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A Report on Guest Lecture on
"Orientation to Amazon Web Services (AWS): Foundations of Cloud Computing"
Organized by Department of Computer Science and Technology
on 03.01.2026

Report Submitted by: Mr. V. Naveen, Assistant Professor, Departmental IRC Coordinator, Department of CST Resource Person Details: Mr. R. Balaji, AWS Certified Cloud & AI Practitioner, IV YEAR CST
Participants: 123 students from III Year CST Venue: CST Department Classroom
Mode f Conduct: Offline

Report Received on 10.01.2026.

The Department of Computer Science and Technology (CST) in association with Industry Relation Cell (IRC), MITS organized a Guest Lecture on "Orientation to Amazon Web Services (AWS): Foundations of Cloud Computing" on 03 January 2026, from 9:10 AM to 12:10 PM, at the CST Department. The program was conducted for the Third Year CST students with the objective of introducing them to industry-relevant cloud technologies and professional certification pathways.

The event was organized under the guidance of **Dr. K. Dinesh, Head of the Department (CST)**, who served as the **Convenor** for the program. The event coordination responsibilities were efficiently handled by **Mr. V. Naveen, Assistant Professor & IRC**, **CST department coordinator** who acted as the **Faculty Coordinator.**

Resource Person Profile

The session was handled by **Mr. R. Balaji**, an industry-certified professional with strong expertise in cloud and AI technologies. His credentials added significant value and authenticity to the program.

Certifications of the Resource Person:

- **AWS Certified Cloud Practitioner**

- **AWS Certified AI Practitioner**

These globally recognized AWS certifications demonstrated the resource person's practical knowledge and professional competence, serving as a strong inspiration for students aspiring to build careers in cloud computing and artificial intelligence.

During the session, students were introduced to the **core concepts of cloud computing**, including:

- Evolution of cloud technologies

- Types of cloud service models (IaaS, PaaS, SaaS)

- Key AWS services and their real-world applications

- Benefits of adopting cloud platforms in modern software development

The speaker emphasized the importance of cloud computing skills for students aspiring to build careers in **software development, data analytics, cybersecurity, and DevOps**. Practical insights into how AWS is used across industries were shared, which helped students understand real-time use cases and career opportunities.

Student Motivation and Impact

The presence of an **AWS Certified professional** as the resource person had a **strong motivational impact** on the students. Seeing a certified expert interact directly with them encouraged students to:

- Set clear career goals in cloud and AI domains.

- Start preparing for entry-level certifications such as **AWS Cloud Practitioner.**

- Understand the importance of continuous learning beyond the curriculum.

The interactive session included student queries related to certification cost, preparation duration, job prospects, and real-time industry expectations. The speaker actively encouraged students to aim for certifications during their academic tenure to improve employability and technical confidence.

Program Outcomes

- **Enhanced Understanding of Cloud Computing Fundamentals**

  Students gained a clear conceptual understanding of cloud computing principles, service models (IaaS, PaaS, SaaS), and deployment models, enabling them to relate theoretical knowledge with real-world cloud-based systems.

- **Increased Awareness of AWS and Its Ecosystem**

  Participants became familiar with the AWS ecosystem, including core services, global infrastructure, and real-time industry use cases. This awareness helped students understand how AWS supports scalable, secure, and cost-effective application development.

- **Motivation to Pursue AWS Certifications and Skill Credentials**

   Exposure to the resource person's professional AWS certifications motivated students to plan and initiate preparation for AWS certification pathways such as AWS Cloud Practitioner and AI Practitioner, recognizing their importance for career readiness and employability.

- **Improved Clarity on Career Opportunities in Emerging Technologies**

   Students gained insights into diverse career roles in Cloud Computing, Artificial Intelligence, DevOps, and related emerging technologies. The session helped students identify required skills, certification paths, and industry expectations for future job roles.

- **Encouragement for Continuous Learning and Professional Development**

   The lecture inspired students to engage in continuous upskilling through online platforms, hands-on practice, and certification-oriented learning beyond the academic curriculum.

- **Industry-Oriented Mindset Development**

   Interaction with an industry-certified professional helped students develop an industry-aligned mindset, understanding the importance of practical skills, certifications, and lifelong learning in a competitive technological landscape.

The event concluded by Mr. V. Naveen, AP/CST, IRC CST Department Coordinator by thanking the resource person Mr.R. Balaji for giving a brief interaction session, where students expressed their appreciation for the insightful lecture. Overall, the guest lecture was highly beneficial and met its objectives by enhancing students' technical awareness and motivating them to explore cloud computing technologies further.