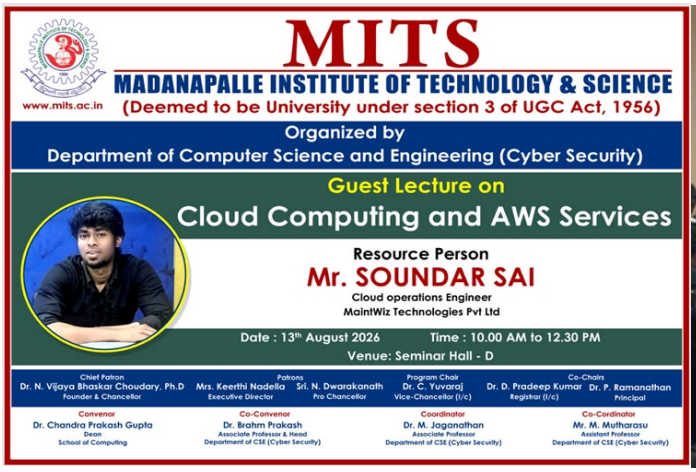
A Report on Guest Lecture on "Cloud Computing and AWS Services for B. Tech III Year students" Organized by Department of Computer Science and Engineering (Cyber Security) on 13.08.2026



Report submitted by: Dr. M. Jaganathan, Assoc. Prof. & Mr. M. Mutharasu, Assistant Professor, Department of CSE-Cyber Security.
Resource Person Details: Mr. Soundar Sai, Cloud Operations Manager, MaintWiz Technologies Pvt. Ltd., Bangalore.
Attendance: 211 Participants
Mode of Conduct: Online
Report Received on 15.08.2026.

Objectives of the Program:

The primary objective of the guest Lecture was to familiarize Third-year B.Tech (Cyber Security) students with the Cloud fundamentals, explore AWS global infrastructre and identify key AWS services. The program aimed to bridge the gap between academic learning and industry practices by providing students with insights into Learn definitions, deployment models (Public, Private, Hybrid), and service models like IaaS, PaaS, and SaaS. It also encouraged students to develop knowledge in Discover regions, availability zones and data center architecture.

Inaugural Session:

The guest lecture commenced with a warm welcome by **Dr. Brahm Prakash, Head of the Department of CSE (Cyber Security)**. In his inaugural address, he welcomed the distinguished dignitaries, resource person, faculty members, and students. He highlighted the importance of the guest lecture in familiarizing third-year students with the Cloud Computing and AWS servies. He also expressed his sincere gratitude to the Management, Hon'ble Vice-Chancellor, Registrar, Principal, Dean of the School of Computing, and faculty members for their continuous encouragement and support in organizing the program successfully.

Following this, **Dr. Chandra Prakash Gupta, Dean – School of Computing**, addressed the students and emphasized the vital need for students to learn directly from active industry experts. He reminds students of the massive global career opportunities in cloud computing and data architecture. Also, he encouraged students to actively engage, ask questions and leverage this networking opportunity. **Dr. Ramanathan, Principal**, motivated the students to make the best use of the opportunities provided by the institution and focus on academic excellence, innovation, discipline, and ethical values. He briefly discussed how cloud computing is transforming modern business, research and daily technology. His inspiring address urged the students to look beyond textbooks and view this session as a bridge to their future careers. The resource person, **Mr. Soundar Sai**, commenced the session by expressing his sincere gratitude to the participants, the organizing members, and the Management of MITS, Madanapalle, for providing him with this opportunity.

Key Highlights

- **The "Shift" from Hardware to Cloud:** Moving from expensive physical servers to flexible, on-demand virtual resources.
- **The Power of AWS Global Scale:** How AWS connects the world using vast regions and isolated availability zones.
- **Core Services in Action:** Real-world use cases for virtual servers (EC2), unlimited storage (S3), and managed databases (RDS).
- **The Shared Responsibility Model:** A clear breakdown of security duties, showing what AWS protects versus what the user must secure.
- **Cost Control and Elasticity:** How businesses save money by automatically scaling resources up or down based on live user traffic.
- **Industry Career Paths:** A roadmap of in-demand cloud roles, high-paying jobs, and the value of starting with the AWS Certified Cloud Practitioner exam.
- An interactive question-and-answer session enabled students to clarify their queries regarding AWS services.
- The program concluded with a vote of thanks, expressing gratitude to the resource person, management, faculty members, and students for making the induction program informative and inspiring.

Outcome of the Induction program:

At the end of the session, participants were able to:

- Define foundational cloud models (IaaS, PaaS, SaaS) and deployment strategies accurately.
- Differentiate between user and provider security duties using the Shared Responsibility Model.
- Evaluate how global infrastructure, auto-scaling and elasticity solve traditional IT infrastructure bottlenecks.
- Analyze how pay-as-you-go pricing optimizes IT budgets compared to traditional hardware.
- The outcomes of this guest lecture focus on equipping participants with foundational cloud knowledge, practical tool familiarity and a clear understanding of industry career paths.

The session concluded with a vote of thanks presented by Coordinator Dr. M. Jaganathan, Associate Professor in the Department of CSE (Cyber Security) at Madanapalle Institute of Technology & Science (Deemed to be University), Madanapalle.