

HTML Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Computer Science & Engineering</title>

  <!-- ✅ A. External CSS (Compulsory) -->

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

  <!-- ✅ B. Internal CSS -->

  <style>

    /* Cascading Order Step 2: Redefine h1 color in internal CSS.

       This overrides the external CSS 'blue', but will be overridden by inline CSS. */

    h1 {

      color: green;

    }

    /* Styling for a special section (Achievements box) & Add border styling to a section
    */

    .achievements-box {

      background-color: #e8f8f5;

      border: 2px dashed #1abc9c;

      padding: 20px;

      border-radius: 10px;

      margin: 20px 0;
```

```
}
```

```
.achievements-box h2 {  
    color: #16a085;  
    border-bottom-color: #16a085;  
}
```


```
</style>
```

```
</head>
```

```
<body>
```

```
<!-- Container for layout -->
```

```
<div class="container">
```

```
<!--  C. Inline CSS: One important heading
```

```
    Cascading Order Step 3: Inline CSS on <h1>.
```

```
    This has the highest priority and overrides both external and internal CSS. -->
```

```
<h1 style="color: red; text-transform: uppercase;">
```

```
    Computer Science & Engineering
```

```
</h1>
```

```
<!--
```

```
    Cascading Order Demonstration Comments:
```


```
    1. External CSS sets h1 to blue. (Browser default would be standard black, but  
external CSS overrides it).
```

```
    2. Internal CSS sets h1 to green. (Higher priority than external because it's defined  
lower in the head/after the link).
```


```
    3. Inline CSS sets h1 to red.
```

```
    Result: The heading is RED because Inline styles have the highest  
specificity/priority.
```

```
-->
```

<!--  C. Inline CSS: One urgent announcement -->

<div style="background-color: #e74c3c; color: white; padding: 10px; text-align: center; font-weight: bold; border-radius: 5px; margin-bottom: 20px;">


 Admissions Open 2026 - Apply Now!

</div>

<section id="about">

<h2>About the Department</h2>

<p>Established in 2005, offering UG and PG programs. We strive to provide world-class education and foster innovation.</p>

<!--  C. Inline CSS: One highlighted paragraph -->

<p style="background-color: yellow; padding: 10px; border-left: 4px solid orange;">

Vision: Empowering students to become global technology leaders and innovators.

</p>

</section>

<section id="courses">

<h2>Courses Offered</h2>

Data Structures

Web Technologies

Artificial Intelligence

Machine Learning

</section>

```
<section id="faculty">
```

```
  <h2>Faculty Highlights</h2>
```

```
  <!-- Using Classes: .card for reusable styling -->
```

```
  <div class="card">
```

```
    <h3>Dr. A. Kumar</h3>
```

```
    <p>Professor - Specialization in Artificial Intelligence</p>
```

```
  </div>
```

```
  <div class="card">
```

```
    <h3>Ms. B. Rao</h3>
```

```
    <p>Assistant Professor - Specialization in Web Technologies</p>
```

```
  </div>
```

```
</section>
```

```
<!-- Special Section with Internal CSS -->
```

```
<section class="achievements-box">
```

```
  <h2>Achievements</h2>
```

```
  <ul>
```

```
    <li>100% placement in 2025</li>
```

```
    <li>5 University Rank Holders</li>
```

```
  </ul>
```

```
  <!-- Using p.highlight selector -->
```

```
  <p class="highlight">Our students continuously strive for excellence!</p>
```

```
</section>
```

```
<!-- ID Selector styling (#contact) -->
```

```
<section id="contact">
```

```
  <h2>Contact Information</h2>
```

<p>Email: cse@college.edu</p>

<!-- Using .center and .highlight classes together -->

Reach out for inquiries

</section>

</div>

<footer>

<p>© 2026 Computer Science & Engineering Department. All rights reserved.</p>

</footer>

</body>

</html>

CSS Code:

```
/* Universal Selector */
```

```
*{
```

```
    box-sizing: border-box;
```

```
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif; /* Default font-family via  
External CSS */
```

```
}
```

```
/* External CSS: Body background color */
```

```
body{
```

```
    background-color: #f4f7f6;
```

```
    margin: 0;
```

```
    padding: 0;
```

```
    line-height: 1.6;
```

```
    color: #333;
```

```
}
```

```
/* External CSS: Layout spacing (margin / padding) */
```

```
.container{
```

```
    width: 80%;
```

```
    margin: 20px auto;
```

```
    padding: 20px;
```

```
    background-color: white;
```

```
    border-radius: 10px;
```

```
    box-shadow: 0 2px 10px rgba(0,0,0,0.05);
```

```
}
```

```
/* External CSS: All <p> elements */
```

```
p {  
    font-size: 16px;  
    margin-bottom: 15px;  
}
```

```
/* Grouping Selector */
```

```
h1, h2, h3 {  
    margin-top: 0;  
    margin-bottom: 15px;  
}
```

```
/* External CSS: All <h2> elements */
```

```
h2 {  
    color: #2c3e50;  
    border-bottom: 2px solid #3498db;  
    padding-bottom: 5px;  
}
```

```
/* Cascading Order Step 1: Define h1 color in external CSS */
```

```
h1 {  
    color: blue; /* This will be overridden by internal CSS, which is overridden by inline  
CSS */  
    text-align: center;  
}
```

```
/* Class Selectors */
```

```
.highlight {
```

```
background-color: #ffeaa7;
padding: 5px;
border-radius: 3px;
}
```

```
/* Element + Class Selector */
```

```
p.highlight {
    font-weight: bold;
    color: #d35400;
}
```

```
.center {
    text-align: center;
    display: block;
    margin-left: auto;
    margin-right: auto;
}
```

```
.card {
    background: white;
    padding: 15px;
    margin-bottom: 15px;
    border-radius: 8px;
    box-shadow: 0 4px 6px rgba(0,0,0,0.1);
    /* Border around faculty cards */
    border: 1px solid #ddd;
}
```



```
/* ID Selector */
```

```
#contact {  
    background-color: #2c3e50;  
    color: white;  
    padding: 20px;  
    text-align: center;  
    border-radius: 8px;  
    margin-top: 30px;  
}
```

```
#contact a {  
    color: #3498db;  
}
```

```
footer {  
    text-align: center;  
    margin-top: 20px;  
    font-size: 14px;  
    color: #7f8c8d;  
}
```

