

**DEPARTMENT OF COMPUTER SCIENCE
EXTENSION ACTIVITIES 2025-26**

POWERPOINT PRESENTATION ON “TRENDING TECHNOLOGIES”

The students of the Department of Computer Science organized a PowerPoint presentation on the topic “Trending Technologies” at Government Middle School, Chalaunthi, Sanjauli, Shimla on July 26, 2025, from 11:00 AM to 1:00 PM. The workshop was conducted for students of Classes VI to VIII and was aimed at enhancing their awareness of emerging technological trends.

OBJECTIVES

- **Creating Awareness:**

To create awareness among school students about trending technologies and their growing impact on everyday life.

- **Enhancing Knowledge:**

To introduce students to emerging technological concepts such as artificial intelligence, web development, and digital tools, thereby broadening their understanding.

- **Encouraging Interest in Technology:**

To motivate students to explore the field of technology and consider future academic and career opportunities in this domain.

- **Developing Digital Literacy:**

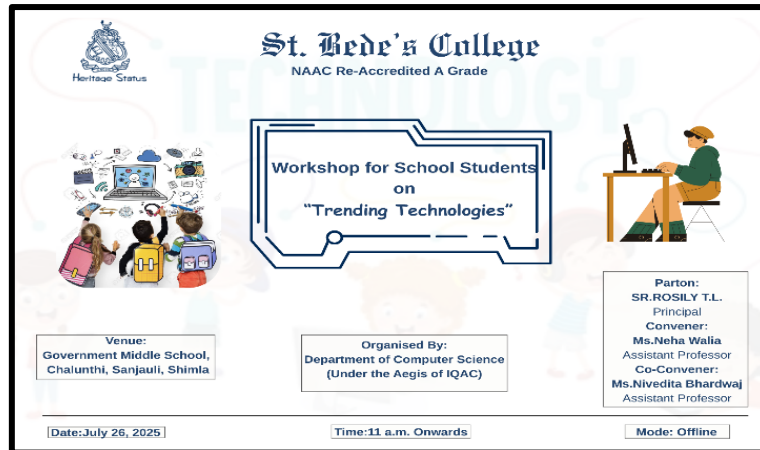
To help students build basic digital skills and understand the practical applications of modern technologies in education and daily activities.

The session was led by BCA Vth Semester students, who delivered informative presentations covering various aspects of current and upcoming technologies. The event was designed to be interactive and engaging, encouraging active participation from the school students.

In addition to the presentations, the team conducted interactive sessions, allowing the young learners to ask questions and share their thoughts. The overall response was enthusiastic, and the students showed keen interest in learning about the evolving world of technology.

LEARNING OUTCOME

This outreach initiative not only helped school students gain valuable exposure on latest technologies but also provided the BCA students an opportunity to share knowledge and develop their communication and presentation skills.



Poster



Event coverage



Appreciation Letter

SIX-DAY "WEB DEVELOPMENT " TRAINING FOR SCHOOL STUDENTS

The Department of Computer Science under the aegis of IQAC conducted a six-day training program on "Web Development" at Government Senior Secondary School, Sanjauli, Shimla, from September 22 - 29, 2025, 2:55 pm onwards.

OBJECTIVES:

The main objectives of the workshop were:

- To introduce students to the basic concepts of the internet and websites.
- To provide students with an understanding of how websites are created.
- To familiarize students with the concept of front-end web development.
- To introduce Visual Studio Code as a modern code editor used for writing web development code.
- To explain the structure and commonly used tags of HTML.
- To provide a basic introduction to CSS and webpage styling.
- To encourage students to develop an interest in coding and technology.
- To provide hands-on experience in creating simple webpages.
- To create awareness about cyber security and safe internet practices.
- To evaluate students' understanding through practical and written tests.



Heritage Status



HTML
CSS

St. Bede's College
NAAC Re-Accredited A Grade

**Six-day Workshop
on
"Web Development"**

Organised by
Department of Computer Science
(Under the Aegis of IQAC)



HTML+CSS

Patron:
(Dr.) Sr. Rosily T.L.
Principal

Convener:
Ms. Neha Walia
Assistant Professor

Co-Convener:
Ms. Nivedita Bhardwaj
Assistant Professor

Venue :
Computer Lab
Government Senior Secondary School,
Sanjauli, Shimla

Date : September 22-29, 2025 Time : 2:55 P.M. onwards

Mode: Offline

Poster

DAY 1: SEPTEMBER 22, 2025

TOPIC: INTRODUCTION TO WEB TECHNOLOGIES

The first day of the workshop focused on introducing students to the fundamental concepts of web technologies and website development.

The session began with an interactive presentation explaining the concept of websites and how they function on the internet. Students were introduced to basic topics such as:

- What is the internet
- What is a website
- How websites are created

- Difference between frontend and backend development

Students were encouraged to share their experiences with using the internet and websites. This discussion helped create an engaging environment where students felt comfortable asking questions.

The instructors then introduced code editors, with a focus on Visual Studio Code, which is widely used by developers for writing and editing code. Students were guided through the installation process and shown how to use the basic features of the software.

A brief introduction to JavaScript was also provided to help students understand how websites can include interactive features such as buttons, animations, and dynamic content.

The session concluded with a question-and-answer session where students clarified their doubts about websites and coding.



Event Coverage

DAY 2: SEPTEMBER 23, 2025

TOPIC: HTML STRUCTURE AND CSS INTRODUCTION

The second day began with a short revision of the concepts discussed on the first day. Students were asked questions to recall their previous learning and to ensure that they had understood the basic ideas.

After the revision, students were introduced to the basic structure of an HTML document, commonly known as the HTML boilerplate code.

The instructors explained the purpose and use of several important HTML tags such as:

- `<html>` – Defines the main HTML document
- `<head>` – Contains information about the webpage
- `<title>` – Displays the title of the webpage in the browser tab
- `<body>` – Contains the main content of the webpage
- `<h1>` to `<h6>` – Heading tags used for titles and subtitles
- `<p>` – Paragraph tag used for text content

Students practiced writing these tags in Visual Studio Code and observed how the content appeared in the web browser.

The Live Server extension was installed to allow students to run their HTML files directly in the browser and see real-time updates while coding.

Towards the end of the session, students were introduced to CSS, which is used to style webpages by adding colors, fonts, spacing, and layout designs.



Event Coverage

DAY 3: 25 SEPTEMBER 2025

TOPIC: AWARENESS SESSION ON HTML, CSS AND CYBER SECURITY

During this session, students were introduced to HTML and CSS in a simplified and practical manner. It was explained that while HTML provides the structure of a webpage, CSS is responsible for the design and visual appearance.

Examples were shown to demonstrate how CSS can change different aspects of a webpage, including:

- Text color
- Background color
- Font style
- Layout and spacing

To make the session more interesting, students were introduced to the Inspect Element tool available in web browsers. This tool allowed students to view the HTML and CSS code behind a webpage and observe how design elements are applied.

In addition to web development concepts, a short Cyber Security Awareness Session was conducted to educate students about safe internet usage.

Students learned about:

- Online scams and phishing attempts
- Malware and viruses
- Risks of sharing personal information online

Important cyber safety tips were shared, such as protecting passwords, avoiding suspicious links, and being cautious while downloading files from unknown websites.



Event Coverage

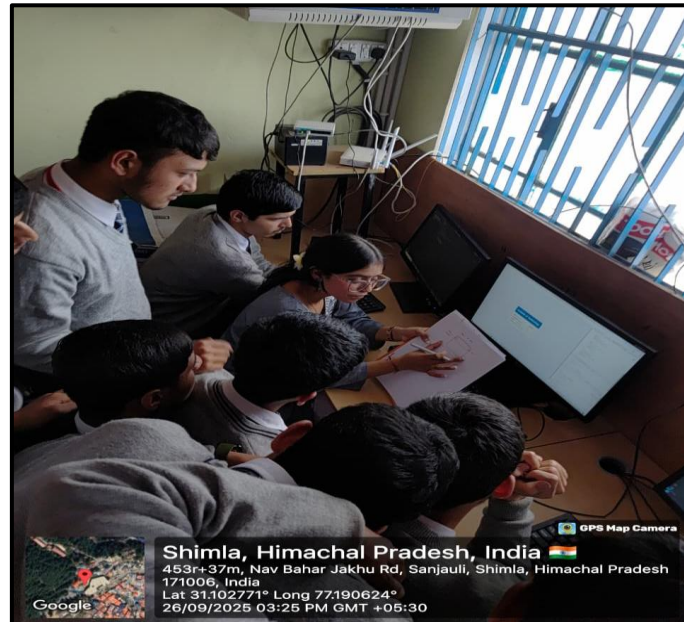
DAY 4: 26 SEPTEMBER, 2025

PRACTICAL DEMONSTRATION AND HANDS-ON LEARNING

The day began with a revision of previously discussed concepts related to HTML and CSS. Students were then encouraged to apply their knowledge by creating simple webpages using HTML tags and CSS styling.

Students practiced writing code in Visual Studio Code and used Live Server to test their webpages. The instructors guided the students throughout the session and helped them understand coding errors and formatting techniques.

Students actively participated in the practical activities and asked several questions regarding webpage design and styling. The session helped them gain confidence in writing basic web development code.



Event Coverage



Event Coverage

DAY 5: 27 SEPTEMBER, 2025

TOPIC: PRACTICAL TEST ON HTML & CSS

A practical test was conducted to evaluate students' coding skills.

Students were asked to **design a simple ID card using HTML and CSS**. The objective of this activity was to test their ability to structure content using HTML and apply styling using CSS.

Students were instructed to include the following details:

- Student Name
- Photograph
- School Name
- Class/Section
- Roll Number or ID Number

Students used various HTML elements such as headings, paragraphs, images, and containers to structure the ID card. They applied CSS properties like borders, colors, fonts, and alignment to make the design visually appealing.

Many students demonstrated creativity and successfully completed the task.



Event Coverage

DAY 6: 29 SEPTEMBER 2025**TOPIC: WRITTEN TEST AND EVALUATION**

On the final day, a written test was conducted to assess the theoretical knowledge of the students.

The test included questions related to:

- HTML tags and their functions
- Structure of an HTML document
- Difference between HTML and CSS
- Types of CSS (Inline, Internal, External)
- CSS properties such as color, font, background, and margin

Students attempted the questions with enthusiasm and demonstrated their understanding of the concepts learned during the workshop.



Event Coverage

LEARNING OUTCOMES**FOR SCHOOL STUDENTS**

- Students gained a basic understanding of HTML and CSS.
- They learned how websites are structured and styled.
- They gained practical experience in creating simple web pages.
- They became aware of cyber security and safe internet practices.
- The workshop encouraged creativity and interest in programming.

FOR BCA STUDENTS

- Improved teaching and presentation skills.
- Developed confidence in explaining technical concepts.
- Gained experience in organizing academic activities.
- Enhanced teamwork and coordination abilities.



Event Coverage



Appreciation Letter