24.3 Batch – Web based application Development Module

Final Project Assignment Instructions: Web Application Development Project

Title: Designing and Developing a Web Application to Sell Small Business Products Targeted at NSBM Students and Staff

Type: Team Assignment
Technology Stack:

- **Frontend:** HTML, CSS, JavaScript (or frameworks like Bootstrap / Material UI)
- **Backend:** PHP (mandatory to use)
- **Database:** MySQL (mandatory to use)

Scenario:

Your team is expected to create a simple web-based platform to sell your small business products specifically targeting NSBM students and staff. For example, if your team is skilled in painting, you can create a web application to sell your artwork.

Project Requirements:

1. **Product Selection:**
   o Decide on a suitable product or service (e.g., paintings, handmade crafts, digital art, baked goods, etc.) that is appropriate and appealing for NSBM students and staff.
2. **Two Interfaces:**
   o **Admin Side:**
      ▪ Admin (your team) can log in and manage products (e.g., paintings).
      ▪ Perform CRUD operations: Add, Edit, View, and Delete product listings.
   o **Customer Side:**
      ▪ Customers (students or staff) can browse products by categories.
      ▪ View product details.
      ▪ "Purchase" (or simulate purchase) functionality is required.
3. **Functional Requirements:**
   o Use **basic CRUD operations** throughout the system.
   o Design a **user-friendly UI** for both Admin and Customer interfaces.
   o Ensure **database integration and backend functionality** using PHP and MySQL.

Deliverables:

1. **Project Report (PDF or Word format):**
   - Title of the project
   - Team Leader's name and contact details
   - Names and roles of group members
   - Summary of your web application
   - Screenshots of key features (Admin & Customer sides)
   - **Drive link** to the project source code (ensure access is enabled)
   - **Drive link** to a video demonstration of the project
2. **Project Source Code:**
   - Upload the complete project folder to Google Drive
   - Share the **Drive link** in your report with public access (anyone with the link can view)
3. **Video Demonstration:**
   - A **single screen-recorded video** showing all key functionalities
   - Include **voice explanations** from each team member explaining their contributions
   - Upload the video to the same Google Drive folder and include the link in your report
4. **Submission:**
   - Only the **team leader** (or one assigned group member) should upload the final report to the LMS or email platform provided.

Evaluation Criteria:

Criteria	Marks Allocation
UI Design and Frontend	20%
Backend and Database Integration	20%
Admin Panel Functionality	15%
Customer Panel Functionality	15%
Report, Screenshots & Drive Links	15%
Video Demonstration & Teamwork	15%

Deadline:

Tentative date: 20th August 2025

If you have any questions, feel free to reach out during working hours or via email. Good luck and enjoy building your creative web application!