JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
WAKNAGHAT, P.O. – WAKNAGHAT,
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PIN – 173234 (INDIA) Phone Number- +91-1792-257999
(Established by H.P. State Legislature vide Act No. 14 of 2002)

Report on the Commencement of Computer Classes – Koshish Club

Date: November 2024
Venue: CL-10

Introduction

In November 2024, the Koshish Club proudly launched a new initiative to provide computer education to underprivileged students. This endeavor aimed to bridge the digital divide and equip students with essential technical skills. We extend our sincere gratitude to our respected HOD of the CSE Department, **Prof. Dr. Vivek Sehgal**, for granting special permission to use **CL-10** as the training venue. The classes aimed to familiarize students with the basics of computer literacy, web development, and programming.

We would also like to express our heartfelt gratitude to our dedicated faculty coordinators, **Dr. Hemant Sood** and **Mr. Prateek Thakral**, for their unwavering support and guidance. Our appreciation also goes to the **Koshish Club Coordinators** — **Vanshaj Sharma, Rashi Sharma, Aastha Jain, and Ramandeep Singh Makkar** — for their outstanding efforts in organizing and managing the sessions.

The program successfully engaged and empowered a total of **15 underprivileged students**, offering them the opportunity to develop essential digital skills and increase their future academic and career prospects.

Course Structure and Weekly Breakdown

Week 1: Basics of Computers

The first week focused on introducing students to the fundamental concepts of computer hardware and software. Key topics included:

- **Parts of a Computer**: Understanding essential hardware components like the monitor, CPU, keyboard, and mouse.
- **Operating System**: Basic navigation and use of the Windows OS.
- **File Management**: Learning how to create, save, and organize files and folders.
- **Basic Typing Skills**: Practice sessions to develop students' typing speed and accuracy.

Week 2: Basics of HTML

The second week introduced students to the basics of web development using HTML. Sessions included:

- **What is HTML?**: Understanding its role in creating and structuring web pages.
- **Basic HTML Tags**: Learning essential tags like <html> , <head> , <body> , <h1> to <h6> , <p> , <a> , and <img> .
- **Web Page Design**: Hands-on practice to create simple, functional web pages.
- **Linking and Embedding**: Teaching students how to add images, hyperlinks, and lists to enhance web pages.

Week 3 & Week 4: Basics of Python Programming

The final two weeks focused on teaching students the basics of **Python programming**, one of the most in-demand technical skills in the industry. Key concepts covered included:

- **Introduction to Python**: Introduction to the Python programming environment and writing simple programs.
- **Data Types and Variables**: Understanding and using integers, floats, strings, and booleans in Python.
- **Control Structures**: Teaching students how to use if statements, loops (for and while), and conditional logic.
- **Simple Projects**: Students engaged in mini-projects and coding exercises to develop problem-solving skills.

Key Insights and Challenges

1. **Student Enthusiasm**:
   The students displayed a high level of curiosity and excitement, particularly during HTML and Python sessions, as many were exposed to coding for the first time.
2. **Learning Curve**:
   While students grasped the fundamental concepts of hardware and software, some initially struggled with Python programming. However, through interactive guidance, they gradually became more confident.
3. **Resource Availability**:
   As the number of available computers was limited, students were organized into smaller batches, ensuring each student had sufficient hands-on learning time.
4. **Parental Support**:
   Many parents appreciated the club's efforts, acknowledging that computer literacy would play a critical role in their children's future education and career opportunities.

Actions Taken

- **Interactive Learning**:
  The sessions focused on hands-on activities, mini-projects, and practical exercises to promote active learning. Students were encouraged to practice coding concepts on their own.

- **Batch System**:
  Due to limited computer resources, students were divided into smaller batches, ensuring that every student received personal attention and adequate access to a computer.
- **Continuous Support**:
  Mentors from the **Koshish Club** provided one-on-one guidance to students struggling with concepts, ensuring that no student was left behind.
- **Mini-Projects and Practice Assignments**:
  Students were given small tasks and mini-projects at the end of each session to reinforce their learning and boost confidence.

Conclusion

The commencement of computer classes by the Koshish Club was a resounding success, providing more than **15 underprivileged students** with an opportunity to develop essential 21st-century digital skills. From learning the basics of computer literacy to understanding the fundamentals of web development and programming, students made remarkable progress.

The program not only increased the students' technical skills but also inspired their curiosity and interest in coding and web development. Our interactive, hands-on approach ensured students could apply their knowledge practically.

We remain committed to fostering **digital literacy** and providing meaningful educational opportunities to underprivileged students. The Koshish Club will continue to refine its curriculum based on feedback from students and parents to ensure a positive learning experience for all.

With continued support from our **faculty coordinators** and **student coordinators** the initiative aims to scale up and reach more students in the future.

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Event Highlights

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