

Module End Lab Exam

Course Name: PG – DAC
Module Name: Web Programming Technologies
Max. Marks: 40

Batch : Aug 2024
Date: 05 / 10/ 2024
Duration : 02:00 Hours

Instructions :

1. Create **new workspace (folder)** by the name **WPT_12 digit PRN** in your home directory.
2. Create new Project and save it in above folder.
3. After evaluation, first compress/zip your folder (named WPT_12 digit PRN) and upload it on EMIS.

Sr. No.	Points to cover	Max Marks	Marks by Evaluator
1.	HTML and CSS	10	
2.	Validations	10	
3.	Display of Module's as per Course	5	
4.	Node Application	15	
		Total: 40	_____

Signature of Student

Signature of Evaluator

Question:

Q1. Create a Student Registration Form with the following requirements.

The form should contain the following fields: Name, Email, Phone Number, Course (dropdown), and Module (dropdown).

1) When the Course is selected, the Module dropdown should update dynamically based on the selected course

If "DAC" is selected, the modules should be WPT, Java, and DBT.

If "DMC" is selected, the modules should be Android, Hybrid, and DBMS.

2) Ensure proper validation for all fields.

3) Name should be at least 3 characters.

4) Email must be in a valid format.

5) Phone number must be exactly 10 digits.

6) Course and Module must be selected.

7) If any field is empty or invalid, display an error message in red below the corresponding input field upon successful submission.

Below is the sample screenshot of form

The screenshot shows a web form titled "Student Registration". It contains five input fields: Name, Email, Phone Number, Course (dropdown), and Module (dropdown). Each field has a placeholder text and a red error message below it. The Name field has the error "Name is required.". The Email field has the error "Email is required.". The Phone Number field has the error "Phone number is required.". The Course dropdown has the error "Please select a course.". The Module dropdown has the error "Please select a module.". At the bottom of the form is a blue button labeled "Register".

Student Registration

Name:
Enter your full name
Name is required.

Email:
Enter your email
Email is required.

Phone Number:
Enter your phone number
Phone number is required.

Course:
Choose a course
Please select a course.

Module:
Choose a module
Please select a module.

Register

Q2. Design a Node.js application using Express or http to insert data into the salespeople table in a MySQL sales database. Use the appropriate HTTP request method to handle the insertion and display a confirmation message in the console as well as on browser upon successful insertion.