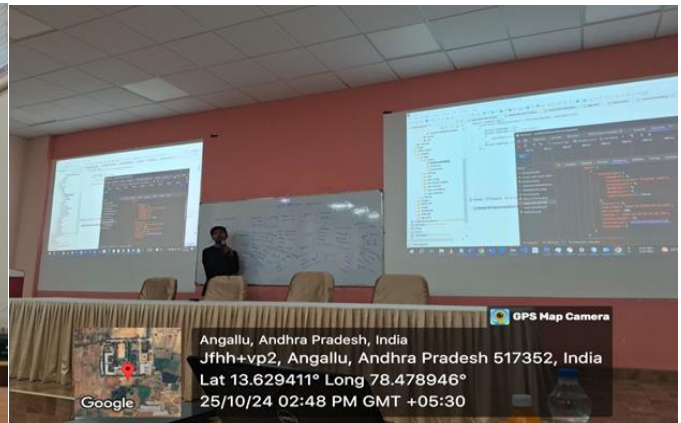


**A Report on Hands on Workshop “Full Stack Development”
Organized by Department of Computer Science & Engineering
in association with IEEE on 25.10.2024**



Report Submitted by: Mr. N. Ajaypradeep, Assistant Professor, Department of Computer Science & Engineering.

Resource Person Details: Mr. Jegan, Lead Software Engineer, Cognizant Limited, Chennai.

Mode of Conduct: Offline

Venue: Seminar Hall - A Time: 09:30 AM

Report Received on 07.11.2024

Event Overview:

Department of Computer Science & Engineering in association with IEEE have organized "A Hands on Workshop on "Full Stack Development". The objective of this event was to enhance students in concepts related to full stack development. The event was organized as part of the IEEE week celebrations.

Opening Remarks and Welcome Note:

The event began with the welcome address by Ms. Keerthana Evangelin, IEEE student member from the Department of CSE, who provided a brief overview of the event proceedings. She welcomed the dignitaries who graced the event. She welcomed the chief guest and briefed about the chief guest to the participants.



Society Declaration and Greeting Note:

Dr. P. Ramanathan, Vice Principal Academics of the institute delivered the greeting note and discussed various current trends and need for improvising the skills for getting better domain knowledge. Dr. M. Sreedevi, Head of the Department - Computer Science & Engineering delivered the greeting note. She encouraged the students to make utilize the opportunity to understand the key concepts in full stack development. Dr. C. Kumar, Assistant Professor, ECE and IEEE student branch counselor MITs, greeted the event proceedings and explained about various aspects describing the need of full stack development knowledge among the students.

Chief Guest Address:

Mr. Jegan, Lead Software Engineer, Cognizant Limited, Chennai delivered the Chief Guest Address. He explained the flow of the event plan and briefed the concept of Full Stack Development and its part in end-to-end development of web applications, covering both the front-end (the user interface) and the back-end (the server-side operations). He added its application in variety of programming languages, frameworks, and tools — ranging from HTML, CSS, and JavaScript to databases, APIs, and server management.

Outcomes of the Event:

1. Comprehensive Understanding of Full Stack Development

- Participants gained a holistic understanding of full stack development, covering both front-end (client-side) and back-end (server-side) development.
- They gained knowledge on integrating various technologies and tools to build end-to-end web applications.
- Participants became familiar with front-end frameworks (like React, Vue.js) and back-end technologies (such as Node.js).

2. Practical Hands-On Experience

- Participants gained hands-on experience in coding and building web applications from scratch.

3. Exposure to Key Web Development Technologies

- Front-End Technologies: HTML, CSS, JavaScript, and frameworks like React, Vue.js.
- Back-End Technologies: Node.js, Express.js, databases (MongoDB), RESTful APIs, and server-side logic.

4. Project Management and Agile Methodologies

- Exposure to basic project management techniques, including the use of tools like Jira, GitHub Projects, can help participants understand how to structure and manage development tasks effectively.
- Understanding of Agile methodologies and iterative development processes, which are essential in modern software development practices.

5. Career Readiness and Portfolio Building

- Participants gained industry-relevant skills that align with the expectations of employers in the tech industry, making them more job-ready.
- Participants gained insights into potential career paths and opportunities in web development, including roles like Full Stack Developer, Front-End Developer, Back-End Developer, and Web Application Developer.

Vote of Thanks:

As Concluding remarks Ms. Jhanavi Mutra, IEEE student member delivered the vote of thanks. She thanked the resource person for delivering the hands-on workshop. She also thanked the management and IEEE team for initiating the event. She also greeted the participants for taking part in the event actively.

