

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**Semester: VI****Year: 2025-2026**

Course Title	Full Stack Web Development		
Total Teaching Hours	30	Teaching Hours/Week	3
Internal Assessment Marks	05		
Course Plan Prepared by	Prof. Pranesh K	Date	20-01-2026

Course Content (Syllabus)

<p style="text-align: center;">MODULE-1</p> <p>Introduction: Full Stack Development: What Are Software Stacks, What Types of Stacks Exist, What Is a Full Stack Developer? Tools for Full Stack Developers.</p> <p>Making Web Pages Interactive with JavaScript: Variables, Constants, Data Types, and Operators, Using Control Structures, Functions and Error Handling</p>	10 Hrs
<p style="text-align: center;">MODULE-2</p> <p>Using Web APIs: Changing Web Pages Dynamically Using the DOM API, Loading Data Synchronously via Ajax and the Fetch API, Other Web APIs.</p>	10 Hrs
<p style="text-align: center;">MODULE-3</p> <p>Optimizing the Performance of Web Applications: What Should Be Optimized and Why?, How Can Performance Be Measured?, Which Tools Are Available for Measuring Performance?, Options for Optimization.</p>	10 Hrs

Staff Handling: Prof. Pranesh K
 Alumni: Mr. Vaibhav Padaki (2008 Passout)