ST.XAVIER'SCOLLEGE, MAPUSA GOA

Report of Activity conducted in the Academic Year 2024-25

Name of Activity	Workshop : 'Introduction to Angular.JS'
Date/Duration	28th September 2024 / 2 ½ Hours
Venue	Computer Science Laboratory, St. Xavier's College
Name of organizing Department/Cell **In collaboration with**	Department of Computer Science
Name of Faculty Coordinator	Mr. Edwin D'Souza, Associate Professor, Department of Computer Science
Stratum of Event	Department Level
Name & details of Resource Person/s	Ms. Andrea Fernandes, Frontend Developer (MTS-3) at Broadcom, Bengluru. Almunus : B.Sc. Computer Science (2010)
Report	**Objectives:** • Enhance technical skills: To equip participants with foundational knowledge of AngularJS, a powerful JavaScript framework for building dynamic web applications. • Foster innovation: To inspire students to explore innovative web development techniques and approaches. • Industry relevance: To align the workshop with industry standards and best practices, thereby enhancing students' employability. • Research and development: To stimulate research interest in web development technologies and their applications. **Description:** A seasoned Front-End Developer the resource person provided a comprehensive introduction to AngularJS. The session covered the following key topics:

	- Core concepts of AngularJS: A deep dive into the fundamental building blocks of AngularJS, including modules, controllers, directives, and data binding. - Component-based architecture: Understanding the modular approach to building AngularJS applications, focusing on the creation and management of reusable components. - Data binding: Exploring the two-way data binding mechanism that simplifies data synchronization between the model and view layers. - Routing and navigation: Implementing seamless navigation within AngularJS applications using the routing module. - Dependency injection: Leveraging AngularJS's dependency injection system to manage and organize application dependencies. - Testing and debugging: Best practices for writing unit and end-to-end tests, as well as effective debugging techniques. **Outcomes:** The workshop successfully achieved its objectives by: - Skill enhancement: Participants gained a solid understanding of AngularJS concepts and practical skills to build robust web applications. - Innovation: The session sparked creativity and encouraged students to explore innovative solutions using AngularJS. - Industry relevance: The workshop aligned with industry trends and best practices, making participants more prepared for the job market. - Research and development: It fostered a research-oriented mindset, encouraging students to delve deeper into web development technologies. The workshop was well-received by the participants, who appreciated the practical demonstrations, hands-on exercises, and expert guidance provided by Ms. Andrea Fernandes. This initiative contributes to the college's commitment to providing quality education and fostering a culture of innovation and research. **No. of beneficiaries :** 26
Brochure/Poster	https://xavierscollegegoa.ac.in/wp-content/uploads/2024/11/Brochure-Andrea.pdf
Photographs	https://xavierscollegegoa.ac.in/wp-content/uploads/2024/11/Photos-Andrea.pdf
List of participants With signatures	https://xavierscollegegoa.ac.in/wp-content/uploads/2024/11/Participants-Andrea.pdf

Certificate	Not Issued