

Guest Lecture on Full Stack Development

The department of **ISE** organised a **Guest Lecture** titled **Full Stack Development** on **27-10-2025** at **9:30 am to 12:30 pm**, in **Seminar Hall 4**.

The Guest Lecture provided students with a comprehensive overview of modern web development practices essential in 2025. The session began with an introduction to browser rendering pipelines and the loading process of web pages, followed by an in-depth exploration of HTML5 semantic structuring, CSS3 layout techniques, and ES6+ JavaScript capabilities. The lecture also introduced minimalistic AI concepts in frontend development, showcasing how AI tools assist in design and code generation. The speaker engaged students through interactive discussions, making the session both informative and impactful.

Objectives of the Event

- To introduce students to the importance of modern web development and its evolving role in the tech industry in 2025.
- To provide a clear understanding of browser rendering pipelines and how web pages are processed and displayed.
- To introduce minimalistic AI concepts in frontend development, including AI-assisted design tools and intelligent code suggestions.
- To prepare students for real-world web development challenges by bridging theoretical knowledge with practical application.
- To inspire students to explore future trends in AI-enhanced web performance and full-stack development.

Event Overview

The session began at 9:30 am with a welcome address by Manoj Kumar, 7th semester ISE student, followed by an engaging session addressed by **Mr.Ravi Sasthri**. The presentation covered key areas such as Modern Web Development, Advanced CSS3 Techniques, and AI in Frontend Development. Participants showed keen interest, with active participation during interactive segments and Q&A rounds.

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Figure 1: Session on Full Stack Development

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Figure 2: Interaction with Students

Outcomes and Impact

- Students gained a solid understanding of modern web development principles relevant to 2025.
- Learners were able to apply advanced CSS3 techniques for responsive and optimised layouts.
- Exposure to AI-driven tools in frontend development broadened students' perspectives on future web technologies.

Conclusions

The Guest Lecture on Full Stack Development concluded with great success, offering students a well-rounded understanding of modern web technologies and their practical applications. The session not only enhanced technical skills but also inspired students to stay updated with evolving trends in web development. Overall, the event proved to be a valuable learning experience, equipping students with the knowledge and confidence to pursue full-stack development in academic and professional settings.

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