**Design and develop a responsive website to prepare one semester result of VIT students using JavaScript, PHP and MySQL. Take any four subjects with MSE Marks (30%) ESE Marks (70%).**

**home.php**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

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

<title>Result Assignment</title>

<style> body {

background-color: #f9f9f9; font-family: Arial, sans-serif;

}

.container { margin: 50px auto; max-width: 500px; padding: 20px; background-color: #fff; box-shadow: 0px 0px 10px rgba(0,0,0,0.1); border-radius: 10px;

}

h1 {

text-align: center; color: #444; margin-top: 0; margin-bottom: 30px;

}

form {

display: flex; flex-direction: column;

}

label {

margin-bottom: 10px; color: #444; font-weight: bold; letter-spacing: 1px;

}

input[type="text"] { padding: 15px; font-size: 16px; border: none; border-radius: 5px; margin-bottom: 25px; background-color: #f5f5f5; box-shadow: inset 0 1px 3px rgba(0,0,0,0.1);

}

input[type="submit"] {

background-color: white; border: 1px solid blueviolet; padding: 15px 30px; font-size: 16px; border-radius: 5px; cursor: pointer; color: blueviolet; text-transform: uppercase; letter-spacing: 1px;

}

input[type="submit"]:hover {

background-color: blueviolet; color:white;

}

</style>

</head>

<body>

<div class="container">

<h1>Result Generator</h1>

<form method="post" onsubmit="return formValidation()">

<label>Enter your PRN Number:</label>

<input type="text" name="prnno" id="prnno" required>

<input type="submit" name="OK" value="Submit"> </form>

<?php

if(isset($\_POST['OK'])){

$prnno = $\_POST['prnno'];

header("Location:generate.php?prnno=$prnno"); exit();

}

?>

</div>

<script> function formValidation() { var prnno = document.getElementById("prnno").value; if (!/^\d{8}$/.test(prnno)) { alert("Please enter a valid PRN number with 8 digits"); return false;

}

return true;

}

</script>

</body> </html>

**generate.php**

<!DOCTYPE html>

<html>

<head>

<title>Marksheet</title>

<link rel="stylesheet" href="style.css">

</head>

<body>

<img align="right" src="logo.jpg" width="110" height="110" />

<center><h1>Provisional Marksheet</h1>

<p>Bansilal Ramnath Agarwal Charitable Trust's<br>

<b>Vishwakarma Institute of Technology, Pune</b><br>(An Autonomous

Institute affiliated to Savitribai Phule Pune University)</center>

</p>

<hr>

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "college";

$conn = mysqli\_connect($servername, $username, $password, $dbname);

if (!$conn) {

die("Connection failed: " . mysqli\_connect\_error());

}

if(isset($\_GET['prnno'])) {

$prnno = $\_GET['prnno'];

$sql = "SELECT \* FROM result WHERE prn = '$prnno'";

$result = mysqli\_query($conn, $sql);

if (mysqli\_num\_rows($result) > 0) {

while($row = mysqli\_fetch\_assoc($result)) {

$rollno=$row['roll\_no'];

$name = $row['name'];

$mothersname = $row['mother\_name'];

$branch = $row['branch'];

$class = $row['class'];

$year = $row['year\_of\_exam'];

$semester = $row['semester']; $wt\_mse = $row['wt\_mse'];

$daa\_mse = $row['daa\_mse'];

$cd\_mse = $row['cd\_mse'];

$cc\_mse = $row['cc\_mse'];

$wt\_ese = $row['wt\_ese'];

$daa\_ese = $row['daa\_ese'];

$cd\_ese = $row['cd\_ese'];

$cc\_ese = $row['cc\_ese'];

$total\_mse = $wt\_mse + $daa\_mse + $cd\_mse + $cc\_mse;

$total\_ese = $wt\_ese + $daa\_ese + $cd\_ese + $cc\_ese;

$total\_marks = (($total\_mse \* 0.3) + ($total\_ese \* 0.7));

$percentage = (($total\_marks / 400) \* 100); $sgpa =(($percentage+7.5) / 10);

if($sgpa >= 10) {

$sgpa=10;

$grade = 'A+';

} elseif($sgpa >= 9) {

$grade = 'A';

} elseif($sgpa >= 8) { $grade = 'B+';

} elseif($sgpa >= 7) {

$grade = 'B';

} elseif($sgpa >= 6) {

$grade = 'C+';

} elseif($sgpa >= 5) { $grade = 'C';

} elseif($sgpa >= 4) {

$grade = 'D';

} else {

$grade = 'F';

}

}

}

else {

exit("No results found for PRN number $prnno");

}

}

?>

<div class="mark-sheet">

<h2 style = "text-align:center;">Result</h2>

<div class="details">

<div class="detail">

<span>Roll No.:</span>

<span><?php echo $rollno?></span>

</div>

<div class="detail">

<span>PRN:</span>

<span><?php echo $prnno ?></span>

</div>

<div class="detail">

<span>Name:</span>

<span><?php echo $name ?></span>

</div>

<div class="detail">

<span>Mother's Name:</span>

<span><?php echo $mothersname ?></span>

</div>

<div class="detail">

<span>Branch:</span>

<span><?php echo $branch ?></span>

</div>

<div class="detail">

<span>Class:</span>

<span><?php echo $class ?></span>

</div>

<div class="detail">

<span>Year of Exam:</span>

<span><?php echo $year ?></span>

</div>

<div class="detail">

<span>Semester:</span>

<span><?php echo $semester ?></span>

</div>

</div>

<table>

<tr>

<th>Subject</th>

<th>MSE</th>

<th>ESE</th>

</tr>

<tr>

<th class = "subjects">WT</th>

<td><?php echo $wt\_mse ?></td>

<td><?php echo $wt\_ese ?></td>

</tr>

<tr>

<th class = "subjects">DAA</th>

<td><?php echo $daa\_mse ?></td>

<td><?php echo $daa\_ese ?></td>

</tr>

<tr>

<th class = "subjects">CD</th>

<td><?php echo $cd\_mse ?></td>

<td><?php echo $cd\_ese ?></td>

</tr>

<tr>

<th class = "subjects">CC</th>

<td><?php echo $cc\_mse ?></td>

<td><?php echo $cc\_ese ?></td>

</tr>

<tr>

<th class = "subjects">Total</th>

<td><?php echo $total\_mse ?></td>

<td><?php echo $total\_ese ?></td>

</tr>

</table>

<h3 style = "text-align:center;"> Total Percentage: <?php echo $percentage ?></h3>

<h3 style = "text-align:center;"> SGPA: <?php echo $sgpa ?></h3>

<h3 style = "text-align:center;"> Grade: <?php echo $grade ?></h3>

<h3>Grade Points:</h3>

<div class="grades">

<p>

A+ : (Excellent / Outstanding): 10 <br>

B+ : (Good): 8 <br>

C+ : (Above Average): 6 <br>

D : (Below Average): 4 <br>

XX : (Detained): 0 <br>

P : (Audit Course Passed): 0 <br>

</p>

<p>

1. : (Very Good): 9 <br>
2. : (Fair): 7 <br>
3. : (Average): 5 <br>

F : (Fail): 0 <br>

II : (Absent): 0 <br>

NP : (Audit Course Not Passed): 0

</p>

</div>

<div class="coe">

<img class="coe\_sign" src="sign.jpg">

</div>

<h3 class="coe">Controller of Examinations</h3>

</body>

</body> </html>

# style.css

.mark-sheet { background-color: #f2f2f2; padding: 20px; margin: 20px; border-radius: 5px; border: 2px solid black;

}

.details { display: flex; flex-direction: row; justify-content: space-between; flex-wrap: wrap; margin: 20px 0;

}

.detail {

display: flex; flex-direction: column; margin-bottom: 10px;

}

.detail span:first-child { font-weight: bold; margin-bottom: 5px; color: blue;

}

table {

width: 50%; margin: 0 auto; border-collapse: collapse; font-family: Arial, sans-serif; background-color: #fff; box-shadow: 0px 0px 5px 0px rgba(0,0,0,0.2); border-radius: 10px; overflow: hidden;

}

table th, table td { padding: 10px; text-align: center; border: 1px solid blue;

}

table th { background-color: #2a52be; color: #fff;

}

tr:nth-child(even) {

background-color: #f2f2f2;

}

tr:hover {

background-color: #ddd;

}

th:first-child, td:first-child {

border-left: none;

}

th:last-child, td:last-child {

border-right: none;

}

.subjects{ background-color: white; color: #2a52be;

}

.grades{ display:flex; justify-content:space-around; padding:0px200px0px10px;

}

.coe{ justify-content:end; display:flex;

}

.coe\_sign{ height: 15%; width: 15%;

}

**Output:**

