


National Institute of Business Management School of Computing and Engineering Course work Assessment Announcement Sheet					
Course Name		Diploma in Software Engineering			
Batch		24.1 FT/CO			
Learning Outcomes Covered (Mention according to the Module Descriptor)		1. Describe the usage of web components (UI) and how to achieve better user experience (UX) with HTML & CSS.			
		2. Apply Client-Side Programming (JS & jQuery)			
		3. Apply Software Architecture Techniques and database connections (PHP with MVC)			
		4. Apply in Front-end and Backend Development Techniques. (Bootstrap, React, Laravel, CodeIgniter) and Content Management Systems (CMS)			
Assessment CW No		01			
Assessment Mode		Individual Group		Group (if it is group mode only)	
				Group Size	Grouping Criteria
				5	Attached is the group formation document.
Assessment Type		Practical Test Report Software Presentation VIVA MCQ			
		If other specify			
Hand in Date Time		22/1/2025			
Hand out Date Time		06/2/2025 Submission on or before 8.30 am / Viva start from 8.30 a.m.			
Submission Details (Format and Location)		A take home assessment. The web application should be in GitHub and the GitHub linked should be uploaded to the LMS. A viva session will be conducted from 8.30 am to 3.00 pm on 6 th February 2025.			
Plagiarism Acceptance Level		N/A			
Assessment CW Description					
<p>The primary objective of this assessment is to evaluate students’ ability to design, develop, and deploy a functional web application using PHP, MySQL, and a chosen PHP framework.</p> <p>The students should select a domain with a problem to develop a web application.</p> <p>Requirements:</p> <p>Functional Requirements</p> <ul style="list-style-type: none">• Implement user authentication (such as registration, login and etc.).• Create a dashboard where authenticated users can manage their tasks.• Implement CRUD operations (Create, Read /Select, Update, Delete) for a specific entity within the application.• Implement data validation and error handling to ensure data integrity and application robustness.• Integrate with MySQL database to store and retrieve application data efficiently.					

Technical Requirements:

- Use PHP as the primary server-side scripting language.
- Page Requirements: Each group member must contribute one main webpage. For example, if the group has 5 members, the project must include 5 main webpages, excluding login/registration/ CRUD operation pages.
- Utilize a MySQL database to store persistent data.
- Choose and incorporate a PHP framework (e.g., Laravel, CodeIgniter) to streamline development and enhance application structure or else use a frontend framework (e.g; Bootstrap)
- Implement responsive design principles for all the frontend pages excluding CURD operation pages.

Design and User Experience:

- Design a clean and intuitive user interface for the application.
- Ensure consistent and user-friendly navigation throughout the application.
- Implement feedback mechanisms (e.g., success/error messages, notifications) to enhance user experience.

Deployment:

- Deploy the web application on a free web server or cloud platform of your choice.

Marking Rubric

Marking Scheme (Value 50% of the module grade) Please also see the guidance notes.					
	Functionality (20%)	Technical Implementation (10%)	Design and User Experience (10%)	Deployment (5%)	Viva(5%)
0% - 39%	Limited Functionality (1 - 2)	Lack of understanding about technical implementation and framework	Limited understanding and knowledge design principles and user experience	No deployment	Poor understandability and knowledge about design and implementation
40% - 49%	Limited Functionality (3-4)	Reasonable knowledge and understanding about technical implementation and framework	Average understanding and knowledge about design principles and user experience	No correct deployment	Average understandability and knowledge about design and implementation
50% - 59%	Fair number of functionalities (5-7)	Good knowledge and understanding about technical implementation and framework.	Good understanding and knowledge about design principles and user experience	Tryout for a deployment	Good understandability and knowledge about design and implementation

60% - 69%	Good (8-10 functionalities)	Very good knowledge and understanding about technical implementation and framework	Very good understanding and knowledge about design principles and user experience	Acceptable deployment	Very good understandability and knowledge about design and implementation
70% +	Excellent (10+ functionalities)	Excellent knowledge and understanding about technical implementation and framework	Excellent understanding and knowledge about design principles and user experience	Deployment Completed	Excellent understandability and knowledge about design and implementation