

## IQAC Internal quality assurance cell

in collaboration with

Department of Computer Science and Engineering

Institute of Management Commerce and Economics

Department of Extension Services



**Certificate Course on**



**Duration**  
10 Jun-10 Jul 2024

Registration is Open for Everyone



### Overview

Learning AWS cloud computing is crucial as it is one of the most widely adopted cloud platforms in the world, offering powerful and scalable computing solutions. AWS provides a broad array of services such as computing power, storage options, and networking capabilities, making it essential for professionals seeking to manage and deploy applications and services at scale. Mastery of AWS allows individuals to leverage its extensive suite of tools for innovation, from machine learning to database management, enhancing operational efficiencies and reducing costs with its pay-as-you-go pricing model. With AWS skills, you can ensure security, compliance, and performance optimization for businesses, making you a valuable asset in any technology-driven organisation. This knowledge positions you well for a future where cloud technology is fundamental to business strategy and execution.

AWS is a dynamic and versatile cloud computing platform that provides a broad range of utilities and key features to address the diverse needs of businesses and developers.

### Detailed Training Schedule (12 Days spread in 30 Hours)

Day	Topic
1	Welcome And Introduction To The World Of Cloud Explanation Of Cloud Types And Cloud Services Introduction To AWS & Global Infrastructure
2	AWS Free Tier Account Setup Overview Of AWS Management Console & Budget Setting Introduction To Elastic Compute Cloud (EC2) & Amazon Machine Image (AMI)
3	EC2 Instance Types And Placement Groups Creating Windows And Linux EC2 Instances (Live Hands-On)
4	EC2 Instance Purchase Options And AWS CLI (Live Hands-On) Customize Amazon MachineImage (AMI) (Live Hands-On)
5	Introduction To Virtual Private Cloud (VPC) VPCSubnet, RoutingTable, And Internet Gateway (Live Hands-On)
6	VPC NAT Gateway, Security Groups, And ACLs (Live Hands-On) AWS Direct Connectand VPC Transit Gateway( LiveHands-On)
7	DNS And Load Balancer Introduction AWS Route 53 Setup & Elastic Load Balancer Configurations (Live Hands-On)
8	Introduction To Auto Scaling & Configurations (Live Hands-On) Combining Auto Scaling With Load Balancing In VPC ( LiveHands-On)
9	Identity And Access Management (IAM) Setup: Users, Groups, And Roles (Live Hands-On) AWS Security Services: KMS, ACM And WAF (Live Hands-On)
10	S3 Security And Management Features (Live Hands-On) Introduction To AWS Storage Options: AWS DataSync And Storage Gateway (Live Hands-On)
11	Introduction To AWS Databases: RDS And DynamoDB (Live Hands-On) Advanced Database Features: Multi-AZ, Read Replicas, And Redshift (Live Hands-On)
12	AWS Monitoring And Auditing: Config, CloudTrail, And CloudWatch (Live Hands-On)
13	AWS Container Services: ECSand EKS Overview (Live Hands-On) Introduction To AWS Lambda And Serverless Architecture (Live Hands-On)
14	Application Integration: Amazon SNS And SQS (Live Hands-On) AWS Step Functions And Workflow Management (Live Hands-On)
15	Review And Intermediate Practical Exam
16	Migration Services: Snowball And Server Migration Service (SMS) (Live Hands-On) VM Import/Export Best Practices (Live Hands-On)
17	AWS Billing And Cost Management Tools Understanding AWS Organisations And Budgets
18	Introduction To AWS Developer Tools: CodeBuild, CodeDeploy, And CodePipeline Deployment Strategies: Blue-Green Deployments On AWS
19	Final Project Workday: Implementing A Comprehensive AWS Solution
20	Final Project Presentations And Course Wrap-Up

### Instructor Profile



**Bhavesh Atara**

Bhavesh Atara is Corporate trainer for Professional Certification like AWS, Azure, Cisco And VMware after completing his 1st professional certification mce in year 2000. he started his career as trainer of server and networking at Jetking Infotech Ltd. he provided training to more than 15,000 it professionals from last 21 years and the numbers are growing more and more.

Clients to whom he has provided training are AWS, DBS Tech, L&T Infotech, DXE, SimplyLearn. he also conducted more than 150 live webinar to the various engineering colleges all over the India.

### Mentors

Cheif Partron	Er. Pankaj Agarwal, Chancellor, SRMU
Cheif Partron	Er. Pooja Agarwal, Pro-Chancellor, SRMU
Patron	Prof. (Dr.) B.M Dixit, Vice Chancellor, SRMU
Convener	Prof. (Dr.) Ritu Chandra, Director, IQAC & IER, SRMU
Convener	Dr. Veena Singh, Dy. Director Extension Services & Community Engagement
Coordinators	Dr. Bineet Gupta (DCSIS), Dr. Satyabhusan Verma (DCSE)
Coordinators	Prof. (Dr.) Manish Kumar Tiwari (IMCE), Dr. Shilpa Shukla (IQAC)
Course Coordinators	Er. Kartikesh Tiwari, Er. Rohit Singh
Course Coordinators	Mr. Prashant Awasthi, Dr. Syed Asif Mehdi
Course Co-Coordinators	Mr. Mritunjay, Mr. Nirbhay Tiwari, Dr. Swati Yadav
Course Co-Coordinators	Ms. Neha Anand, Mr. Aditya Pratap Singh, Er. Raghuvveer Sachan
Student Coordinators	Aslam Ali, Shreya Mahendra, Vartika Kanwal, Deepak Sharma

### Contact Us

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### Registration Process

#### Follow These Steps To Register:

##### Step 1: Scan and Pay

The Registration Fee Is ₹999  
Pay Here: <https://rzp.io/l/abtVTgJu>

##### Step 2: Register Now

<https://forms.gle/KRBNNgC2PHY6ctyo9>

**Note:** Registration is open for everyone, You can register for more than one course.

