



INSIGHTS INTO FULL STACK DEVELOPMENT

01st May 2025 | 10:00 am to 12:40 pm

CSE Classroom AI063F04, Acharya Campus



About the Program

Attending a Full Stack Development workshop offers engineering students a valuable opportunity to gain practical, end-to-end development skills that are highly relevant in today's tech-driven world. By participating in this workshop, students will learn to design and build complete web applications covering everything from the user interface and front-end frameworks to server-side logic and database integration. This hands-on experience allows them to apply theoretical knowledge in real-world scenarios, enhancing their technical confidence and coding abilities.

The workshop introduces students to modern, in-demand technologies such as the MERN stack (MongoDB, Express.js, React, Node.js), which are commonly used in startups and large-scale applications. As a result, students become familiar with the tools and workflows used by professional developers, boosting their employability and opening doors to job roles such as web developer, software engineer, or junior full stack developer. Moreover, by working on real-time projects during the workshop, students build a portfolio-ready application that they can proudly showcase to potential employers.

Beyond technical skills, the workshop also helps improve communication and collaboration, as students learn to articulate their ideas, troubleshoot issues, and work in teams. They will receive a certificate of completion, adding value to their resumes and demonstrating their initiative to learn beyond the classroom. Overall, this experience lays a strong foundation for further exploration in areas such as DevOps, cloud platforms, and mobile development, empowering students to continue growing as well-rounded developers.

Objectives of the Program

- **Understand the components of full stack development:** Gain knowledge of both front-end and back-end technologies, including frameworks, databases, and server environments.
- **Build and deploy a complete web application:** Learn how to integrate client-side and server-side code to create, test, and deploy a fully functional application.
- **Learn to manage application state and user authentication:** Understand how to handle user sessions, manage data flow between client and server, and implement secure authentication mechanisms.

Expected Outcomes of the Program

- **Ability to develop end-to-end web applications:** Learners will be able to design, code, and deploy applications that include user interfaces, APIs, databases, and hosting.
- **Proficiency in using modern development tools and frameworks:** Learners will gain hands-on experience with tools like React, Node.js, Express, MongoDB, Git, and cloud platforms (e.g., Heroku, Vercel, or AWS).
- **Implement secure, user-friendly features in web apps:** Learners will be able to build applications with login systems, session management, and data validation, ensuring both usability and security.

Target Audience: 6th Semester students of CSE

Committee Members

ADVISORY COMMITTEE

- Dr.C K Marigowda, Principal, AIT
- Dr. Rajeswari, Dean-Academic, AIT

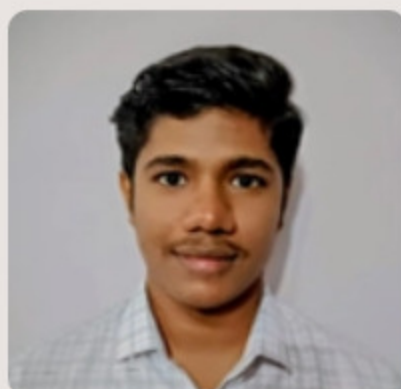
CONVENERS

- Prof. Rajeev Bilagi, HOD-CSE, AIT
- Dr. Prashanth K P, Alumni Coordinator, Acharya Institutes
- Dr. Sujatha B M, Professor, CSE and Alumni Coordinator, AIT

COORDINATORS

- Prof. Varalakshmi B D, 9035850089, varalakshmi@acharya.ac.in
- Prof. Vijayalakshmi S A, 9380073448, savijyalakshmi@acharya.ac.in

Resource Person Details



Mr. Narayana Murthy B

Designation : Software Development Engineer-I,
Surya Software Systems Pvt.Ltd.,



Ms. Maithry V Pappu

Designation : Assistant IT Engineer,
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LOCATE US

Event Coordinator

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Dept. of CSE, AIT