A Report on 15 days Skill Development Program on "AWS – Amazon Web Services – Global Certificate Training Programme" Organized by Department of Computer Science & Engineering from 04.03.2026 to 18.03.2026

Report Submitted by: Dr. G. ArunKumar, Associate Professor, Department of Computer Science & Engineering
Resource Person Details: Mr. Karanam Guruteja, Sr. Technical Trainer, GUVI-HCL, Chennai.
Venue: Scaleup Room
Time: 09:00 AM to 04:00 PM
Mode of Conduct: Offline
Attendees Count: 32
Report Received on 31.03.2026.

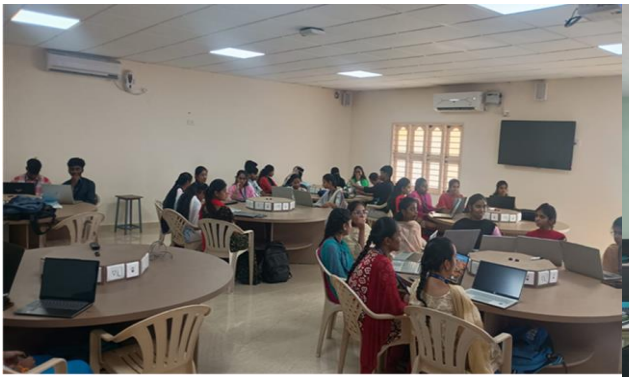
Resource Person Profile:

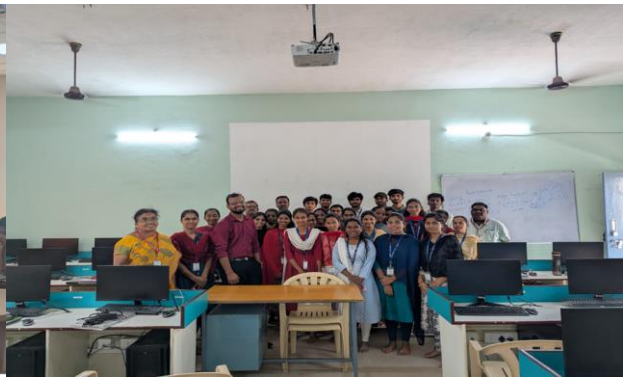
Mr. Karanam Guruteja is **a Senior Technical Trainer at GUVI–HCL**, Chennai, with over 15 years of experience in technical training and leadership development. He has extensive experience in delivering industry-oriented training programs for students, colleges, and corporate professionals. Mr. Guruteja has successfully trained more than 1.2 lakh students across 100+ colleges and universities, along with several corporate training programs. His expertise includes Cloud Computing, DevOps, Artificial Intelligence, Cybersecurity, and Database Technologies. With strong communication and training skills, he is committed to equipping learners with industry-relevant skills for career growth and placement success.

Inauguration Details

The 15-Day Skill Development Program on AWS commenced with a formal inauguration ceremony. The dignitaries invited to the dais included **Dr. R. Sudhakar, Associate Professor, CSE; Dr. G. ArunKumar, Associate Professor, CSE; Dr. M. Sreedevi, Professor and Head, CSE; Dr. P. Ramanathan, Principal**; and the **Resource Person, Mr. Karanam Guruteja, Senior Technical Trainer – GUVI-HCL**, Chennai.

The program began with the lighting of the lamp, followed by a prayer song invoking divine blessings. The welcome address was delivered by **Dr. R.sudhakar**, after which **Dr. M. Sreedevi** addressed the gathering and highlighted the importance of skill development in emerging technologies. The presidential address was delivered by **Dr. P. Ramanathan**, who encouraged students to utilize such training programs to enhance their technical competencies. Subsequently, the resource person was formally introduced, and the session was handed over to **Mr. Karanam Guruteja**, who commenced the technical session on the Skill Development Program on AWS.





Objectives of the Program

The major objectives of organizing this Skill Development Program were:

- To introduce students to the **fundamentals of cloud computing and AWS services**.
- To provide **hands-on training** on cloud infrastructure and service deployment.
- To prepare students for the **AWS Global Certification Examination**.
- To enhance **technical competency and industry readiness** among students.
- To create awareness about **cloud architecture, security, and best practices**.
- To strengthen students' profiles for **better career opportunities and placements**.

Training Modules Covered

The training program covered several important AWS concepts and services essential for beginners in cloud computing. Some of the key modules covered during the program include:

- Overview of Amazon Web Services (AWS)
- AWS Global Infrastructure and Architecture
- Identity and Access Management (IAM)
- Elastic Compute Cloud (EC2)
- Amazon Simple Storage Service (S3)
- Virtual Private Cloud (VPC)
- Database Services in AWS
- Cloud Security and Best Practices
- Deployment and Scaling Concepts

The programme was designed to bridge the gap between academic learning and industry requirements by equipping students with in-demand cloud skills through structured sessions, hands-on labs, and real-time applications.

Day 1–2: The programme commenced with an introduction to cloud computing concepts, including types of cloud models (Public, Private, Hybrid) and service models such as IaaS, PaaS, and SaaS. Students were introduced to AWS, its global infrastructure, and the significance of cloud technologies in modern IT industries.

Day 3–4: The sessions focused on AWS Identity and Access Management (IAM) and security fundamentals. Students learned how to create users, roles, and policies, ensuring secure access to AWS resources. Basic hands-on exercises were conducted to reinforce the concepts.

Day 5–6: Students explored core compute services, particularly Amazon EC2 (Elastic Compute Cloud). They learned how to launch, configure, and manage virtual servers, along with understanding instance types, key pairs, and security groups.

Day 7–8: The focus shifted to storage services such as Amazon S3 (Simple Storage Service) and EBS (Elastic Block Store). Students performed practical tasks like creating buckets, uploading data, and managing storage classes.

Day 9–10: Networking concepts in AWS were covered, including Virtual Private Cloud (VPC), subnets, routing tables, and internet gateways. Students gained hands-on experience in designing a basic cloud network architecture.

Day 11–12: Database services such as Amazon RDS (Relational Database Service) and DynamoDB were introduced. Students learned about database creation, configuration, and management in cloud environments.

Day 13: The session emphasized monitoring and management tools such as Amazon CloudWatch and AWS CloudTrail. Students understood how to track system performance and maintain logs for security and auditing purposes.

Day 14: Students were introduced to deployment and automation tools, including AWS Elastic Beanstalk and basic DevOps practices. They learned how to deploy simple applications in the cloud environment.

Day 15: The final day included a revision session, assessment, and project demonstration. Students showcased their understanding by implementing mini-projects based on AWS services. Feedback was collected, and guidance was provided for pursuing AWS certification.

Throughout the programme, expert sessions were delivered by industry professionals, including Mr. Karanam Guruteja from HCL Technologies and GUVI, Chennai. The training methodology combined theoretical knowledge with practical implementation, ensuring active student participation.

Benefits to Students

The AWS Global Certificate Training Program provided several benefits to the participants. Students gained exposure to **industry-relevant cloud technologies**, which are highly valued in the current IT job market.
Some of the key benefits include:

- Understanding of **modern cloud computing concepts**
- Exposure to **global industry standards** in cloud technologies
- Preparation for **AWS certification examinations**
- Enhancement of **technical and practical skills**
- Improved **career prospects and placement opportunities**

The training also encouraged students to explore **advanced cloud computing domains** such as cloud architecture, DevOps, and cloud security.

Program Outcomes (POs) Covered

- **PO1 – Engineering Knowledge:** Students applied computing and analytical knowledge to understand AI, digital platforms, and data-driven approaches in opportunity, training, and start-up decision-making.
- **PO3 – Design/Development of Solutions:** Students learned to design effective opportunity and training strategies for technology-based start-up challenges.
- **PO5 – Modern Tool Usage:** Participants were introduced to modern tools, AI-based analytics platforms, and digital technologies used in training and opportunity management.
- **PO8 – Individual and Team Work:** Group discussions and activities enhanced teamwork and individual problem-solving abilities.
- **PO9 – Communication:** The program improved students' communication skills through presentations and professional discussions.
- **PO11 – Life-Long Learning:** Exposure to current industry practices encouraged continuous learning and adaptability in evolving technological environments.

Valedictory Function

The Valedictory Ceremony of the 15-Day Skill Development Program on AWS, conducted from 04.03.2026 to 18.03.2026, was held with great enthusiasm marking the successful completion of the training program.

The dignitaries invited to the dais included **Dr. R. Sudhakar, Associate Professor, CSE; Dr. G. ArunKumar,** Associate Professor, CSE; **Dr. M. Sreedevi, Professor and Head, CSE**; **Dr. P. Ramanathan, Principal**; and the Resource Person, **Mr. Karanam Guruteja, Senior Technical Trainer – GUVI-HCL**, Chennai.

During the valedictory session, the dignitaries appreciated the active participation of the students throughout the program and highlighted the importance of cloud computing technologies in the current IT industry. They encouraged students to continue learning advanced technologies and utilize the knowledge gained from the training for their professional growth.

The resource person, **Mr. Karanam Guruteja**, shared his reflections on the program and appreciated the enthusiasm, dedication, and learning attitude of the participants during the 15-day training sessions.

The program concluded by a vote of thanks acknowledging the support of the management, resource person, faculty members, and participants for making the program a successful one.

Feedback Summary:

1. **Overall Quality of the Program** – Majority of students selected *Agree* and *Strongly Agree*.
2. **Clarity of Explanation by Trainer** – Very positive response indicating effective delivery.
3. **Usefulness of Hands-on Sessions** – Highly appreciated by students.
4. **Relevance to Industry Needs** – Most students agreed the program is industry relevant.
5. **Overall Satisfaction** – High satisfaction level among participants.