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## **FACULTY OF ENGINEERING AND TECHNOLOGY**

### **FINAL ASSESSMENT FOR THE**

**BACHELOR OF SCIENCE (HONOURS) IN COMPUTER SCIENCE**

**BSC (HONS) INFORMATION TECHNOLOGY (COMPUTER NETWORKING  
AND SECURITY)**

**BACHELOR OF SCIENCE (HONOURS) IN INFORMATION TECHNOLOGY**

**BACHELOR OF SOFTWARE ENGINEERING (HONS)**

**BSC(HONOURS) IN BUSINESS STUDIES**

<b>ACADEMIC SESSION</b>	<b>: SEP 2025 SEMESTER</b>
<b>SUBJECT</b>	<b>: WEB1201 / WEB2014 WEB FUNDAMENTALS</b>
<b>RELEASE DATE</b>	<b>: 28 OCT 2025 12:00 PM</b>
<b>SUBMISSION DATE</b>	<b>: 30 DEC 2025 22:00 MYT</b>

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### **GROUP Assignment 50%**

#### **Assignment Question**

**WEB1201/WEB2014: Full-Stack Web Development and Documentation**

**Weightage:** 50%

**Submission Type:** Group (3-4 members)

**Question:** Based on the website design plan submitted in the first part of the group assignment, your team is required to completely develop and implement the proposed website using **HTML, CSS, and JavaScript ONLY**. The use of any external frameworks (CSS, JavaScript) or libraries is strictly prohibited. The final submission must demonstrate a comprehensive understanding of foundational web technologies, responsiveness, essential user interactivity, and professional documentation.

**Required Implementation:**

1. **Core Structure & Styling:** Develop all necessary HTML pages with appropriate structure, incorporating original CSS for a visually appealing and cohesive design (including colour, layout, and typography).
2. **Responsiveness and Compatibility:** The website must be fully responsive, ensuring optimal display and usability across various viewport sizes (mobile, tablet, desktop) and be cross-browser compatible.
3. **Essential User Functions:** Implement the following using **pure JavaScript** for interactivity:
  - A functional **Contact Form** with client-side validation (e.g., checking for empty fields, valid email format). Display errors clearly to the user.
  - A simulated **Sign-up and Log-in function** (you only need to show success/failure states, not backend integration).
  - Effective use of usability features (e.g., labels, links, navigation).
4. **Individual CV Page:** Each team member must create a dedicated, separate page within the website's structure (e.g., accessed via a link on the Team Page) that acts as their personal **professional CV or digital portfolio page**. This page must utilize **advanced HTML and CSS techniques** (e.g., Grid or Flexbox layout, custom typography, and professional styling) to present their qualifications, skills, and project contribution.
5. **Team Page:** Include a dedicated page introducing all team members, with their picture and a detailed description of their individual contribution to the project development.

**Required Deliverables:**

1. **Group Report (Max 20 pages):** A professional report detailing the project's introduction, design concept and rationale, a section on challenges and

solutions, and a comprehensive section on **Implementation and Results** (including screenshots of test cases and outcomes for all required functionalities, especially responsiveness and validation).

2. **Video Presentation (Max 10 minutes):** A video showcasing the layout under different viewport sizes and demonstrating that **all required JavaScript functionalities** (form validation, sign-up/log-in simulation) work as intended. The video must be uploaded to YouTube, and the privacy settings must be open to the public. Share the link in the report.
3. **Website Files:** A zipped file containing all the clean, well-organized HTML, CSS, and JavaScript source files.

**Marking Rubric (50% Total)**

<b>Component / Criteria</b>	<b>Sub-Criteria Focus</b>	<b>Excellent (8-10 points)</b>	<b>Weighting (Marks out of 100)</b>
<b>I. WEBSITE DEVELOPMENT (60%)</b>		<b>Exceptional implementation, mastery of concepts.</b>	<b>60 Marks</b>
<b>Design, Layout, &amp; Styling</b>	Visual appeal, consistency, and creative use of CSS/colour.	Exceptional, visually cohesive design that strongly supports the theme and target audience.	<b>10</b>
<b>Responsiveness &amp; Compatibility</b>	Scaling, cross-browser consistency, and optimal usability across all viewports.	Seamless adaptation, fully responsive, and compatible across various devices and browsers.	<b>15</b>
<b>Functionality (JS Implementation)</b>	Contact Form Validation, Sign-up/Log-in simulation, and interactive elements using pure JavaScript.	Advanced, flawless implementation of all required JavaScript functions, demonstrating mastery of programming concepts.	<b>15</b>
<b>Usability &amp; Structure (Including CV)</b>	Navigation, content organization, clean code, and <b>quality of individual CV pages.</b>	Excellent usability, intuitive navigation, clean code, and all CV pages demonstrate <b>professional-level design and layout.</b>	<b>20</b>
<b>II. GROUP REPORT &amp; VIDEO (40%)</b>		<b>Comprehensive documentation, clear presentation.</b>	<b>40 Marks</b>
<b>A. Group Report</b>			<b>25 Marks</b>
<b>Introduction &amp; Design Concept</b>	Clarity of objectives, scope, and well-justified design rationale.	Clear, concise introduction and comprehensive, well-justified design concept.	<b>10</b>
<b>Challenges &amp; Solutions</b>	Detailed description of obstacles and effective, well-thought-out resolutions.	Comprehensive discussion of challenges accompanied by effective, documented solutions.	<b>5</b>

<b>Implementation &amp; Results</b>	Comprehensive, well-documented test cases, explanations, and screenshots of outcomes.	Thorough, detailed, and clear documentation of testing for all features (including responsiveness and validation).	<b>10</b>
<b>B. Video Presentation</b>			<b>10 Marks</b>
<b>Visual &amp; Functional Demo</b>	Effectiveness in demonstrating layout adaptation (responsiveness) and all working JavaScript functionalities within the 5-minute limit.	Effectively demonstrates responsive design and all functionalities clearly and professionally.	<b>10</b>
<b>C. Submission Quality</b>	Language, formatting, and adherence to all submission guidelines.	Consistent formatting with no errors; articulate and professional tone.	<b>5</b>
<b>TOTAL MARKS</b>			<b>100 Marks</b>