

	PART-2. ASP.NET
1	<p>The Faculty Profile Management System is a web-based application designed to streamline the process of recording and managing academic and professional details of faculty members in an educational institution. The system provides an intuitive user interface where users can input, review, and maintain essential profile information in a structured format. All modules of the application are integrated within a consistent layout to simulate a real-world enterprise system. The solution ensures form validation, secure access, automated identifier generation, and smooth navigation across different functional pages. Designed to operate entirely without database dependency, this system leverages memory-based data</p> <p>4 1</p> <p>handling and logical structures to simulate record storage and access behavior effectively.</p> <p>I: Faculty Profile Form</p> <p>Design and implement an interactive form that captures essential details about faculty members for institutional records.</p> <p>Fields to Capture:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Full Name <input type="checkbox"/> Employee ID (Auto-generated) <input type="checkbox"/> Department <input type="checkbox"/> Highest Qualification <input type="checkbox"/> Specialization <input type="checkbox"/> Experience (in years) <input type="checkbox"/> Email ID <input type="checkbox"/> Mobile Number <p>II: Master Page Integration</p> <p>Ensure a consistent, professional, and navigable layout across all system pages using a master page structure.</p> <p>Implementation:</p> <ul style="list-style-type: none"> <input type="checkbox"/> A single Master Page will be created to define a uniform layout for the application. <input type="checkbox"/> The layout will include: <ul style="list-style-type: none"> o A header with the institute's logo and title o A navigation menu for module switching (e.g., profile entry, list view, logout) o A footer with dynamic content such as the current year and contact details o A welcome banner displaying the logged-in user's name <input type="checkbox"/> The master page will dynamically highlight the active page in the navigation menu for improved user guidance. <input type="checkbox"/> Session validation will be integrated to restrict access to authenticated users only. Unauthorized users will be redirected to the login page.

- ❑ A ContentPlaceholder will be used to inject page-specific content without altering the master layout, promoting code reuse and consistency.

Session-Based Simulated Login

Implement a basic login mechanism that controls access to the system and simulates role-based authorization without requiring a database.

Implementation:

- ❑ A dedicated login page will allow users to enter a predefined username and password combination to gain access.
- ❑ Authentication will be based on hardcoded credentials, simulating a basic admin login experience.
- ❑ Upon successful authentication, the user's identity will be stored in a session variable and made available throughout the system.
- ❑ If authentication fails, users will receive an appropriate message prompting them to retry.
- ❑ A logout option will be available, which clears the session and redirects the user to the login page, ensuring proper session handling and security.

The screenshot displays the 'Faculty Profile Management System' web application. At the top, a blue header bar contains the text 'Institute Logo - Faculty Profile Management System' and a 'Welcome, Admin' message. Below the header, a navigation bar includes links for 'Profile Entry', 'List View', and 'Logout'. The main content area features a 'Faculty Profile Form (by 23DCE004)' with the following fields: 'Full Name', 'Employee ID' (pre-filled with 'EMP0005072710026'), 'Department', 'Highest Qualification', 'Specialization', 'Experience (years)', 'Email ID', and 'Mobile Number'. A 'Submit' button is located at the bottom of the form. The footer of the page shows the copyright notice '© 2021 Institute Name. Contact: info@institute.com'.

Login

Username

Password

Login

Faculty List (Session Data)

FullName	EmployeeID	Department	Qualification	Specialization	Experience	Email	Mobile
deep patel	EMP20250727150826	depstar	btech	ce	4	deep212636@gmail.com	999999999
klr	EMP20250727151438	ce	b.tech	ce	10	hello@gmail.com	123456789