Basaveshwar Engineering College, Bagalkot

Department of Computer Applications (M.C.A)

Course: MCA

Semester: II

<u>Seminar Topic : AWS</u>

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1. Introduction

Amazon Web Services (AWS) is a leading cloud computing platform offered by Amazon. It provides a wide range of services such as storage, databases, computing power, and networking to help businesses scale and grow without the need for physical infrastructure. This seminar aims to provide a foundational understanding of AWS and its key features.

2. Seminar Topic Details

Title of the Seminar: Introduction to Amazon Web Services (AWS)

This seminar explores the fundamentals of AWS, its services, architecture, and practical applications. It is designed to introduce students to cloud computing using AWS and demonstrate how to deploy and manage applications in the cloud.

3. Topic Summary

The seminar will cover:

- Basics of cloud computing

- Overview of AWS and its global infrastructure

- Core services like EC2, S3, RDS, and Lambda

- Practical examples of using AWS in real-world scenarios

- Benefits of cloud computing including cost-efficiency and scalability

- Security and compliance in AWS

4. Relevance to MCA Curriculum

AWS aligns with the MCA curriculum by:

- Enhancing knowledge in cloud computing, which is a core subject

- Supporting understanding of modern software deployment and scalability

- Encouraging hands-on skills with real-world cloud platforms

- Preparing students for cloud-related certifications and job roles

5. Learning Objectives

By the end of the seminar, students will be able to:

- Understand the basics and need for cloud computing

- Identify and explain key AWS services and their use cases

- Navigate the AWS Management Console

- Launch basic services like virtual servers and cloud storage

6. Expected Outcome

Participants will gain:

- A strong foundational understanding of cloud computing with AWS

- Confidence to explore AWS services independently

- Insight into deploying and managing cloud applications

- Awareness of career opportunities and certifications in cloud technology

7. References

- AWS Official Website: https://aws.amazon.com

- AWS Documentation: https://docs.aws.amazon.com

- AWS Training and Certification: https://aws.amazon.com/training

- YouTube: AWS Events and Tutorials

- Cloud Academy and Coursera: AWS Cloud Courses

Coordinator Signature: **HOD Signature**