

Course Code : DSE102/03
Course Title : Front End Web Development
Prerequisite(s) : None

Level : Degree
Credit hours : 3
Duration of course : 1 semester

Course Coordinator

Mr. Muhammad Norhadri Md Hilmi
MSc, USM

Learn the front end design and development tools and technologies (HTML, CSS, JavaScript, jQuery, jQueryUI, and Ajax) and develop the Rich Internet Application for the given project scenario through intensive training to prepare yourself for the Web Developer Job.

Learning Outcomes

1. Explain mark-up, styling, and scripting languages and it's applications to develop the web applications (C2, PLO1)
2. Analyse the wireframe and storyboard from user requirements. (C4, PLO2)
3. Construct Single Page Web Application using HTML, CSS, JavaScript, jQuery, jQueryUI, and Ajax (P5, PLO3)

Topics

1. Website Technologies and Tools
2. Website Design Overview
3. Apache and FTP Tools
4. Introduction to HTML and Web Browsers
5. Structuring and Styling with CSS
6. Working with CSS: An Example
7. Introduction to Javascript
8. Introduction to JQuery and JQueryUI
9. Introduction to Rich Internet Applications
10. Basic RIA using HTML, JQuery and Javascript
11. Testing Interactive Websites and Standards

Main Reference

Brown, E., 2016. Learning JavaScript add sparkle and life to your web pages. 3rd ed.
CA: O'Reilly Media, Inc.