**Objective:** Introduction to PHP (Starting to script on server side, Arrays, function, validations) [Server-side validations for Registration and Login of semester project website]

# Code :-

<?php

function validateInput($data) {

$data = trim($data); // Remove leading/trailing whitespace

$data = stripslashes($data); // Remove backslashes

$data = htmlspecialchars($data); // Convert special characters to HTML entities

return $data;

}

if ($\_SERVER["REQUEST\_METHOD"] == "POST" && isset($\_POST["login\_submit"])) {

$username = validateInput($\_POST["username"]);

$password = validateInput($\_POST["password"]);

if (empty($username) || empty($password)) {

$login\_error = "Username and password are required";

}

}

if ($\_SERVER["REQUEST\_METHOD"] == "POST" && isset($\_POST["register\_submit"])) {

$full\_name = validateInput($\_POST["full\_name"]);

$institute\_email = validateInput($\_POST["institute\_email"]);

$personal\_email = validateInput($\_POST["personal\_email"]);

$phone\_number = validateInput($\_POST["phone\_number"]);

$department = validateInput($\_POST["department"]);

$batch\_year = validateInput($\_POST["batch\_year"]);

$enrollment\_no = validateInput($\_POST["enrollment\_no"]);

if (empty($full\_name) || empty($institute\_email) || empty($personal\_email) || empty($phone\_number) || empty($department) || empty($batch\_year) || empty($enrollment\_no)) {

$registration\_error = "All fields are required";

}

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Log In - CP Club ICT MU</title>

<link rel="stylesheet" href="../css/login.css">

</head>

<body>

<div class="wrapper">

<div class="form-box login">

<h2>Log In</h2>

<form action="#" method="post">

<div class="input-box">

<input type="text" name="username" id="username">

<label for="username">User Name</label>

<i class='bx bxs-user'></i>

</div>

<div class="input-box">

<input type="password" name="password" id="password">

<label for="password">Password</label>

<i class='bx bxs-lock'></i>

</div>

<button class="btn" type="submit" name="login\_submit">

Log In

</button>

<div class="logreg-link">

<p>Don't Have An Account ? <a href="#" class="register-link">Sign Up</a></p>

</div>

<?php

// Display login error message if exists

if (isset($login\_error)) {

echo "<div class='error'>$login\_error</div>";

}

?>

</form>

</div>

</div>

<div class="container">

<header>Registration</header>

<form action="#" method="post">

<div class="form first">

<div class="details personal">

<span class="title">Personal Details</span>

<div class="fields">

<div class="input-field">

<label for="full\_name">Full Name</label>

<input type="text" id="full\_name" name="full\_name" placeholder="Enter your name">

</div>

<div class="input-field">

<label for="institute\_email">Institute Email</label>

<input type="email" id="institute\_email" name="institute\_email" placeholder="Enter your institute email">

</div>

<div class="input-field">

<label for="personal\_email">Personal Mail</label>

<input type="email" id="personal\_email" name="personal\_email" placeholder="Enter your personal email">

</div>

<div class="input-field">

<label for="phone\_number">Phone Number</label>

<input type="tel" id="phone\_number" name="phone\_number" placeholder="Enter your phone number">

</div>

<div class="input-field">

<label for="department">Department</label>

<select id="department" name="department" required>

<option disabled selected>Select department</option>

<option value="CE-AI">CE-AI</option>

<option value="ICT">ICT</option>

<option value="CE">CE</option>

<option value="BIO INFORMATICS">BIO INFORMATICS</option>

<option value="IT">IT</option>

<option value="BCA">BCA</option>

<option value="MCA">MCA</option>

</select>

</div>

<div class="input-field">

<label for="batch\_year">Batch Year</label>

<input type="number" id="batch\_year" name="batch\_year" placeholder="Enter your batch year">

</div>

<div class="input-field">

<label for="enrollment\_no">Enrollment No</label>

<input type="text" id="enrollment\_no" name="enrollment\_no" placeholder="Enter your enrollment number">

</div>

</div>

</div>

</div>

<div class="buttons">

<button class="register" type="submit" name="register\_submit">

<span class="btnText">Register</span>

<i class="uil uil-navigator"></i>

</button>

<button class="alreadyRegistered">

<span class="btnText">Already Registered</span>

<i class="uil uil-navigator"></i>

</button>

</div>

<?php

// Display registration error message if exists

if (isset($registration\_error)) {

echo "<div class='error'>$registration\_error</div>";

}

?>

</form>

</div>

<script src="../js/login.js"></script>

</body>

</html>

Output:



