



01972-292018, 221493

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# Gautam College of Pharmacy, Hamirpur

(Approved by PCI - New Delhi & Himachal Pradesh Government)

Affiliated to Himachal Pradesh Technical University, Hamirpur  
& Himachal Pradesh Technical Education Board, Dharamshala  
Ward No. 10 Hamirpur (Himachal Pradesh)

## EVENT TITLE- GUEST LECTURE ON COMPUTING SKILLS

**Date:** Feb 12, 2024

**Venue:** computer lab

**Time:** 1:30 pm to 3:30 pm

**Resource Person:** Mrs. Deepika, Assistant professor (Computer Science) GGC Hamirpur(H.P)

**Coordinator:** Mr. Akhil Moudgil

**Participants:** B. Pharmacy 1<sup>st</sup> year students, Gautam College of pharmacy

### Introduction

Gautam College of Pharmacy, Hamirpur, had the privilege of hosting a guest lecture on computing skills, delivered by Mrs. Deepika, Assistant professor (Computer Science) from Gautam group of colleges, Hamirpur (H.P)

The lecture aimed to equip pharmacy students with essential computing skills that are increasingly relevant in the pharmaceutical industry. The event was attended by over 100 students and faculty members, highlighting the importance of integrating technology with pharmaceutical education.

### Objectives of the Lecture

- 1. Introduction to Computing Skills:** To provide an overview of essential computing skills relevant to pharmacy students.
- 2. Importance of Computing in Pharmacy:** To highlight the significance of computing skills in the pharmaceutical industry.
- 3. Practical Applications:** To demonstrate practical applications of computing in pharmaceutical research and practice.
- 4. Career Opportunities:** To discuss career opportunities at the intersection of computing and pharmacy.

### Key Points Covered

- 1. Basic Computing Skills:**
  - o Introduction to essential software such as Microsoft Office Suite (Word, Excel, PowerPoint).
  - o Importance of proficiency in these tools for documentation, data analysis, and presentations.
- 2. Data Analysis and Management:**

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- Basics of data analysis using Excel, including functions, formulas, and data visualization.
- Introduction to database management systems and their applications in managing patient records and research data.
- 3. Programming Basics:**
  - Introduction to programming languages relevant to the pharmaceutical industry, such as Python and R.
  - Simple coding exercises to illustrate data manipulation and analysis.
- 4. Bioinformatics:**
  - Overview of bioinformatics and its role in drug discovery and development.
  - Practical examples of how computing skills are used in genomics and proteomics.
- 5. Simulation and Modeling:**
  - Introduction to simulation software used in pharmacokinetics and pharmacodynamics.
  - Demonstration of modeling techniques to predict drug interactions and efficacy.
- 6. Digital Health and Telemedicine:**
  - Discussion on the rise of digital health technologies and telemedicine.
  - Role of computing skills in developing and implementing digital health solutions.

## Interactive Session

The lecture included an interactive Q&A session where students posed questions about the practical applications of computing skills in their studies and future careers. Mrs. Deepika provided insightful answers and encouraged students to pursue further learning in computing to enhance their professional skill set.

## Conclusion

The guest lecture was a resounding success, leaving students motivated and better informed about the importance of computing skills in the pharmaceutical industry. Mrs. Deepika's expertise and engaging presentation style made complex concepts accessible and relevant to the audience. Gautam College of Pharmacy looks forward to organizing more such lectures to continue bridging the gap between traditional pharmacy education and modern technological advancements.

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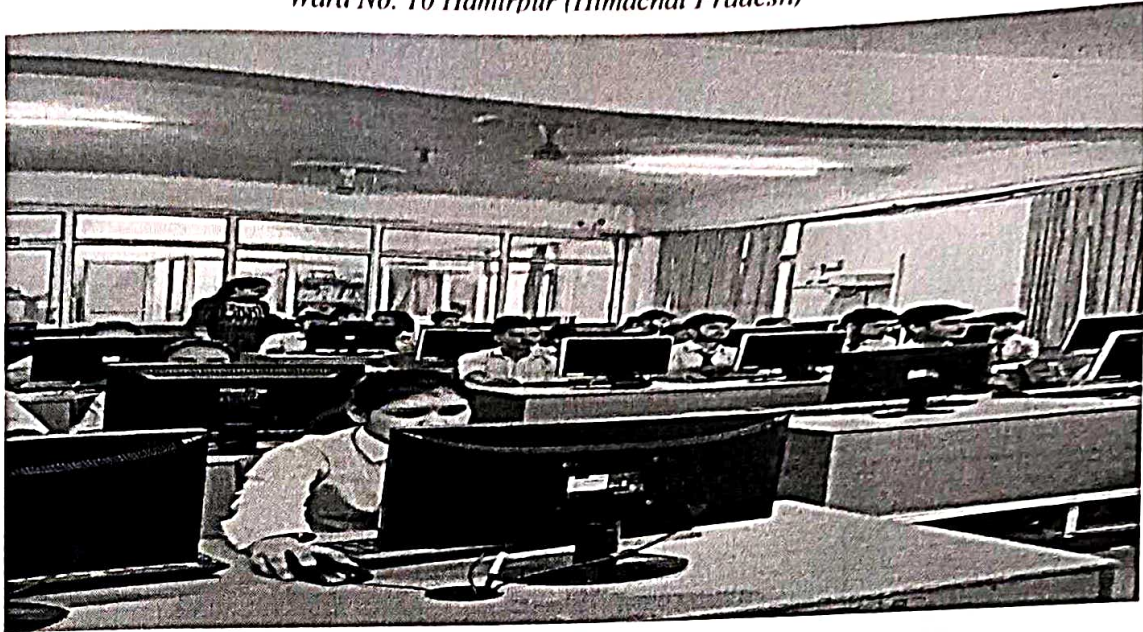


Fig. Mrs. Deepika introducing students to programming languages relevant to the pharmaceutical industry, such as Python and R.

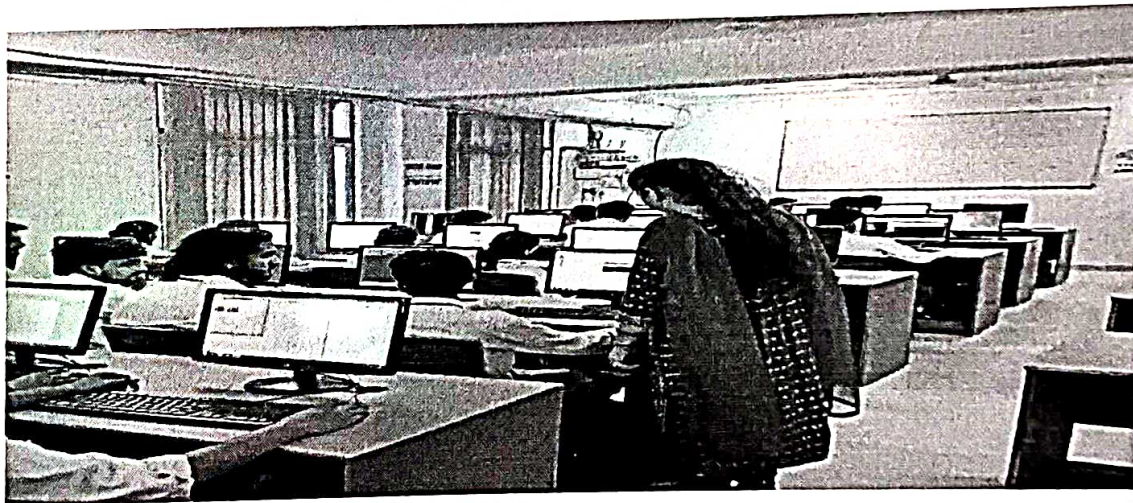


Fig. Mrs. Deepika introducing students to programming languages relevant to the pharmaceutical industry, such as Python and R.

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