

A Report on **Alumni Guest Lecture on "Secure Coding"**
Organized by Department of CSE (Cyber Security)
in association with MITS Alumni Welfare Association
on 12.10.2026



Report Submitted by: Mrs. A. Komala, Assistant Professor & Alumni Coordinator, Department of CSE (Cyber Security)

Resource Person Details: Mr. K. Poorna Chandra Reddy, SDE-2 at Q2, Bengaluru

Venue: Seminar Hall-B

Number of Student Participants: 129

Mode of Conduct: Offline

Report Received on 16.10.2026

The Department of CSE (Cyber Security), in association with MITS AWA, organized an Alumni Guest Lecture on “Secure Coding” on 12 October 2026 from 9:00 AM to 11:00 AM at the Seminar Hall-B. The programme aimed to create awareness among students about the importance of secure coding practices in software development and to bridge the gap between academic learning and industry requirements. A total of **129 students** attended the programme and actively participated in the session.

The programme commenced with the opening remarks by **Mrs. A. Komala, Alumni Coordinator, Department of CSE (Cyber Security)**, who welcomed the gathering and introduced the resource person. **Dr. Brahm Prakash, Head of the Department of CSE (Cyber Security)**, and **Prof. C. P. Gupta, Dean, School of Computing**, highlighted the importance of secure coding in developing secure and reliable software applications. **Dr. G. Naga Swetha, MITS Alumni Welfare Association (AWA) In-charge**, emphasized the significance of alumni interactions in providing students with industry exposure, career guidance, and practical insights. She also expressed her hope that many more such events would be organized in the future to strengthen alumni–student relationships and foster knowledge sharing.

The resource person, **Mr. K. Poorna Chandra Reddy, an alumnus of the 2015–2019 batch of CSE and currently working as an SDE-2 at Q2, Bengaluru**, shared his professional insights and industry experience with the students. His interaction provided an opportunity for students to connect with their alumnus, understand industry expectations, and gain practical perspectives on the role of secure coding in developing reliable and secure software applications.

The session covered important secure coding concepts through an engaging, comic-based presentation and illustrative scenarios. The presentation highlighted five key security vulnerabilities: **Security Misconfiguration, Broken Access Control, Cryptographic Failures, Injection Attacks, and Insecure Design**. These topics were explained using relatable examples to demonstrate how configuration errors, inadequate access restrictions, improper data protection, unsafe input handling, and weaknesses in application design can expose software systems to security threats.

The presentation also emphasized a practical learning approach through the sequence “**Guess – Try – Fix – Prove,**” encouraging students to identify vulnerabilities, explore their behaviour, implement appropriate fixes, and verify the effectiveness of the solutions. The use of visual illustrations and practical demonstrations made the concepts accessible and helped students understand the significance of incorporating security considerations throughout the software development process.

The programme successfully strengthened students’ awareness of secure coding principles and their relevance to real-world software development. It also promoted alumni–student interaction and provided valuable exposure to industry practices. The participation of 129 students reflected their interest in the topic. The Department of CSE (Cyber Security) expresses its appreciation to the resource person, the management, the organizing team, and MITS AWA for their support in conducting the programme successfully.