

Peer-to-Peer Mentoring Program
Student Learning Centre
Hansraj College

Month and Year : November 2024 - March 2025
Department : Physics and Electronic
Department Program Coordinator : Dr Neelam Singh
Name of Mentor : Aryan Rana
Course : B.Sc.(Hons) Electronics
Semester : IV
Email Id : aryanrana768@gmail.com



Session : 1

Date : 08/11/2024
Duration : 2 hour (Offline)
No. of mentees : 5
Topic covered : Being familiar with MS Power Point - Preparation of Slides

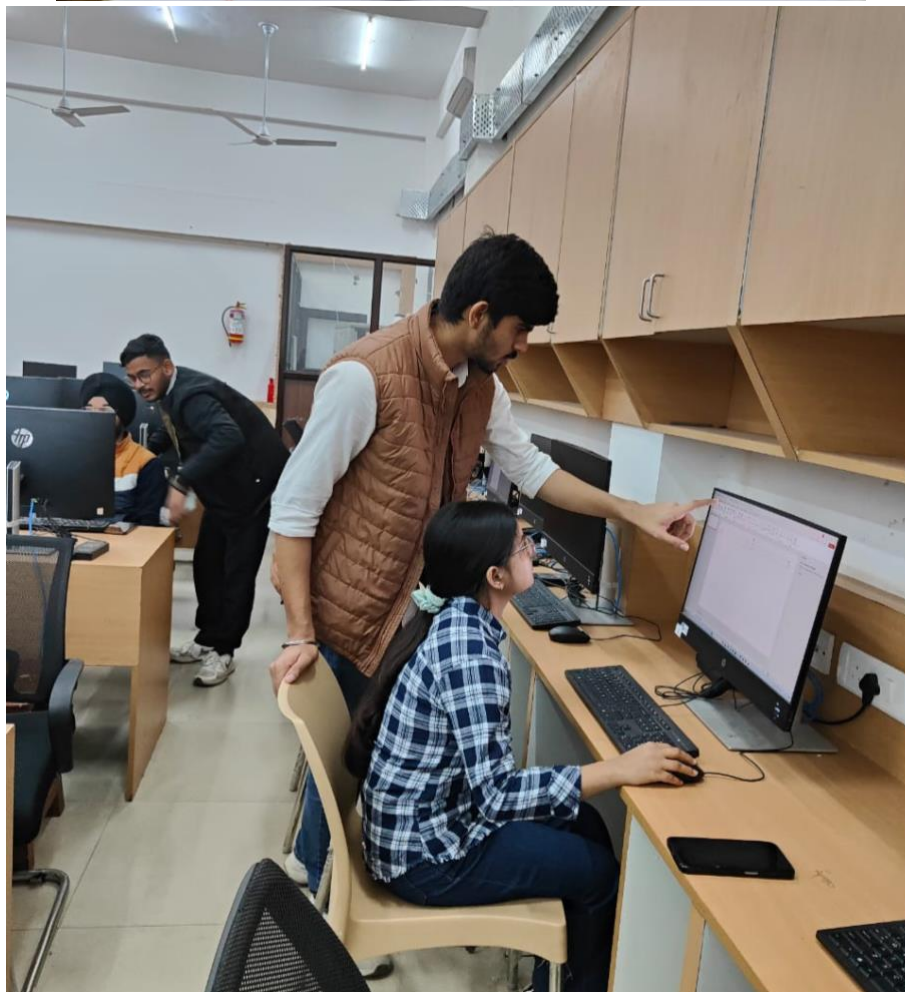
1. Opening a PowerPoint Presentation
2. Saving a PowerPoint Presentation
3. Basic about the different Tabs in Presentation

8 Nov

S.No.	Student Name	Course	Roll No.
1	Kumudam Ansh	B.com (H)	245640228
2	Om Maini	B.A Prog (Philosophy)	7662
3	Roshan Raj	"	7035
4	Pratyush Kashyap	B.Sc. Botany(H)	13174
5	Indrajeet Gupta	Bsc(H) Electronics	83575

Mentor Student:

Aryan Rana *Aryan Rana*



Session : 2

Date : 31/01/2025
Duration : 2 hour (Offline)
No. of mentees : 9
Topic covered : Being familiar with MS Power Point - Preparation of Slides

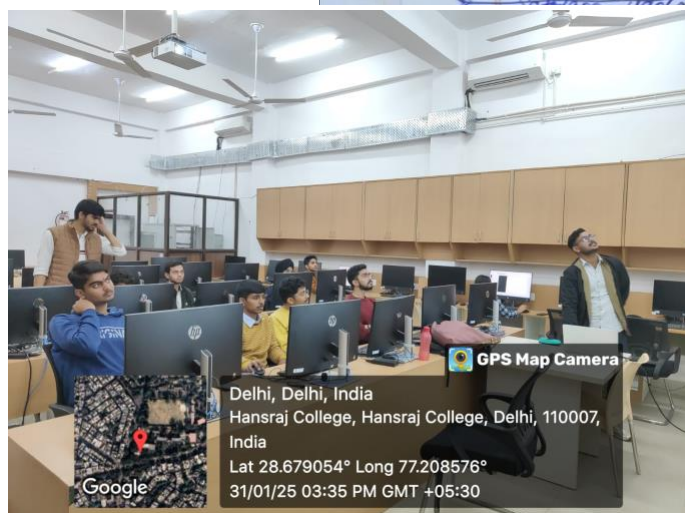
1. Entering and Editing text in a presentation
2. Inserting slides in a presentation
3. Deleting slides in a presentation

31 Jan 2025

S.No	Student Name	Course	Roll No.	Task
1	Vaibhav Khetan	B.A-Eco (H)	245101313	✓
2	Satyam Yadav	B.SCL(H) Physics	13929	✓
3	Ashish Mishra	"	13989	✓
4	Karan Singh Patow	"	13919	✓
5	Riya Raj	B.Com Hons	5054	✓
6	Anmol Naik	BALHons) Eco	10858	✓
7	Harpreet Singh	B.sc(H) Mathematics	13846	✓
8	Abhishek Kumar Dubey	BA(H) Eco	10984	✓
9	Harshit Singh	BA(H) Eco	10940	✓

Mentor to
Mentor Student :

1	Shivam Singh	Shivam Singh
2	Aryan Rana	Aryan Rana





Session : 3

Date : 06/02/2025
 Duration : 2 hour (Offline)
 No. of mentees : 7
 Topic covered : Being familiar with MS Power Point - Preparation of Slides

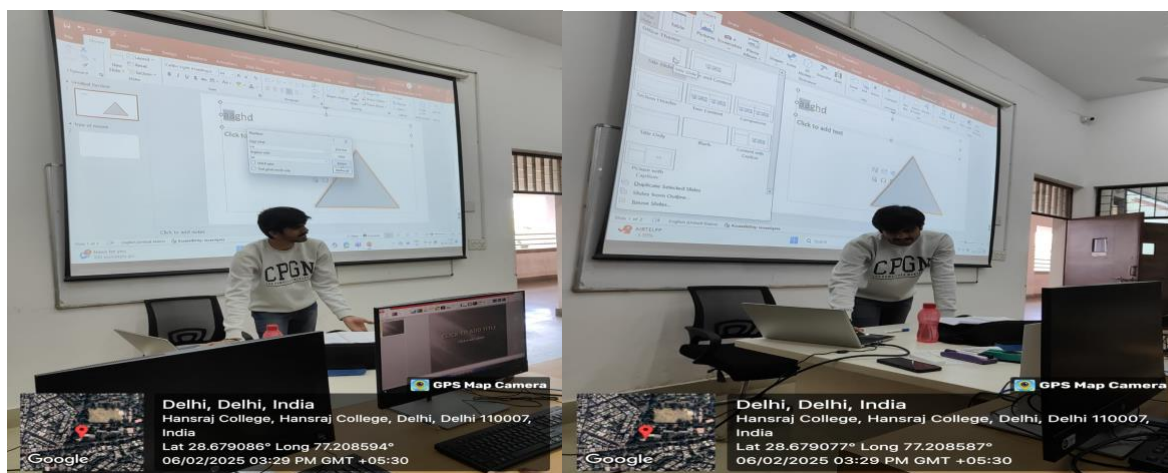
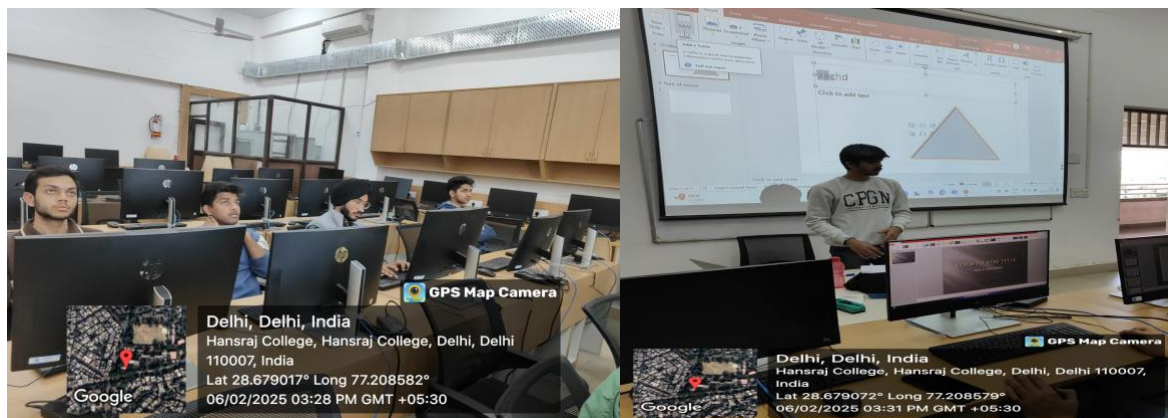
1. Viewing a Presentation
2. Choosing a set up for presentation

06 Feb 2025

S.No	Student Name	Course	Roll no.	Task
1	Lalish Kumar Dubey	Eco(H)	10984	✓
2	Harshit Singh	"	10940	✓
3	Harpreet Singh	" Maths "	13846	✓
4	Anmol Naik	Eco Hons	10858	✓
5	Karan Singh Rathore	Physics	13919	✓
6	Akhilesh Mishra	"	13989	✓
7	Satyam Yadav	"	13979	✓

Mentor student :

10	Aryan Rana	Aryan Rana
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Session : 4

Date : 07/02/2025

Duration : 2 hour (Offline)

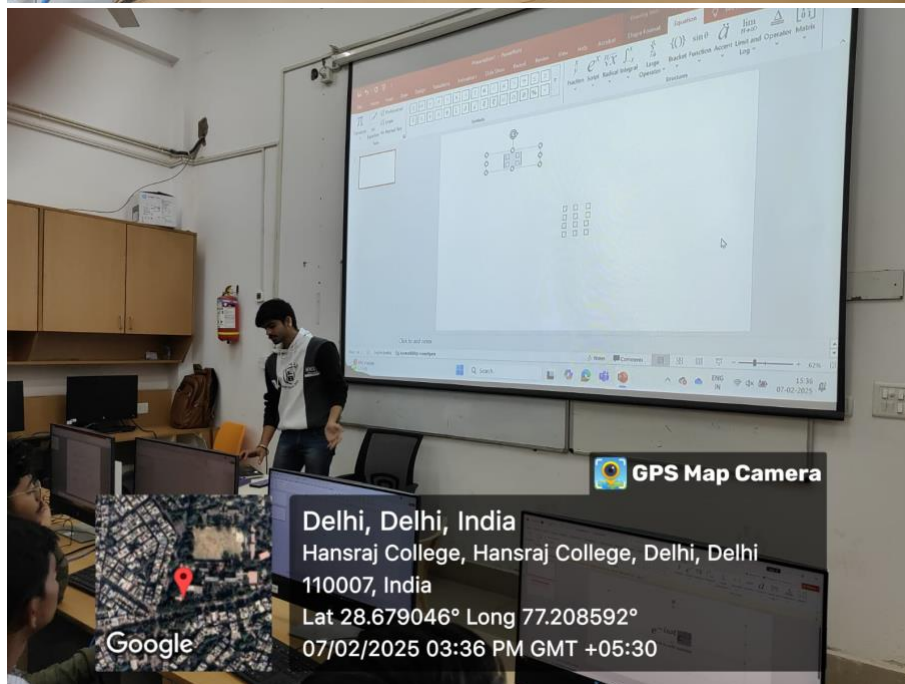
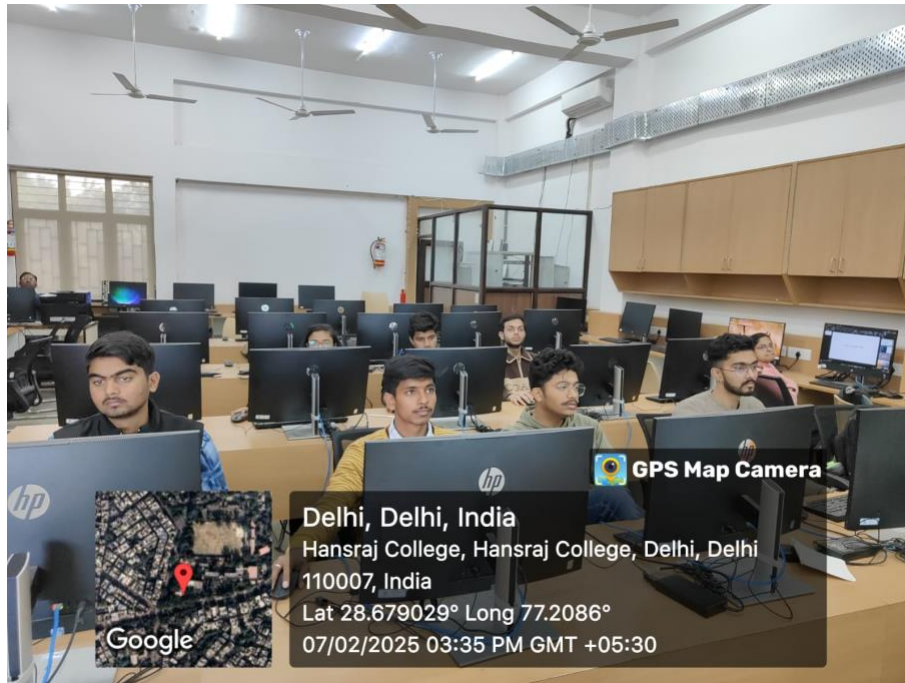
No. of mentees : 8

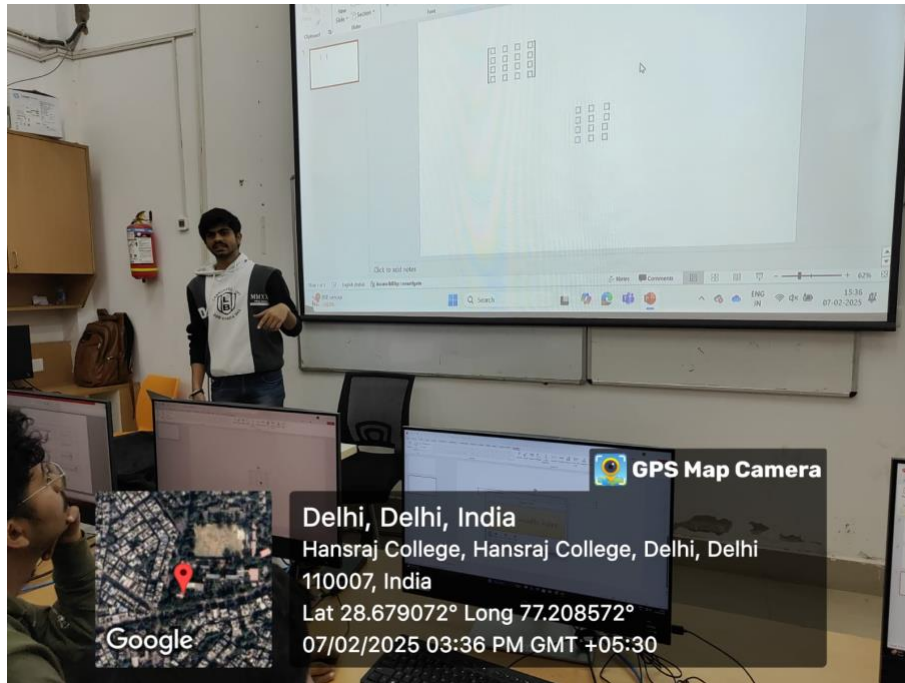
Topic covered : Being familiar with MS Power Point - Preparation of Slides

1. Running a Slideshow
2. Transition of Slide
3. Slide Timing

		7 Feb 2025	DATE	
S.No.	Student Name	Course	Roll No.	Task
1.	Vaidhavi Khetan	B.A. Eco (H)	245101313	✓
2.	Satyam Yadav	B.Sc (H) Physics	13979	✓
3.	Akhilesh Mishra	"	13989	✓
4.	Karan Singh Rathore	"	13919	✓
5.	Salish Kumar Dubey	BA(H) Eco	10984	✓
6.	Harsnit Singh	"	10940	✓
7.	Manvi	Bsc (H) Botany	245563121	✓
8.	Riya Raj	Bcom Hons	22025519241	✓
Mentor student:				
Aryan Rana		Aryan Rana		







Peer-to-Peer Mentoring Program
Student Learning Center
Hansraj College

Month and Year :	November 2024 - March 2025
Department :	Physics and Electronic
Department Program Coordinator :	Dr Neelam Singh
Name of Mentor :	Shivam Singh
Course :	B.Sc.(Hons) Electronics
Semester :	IV
Email Id :	shivamsinghgdc89@gmail.com

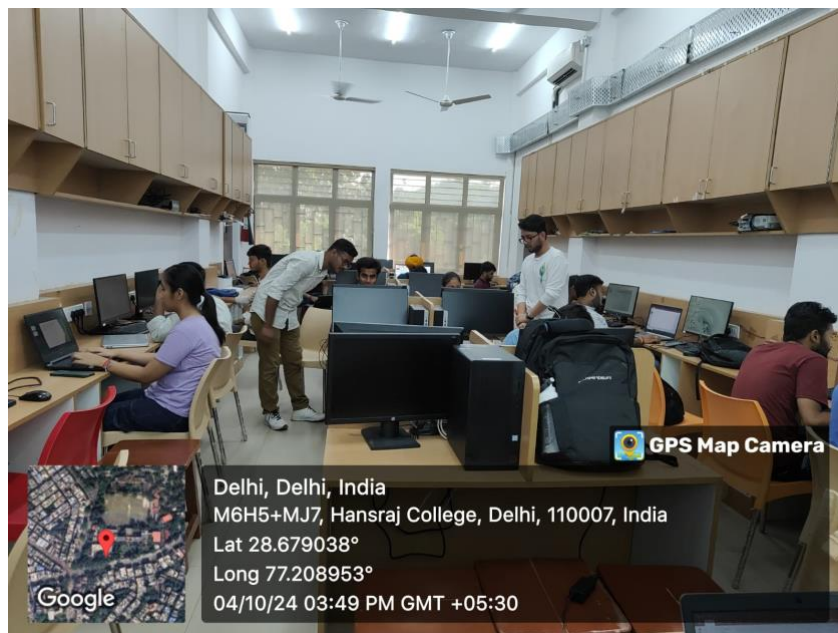


Session : 1

Date :	04/10/2024
Duration :	2 hour (Offline)
No. of mentees :	5
Topic covered :	Being familiar with MS Power Point - Preparation of Slides 1. Creating a presentation using a template

No.	Student-Name	Course	Roll No.	DATE ☐ ☐ ☐	Single Stable Home Task
01	Amish Singh	BSC(H) Botany	13113		✓
02	Pratyush Kashyap	B.Sc.(H) Botany	13174		✓
03	Gaurav Pal	B.Sc.(H) Botany	13168		✓
04	Ankit Kumar Singh	B.A.(H) Sanskrit	6880		✓
05	Nidhi Parmar	BSC(H) Botany	13166		✓
06	Indrajeet Gupta	B.Sc.(H) Electronics	245583575		✓
07	Himanshu Raj	BA/Philo+PHE	245012601		✓
08	Rashmi Ray	" Hindi+PE	7035		✓
09	Karishma Gumber	" "	7033		✓
10	Om Mimi	B.A Program (Philo+P.E)	7662		✓
11	Ayush Kumar Sharma	BSC(H) Botany	13175		✓
12	Prince Kumar	B.Com(H)	245040065		✓
13	Rateev Ranjan	B.A(H) Economics	10813		✓
14	Tulsi Dugtal	B.Sc(H) CS	245703419		✓
15	Ravi Sahela	B.A (Eco)	7024		✓
16	Kumari Sonam	B.Sc(H) Botany	13114		✓
17	Kumari Ansh	B.Com Hons.	228		✓
18	Madhava	B.Com Hons	245040255		✓
19	Abhishek Singh	B.A(H) Eco	245101222		✓

Mentor students — Shivam Singh Shivam Singh



Session : 2

Date : 18/10/2024
Duration : 2 hour (Offline)
No. of mentees : 9
Topic covered : Being familiar with MS Power Point - Preparation of Slides
1. Creating a blank presentation

18 Oct 2024

	Student Name	Course	DATE	Roll No.
1	Nidhi Parmar	B.Sc CH Botany		13166
2.	Kumari Sonam	B.Sc (H) Botany		13114
3-	Babli Laksh	B.A (Bio)		7024
4	Kumari Ansh	B.Com (Hons)		228
5	Pratyush Kashyap	B.Sc Botany		13174
6	Ayush Kumar Sharma	BSC (H) Botany		13175
7	Rajeev Ranjan	B.A (Eco)		10813
8	Shashwat Dhorva	BSc (H) Physics		13929

Mentor Student:-
~~Aaryam B...~~
Shivam Singh

Shivam Singh



Session : 3

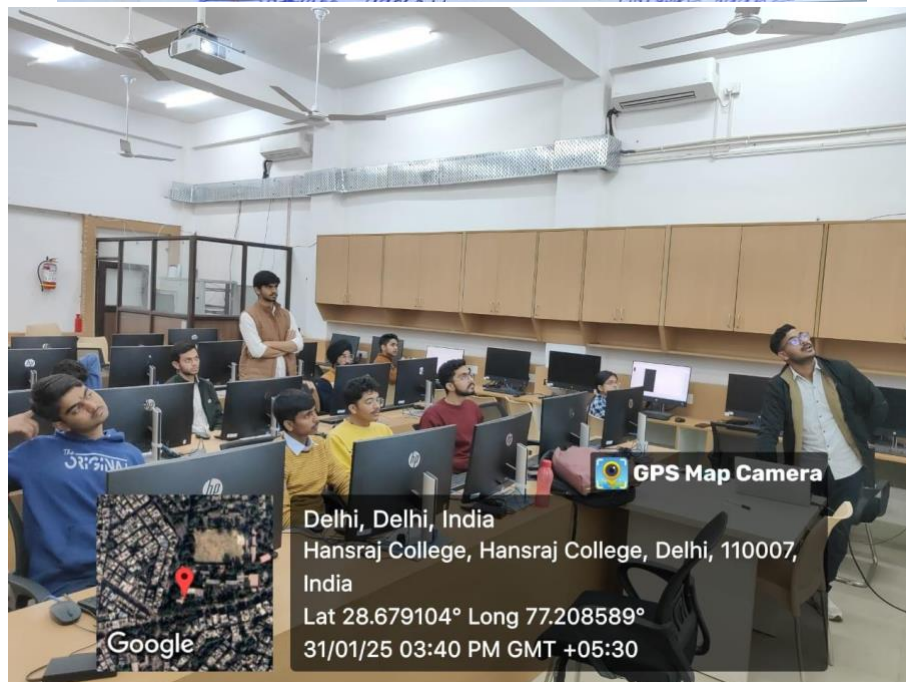
Date : 31/01/2025
Duration : 2 hour (Offline)
No. of mentees : 7
Topic covered : Being familiar with MS Power Point - Preparation of Slides
1. Adding clip art pictures, inserting different objects

31 Jan 2025

S.No	Student Name	Course	Roll No.	Task
1.	Vaibhav Khetan	B.A-Edo (H)	245101313	✓
2.	Satyam Yadav	B.SCL(H) Physics	13929	✓
3.	Akhil Mishra	"	13989	✓
4.	Karan Singh Patil	"	13919	✓
5.	Riya Raj	B.Com Hons	5054	✓
6.	Anmol Naik	BALHons) Ed	10858	✓
7.	Harpreet Singh	B.Sc (H) Mathematics	13846	✓
8.	Abhishek Kumar Dubey	BA(H) Eco	10984	✓
9.	Harshit Singh	BA(H) Eco	10940	✓

Mentee to
Mentor Student :

1. Shivam Singh	Shivam Singh
2. Aryan Rana	Aryan Rana

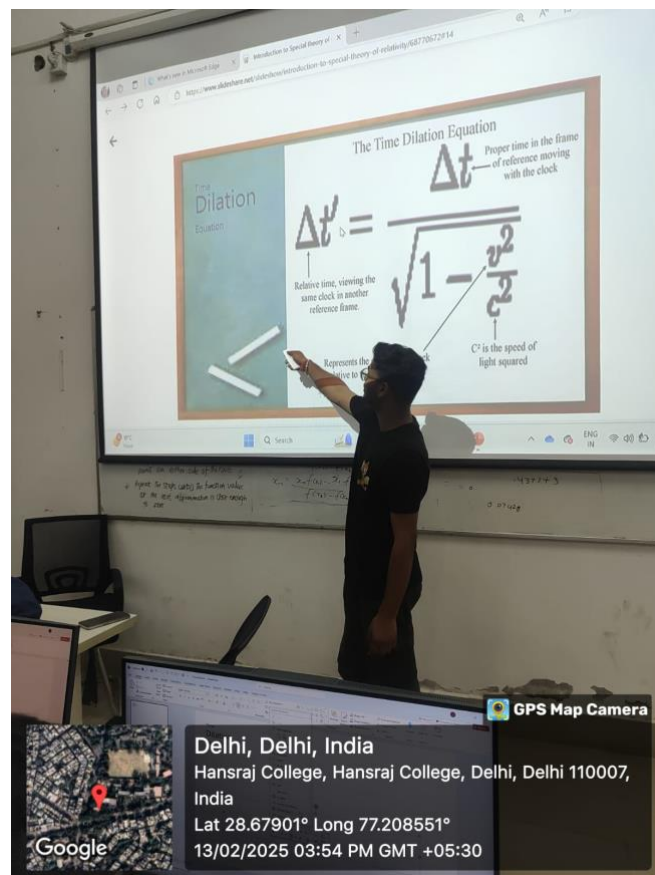


Session : 4

Date : 13/02/2025
Duration : 2 hour (Offline)
No. of mentees : 8
Topic covered : Being familiar with MS Power Point - Preparation of Slides
1. Automating a slide show

13 Feb 2025				
DATE				
S.No.	Student Name	Course	Roll No.	Task
1.	Vaibhav Khanna	B.A. (H) Hindi	245101313	✓
2.	Satyam Yadav	B.Sc. (H) Physics	13929	✓
3.	ARHILESH MISHRA	" "	13989	✓
4.	Riya Raj	B.Com. Hons	5059	✓
5.	Muskan	B.Sc(H) Electronics	3556	✓
6.	Abhishek Kumar Dubey	BA(H) Economics	10924	✓
7.	Harkit Singh	" "	10940	✓
8.	Anand Singh	B.A. (H) Hindi	245161718	
9.	Sumit Ram	B.A. (H) Sanskrit	242582073	
10.	Harpreet Singh	B.Sc (H) Mathematics	18846	✓

Shivam Singh



PEER -PEER MENTORING PROGRAM

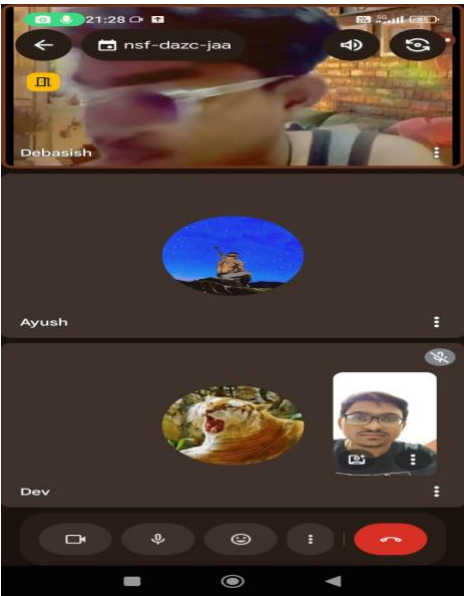
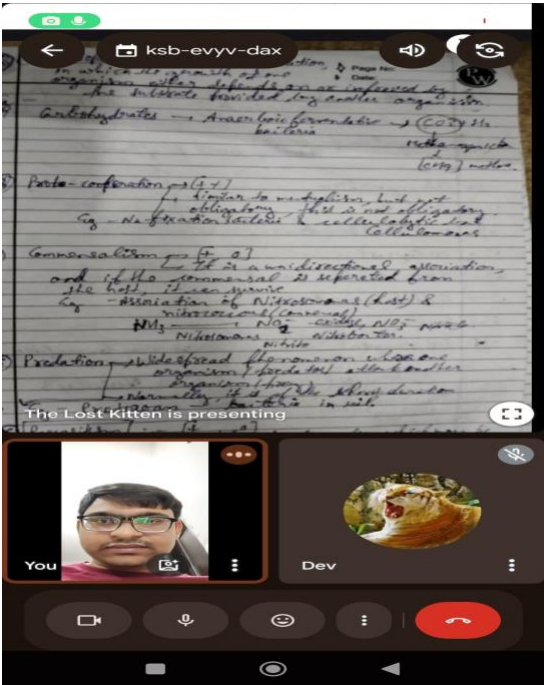
NAME –**HITESH TIWARI**

DEPARTMENT –**B.Sc.BOTANY HONOURS**

PROGRAM COORDINATOR –**DR. MANDEEP SIR**



S.NO	NAME OF MENTOR	SEMESTER	NO.OF SESSIONS	DATE AND TIME	TOPICS COVERED	NO.OF MENTEES
1.	HITESH	2	1 (8:30 TO 9:20)	21 MAY 2025	PLANT SYSTEMATICS PRACTICAL	3
2.	HITESH	2	1(8:00 TO 9:10)	31 MAY 2025	MICROBIOLOGY THEORY	3
3.	HITESH	2	1(8:00 TO 9:00)	3 JUNE	PLANT SYSTEMATICS PYQs	3
4.	HITESH	2	1(8:30 TO 9:20)	10 JUNE	MICROBIOLOGY THEORY	4



Topics Covered

SESSION : 1

DATE :21ST MAY

TOPICS : Plant systematics ,diagnostics features of 15 different families for example – lamiaceae ,cruciferae etc . with proper diagrams.

SESSION : 2

DATE :31st MAY

TOPICS :Microbiology and plant microbe interaction , mycorrhizae ,its types, different relationship between organisms in nature like predation, commensalism, proto cooperation ,competition etc. Plant growth promoting rhizobacteria .

SESSION :3

DATE :3rd JUNE

TOPICS:Plant systematics , Taxonomic hierarchy; Concept of species (morphological, biological and evolutionary); Classification systems - Bentham and Hooker (up to series), Engler and Prantl (up to sub-class)

SESSION : 4

DATE :10 JUNE

TOPICS : General account and mechanism of replication, lytic and lysogenic cycle; General account of viral diseases of plants (mosaic and vein clearing disease). General account of bacterial diseases of plants (Citrus canker, Angular leaf spots of cotton).

LINKS OF THE SESSIONS –

To join the meeting on Google Meet, click this link:

<https://meet.google.com/nsf-dazc-jaa>

Or open Meet and enter this code: nsf-dazc-jaa

SESSIONS 2

To join the meeting on Google Meet, click this link:

<https://meet.google.com/vnr-twai-zxp>

Or open Meet and enter this code: vnr-twai-zxp

SESSIONS 3

To join the meeting on Google Meet, click this link:

<https://meet.google.com/ksb-evyv-dax>

Or open Meet and enter this code: ksb-evyv-dax

SESSIONS 4 –

<https://meet.google.com/xzp-djex-med>

Peer-to-Peer Mentoring Program

Student Learning Centre

Hansraj College

Department: Zoology

Department Program Coordinator: Dr. Priyanka Mehta

Name of the Mentor: Arpit Karan

Course: B.Sc.(H), Zoology

Semester: IV

Platform: Google meet

Date: 22/03/2025

Topic Covered:

- Respiration
- Pulmonary ventilation
- Inhalation and exhalation
- Pulmonary volumes and capacities
- Transport of oxygen and carbon dioxide in the blood
- Bohr effect and Haldane effect

Summary:

During the session, I conducted an interactive teaching session for my classmates focusing on the physiology of the respiratory system. We explored the mechanisms of pulmonary ventilation, detailing the processes of inhalation and exhalation, and discussed various lung volumes and capacities with clinical relevance. Additionally, I explained the transport mechanisms of oxygen and carbon dioxide in the blood, emphasizing the significance of the Bohr and Haldane effects in gas exchange. The session aimed at reinforcing conceptual clarity and promoting peer-to-peer learning under the guidance of Dr. Priyanka Mehta.

Outcome:

The session received positive feedback, with active participation and engagement from peers. Dr. Mehta appreciated the initiative and encouraged similar collaborative learning sessions in the future.

Attendance:

	Arpit Meeting host • Presentation		
	Abhay Chand		
	Aditi 16		
	Akanksha Saklani		
	Chetna Swain		
	Chhavi		
	Diksha Pallavi		
	Harshita Adhana		
	Hrishikesh Tamuli		
	Kanica Gadoo		
	Mudit Varshney		
	Muskan Kachhap		
	Namrata		
	Rohan YDV 76		
			

	Harshita Adhana		
	Hrishikesh Tamuli		
	Kanica Gadoo		
	Mudit Varshney		
	Muskan Kachhap		
	Namrata		
	Rohan YDV 76		
	Sachin		
	sanvi kaushik		
	Shubham		
	Shubhangi Srivastava		
	Tusharr Y		
	Vinamrata54 Kashy		
			

Peer-to-Peer Mentoring Program

Student Learning Centre

Hansraj College

Department: Zoology

Department Program Coordinator: Dr. Priyanka Mehta

Name of the Mentor: Sanvi Kaushik

Course: B.Sc.(H), Zoology

Semester: IV

Platform: Google meet

Date : 5/04/2025

Topic Covered:

Physiology of the female reproductive system

Oogenesis

Folliculogenesis

Menstrual Cycle

Hormonal Feedback mechanisms

Summary

During the session, I conducted an interactive teaching session for my classmates focusing on the physiology of the female reproductive system. I began by providing a basic introduction to the organs involved, explaining both their structure and function. I used diagrams to make it easier to understand and also explained the menstrual cycle, breaking it down into phases and the hormones that regulate it.

Throughout the session, I tried to keep the explanations simple so that everyone could follow along easily. I also encouraged questions and discussion.

Outcome:

Overall, it was a great experience for me to share what I had learned and to revise the topic more deeply. The feedback I received from classmates was positive, and I feel more confident about my understanding of the chapter after teaching it. Dr. Mehta appreciated the initiative and encouraged similar collaborative learning sessions in the future.

Attendance

1. Arpit Karan

2. Chetana Swain
3. Shubhangi Srivastava
4. Shubham Suman
5. Tushar Yadav
6. Bhinderjeet Sharma
7. Hrishikesh Tamuli

Peer-to-Peer Mentoring Program
Student Learning Centre
Hansraj College

Department: Zoology

Department Program Coordinator: Dr. Priyanka Mehta & Dr. Kaveri

Name of the Mentor: Bhinderjeet Sharma

Course: B.Sc.(H), Zoology

Semester: IV

Platform: Google meet

Date: 26/04/2025

Topic covered:

- Pyridine & pyrrole
- Aromaticity order
- Reactivity towards electrophiles
- Reasoning Questions

Summary

During the session, I conducted an interactive teaching session for my classmates on key concepts of Organic Chemistry. The session began with a detailed comparison of heterocyclic aromatic compounds pyridine and pyrrole, focusing on their structural features, aromaticity, and electronic properties. We then explored the aromaticity order of different compounds, understanding the influence of lone pairs, electronegativity, and resonance on stability. The third segment of the session discussed the reactivity of these heterocycles towards electrophilic substitution reactions, explaining why pyrrole is more reactive than pyridine. Finally, we engaged in solving reasoning-based conceptual questions to apply the discussed concepts, enhancing clarity and critical thinking. The session was designed to promote active peer-to-peer learning and was conducted under the guidance of Dr. Kaveri and Dr. Priyanka Mehta.

Outcome:

The session was well-received by the participants, with active involvement and enthusiastic responses during discussions. Peer feedback highlighted that the topic was made simpler and more understandable. The mentor appreciated the effort and encouraged conducting more such collaborative learning sessions in future.

Attendance:

Diksha Pallavi

Saksham kataria

Jiya Verma
Aditi Nigham
Rohan Kumar
Rohan kant Verma
Ayushi

Peer-to-Peer Mentoring Program

Student Learning Centre

Hansraj College

Department: Zoology

Department Program Coordinator: Dr. Priyanka Mehta

Name of the Mentor: Akanksha

Course: B.Sc.(H), Zoology

Semester: IV

Platform: Google meet

Topic Covered:

- Ecology
- Levels of Ecological Organization
- Components of Ecosystem
- Ecological pyramids
- Biogeochemical Cycles
- Ecological succession

Summary:

I conducted a Mentor-Mentee session as a peer mentor for my classmates on the topic of Ecology. The session lasted for one hour and was attended by around 12 to 18 students. The participants were highly interactive, engaging actively in discussions and asking insightful questions throughout the session. I utilized a well-prepared PowerPoint presentation with informative slides to explain key ecological concepts, which helped in simplifying complex topics for better understanding. Visual aids, examples, and diagrams made the learning process more effective and enjoyable. Overall, the session was productive, with positive feedback from peers. It enhanced not only their knowledge of ecology but also improved my teaching and presentation skills significantly.

Outcome:

The session received extremely positive feedback, with active participation, instant query solving and engagement from peers. Dr. Mehta appreciated the initiative and encouraged similar collaborative learning sessions in the future.

Attendance:

	Arpit Meeting host • Presentation		
	Abhay Chand		
	Aditi 16		
	Akanksha Saklani		
	Chetna Swain		
	Chhavi		
	Diksha Pallavi		
	Harshita Adhana		
	Hrishikesh Tamuli		
	Kanica Gadoo		
	Mudit Varshney		
	Muskan Kachhap		
	Namrata		
	Rohan YDV 76		





**Peer-to-Peer Mentoring Program
Student Learning Centre
Hansraj College**

Month and Year: November 2024-March 2025

Department: Zoology

Department Program Coordinator: Dr. Amit Yadav

Name of the Mentor: Shubham Suman

Course: B.Sc.(H), Zoology

Semester: IV

Platform: Google meet

Date and time: 19/04/2024 & 11.00 AM

Topics Covered:

This Presentation was on Vedic Maths' basic formulas and sutras , as per the VAC syllabus of Vedic Maths-I . Ancient techniques for simplifying complex calculations were introduced . This presentation aimed to equip students with quick methods for arithmetic operations using Vedic sutras.

The session was led by **Shubham Suman**, while **Dr Amit Yadav Sir** efficiently coordinated the program.

Conclusion : A Vedic Maths mentoring session was successfully conducted to enhance students' mathematical skills. The session focused on simplifying complex calculations using different tricks. Students learned sutras (formulas) for rapid addition, subtraction, multiplication, and division. Participants were amazed by the speed and accuracy of Vedic Maths methods. This session helped students gain confidence and improve problem-solving skills. It encouraged curiosity and a positive attitude toward mathematics. Overall, it was an enriching experience that promoted faster and smarter ways to approach maths.

The image displays three screenshots of a Vedic Maths mentoring session, each showing a different mathematical concept:

- CUBING OF A NUMBER:** The first screenshot shows the formula for cubing a number, $a^3 = (a+2d)(a+2d-2d)(a+2d+2d)$, and a worked example for $12^3 = (12+2 \times 2)(12-2 \times 2)(12+2 \times 2) = 1728$.
- DIVISION:** The second screenshot shows the Division method, including the formula for finding the quotient and remainder, and a worked example for $1769 \div 42$.
- MULTIPLICATION:** The third screenshot shows the Multiplication method, including the formula for finding the product, and a worked example for $12 \times 7 = 84$.

Each screenshot also shows the status "Shubham is presenting" and the number of participants in the session.

The image shows a screenshot of a WhatsApp group chat titled "chy-pmqq-czp". The chat interface displays a list of participants, including Vinamrata54, Ronit, Shubhangi, Vasundhara, Jyoti, Chetna, and others. The chat also shows a list of messages and a status bar at the top indicating the time and battery level.