architect



Mohit Batra

Founder, Crystal Talks



Raghu Raman

Big Data and Cloud Expert



Sachin Agarwal

Principal Architect



Bhuvaneswari Subramani

AWS Community Hero, Director



Shajee Pulkool

Head - Data & Analytics



Sachin Trivedi

Senior Consultant - Professional Services (DevOps & Migration)



STUDENTS SPEAK



Anurag Shukla

Cloud and DevOps Engineer

Deloitte.

Overall, it was a great learning experience to work on project 2 which helped me to understand the structure of coding and gain hands-on experience in implementations of the concepts.

The Course is splendid. I learned more than I expected. The mentoring sessions are really helpful. Very satisfied with the curriculum relevance, quality of faculty, assignments, and industry sessions.



Rajesh Kumar

Cloud Infra Architect



Akshay Sharma

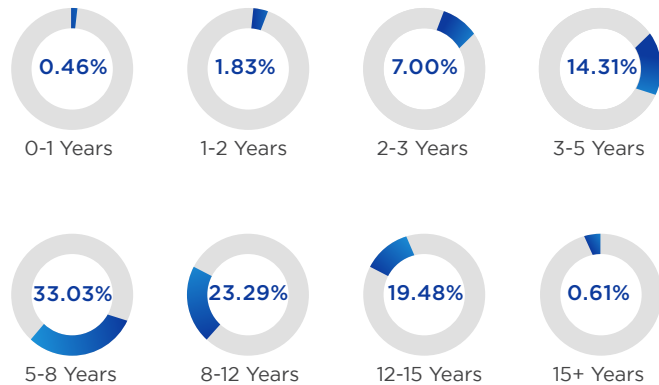
Wireless ETAC

FORTINET.

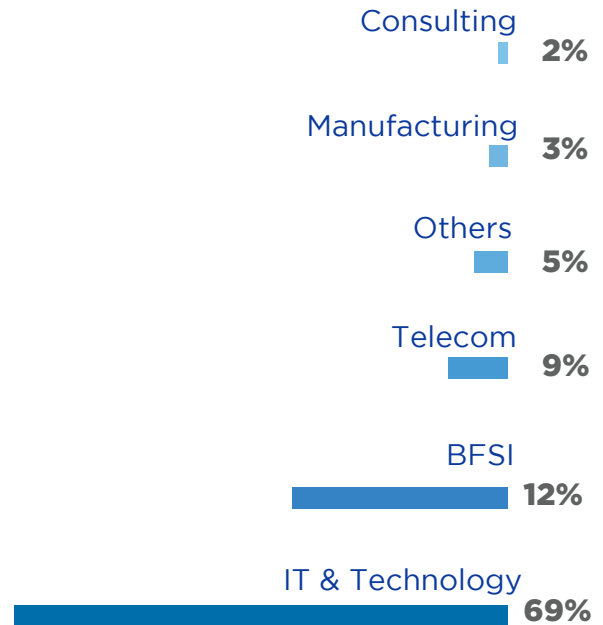
Great Learning, being such a major player in academics, has designed this program quite splendidly. The faculty, especially Mr. Nirmallya and Mr. Raghu, are top-notch with their deep subject knowledge and presentation skills. They made the concepts very clear and easy to learn.

STUDENT PROFILE

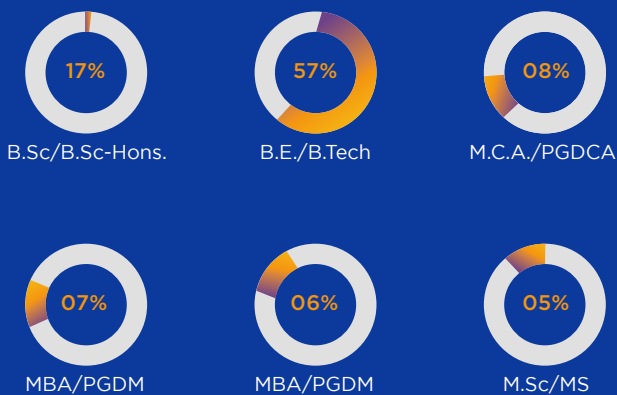
WORK EXPERIENCE DISTRIBUTION



INDUSTRY DIVERSITY



EDUCATIONAL BACKGROUND



EDUCATIONAL QUALIFICATION

With an average work experience of ~11 years, the program participants have excellent diversity across work experience groups and industries.

While the majority of the candidates are from IT & Technology companies, there is a good representation of the BFSI. (MBA, MCA, M.Tech, etc.)

Program participants are working in a variety of job roles such as Head of Engineering, Lead Application Developer, Sr. Software Engineers, etc.

HIRING PARTNERS

Our learners come from a variety of top Indian and global organizations.
Some of these are:



ADMISSION DETAILS

The admission process is conducted on a rolling basis and will be closed once the requisite number of candidates are enrolled in the program.

- Fill an online application form
- Eligible applicants will receive a screening call
- Review of call
- Announcement of results/release of admission offer letter

ELIGIBILITY

The applicants should have a minimum of 3 years of experience in a technology role which includes exposure to development, testing/quality assurance, maintenance, database administration, and technology infrastructure management.

F E E S

₹125,000 + GST

Learning is now made easy with financing options at a 0% interest rate, 0% processing fee and longer tenure of upto 60 months. You will have to pay the **Admission Fees of ₹20,000 + GST**, before the start of your course.

P A Y M E N T P L A N

Loan Tenure	Processing Fee	Interest Rate	EMI (Incl. GST)
3 Months	0%	0%	₹41,300
6 Months	0%	0%	₹20,650
12 Months	2%	0%	₹10,325
18 Months	3%	0%	₹6,883
24 Months	3%	6.50%	₹5,832
36 Months	3%	6.50%	₹4,115
48 Months	3%	7.20%	₹3,324
60 Months	3%	7.60%	₹2,851

For information on flexi-payments and scholarship options, please contact our admissions office at **08047188439**

Start learning at ₹2,851 per month.

Choose the loan tenure as per your convenience.

PROGRAM PARTNERS



Great Lakes is India's leading business school with campuses in Chennai and Gurgaon. Led by exceptional faculty and steered by an outstanding advisory council, Great Lakes is ranked amongst India's top 10 business schools and is ranked as the best in the country when it comes to learning analytics. A certification from Great Lakes ensures you get the industry credibility and acceptance as you look to build your career.



Great Learning, a part of the BYJU'S group, is a leading global ed-tech company for professional and higher education. It offers comprehensive, industry-relevant programs across various cutting-edge Technology, Data, and Business domains. Great Learning's programs are developed in collaboration with the world's foremost academic institutions such as Stanford Executive Education, MIT Professional Education, Wharton Online, The University of Texas at Austin, Northwestern School of Professional Studies, National University of Singapore, Deakin University, IIT Madras, IIT Bombay, IIT Roorkee, IIIT-Delhi, Great Lakes Institute of Management, and more. They are constantly reimagined and revamped to address the dynamic needs of the industry. Great Learning is the only ed-tech company to provide these programs in a blended mode, classroom mode, and purely online mode, relying on its vast network of expert mentors and highly qualified faculty to deliver an unmatched learning experience for learners in India and the world over. Great Learning is on a mission to enable transformative learning and career success in the digital economy for professionals and students across the globe and till date, we have impacted over 3.5 million learners from over 160 countries.

READY TO ADVANCE
YOUR CAREER?

APPLY NOW

Speak to a Program Advisor

080 4718 9251

or

Email us

cloudcomputing@greatlearning.in

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