



Training Program

DP 300 Administering Relational Databases on Microsoft Azure Training



1.2 Million
Learners



1-1 Personalized
Mentorship



60% Average
Salary Hike

About Program



Learning Format

Online / Offline



Trainer

Industry Professionals



Career Services

By Croma Campus

Our course content has been specifically designed to turn you into a skilled professional in this industry. As a part of your certification training, you will receive enough study material and recorded video sessions that will help you cover all the latest trends and features in this course. The training session will comprise important sections, features, advantages, and scope of the technology in the coming years. Moreover, our qualified trainers will help you imbibe all the required skills, and information in a much better manner to help you in you becoming an expert in this technology. Post the completion of your course, you will receive a training certificate recognized world-wide.

What Make Us **Tick**



Career-oriented Sessions

Attend 25+ career-oriented sessions by industry mentors and prepare your career trajectory



Mock Interview Preparation

Prepare with mock interviews including most asked questions by top employers



Dedicated Job Portal Access

Get exclusive access to 100s of job postings per month on Croma Campus Intellipaat's job portal



Profile Building

Craft a resume and LinkedIn profile and make an impression on top employers



1:1 Mentoring Sessions

Get 1:1 guidance at every step in your career transition to respective Technology



Guaranteed interviews

Get job interviews with 400+ hiring partners including promising startups and top MNCs

DP 300 Administering Relational Databases on Microsoft Azure **Training Curriculum**

✔ Plan and Implement Data Platform Resources (15–20%)

Deploy resources by using manual methods

- deploy database offerings on selected platforms
- configure customized deployment templates
- apply patches and updates for hybrid and IaaS deployment

Recommend an appropriate database offering based on specific requirements

- evaluate requirements for the deployment
- evaluate the functional benefits/impact of possible database offerings
- evaluate the scalability of the possible database offering
- evaluate the HA/DR of the possible database offering
- evaluate the security aspects of the possible database offering

Configure resources for scale and performance

- configure Azure SQL database/elastic pools for scale and performance
- configure Azure SQL managed instances for scale and performance
- configure SQL Server in Azure VMs for scale and performance
- calculate resource requirements
- evaluate database partitioning techniques, such as database sharding
- set up SQL Data Sync

Evaluate a strategy for moving to Azure

- evaluate requirements for the migration
- evaluate offline or online migration strategies
- evaluate requirements for the upgrade
- evaluate offline or online upgrade strategies

Implement a migration or upgrade strategy for moving to Azure

- implement an online migration strategy
- implement an offline migration strategy
- implement an online upgrade strategy
- implement an offline upgrade strategy

✔ Implement a Secure Environment (15-20%)

Configure database authentication by using platform and database tools

- configure Azure AD authentication
- create users from Azure AD identities
- configure security principals

Configure database authorization by using platform and database tools

- configure database and object-level permissions using graphical tools
- apply principle of least privilege for all securables

Implement security for data at rest

- implement Transparent Data Encryption (TDE)
- implement object-level encryption
- implement Dynamic Data Masking
- implement Azure Key Vault and disk encryption for Azure VMs

Implement security for data in transit

- configure server and database-level firewall rules
- implement Always Encrypted

Implement compliance controls for sensitive data

- apply a data classification strategy
- configure server and database audits
- implement data change tracking
- perform a vulnerability assessment

✔ Monitor and Optimize Operational Resources (15-20%)

Monitor activity and performance

- prepare an operational performance baseline
- determine sources for performance metrics
- interpret performance metrics
- configure and monitor activity and performance at the infrastructure, server, service, and database levels

Implement performance-related maintenance tasks

- implement index maintenance tasks

Identify performance-related issues

- configure Query Store to collect performance data
- identify sessions that cause blocking
- assess growth/fragmentation of databases and logs
- assess performance-related database configuration parameters

Configure resources for optimal performance

- configure storage and infrastructure resources
- configure server and service account settings for performance
- configure Resource Governor for performance

Configure a user database for optimal performance

- implement database-scoped configuration
- configure compute resources for scaling
- configure Intelligent Query Processing (IQP)

✔ Optimize Query Performance (5–10%)

Review query plans

- determine the appropriate type of execution plan
- identify problem areas in execution plans
- extract query plans from the Query Store

Evaluate performance improvements

- determine the appropriate Dynamic Management Views (DMVs) to gather query performance information
- identify performance issues using DMVs
- identify and implement index changes for queries
- recommend query construct modifications based on resource usage
- assess the use of hints for query performance

Review database table and index design

- identify data quality issues with duplication of data
- identify normal form of database tables
- assess index design for performance
- validate data types defined for columns
- recommend table and index storage including file groups
- evaluate table partitioning strategy

- evaluate the use of compression for tables and indexes

✔ **Perform Automation of Tasks (10–15%)**

Create scheduled tasks

- manage schedules for regular maintenance jobs
- configure multi-server automation
- configure notifications for task success/failure/non-completion

Evaluate and implement an alert and notification strategy

- create event notifications based on metrics
- create event notifications for Azure resources
- create alerts for server configuration changes
- create tasks that respond to event notifications

Manage and automate tasks in Azure

- perform automated deployment methods for resources
- automate backups
- automate performance tuning and patching
- implement policies by using automated evaluation modes

✔ **Plan and Implement a High Availability and Disaster Recovery (HADR) Environment (15–20%)**

Recommend an HADR strategy for a data platform solution

- recommend HADR strategy based on RPO/RTO requirements
- evaluate HADR for hybrid deployments
- evaluate Azure-specific HADR solutions
- identify resources for HADR solutions

Test an HADR strategy by using platform, OS, and database tools

- test HA by using failover
- test DR by using failover or restore

Perform backup and restore a database by using database tools

- perform a database backup with options
- perform a database restore with options
- perform a database restore to a point in time

- Configure long-term backup retention

Configure HA/DR by using OS, platform, and database tools

- configure replication
- create an Availability Group
- configure auto-failover groups
- integrate a database into an Availability Group
- configure quorum options for a Windows Server Failover Cluster
- configure an Availability Group listener

✔ Perform Administration by Using T-SQL (10-15%)

Examine System Health

- evaluate database health using DMVs
- evaluate server health using DMVs
- perform database consistency checks by using DBCC

Monitor database configuration by using T-SQL

- assess proper database auto-growth configuration
- report on database free space
- review database configuration options

Perform backup and restore a database by using T-SQL

- prepare databases for Always On Availability Groups
- perform transaction log backup
- perform restore of user databases
- perform database backups with options

Manage authentication by using T-SQL

- manage certificates
- manage security principals

Manage authorization by using T-SQL

- configure permissions for users to access database objects
- configure permissions by using custom roles

Placement Guide

- What is an Interview?
- Tips to clear an Interview
- Common Interview questions and answers
- DP-300 Interview Questions and Answers
- Resume Building Guide
- Career roadmap and certifications
- Attempt for the Global Certification Exam
- Start applying for Jobs

e-Learning through LMS

Learning Management System

Our LMS (LearnPitch) is for the administration, documentation, tracking, reporting, automation, and delivery of educational courses, training programs, or learning and development programs.

Our LMS has been designed to identify training and learning gaps, using analytical data and reporting to keep you up with the class activities.

Key Features Learning Management System



Live Sessions with Class recordings



Get study material with Assignments.



Track your curriculum covered.



Track your class wise attendance



Share your feedback for Trainer & Training



Get your Training Certificate from LMS



Training **Certification**

Earn Your **Certificate**

Your certificate and skills are vital to the extent of jump-starting your career and giving you a chance to compete in a global space.



Croma Campus! Reviews



"The most rewarding part of my experience has been achieving a prestigious certification in the subject that I love. Moreover, the training offered out by the specialists are of world-class and prepares out the students for corporate world. For me Croma Campus means a lot."

*"By The
Students
For The
Students,,*

Your Success Is **Our Story**



Bharat

“ I am fully satisfied with the excellent training services received by the expert staff at Croma Campus. I want to thank Croma Campus for providing me with the most innovative and affordable training services for learning all the software testing procedures and guidelines. ”



Ankit

“ It was a lifetime experience for me to get trained by IT Experts of Croma Campus. What I liked most about the training was the consistent high-quality education, which was friendly and co-active. The placement department was also proactive, they keep me updated regarding new job opportunities and provide the grooming session to crack the interview. At last, I would like to thank all faculty members of Croma Campus for their immense help and support. ”



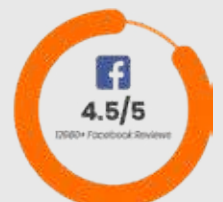
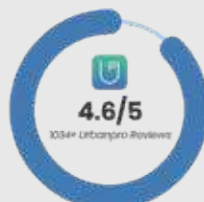
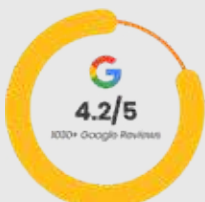
Nitesh

“ Without any second thought, I will give Croma Campus 10/10. Their placement department is highly proactive. I remember they started scheduling interviews for me from the very next day when I told them my course has been completed. These people are doing a phenomenal job and I highly recommend Croma Campus to everyone. ”



Shams Khan

“ Croma Campus is doing a phenomenal job in the IT training industry. The reason why I decided to join their training program was that they provide quality training at very a nominal price. Plus, the online training mode was also a factor due to which I decided to join the training program of Croma Campus as I didn't want to attend physical classes. ”



Meet Our Team



Sales Team

Our Sales team is highly passionate, emphatic, positive attitude, great listening skills, ability to deliver quick solutions, and they are multitasker too. Our team always remains up-to-date about all the latest technologies and market trends. With effective communication skills, they always work to deliver the right information to customers when it is needed.



Product Team

Our product team is highly functional and collaborative working together to achieve the common outcome of designing exceptional digital experiences. Each of our members is a contributor to help us achieve success in long-run. Sitting at the high-end of technology and innovation, team helps to deliver high-end customer experiences and always comes out with a big idea as a game-changing plan.



Marketing Team

Our Marketing team works as gladiators and helps us to achieve business success in all possible ways. They are included in almost everything either it is building a brand, creating brand awareness, promoting products or services, delivering trailblazing customer experiences or increasing engagement at public forums. They are the true backbone of the Company.



Content Team

Our content team is responsible for ideation, creation, optimization, and distribution of content throughout the company. The team always starts its work with a strategy, how to create high-quality contents, and how to promote or share the content. Our in-house content team help us to produce all types of contents either they are educational content pieces, marketing content, SEO content, or any other forms too.



Customer Access Team

This is the team that has actually been taken up us from reactive state to a pro-active state. The team utilizes high-valued solutions to satisfy customers in all possible ways. It is truly said that no company can succeed if your customers are not satisfied. And our customer success team is dedicatedly working to keep all the customers satisfied and we always consider our customer feedback on priority.



HR Team

Our HR team is committed to provide high-end solutions to employees as they require. Our HR team has the right skills and knowledge to make sure that the HR department can always be legally and strategically successful. They know how to keep employees motivated all the time with the best HR policies and fun activities too from time to time.

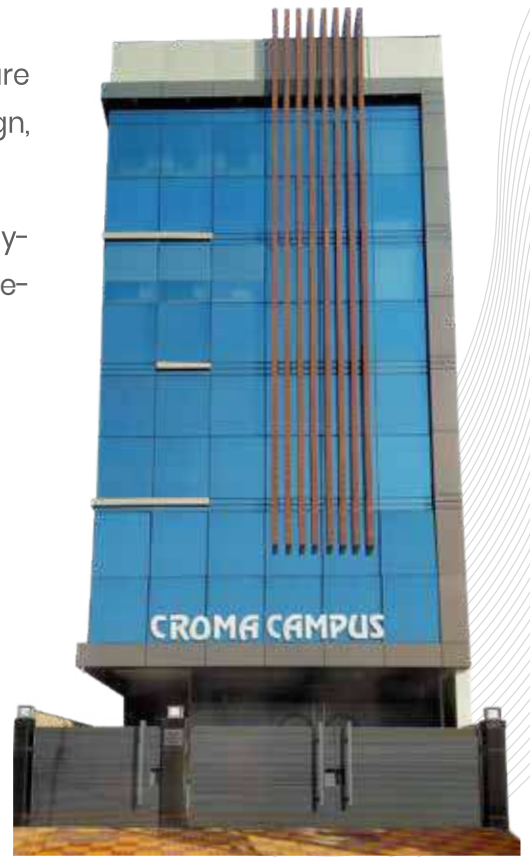


Glimpse Of Our Office

Look Who We are

Our office's infrastructure comprises all the necessary software and network resources that are required to deliver IT & Design, Human Resources, Digital Marketing, and training services.

We are well-equipped with bright designed work bays for employees and managers having separate cabins with spacious cafeteria and training classrooms.



About Croma Campus

“ Our Mission is to Build Nation through Education & Beyond Limitation. ”

Croma Campus Training & Development Private Limited is an education platform providing rigorous industry-relevant programs designed and delivered in collaboration with world-class faculty, industry & Infrastructure. In the past 12 years we have trained 18000+ candidates and out of which we are able to place 12000+ professionals in various industries successfully.

We Are
Affiliated
With Different
Partners



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REACH US:

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