

edureka!
a Veranda Enterprise

ADVANCED CERTIFICATE PROGRAM IN

CLOUD COMPUTING

IN COLLABORATION WITH



E&ICT Academy
IIT Guwahati



E&ICT Academy IIT Guwahati

As an initiative of the Ministry of Electronics & Information Technology (MeitY), the Academy was set up at IIT Guwahati under the scheme of “Financial Assistance for setting up Electronics and ICT Academies”. On 26 March, 2015 the project started at IIT Guwahati and the Academy was inaugurated by Prime Minister Shri. Narendra Modi on 19 January, 2016. The objective of the Academy is to provide skill training to the Faculty Members (Engineering & Non-engineering) in the area of recent trends in engineering & ICT application. The Academy is designing specialized modules for imparting quality training for enhancing employability and capacity building in the area of Electronics & ICT. In the past 7 years, the Academy has successfully conducted **300+** Faculty Development Programme through conventional classroom teaching and NKN virtual classroom mode in different institutes/Universities of North Eastern States in particular and a few in other states of India. Till date, the Academy has successfully trained **18000+** participants. The Academy has also signed MoU with Institutes/Universities for hosting the programmes and for conducting hands-on sessions the Academy collaborated with Industries as Training/Industry Partners. The Academy is also offering online Advance Certification Courses in the area of Data Science, Artificial Intelligence & Machine Learning, Big Data, Cloud Computing, Full Stack and VLSI Design and trained **1000+** graduates and working professionals. The Academy has also delivered training to Assam Police officials on cybercrime concepts and trained 90+ officials. The project has been extended to 30 September, 2022. The academy has been given a target to train 13019+ faculties till **30 September 2022**, the Academy has achieved the same by **31 March 2022**.

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Edureka is an online education platform focused on delivering high-quality learning to working professionals. We have the highest course completion rate in the industry and we strive to create an online ecosystem for our global learners to equip themselves with industry-relevant skills in today's cutting edge technologies.

Why is Cloud Computing Important?

Cloud computing has become an essential part of modern technology, enabling individuals and businesses to access data, software, and computing power remotely over the internet. According to a report by Forbes, the global cloud computing market is projected to reach \$2321 billion by 2032.

Cloud computing offers many benefits, including cost savings, scalability, accessibility, security, and disaster recovery. Overall, cloud computing has revolutionized the way businesses operate and is likely to continue to be an essential part of the technology landscape for years to come.



Equipped with Data, Organizations are using Cloud Computing to:



Easily scale computing resources up or down as needed



Robust security measures to protect data



Reduce costs by paying only for computing resources used



Use cloud computing for disaster **recovery and backup**



Access data and applications from anywhere with an internet connection



Reduce the burden of maintaining and upgrading IT infrastructure

The demand for Cloud computing professionals is growing rapidly in India, with salaries increasing by 25.4% in 2022. This is due to the increasing adoption of cloud computing by businesses of all sizes, the need for skilled professionals to manage and maintain cloud-based infrastructure, and the growing complexity of cloud computing platforms. Professionals with the right skills can command higher salaries and have many job opportunities. Here are some of the current trends in the Cloud Computing job market:

Current Trends in Data Science Job Market:



Cloud Solutions Architect ranks among the top trending jobs on LinkedIn and Glassdoor

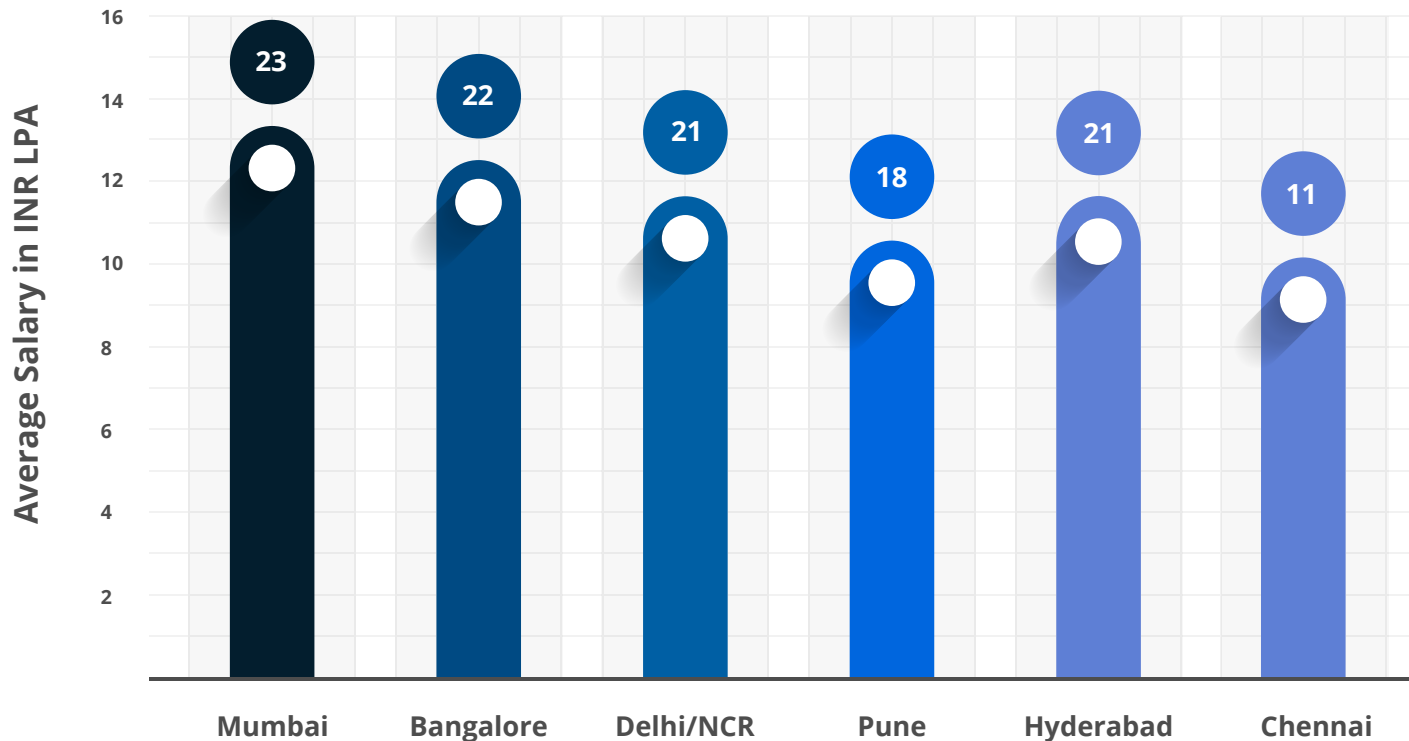


According to Forbes, the global cloud computing market is projected to be **\$2321 billion** by **2032**



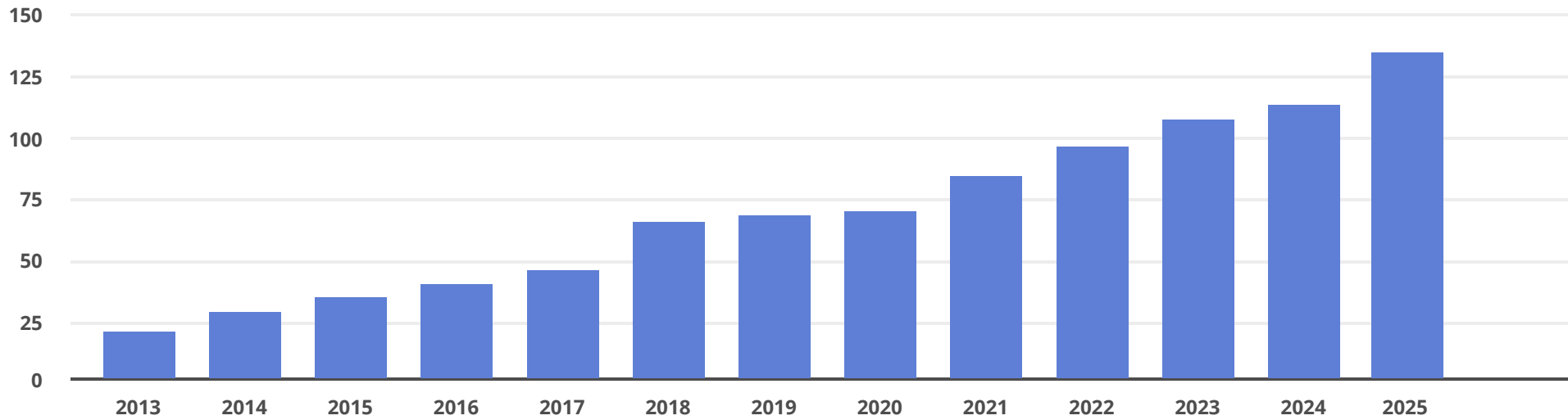
The **average salary** of a Cloud Solutions Architect is **\$1,16,898** per annum

Salary Trend Across Cities



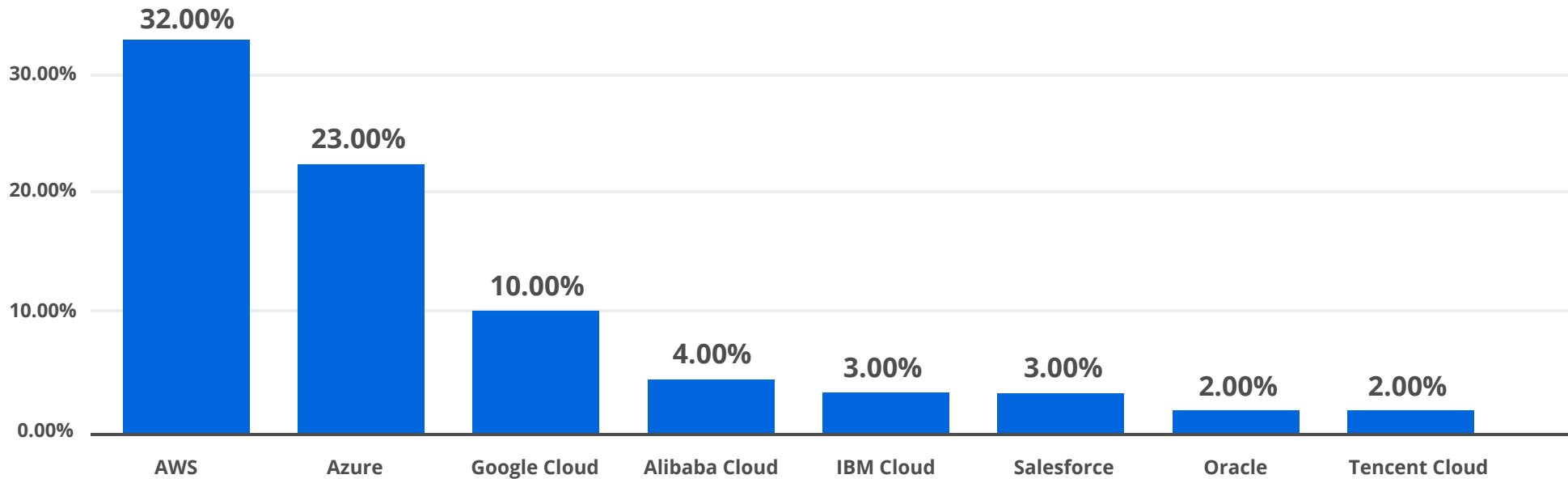
Source - Glassdoor

Cloud applications market size worldwide from 2013 to 2025 (in billion U.S. dollars)



Source: Statista

Share of Cloud Providers Category Market Share



About the Partnership

Edureka, E&ICT Academy IIT Guwahati and industry veterans have jointly collaborated to create the Advance Certification in Cloud Computing to prepare the future workforce in Cloud Computing.



Dr. Gaurav Trivedi

Principal Investigator, E&ICT Academy, IITG
(<https://iitg.irins.org/profile/128317>)



Cloud computing allows businesses to access and use computing resources, such as storage and processing power, on demand and pay only for what they use. This reduces the need for costly infrastructure investments and provides greater flexibility, scalability, and accessibility. We at E&ICT Academy, IITG in collaboration with Edureka have launched our Advance certification Program in Cloud Computing





Vineet Chaturvedi
Co-Founder & CEO, Edureka



The partnership between Edureka and E&ICT Academy, IIT Guwahati, is built on the foundation of sparking a revolution in the Cloud Computing domain. To achieve that, we have created a world-class curriculum (including industry-grade capstone projects) for our learners. We are more than happy to collaborate with IIT Guwahati, which will benefit learners who wish to skill themselves in the Cloud Computing domain.



Key Highlights



6-month Online Advanced Certification



E & ICT Academy, IITG certificate on Completion



Curriculum designed by Edureka and approved by E&ICT Academy, IIT Guwahati



450+ Hours of Learning



9+ Projects, 20+ Case Studies, 100+ Demos



High-Quality Lab Environment



Instructor-Led Live Online Sessions



Industry-Grade Capstone Project

The Edureka Advantage

WHAT I NEED	WHAT EDUREKA OFFERS	WHAT OTHERS OFFER
Practical Knowledge and exposure relevant to the current industry/job needs	✓ Live instructor-led online classes by industry experts	✗ Recorded videos without any interaction with the instructor
Personalised Attention and help to make progress in my learning	✓ A Personal Learning Manager to guide you all through the course	✗ No personal attention. Online recordings common for everyone
Curriculum designed by Top 10 Institutes in India, relevant to the current industry/job needs	✓ Curriculum designed by Edureka and approved by E&ICT Academy, IIT Guwahati	✗ Curriculum by unknown foreign or local colleges
Doubt Clearing Sessions , regular and one-on-one	✓ 24x7 subject matter expert support for your technical/non-technical doubts	✗ Unsatisfactory support and zero doubt clearing sessions
Support and Guidance even after the course completion	✓ Lifetime access to our Learning Management System and Edureka Support	✗ No support after the completion of the course
Certificate/Credentials which are highly recognized in the industry/market	✓ Certificate from E&ICT Academy, IIT Guwahati, recognised globally	✗ Certificate from unknown foreign or local colleges
Career Guidance and Placement Support to get a relevant job in a top company	✓ Complete access to a plethora of our Career Assistance Services	✗ Minimal or no career/placement services
Immersive Learning Experience	✓ A unique learning ecosystem to give you an offline-like immersive experience	✗ Recorded videos without any live experience

Career Assistance Services



Cloud Computing Career-Oriented Webinars

In this Cloud Computing webinar, you will have a live and interactive webinar session with an industry expert to gain knowledge from a seasoned career mentor



Profile Building Assistance

In this Cloud Computing Program, you will get expert tips and advice on how to create an attractive and relevant resume and LinkedIn profile that guarantees effectiveness.



Mock Interview Sessions

In this Cloud Computing training session, the learners can take part in mock interview sessions with industry experts to gain hands-on experience in real-life



Career Mentoring Sessions

Career Mentoring sessions on how to develop the right skills and the right attitude to secure a dream job.



Job Search Assistance

Access to recruiters through Elevayt platform to help learners navigate through thousands of jobs, create their resumes along with skill verification, and track their job application status.

Note: Placement Assistance will be provided to students applying only in India

Learn more about Edureka's hiring partners in the next section.



Edureka has placed thousands of students in various top tech companies like:



SAMSUNG



UNZO



What's in it for You?

After completing the program, you will receive an industry-recognized certification from the E&ICT Academy, Indian Institute of Technology, Guwahati (IITG), in Cloud Computing.

After getting your certification in Cloud Computing, you will be able to explore a wide range of Cloud Computing jobs available globally, like

Entry-Level:

- Cloud Support Engineer
- Cloud Operations Analyst
- Cloud Security Analyst
- Cloud Application Developer

Mid Level:

- Cloud Solutions Architect
- Cloud Operations Engineer
- Cloud DevOps Engineer
- Cloud Data Engineer

Senior Level:

- Cloud Architect
- Cloud Operations Manager
- Cloud Security Manager
- Cloud Data Architect

Customer Success Stories



★★★★☆ 4.4

2,450+ Google Reviews



★★★★☆ 4.5

1,000+ Trustpilot Reviews



Ramesh Kalathy

Manager- IT Dev

"I have enrolled in the AWS Developer Certification Course. Content is designed in such a way that it covers all the concepts of the certification exam. Support is great and can answer all your queries. Based on my experience with this course, I will enroll in other courses as well."



Ramkumar P

Senior Process Executive

"I enrolled in the AWS Solutions Architect course. My instructor taught all the concepts, solved my doubts, and guided me throughout the course. Content covers all the essentials along with real case demos. I thank Edureka for making me believe that I can become an AWS Solution Architect."



Madan B

Verification Validation Engineer

"I enrolled for the AWS Solution Architect course and it's a great learning experience. Edureka provides a good learning platform and provides a strong foundation for learners to become successful in their career. Overall thanks to Edureka for Shaping me as a Good Professional in IT Life."



Gururaj Kannarpadi

General Manager IT, Vodafone

"I am currently pursuing Cloud Architect Masters Program and just completed DevOps Certification. I also completed the AWS Solution Architect course earlier. I thank Edureka, instructors, and also their support staff for resolving other non- tech issues etc."



Gourav Updadhay

MS Azure Consultant

"I took a course with Edureka and it was a great experience with them. The instructor had deep technical knowledge and taught everything. Content is also well designed as per the Microsoft AZ-104 certification. Looking forward to joining some of the new courses in the coming months as well."



Bedadala Prasad Reddy

AWS Engineer

"I am very happy about the content and relevant materials delivered by Edureka. The instructor explained everything related to the course curriculum. The final project provided to complete the certification covers all the key points of the course. I will definitely recommend Edureka as the best place for AWS courses."

Learning Path

Week
01-05

Course 1 - Architecting Cloud Solutions using AWS:

Introduction to Cloud Computing, Introduction to AWS, Identity and Access Management, Virtualization using EC2, Cloud Storage, Networking on Cloud, Cloud Databases, Security Management in AWS, and Machine Learning Essentials in Cloud

Week
06-09

Course 2 - Managing and Monitoring Cloud Solutions using AWS:

Load Balancing, Auto Scaling and Routing using AWS, Monitoring Resources and Governance in AWS, Application Services and Serverless Computing, Cloud Analytics and Cost Management, High Availability, Fault Tolerance, and Disaster Recovery, AWS Well-Architected Framework ,and Popular Cloud Architectures.

Week
10-15

Course 3 - DevOps and Containers in Cloud:

Introduction to DevOps, Integration with Git, Jenkins and Maven, Containerization with Docker, Container Orchestration using Kubernetes Introduction to DevOps on Cloud, Automating Infrastructure on Cloud, Application Deployment & Orchestration using ECS, ECR, and EKS, Application Deployment using Beanstalk, Provisioning Cloud Resources using Terraform, and Prometheus and Grafana

**Week
16-18**

Course 4 - Migrating to AWS Cloud Infrastructure:

Introduction to Cloud Migration, Data Migration to Cloud, Application Migration to Cloud, Database Migration to Cloud, and Monolithic Application Migration to Cloud

**Week
19-23**

Course 5 - Designing Cloud Solutions using Microsoft Azure:

Introduction to Microsoft Azure, Azure Compute and Storage Solutions, Azure Networking, Azure Security, Azure Database and App Services, Azure Monitoring and Management, Mutli Cloud Deployment, and Azure Industry Use Cases

**Week
24-25**

Capstone Project

Architecting with Google Cloud Platform

Program Aspects

Modular Assignments

20+

Strengthen your understanding of Cloud Computing with 20+ Modular

Projects

9+

3 Real-time Industry Grade Projects to consolidate your Cloud Computing

Case Studies

20+

Gain a better understanding of Cloud Computing with both Project and Problem based 20+ Case Studies

Features & Tools

50+



















Practice your skills in our advanced Cloud Computing Lab with 50+ features and tools

Tools, Languages & Frameworks



aws



 Kubernetes	 AWS CodeCommit	 AWS CloudFormation	 Amazon ECS	 Elastic Beanstalk	 AWS Migration Hub
	 Microsoft Azure Resource Manager	 Microsoft SQL Azure	 Azure App Services	 Azure Monitor	 Azure Functions
 Google Cloud	 Google Compute Engine	 App Engine	 Google Cloud Functions	 Cloud Datastore	 Cloud Spanner

Capstone & Live Session Projects

The projects and assignments will help you accumulate real-world experience in different industries like:



IT Industry



Human Resource Industry



Retail Industry



Food Delivery Industry



Automotive Industry



Finance Sector



Logistic Industry



Entertainment Industry



Healthcare Industry

Capstone Project



Project#1: Architect and Orchestrate Container Based Automation Solution

Mark Retail is a hypothetical international retail company that is moving to a new microservices-based architecture for their inventory management website. The inventory management website helps in managing its Texas warehouse products. With this software, a warehouse administrator can add the products and their details coming into the warehouse. The software can also maintain the current outstanding demand for the product and keep various administrators' details. The administrators can also have the provision to upload product worksheets in JSON format.



Project#2: Migrating a monolithic application to AWS

You are recently promoted from a Cloud Engineer to a Cloud Migration Architect and assigned a project to migrate a monolithic application to AWS and then break it into microservices using Docker and the AWS Command Line Interface (AWS CLI). It mainly involves repository creation in the Amazon Elastic Container Registry (AWS ECR) and AWS CloudFormation to automate the configuration of workloads of AWS services used in the migration.

Some of the Live Session Projects

- Application Migration to AWS
- Building, Configuring and Deploying a Cloud Application
- Hosting two Sub-domains created by Single Beanstalk Environment
- HR Management System
- Replicating on-premise infrastructure of a company to
- Software Automation

Instructors, Mentors & Influencers



Nachiketh Murthy
ML Ops Manager



Dimple K Sanghvi
Consultant, Trainer, Mentor



Justin Johnraj
Cloud Architect



Gaurav Khandelwal
*AWS Cloud Architect,
SRE Senior Staff*

Admissions Process

1



Fill the Enrolment Form

You will be required to provide personal, educational, and professional details. Once we receive your details, our Admissions Counselor will reach out to take your candidature further.

2



Take the Interview & Get the Offer Letter

A one-on-one chat with our SME to understand your basic knowledge, prior work experience, and your expectations from the course. After your interview assessment, you will receive an offer letter from us.

3



Pay the Batch Confirmation Fees

Based on your scholarship form and interview performance, your final fee will be determined. You need to make an upfront payment to confirm your class batch.

4



Get Your Batch Allotment

After the payment formalities, you will be given course credentials and your learning journey will begin!

Eligibility

A potential candidate must have one of the following prerequisites:

- Should have studied PCM in 10+2
- Any Undergraduate Degree like BCA, B.Tech, B.E, B.Com etc
- Any Diploma holder with basic programming knowledge can also apply

Program Fee

Program Fee	₹ 99,000/- excluding of all taxes
EMI Plan	EMI starts at ₹ 8999/- per month

Contact Us

For further details, please reach out to:

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- ✉ admissions.pgp@edureka.co

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