

**A REPORT ON WORKSHOP-MASTERING THE CLOUD: FUNDAMENTALS TO ADVANCE**

**Organized by** : Department of Computer Science and Engineering

**Event** : Two-day workshop on Mastering the Cloud: Fundamentals to Advance

**Venue** : SH-212

**Date** : 16/10/2024 to 17/10/2024

**Time** : 9:00AM - 4:50PM

**Resource person** : Mr. Surya Kumar Reddy

**Participants**

| S. No | Year & Branch | No. of Students Participated | No. of Faculty Participated |
|-------|---------------|------------------------------|-----------------------------|
| 1     | III-CSE       | 71                           | 05                          |

**About the workshop**

“Mastering the Cloud: Fundamentals to Advanced” workshop, conducted by Department of Computer Science and Engineering through Computer Society of India, which provided comprehensive knowledge on both theoretical concepts and practical applications of Amazon Web Services (AWS). The session was very well-structured, starting from the basics of cloud computing to advanced features and hands-on demonstrations.

The workshop began with an introduction to **cloud computing**, its benefits, and the different **cloud deployment models: Public Cloud, Private Cloud, and Hybrid Cloud**. We were also introduced to **cloud service models**, namely **Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS)**, which helped us understand how cloud services are structured and delivered.

A significant portion of the workshop focused on **AWS core services**. We learned how to **create and manage EC2 instances**, **launch servers using MobaXterm**, and **store data in S3 Buckets**. The instructor also explained **Virtual Private Cloud (VPC)** concepts, including subnets, routing, and security configurations, which helped us understand how to design and manage cloud networks securely.



Finally, the workshop included a discussion on **AWS free-tier services**, which allowed us to practice creating and deploying resources without incurring costs. The hands-on demonstrations, coupled with the theoretical explanations, made the concepts easy to understand and highly practical.

Overall, the workshop was extremely informative and interactive. It enhanced our understanding of cloud computing, AWS services, deployment models, database management, and security. The knowledge gained will be highly useful for both academic projects and real-world cloud applications

### GLIMPSES OF THE EVENT



*18/10/2015*  
Event Coordinators

*Damodar*  
HoD

*Hemulidhekar*  
Principal