

**Course Name:** PG – DAC **Batch :** Aug 2024  
**Module Name:** Web Programming Technologies **Date:** 05 / 10/ 2024  
**Max. Marks:** 40 **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	15	
3.	Node Application	15	
		<b>Total: 40</b>	_____

\_\_\_\_\_  
Signature of Student

\_\_\_\_\_  
Signature of Evaluator

**Question:****Q1.** Design a Registration form for Students.**(15 marks)**

Use below field's in Registration Form

Name, Email, Password, Courses: DAC, DBDA, DITTIS, DMC (radio buttons),

Qualification (dropdown), phone number, Accept Terms (check box).

Provide validations for all fields.

1. Make the form attractive using CSS.
2. Add a Phone Number field with proper validation (e.g., 10 digits).
3. Use jQuery to validate the Email field with a regular expression, ensuring it's in a valid format.
4. Use jQuery to check if the Password is at least 6 characters long.
5. Add validation to check for empty fields (Name, Email, Password, Course) using jQuery.
6. Add a checkbox for Terms and Conditions and ensure it's required before submission.
7. Display error messages clearly and highlight invalid fields using jQuery.
8. Course and qualification selection is mandatory.
9. Add a set of radio buttons for course selection (DAC, DBDA, DMC) along with a validation to ensure it's required.
10. Use jQuery to reset (clear all fields) the form after a successful submission.

Below is the sample screenshot of form for reference.

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**Registration Form**

**Name:**  Name is required.

**Email:**  Email must be required.

**Password:**  Password must be required.

**COURSE:** ☐ DAC ☐ DBDA ☐ DITTIS ☐ DMC Course must be selected.

**Qualification:**  Qualification must be selected.

**Phone Number:**  Phone number must be exactly 10 digits.

**Accept Terms:** ☐ You must accept the terms and conditions.

**Q2.** Design a Node.js application using Express or http and MySQL to retrieve data from the salespeople table in a MySQL sales database. Use the appropriate HTTP request method to fetch the data and display it in the console and as well as on browser.