DEPARTMENT OF COMPUTER SCIENCE
EXTENSION ACTIVITIES 2024-25

ONE DAY WORKSHOP ON "BASIC WORD PROCESSING TOOLS FOR SCHOOL STUDENTS

The students of Department of Computer Science organized a workshop on "Basic Word Processing Tools" at Sanatan Dharam Senior Secondary School, Ganj Bazaar, Shimla on September 20, 2024, from 10:00 am to 3:00 pm.

OBJECTIVES

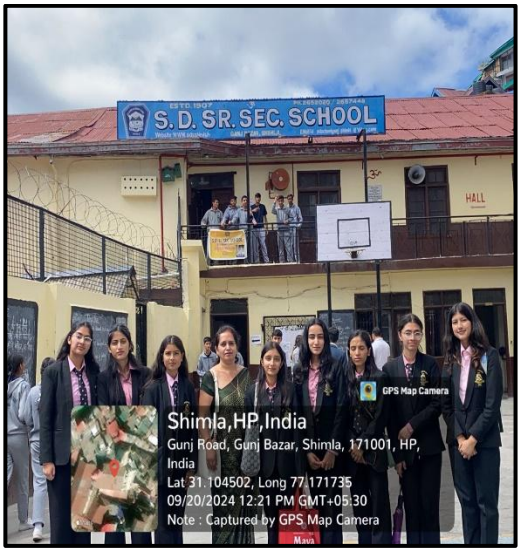
The workshop was organised for school students to create awareness among school students about fundamentals of Word Processing packages.

The workshop was for the students of IXth and Xth standard. The workshop was led by students from the BCA Vth semester students, who aimed to educate the students on the fundamentals of Word Processing packages. Students demonstrated its usage on the systems and school students tried the same.

LEARNING OUTCOMES:

The school students got a platform to know about the about fundamentals of Word Processing packages. The interactive session was an eye-opener for the school students.

POSTER



EVENT COVERAGE

WORKSHOP ON AI AND CYBER SECURITY: EMPOWERING ENTREPRENEURS FOR DIGITAL FUTURE

A workshop on "AI and Cyber Security: Empowering Entrepreneurs for Digital Future" was organised by the department of computer science under the aegis of IQAC on October 15,2024.
Objectives:

- To Introduce the Role of AI in Modern Business.
- To Build Awareness of Cyber Security Threats.
- To Demonstrate the Intersection of AI and Cyber Security
- To Promote Safe Digital Practices for Entrepreneurs
- To Empower Entrepreneurs with AI Tools and Solutions.
- To Highlight Legal and Ethical Considerations
- To Foster Innovation Through Technology-Driven Thinking

The workshop featured Sh. Vijayant Gaur, Director of the Cyber Security Association of India, who holds certifications as a Certified Information Security Manager (CISM), Certified

Information Systems Auditor (CISA), and Information Security Management System (ISMS) expert. Ms. Anjali Verma, Director of the Cyber Society of India and a proud alumna of the St. Bede's College 1994 batch, was also in attendance.

The event was structured around four focused sessions covering crucial areas: Cybersecurity, Cybercrime, Cyber Laws, and The Role of Technology in Cybersecurity and AI.

The workshop drew participation from faculty members and students of various esteemed institutions, including Jesus and Mary School, S.D. Senior Secondary School, Government College Sanjauli, H.P. University, Rajiv Gandhi Degree College (Kotshera), H.P. University of Legal Studies, IGNOU, and St. Bede's College.

The session was presided over by Professor Sr. Molly Abraham, Principal of St. Bede's College.

Key discussion areas included:

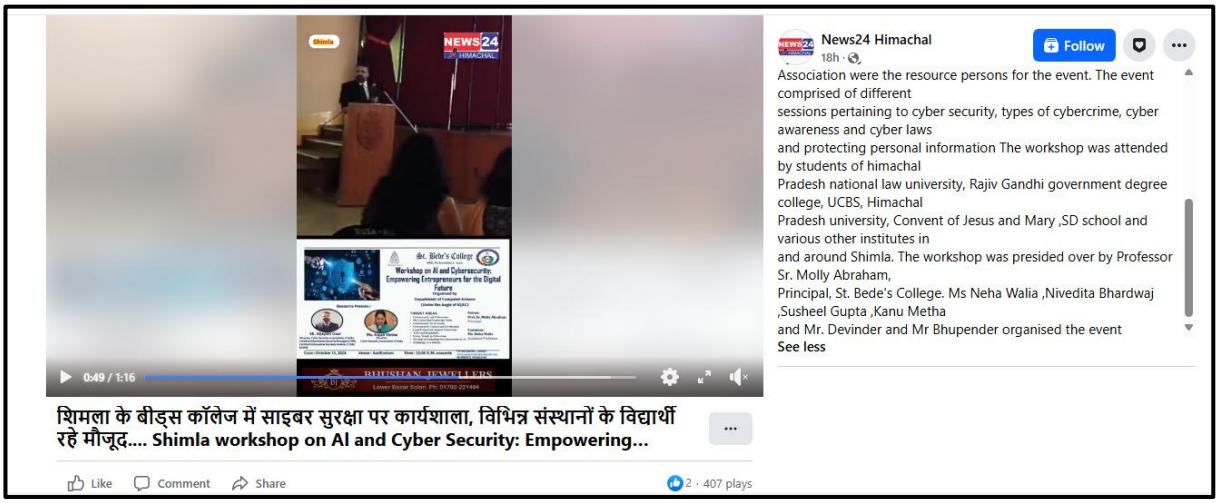
- Cybersecurity and its relevance in today's digital world
- The evolving landscape of cybercrime
- Cybersecurity practices for individuals and organizations
- Educational pathways including cybersecurity courses and certifications
- The legal framework and regulatory measures against cybercrime
- Emerging trends in cyber threats and security
- The integration of AI in cybersecurity
- Leveraging technology as a defense mechanism against cyber threats

Learning Outcome:

By the end of the workshop, participants will be able to:

1. Understand the Role of AI in Business Innovation
2. Identify Common Cybersecurity Threats
3. Apply Basic Cyber Hygiene Practices.
4. Analyse the Integration of AI in Cybersecurity
5. Evaluate Legal and Regulatory Frameworks
6. Explore Available Tools and Certifications
7. Embrace a Tech-Driven, Secure Business Mindset

POSTER FOR WORKSHOP



MEDIA COVERAGE

EVENT COVERAGE

WEBINAR ON "CMAI-CSAI-IHRO CYBER WARRIOR MISSION: A PATHWAY TOWARDS EMPLOYABILITY"

Webinar on "CMAI-CSAI-IHRO Cyber Warrior Mission: A Pathway Towards Employability" was organised by Department of Computer Science under the aegis of the Internal Quality Assurance Cell (IQAC), St. Bede's College, Shimla on November 22, 2024.

LEARNING OBJECTIVES:

Webinar on "**CMAI-CSAI-IHRO Cyber Warrior Mission: A Pathway Towards Employability**" aimed to provide participants with valuable insights, knowledge, and skills that will enhance their employability in the cybersecurity field.

Webinar was organised under the guidance of the Principal Prof. Sr. Molly Abraham with Ms. Neha Walia as the convener, Ms. Nivedita Bhardwaj, Assistant Professor, Department of Computer Science and Mr. Devender Singh, IT Technician, Department of Computer Science. The webinar was organised on MS-Teams platform.

The resource persons for the webinar were Prof. N.K. Goyal, Chairman Emeritus, TEMA and President CMAI/CSAI, Ms. Moubani Sorcar, Indian actress, Sh. Sandeep Arya Deputy Director general from department of telecommunications HP LSA Shimla, Sh. Ravi Chawal Director Security, department of telecommunications, HP LSA Shimla, Ms Hepisha, Cybersecurity and Crime Intelligence researcher, Ms. Shonal Anti-crime strategist and cyberpsychology practitioner. They made the students aware about cyber security, cyber- crime, cyber bullying, cyber space, and cyber hygiene.

The webinar was organised in hybrid mode and attended by 440 participants including eminent dignitaries, Principals, faculty members and students from other colleges and St. Bede's College.

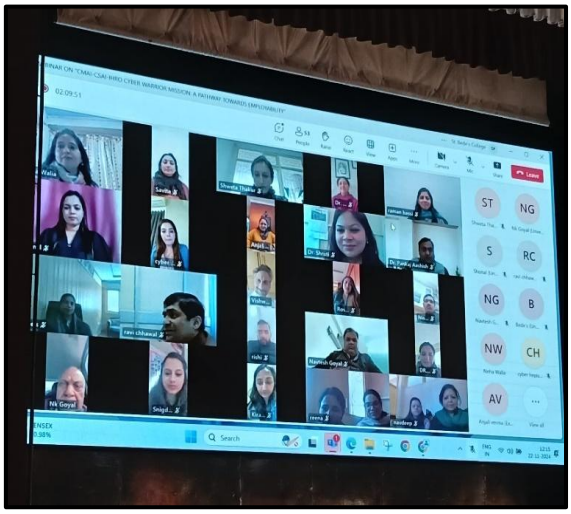
LEARNING OUTCOMES:

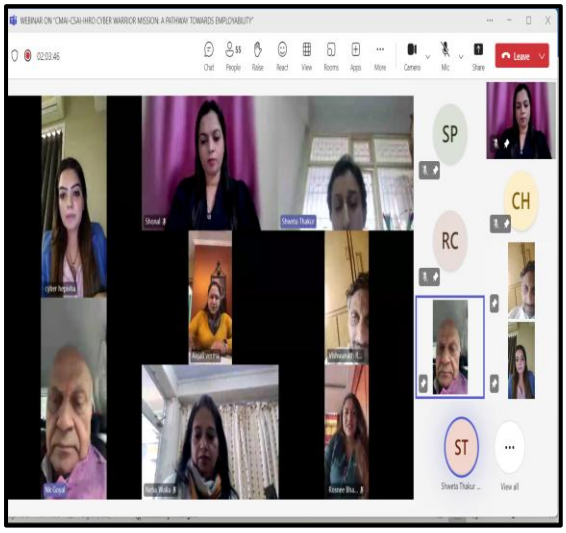
Participants will gain a comprehensive understanding of the diverse career pathways within the cybersecurity field, including roles such as cybersecurity analyst, ethical hacker, security engineer, and incident responder. They will be aware of the high demand for cybersecurity professionals and the various industries looking to hire them.

Participants will understand fundamental cybersecurity principles, current industry trends, and emerging threats. This knowledge will help them stay informed about the challenges and opportunities in the field and be better prepared to tackle real-world cybersecurity problems.

Participants will learn about the critical skills required for different cybersecurity roles, such as risk management, penetration testing, threat analysis, and incident response. They will also be informed about essential cybersecurity certifications (e.g., CompTIA Security+, CISSP, CEH) that will enhance their employability and credibility in the field.

POSTER FOR WEBINAR





EVENT COVERAGE

FIVE-DAY "HTML AND CSS" TRAINING FOR SCHOOL STUDENTS

The Department of Computer Science under the aegis of IQAC conducted a five-day training program on "HTML and CSS" at Sanatan Dharam Senior Secondary School, Ganj Bazaar, Shimla, from April 7 to 11, 2025, between 1:00 PM and 3:00 PM.

OBJECTIVES:

The primary goal of the training was to introduce school students to the fundamentals of web development, including how websites function and the critical roles of HTML and CSS in building and designing web pages.

The training sessions were specifically designed for students of classes 9 and 10. The sessions were facilitated by 6th-semester BCA students, who focused on delivering core web design concepts through practical demonstrations. Students were given opportunities to apply what they learned through hands-on exercises on computers.

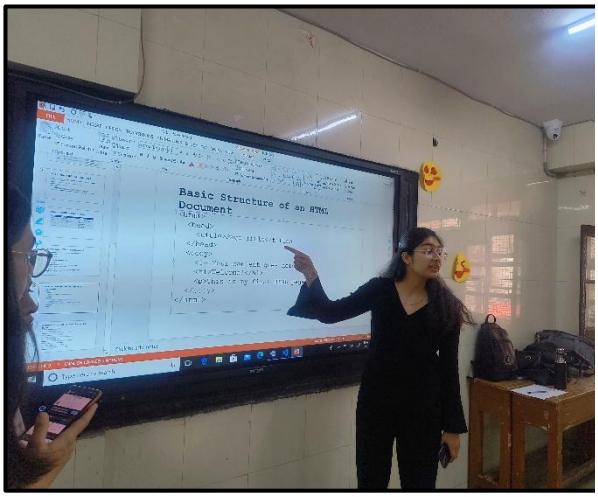
On the final day, an assessment was conducted to evaluate the students' understanding, and e-certificates were awarded to those who successfully completed the course. This five-day training effectively provided students with foundational skills in web development, empowering them to create and style basic static web pages with confidence.

LEARNING OUTCOMES:

By the end of the training program, participating students were able to:

1. **Understand the Basics of Web Development:**
    - Explain how websites work, including the structure and role of front-end technologies.
2. **Create Web Pages Using HTML:**
    - Use basic HTML tags to structure content such as headings, paragraphs, images, links, lists, and tables.
3. **Apply CSS for Styling Web Pages:**
    - Implement CSS properties to enhance the visual appearance of web pages through color, fonts, spacing, and layout.
4. **Combine HTML and CSS Effectively:**
    - Integrate HTML structure with CSS styling to design cohesive and attractive static web pages.
5. **Demonstrate Hands-On Coding Skills:**
    - Practice writing and editing HTML and CSS code independently using computer systems during guided lab sessions.

POSTER



PHOTOS

St. Bede's College

NAAC Re-Accredited A Grade

Heritage Status

CERTIFICATE OF PARTICIPATION

This is to certify that Kumari/Kumar **Aanchal mishra** of class **9th B, S.D. Senior Secondary School, Shimla** participated in 5 days workshop on "**HTML and CSS** "organized by **Department of Computer Science, St. Bede's College, Shimla** conducted at **S.D. Senior Secondary School, Shimla** from **April 7-11, 2025**.

Certificate No: DCS-2025/WS-143
Date: April 12, 2025

Prof. Sr. Molly Abraham
Principal

Neha Walia
Convener

E-CERTIFICATE