

Practical 2:

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Design and develop a website using toggleable or dynamic tabs or pills with bootstrap and JQuery to show the relevance of SDP, EDI, DT and Course projects in VIT.

Program:

```
<!DOCTYPE html>

<html>

<head>

  <title>Piyush Ghadge | SDE & Cybersecurity Enthusiast</title>

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhY6hW+ALEwIH"
crossorigin="anonymous">

  <link rel="preconnect" href="https://fonts.googleapis.com">

  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

  <link
href="https://fonts.googleapis.com/css2?family=Archivo+Narrow&family=Julius+Sans+One
&family=Open+Sans&family=Source+Sans+Pro&display=swap" rel="stylesheet">

  <style>

    body {

      font-family: 'Open Sans', sans-serif;

      background-color: #f8f9fa;

      color: #343a40;

    }

    .nav-pills .nav-link {

      border-radius: 50px;
```

```
margin: 0 5px;
}
.nav-pills .nav-link.active {
background-color: #007bff;
}
.tab-content {
padding: 20px;
border: 1px solid #dee2e6;
border-top: none;
background-color: #ffffff;
border-radius: 0 0 10px 10px;
}
.tab-pane h5 {
font-family: 'Julius Sans One', sans-serif;
color: #007bff;
margin-top: 20px;
cursor: pointer;
transition: all 0.5s ease;
}
.tab-pane p {
margin-bottom: 10px;
}
.tab-pane ul {
list-style-type: none;
padding-left: 0;
}
.tab-pane ul li {
margin-bottom: 5px;
}
.header {
```

```
text-align: center;
padding: 20px;
background-color: white;
color: white;
margin-bottom: 20px;
border-radius: 10px;
}
.header img {
width: 50%;
height: 50%;
border-radius: 10px;
}
.header h1 {
font-family: 'Julius Sans One', sans-serif;
margin-top: 10px;
}
</style>
</head>
<body>
<div class="container">
<div class="header">

</div>
<ul class="nav nav-pills mb-3 justify-content-center" id="pills-tab" role="tablist">
<li class="nav-item" role="presentation">
<button class="nav-link active" id="pills-home-tab" data-bs-toggle="pill" data-bs-target="#pills-home" type="button" role="tab" aria-controls="pills-home" aria-selected="true">Home</button>
</li>
<li class="nav-item" role="presentation">
```

```
<button class="nav-link" id="pills-CN-tab" data-bs-toggle="pill" data-bs-target="#pills-CN" type="button" role="tab" aria-controls="pills-CN" aria-selected="false">CN</button>
</li>
<li class="nav-item" role="presentation">
  <button class="nav-link" id="pills-SDAM-tab" data-bs-toggle="pill" data-bs-target="#pills-SDAM" type="button" role="tab" aria-controls="pills-SDAM" aria-selected="false">SDAM</button>
</li>
<li class="nav-item" role="presentation">
  <button class="nav-link" id="pills-WT-tab" data-bs-toggle="pill" data-bs-target="#pills-WT" type="button" role="tab" aria-controls="pills-WT" aria-selected="false">WT</button>
</li>
<li class="nav-item" role="presentation">
  <button class="nav-link" id="pills-DAA-tab" data-bs-toggle="pill" data-bs-target="#pills-DAA" type="button" role="tab" aria-controls="pills-DAA" aria-selected="false">DAA</button>
</li>
<li class="nav-item" role="presentation">
  <button class="nav-link" id="pills-EDI-tab" data-bs-toggle="pill" data-bs-target="#pills-EDI" type="button" role="tab" aria-controls="pills-EDI" aria-selected="false">EDI</button>
</li>
<li class="nav-item" role="presentation">
  <button class="nav-link" id="pills-DT-tab" data-bs-toggle="pill" data-bs-target="#pills-DT" type="button" role="tab" aria-controls="pills-DT" aria-selected="false">DT</button>
</li>
</ul>
<div class="tab-content" id="pills-tabContent">
  <div class="tab-pane fade show active" id="pills-home" role="tabpanel" aria-labelledby="pills-home-tab" tabindex="0">
    <h5>Welcome to VIT</h5>
    <p>Explore the various courses offered and dive deep into the world of technology.</p>
    <p>These courses collectively cover critical areas of computer science and engineering, ensuring a well-rounded education.</p>
```

By offering courses that span fundamental theories to practical applications, VIT prepares students to meet the demands of the technology industry.

<p>The inclusion of design thinking and innovation courses helps students develop interdisciplinary skills, combining technical expertise with creativity and research capabilities.</p>

</div>

<div class="tab-pane fade" id="pills-CN" role="tabpanel" aria-labelledby="pills-CN-tab" tabindex="0">

<h5>Computer Networks (CS3052)</h5>

<p>Faculty: M. L. Dhore</p>

Unit-I: Data Communication, Networking Fundamentals, Physical Layer

Unit-II: Logical Link Control

Unit-III: Medium Access Control

Unit-IV: Network Layer

Unit-V: Transport Layer

Unit-VI: Application Layer

</div>

<div class="tab-pane fade" id="pills-SDAM" role="tabpanel" aria-labelledby="pills-SDAM-tab" tabindex="0">

<h5>Software Modelling and Design (CS3061)</h5>

<p>Faculty: S. T. Patil</p>

Unit-I: Software Engineering Paradigms

Unit-II: Requirements Engineering

Unit-III: Agile Methodology

Unit-IV: Static and Dynamic Interaction Modeling

Unit-V: Software Architecture Design

Unit-VI: Design Patterns

</div>

```
<div class="tab-pane fade" id="pills-WT" role="tabpanel" aria-labelledby="pills-WT-tab" tabindex="0">
```

```
<h5>Web Technology (CS3251)</h5>
```

```
<p><strong>Faculty:</strong> S. A. Phatangare</p>
```

```
<ul>
```

```
<li>Unit-I: Front End Tools</li>
```

```
<li>Unit-II: Client-Side Technologies</li>
```

```
<li>Unit-III: Server-Side Technologies</li>
```

```
<li>Unit-IV: Spring Boot</li>
```

```
<li>Unit-V: React</li>
```

```
<li>Unit-VI: Node JS</li>
```

```
</ul>
```

```
</div>
```

```
<div class="tab-pane fade" id="pills-DAA" role="tabpanel" aria-labelledby="pills-DAA-tab" tabindex="0">
```

```
<h5>Design and Analysis of Algorithms (CS3205)</h5>
```

```
<p><strong>Faculty:</strong> P. S. Joglekar</p>
```

```
<ul>
```

```
<li>Unit-I: Basic introduction and time and space complexity analysis</li>
```

```
<li>Unit-II: Divide and Conquer</li>
```

```
<li>Unit-III: Dynamic Programming</li>
```

```
<li>Unit-IV: Greedy and Backtracking strategy</li>
```

```
<li>Unit-V: Introduction to complexity classes and NP-completeness</li>
```

```
<li>Unit-VI: Introduction to Randomized and Approximation algorithms</li>
```

```
</ul>
```

```
</div>
```

```
<div class="tab-pane fade" id="pills-EDI" role="tabpanel" aria-labelledby="pills-EDI-tab" tabindex="0">
```

```
<h5>Engineering Design and Innovation – 3 (CS3060)</h5>
```

```
<p><strong>Faculty:</strong> D. Jadhav</p>
```

```
<ul>
```

I: Selection of Project/Problem

II: Teacher's role in PCL

III: Student's role in PCL

IV: Developing Inquiry Skills

V: Literature survey - to avoid reinvention of wheel

VI: Use of research methodology

</div>

<div class="tab-pane fade" id="pills-DT" role="tabpanel" aria-labelledby="pills-DT-tab" tabindex="0">

<h5>Design Thinking-5 (CS3059)</h5>

<p>Faculty: S. G. Lade</p>

Section-I: What is research? Importance of Paper Publication and Patents

Section-II: Structure of The paper, Journal List (Top 50 Journals)

</div>

</div>

</div>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

<script>

\$(document).ready(function(){

\$('#pills-tab button').click(function() {

var targetPane = \$(\$\$(this).attr('data-bs-target'));

targetPane.find('h5').addClass('animate__animated animate__fadeInUp');

});

});

</script>

```
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/4.1.1/animate.min.css">
</body>
</html>
```

Output:

1. Home tab



2. Computer Networks tab



3. Software Design and Modelling tab



The screenshot displays the website of Vishwakarma Institute of Technology, Pune. The header features the institute's logo and name. The navigation menu includes links for Home, CN, SDAM (selected), WT, DAA, EDI, and DT. The main content area is titled "SOFTWARE MODELLING AND DESIGN (CS3061)" and lists the faculty as S. T. Patil. Below this, six units are listed: Unit-I: Software Engineering Paradigms, Unit-II: Requirements Engineering, Unit-III: Agile Methodology, Unit-IV: Static and Dynamic Interaction Modeling, Unit-V: Software Architecture Design, and Unit-VI: Design Patterns.

VISHWAKARMA INSTITUTE OF TECHNOLOGY, PUNE

Home CN **SDAM** WT DAA EDI DT

SOFTWARE MODELLING AND DESIGN (CS3061)

Faculty: S. T. Patil

Unit-I: Software Engineering Paradigms

Unit-II: Requirements Engineering

Unit-III: Agile Methodology

Unit-IV: Static and Dynamic Interaction Modeling

Unit-V: Software Architecture Design

Unit-VI: Design Patterns

4. Web Technology tab



The screenshot displays the website of Vishwakarma Institute of Technology, Pune. The header features the institute's logo and name. The navigation menu includes links for Home, CN, SDAM, WT (selected), DAA, EDI, and DT. The main content area is titled "WEB TECHNOLOGY (CS3251)" and lists the faculty as S. A. Phatangare. Below this, six units are listed: Unit-I: Front End Tools, Unit-II: Client-Side Technologies, Unit-III: Server-Side Technologies, Unit-IV: Spring Boot, Unit-V: React, and Unit-VI: Node JS.

VISHWAKARMA INSTITUTE OF TECHNOLOGY, PUNE

Home CN SDAM **WT** DAA EDI DT

WEB TECHNOLOGY (CS3251)

Faculty: S. A. Phatangare

Unit-I: Front End Tools

Unit-II: Client-Side Technologies

Unit-III: Server-Side Technologies

Unit-IV: Spring Boot

Unit-V: React

Unit-VI: Node JS

5. Design and Analysis of Algorithm tab



VISHWAKARMA INSTITUTE OF TECHNOLOGY, PUNE

Home CN SDAM WT **DAA** EDI DT

DESIGN AND ANALYSIS OF ALGORITHMS (CS3205)

Faculty: P. S. Joglekar

Unit-I: Basic introduction and time and space complexity analysis

Unit-II: Divide and Conquer

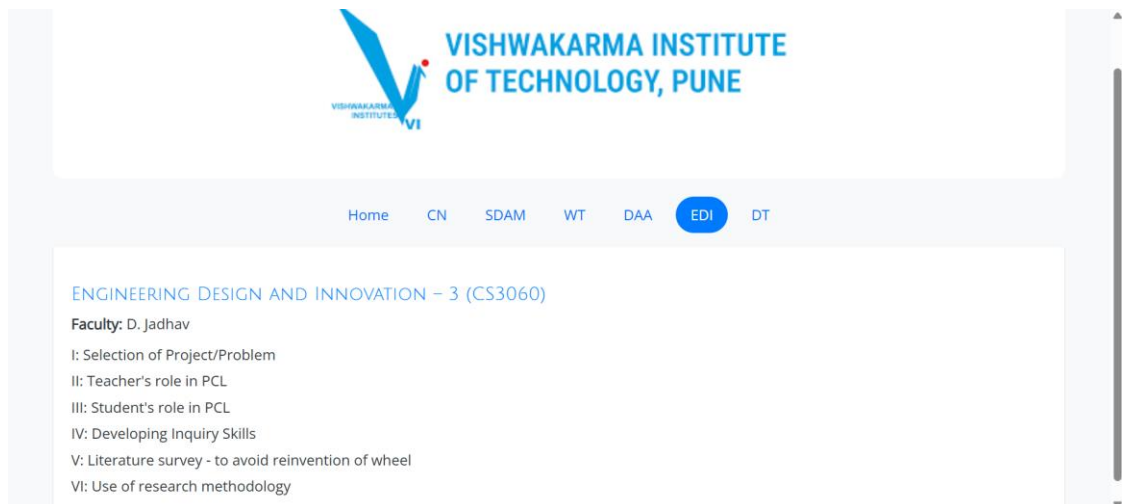
Unit-III: Dynamic Programming

Unit-IV: Greedy and Backtracking strategy

Unit-V: Introduction to complexity classes and NP-completeness

Unit-VI: Introduction to Randomized and Approximation algorithms

6. Engineering Design and Innovation-3 tab



VISHWAKARMA INSTITUTE OF TECHNOLOGY, PUNE

Home CN SDAM WT DAA **EDI** DT

ENGINEERING DESIGN AND INNOVATION - 3 (CS3060)

Faculty: D. Jadhav

I: Selection of Project/Problem

II: Teacher's role in PCL


III: Student's role in PCL

IV: Developing Inquiry Skills

V: Literature survey - to avoid reinvention of wheel

VI: Use of research methodology

7. Design Thinking-3 tab



VISHWAKARMA INSTITUTE OF TECHNOLOGY, PUNE

Home CN SDAM WT DAA EDI **DT**

DESIGN THINKING-5 (CS3059)

Faculty: S. G. Lade

Section-I: What is research? Importance of Paper Publication and Patents

Section-II: Structure of The paper, Journal List (Top 50 Journals)