DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Web Technologies (CIE 356T)

ASSIGNMENT -3

Total Marks: 20   *(Last Date of Submission: 12th April 2025)*

CASE STUDY: Developing an Online Event Registration System Using PHP

Scenario: MAIT is hosting its annual **Tech Fest – T&M** and aims to streamline the event registration process by shifting from traditional paper-based registrations to a **web-based system**. This system will enable students to register online for various events, receive instant confirmation, and track their registration status. Additionally, session management will be implemented, allowing students to revisit the platform and view their registration details at any time.

Tasks:

T1: Setting Up the Server and PHP Environment
- Install **XAMPP or WAMP** to set up a **local server**.
- Create a root directory (e.g., event_registration/) to store PHP files.
- Write a simple **PHP script** to check if the server is running correctly.

T2: Developing the Event Registration Form (PHP & HTML)
- Create an **HTML form** with the following fields: **Full Name** (text field), **Email** (email input), **Phone Number** (number input), **Event Selection** (dropdown menu), **Age Group** (radio buttons), **Additional Notes** (textarea), **Submit Button**
- Use **PHP to process form data** and display a confirmation message after submission.
- Store form data in an **array** and display it dynamically.

T3: Implementing Decision and Looping Structures in PHP
- Use **if-else statements** to check: If all required fields are filled & If the user is **eligible** for the selected event (e.g., age restrictions).
- Use **loops** to display a list of available events dynamically from an array.

Task 4: Managing User Data with Sessions and Cookies
- **Set up sessions** to store the user's registration details.
- Use **cookies** to remember user preferences (e.g., selected event, email).
- Display a **personalized message** if the user revisits the site.

Task 5: File Handling in PHP
- Save the **registration details** in a text file or database.
- Read the saved data and display a list of registered participants.

Task 6: Browser Control & Detection
- Detect the user's browser using PHP and display a customized message.

Deliverables:

1. **PHP Code Files** – Complete working project files.
2. **Screenshots** – Showing successful form submission and session tracking.
3. **Report** – Explaining the functionality of each feature implemented.

Expected Outcome:

By completing this assignment, students will gain hands-on experience with **server-side programming, PHP syntax, form handling, session management, and file operations**, which are essential skills for web development.