# **Vision**

* Produce globally employable Computer Engineers having core values and aptitude to innovate.

# **Mission**

* Revise curricula regularly to incorporate relevant technology advances while also maintaining strong emphasis on fundamentals.
* Deliver quality technical education by regularly reforming policies,  systems and processes at all levels.
* Promote innovative and best practices at all levels and create an environment in which research and partnerships with industries flourish.
* Imbibe core values.
* Foster faculty and staff members to meet challenges.

# **Program Educational Objectives**

1. Make technical contribution to the design, development, and production of computing systems.
2. Engage in lifelong learning with leadership qualities, professional ethics, and soft skills.
3. Adapt state of the art development in the field of computer engineering.

# **Program Outcomes**

* Immediately after completing the bachelor degree in Computer Engineering from BVM Engineering College, our student will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/Development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

# **Program Specific Outcomes (PSOs)**

1. Develop computer engineering solutions for specific needs in different domains applying the knowledge in the areas of programming, algorithms, hardware-interface, system software, computer graphics, web design, networking, and advanced computing.
2. Analyze and test computer software designed for diverse needs.
3. Pursue higher education.

# **Course Outcomes(COs)**

* After successful completion of the course, the students will be able to:
* Understand the concepts of WWW including web protocols and web browser architecture.
* Develop the static web pages using the HTML and CSS with different layouts as per need of applications.
* Construct and validate semi-structured database.
* Develop client side scripting using JavaScript and AngularJS.
* Develop dynamic web pages using server side scripting language such as a PHP with database connectivity.
* Develop real world applications.

# **Experiment 1**

* Develop static web page of resume using html tags:
* Code:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Chirag Rathod Resume</title>

</head>

<body bgcolor="#f0f0f0" text="#333333">

<h1 align="center">Chirag Rathod</h1>

<p style="text-align: center;">

<img src="Chirag.jpg" alt="" width="150" align="center">

</p>

<h3 align="center">

<i>Software Engineer</i>

</h3>

<hr>

<h2>Profile Info</h2>

<p>

Hello, I'm CHIRAG RATHOD. I'm software developer. I believe i am a very ambitious person who loves to work on

developing the websites and software. Versatile software engineer skilled in designing and implementing robust

solutions for complex challenges.

</p>

<hr>

<h2>Education</h2>

<p>

<ol type="A">

<li>

<ul>

<u>

<li>2019-2020</li>

<li>SSC Board(10th Class)</li>

</u>

<li>BAPS SVM, Bakrol</li>

<li>GSEB Percentile : 98.52</li>

</pre>

</ul>

</li>

<br>

<li>

<ul>

<li><u>2021-2022</u></li>

<li><u>HSC Board (12th Class)</u></li>

<li>BAPS SVM,Bakrol</li>

<li>GSEB Percentile : 98.7</li>

</ul>

</li>

<br>

<li>

<ul>

<li><u>2022-2026</u></li>

<li>BTech in Computer Engineering</li>

<li>Birla Vishwakarma Mahavidyalaya, Anand</li>

</ul>

</li>

</ol>

</p>

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<h2>Certificate</h2>

<p>

<ul>

<li>

Fundamental Of Digital Marketing

<ul>

<li><del>Issued on : March 2023</del></li>

<li>Issued by

<a href="https://wwww.google.com">Google Learn Digital</a>

</li>

<li><ins>Cerdential ID : ZU2 J4G 589</ins></li>

</ul>

</li>

<li>

Cyber Security Internship Online

<ul>

<li>

6 Weeks cyber Security Internship in collaboration with AICTE and Edunet Foundation !

</li>

<li>

Enhanced my skills in ethical hacking, netwrok security, and incident responce.

</li>

</ul>

</li>

</ul>

</p>

<hr>

<h2>My Skills & Expertise</h2>

<p>

<ul>

<li>

Programming Language :

<pre><b>Java</b>,<em>JavaScript</em>, <strong>Python</strong></pre>

</li>

<li> Web Technologies : <small>HTML, CSS, React</small></li>

<li>Algorithm and Data Structure</li>

<li>Cyber Security</li>

<li>Code review</li>

</ul>

</p>

<hr>

<h2>Relevant Course</h2>

<p>

<ol>

<li>Programming with C</li>

<li>Object Oriented with C++</li>

<li>Object Oriented with Java</li>

<li>Programming with Python</li>

</ol>

</p>

<hr>

<h2>Contact</h2>

<p>

<ul>

<li>

<span>

Phone :

</span>

<a href="tel : +91 9558161280">

+91 9558161280

</a>

</li>

<li>

<span> Email : </span><a href="mailto:chiragrathod9987@gmail.com">

chiragrathod9987@gmail.com</a>

</li>

<li> <span>Linkedin : </span><a href="https://www.linkedin.com/in/chiragrathod25" target="\_blank">linkedin.com/chiragrathod25</a>

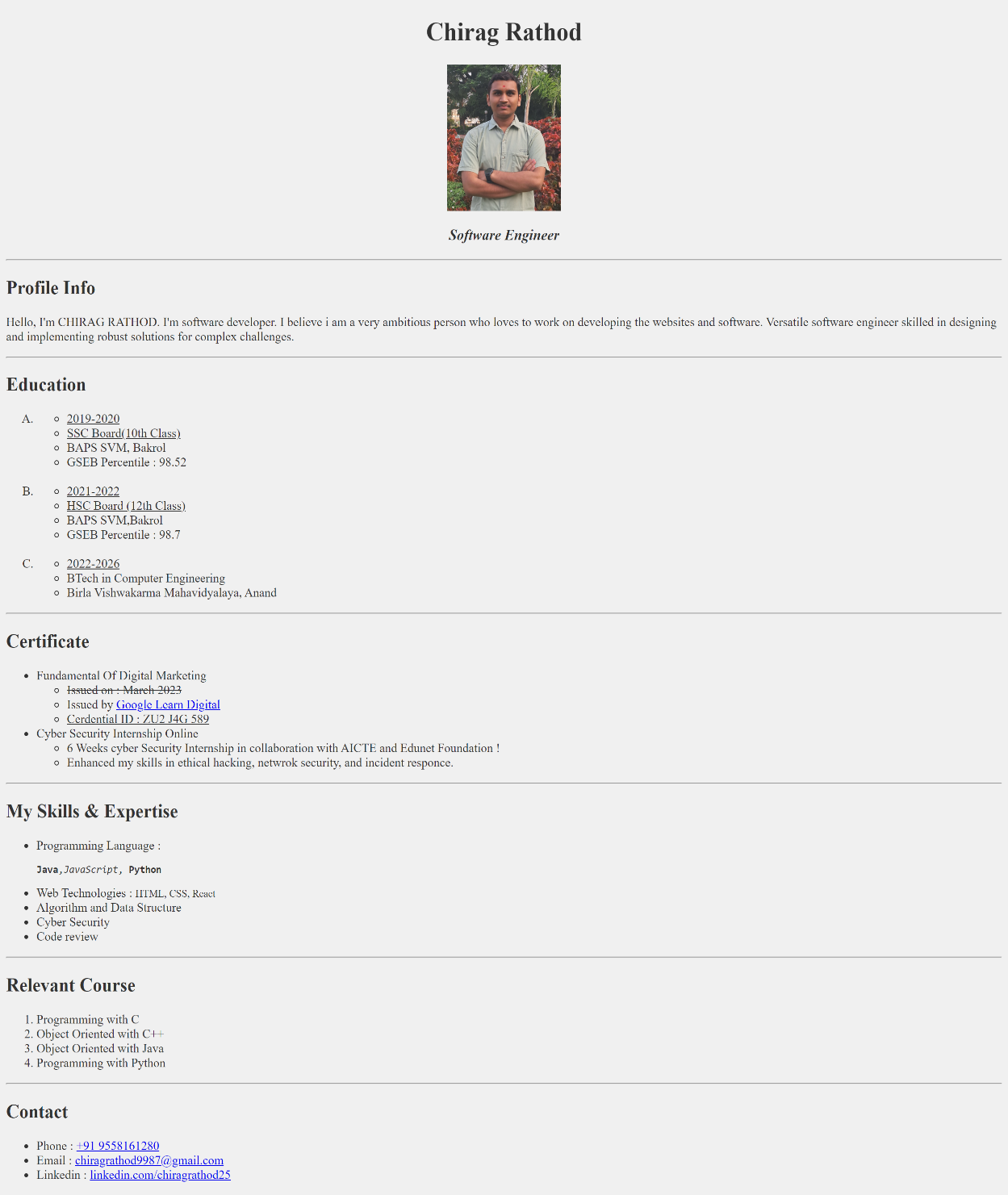
</li>

</ul>

</p>

</body>

</html>

* Output:  
  

*Figure 1 Resume*

# **Experiment 2**

* Develop static web page of irregular tables using the HTML Tags
* Code :

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Table designing</title>

</head>

<body>

<table border="1" cellspacing="3" cellpadding="5">

<tr>

<th rowspan="2" colspan="2">

Today's Opinion Poll Question

</th>

<th colspan="3">

Political Party

</th>

</tr>

<tr>

<th>Democrat</th>

<th>Republican</th>

<th>Independent</th>

</tr>

<tr>

<th rowspan="3" width="150" height="150">

Do you favor or oppose increasing the minimum wage?

</th>

<th>Favor</th>

<th>70%</th>

<th>35%</th>

<th>55%</th>

</tr>

<tr>

<th>Oppose</th>

<th>25%</th>

<th>60%</th>

<th>30%</th>

</tr>

<tr>

<th>Unsure</th>

<th>5%</th>

<th>5%</th>

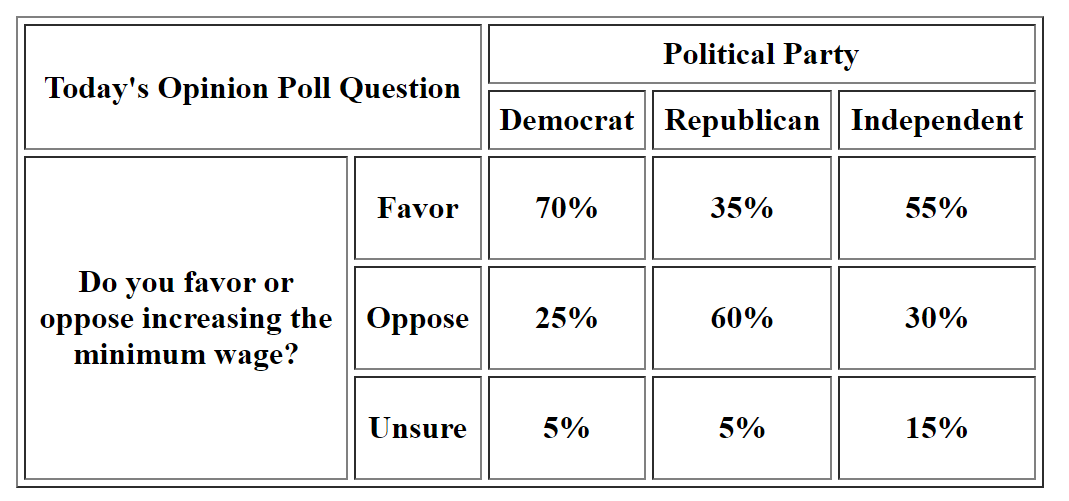
<th>15%</th>

</tr>

</table>

</body>

</html>

* Output: 

*Table 1 HTML Table*

* Develop static web page of Registration form using Following HTML tags:
* Code:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Registration</title>

</head>

<style>

th{

text-align: left;

padding: 3px;

}

#header{

text-align: center;

}

</style>

<body>

<form action="">

<table border="2"

width="50%" align="center">

<tr >

<th colspan="2" id="header"><h2>SEM 4 Registration Form</h2></th>

</tr>

<tr>

<th width="40%" ><label for="Academic">Select Academic Year : </label></th>

<th>

<select name="Academic" id="Academic">

<option value="2022-2023">2022-2023</option>

<option value="2023-2024">2023-2024</option>

</select>

</th>

</tr>

<tr>

<th width="40%" ><label for="semesterType">Semester Type </label></th>

<th>

<select name="semesterType" id="semesterType">

<option value="ODD">ODD</option>

<option value="EVEN">EVEN</option>

</select>

</th>

</tr>

<tr>

<th width="40%" ><label for="semester">Select Semester</label></th>

<th>

<select name="semester" id="semester">

<option value="1">1</option>

<option value="2">2</option>

<option value="3">3</option>

<option value="4" selected>4</option>

<option value="5">5</option>

<option value="6">6</option>

<option value="7">7</option>

<option value="8">8</option>

</select>

</th>

</tr>

<tr>

<th width="40%" ><label for="StartDate">Start Date </label></th>

<th>

<input type="date" name="StartDate" id="StartDate">

</th>

</tr>

<tr>

<th width="40%" ><label for="ID">ID</label></th>

<th>

<input type="text" name="ID" id="ID" placeholder="Enter your ID ">

</th>

</tr>

<tr>

<th width="40%" ><label for="Password">Password </label></th>

<th><input type="password" name="Password" id="Password" placeholder="Enter your Password"></th>

</tr>

<tr>

<th width="40%" ><label for="Name">Name </label></th>

<th><input type="text" name="Name" id="Name" placeholder="Enter your Name"></th>

</tr>

<tr>

<th width="40%" ><label for="Gender">Gender </label></th>

<th>

<input type="radio" id="Male" name="Gender" value="Male">

<label for="Male">Male</label>

<input type="radio" id="female" name="Gender" value="female">

<label for="female">Female</label>

</th>

</tr>

<tr>

<th width="40%" ><label for="Address">Address </label></th>

<th><textarea name="Address" id="Address" cols="30" rows="3"></textarea></th>

</tr>

<tr>

<th width="40%" ><label for="Subject">Subject </label></th>

<th>

<input type="checkbox" name="DSA" id="DSA">

<label for="DSA">Data Structure</label>

<br>

<input type="checkbox" name="WEB" id="WEB">

<label for="WEB">Web Technologies</label>

<br>

<input type="checkbox" name="Maths" id="Maths">

<label for="Maths">Maths</label>

<br>

<input type="checkbox" name="Science" id="Science">

<label for="Science">Science</label>

<br>

</th>

</tr>

<tr>

<th width="40%" ><label for="fees">Fees </label></th>

<th><input type="text" name="fees" id="fees" placeholder="50/-"></th>

</tr>

<tr>

<th width="40%" ><label for="reset">Reset Form </label></th>

<th><input type="reset"></th>

</tr>

<tr>

<th width="40%" ><label for="submit">Submit </label></th>

<th><input type="submit"></th>

</tr>

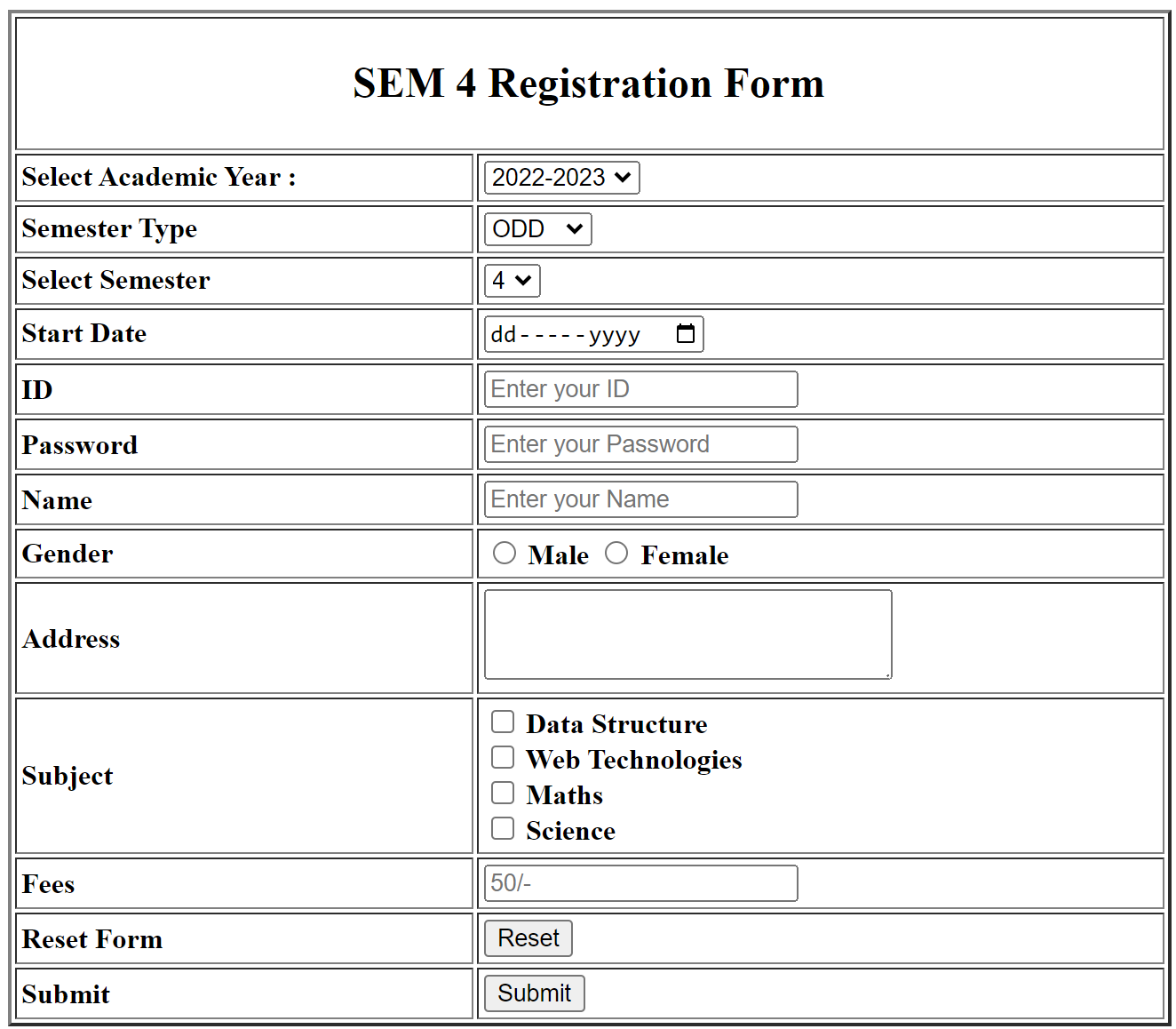
</table>

</form>

</body>

</html>

* Outcome:



*Figure 2 Registration Form*