

Date: 13/02/2025

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AWS Cloud Infrastructure and Services Training for Kamaraj College of Engineering and Technology

About the Proposal:

This proposal is prepared as per the requirement of Dr. Vendhan Duraisamy, Assistant Professor, Department of Information Technology, Kamaraj College of Engineering and Technology for the training of the Students of the II Year for AWS Cloud Infrastructure and Services.

Objectives of the course:

The course creates technical awareness about the fundamentals of cloud computing and AWS services, along with expertise in deploying, managing, and securing cloud infrastructure for various industrial and commercial applications.

Syllabus:

1. Introduction to Cloud Computing & AWS Basics
2. EC2 & Auto scaling
3. Global Infrastructure and Reliability
4. Networking
5. Storage Services - S3, EBS, EFS
6. Security

Learning Outcomes:

Upon successful completion of the AWS Cloud Infrastructure and Services Training, candidates will be able to:

1. **Understand AWS Core Services & Infrastructure** – Gain foundational knowledge of AWS compute, storage, networking, and security services.
2. **Hands-on Cloud Deployment & Management** – Learn to launch and manage EC2 instances, set up databases, and configure networking with VPC.
3. **Implement Best Practices for Security & Scalability** – Apply IAM policies, monitor resources, and deploy scalable, cost-effective cloud solutions.

The syllabus is designed based on the **AWS Certified Cloud Practitioner** certification conducted by Amazon.

Targeted Employment Opportunities:

Cloud Engineer

Requirements: Proficiency in AWS services (EC2, S3, RDS, VPC, IAM); understanding of cloud security, networking, and automation.

Learning Outcome Mapping: AWS infrastructure deployment, cloud security best practices, VPC networking.

DevOps Engineer (Cloud)

Requirements: Knowledge of AWS automation tools (CloudFormation, Terraform, AWS CLI); experience with CI/CD pipelines, monitoring, and scalability.

Learning Outcome Mapping: AWS deployment automation, CloudWatch monitoring, auto-scaling configurations.

Cloud Security Engineer

Requirements: Expertise in IAM policies, encryption, security compliance frameworks (ISO, NIST, GDPR).

Learning Outcome Mapping: AWS security best practices, identity and access management, cloud compliance.

Course Details:

- 5 days Course at the college Premise.
- Theory classes with hands-on training.

Prerequisites:

1. Each Student should have a windows / Ubuntu (preferred) Laptop.
2. Each student must create an AWS account before the training.
3. Internet connectivity is mandatory.

Pricing:

S.NO	University Edition	Total Cost (incl of GST)
1	AWS Training for Students Batch Size - Up to 40 participants	80,000/-

Payment Details:

Beneficiary Account number	:	50200027010922
Beneficiary Account name	:	BEVYWISE NETWORKS
LLP Beneficiary Bank	:	HDFC BANK LTD, Vannarapettai, Tirunelveli
IFSC Code	:	HDFC0000636
Payment Terms	:	50% Advance & 50% on Completion

About Bevywise:

We at Bevywise Networks offer MQTT based frameworks for businesses and solution providers for automating business and commercial use cases. Over our framework, we have built a complete end to end industry 4.0 solution. We also offer our framework as a bundle for Educational institutions. We have been in business since 2017, we have 75+ customers across the globe in all the three verticals we serve. Our frameworks have been utilized for implementing IoT solutions in verticals like Smart Manufacturing, Pharma & Health care, Cattle Management, Home & Building Automation, Oil & Gas, Logistics, Energy Sector and more. We host our IoT solutions on cloud (public & private) and on premise as needed for the customer requirements.

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