



Miranda House

UNIVERSITY OF DELHI

Departmental Annual Report – 3

Departmental Activities: Curriculum and Beyond

Department: Zoology

Academic Year: 2024-25

Part A.1

Students undertaking project work/field work/internship as part of the experiential learning component of coursework

Programme: B.Sc (Hons) Zoology (NEP-UGCF) and B.Sc Life Science (NEP-UGCF)

Semester: Semester-I, II, III, IV, V and VI

Course/Papers: DSC, GE, DSE, SEC, VAC

Course Code: 569

ODD SEMESTER PAPERS with UPC

Paper Type	Paper Name	UPC
Semester I		
DSC-1	Non-chordates: Protists to Pseudocoelomates	2232011101
DSC-2	Biology of Cell: Structure and Function	2232011102
DSC-3	Concepts of Ecology	2232011103
SEC-1	Apiculture	2236000001
VAC-1	Swachh Bharat	6967000018
GE-1	Exploring the Animal World	2234001001
DSC-LS-1	Diversity of Animal	2232521101
Semester III		
DSC-7	Diversity of Chordata	2232012301
DSC-8	Biochemistry: Metabolic Processes	2232012302
DSC-9	Human Physiology - Life Sustaining Systems	2232012303
VAC-3	Ayurveda and Nutrition	6967000001
DSE-3	Medical Zoology	2233012003
DSC-LS-3	Biochemistry: Basic concepts of metabolism	2232522301



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Semester V		
DSC-13	Principles of Immunology	2232013501
DSC-14	Cell and Molecular Biology	2232013502
DSC-15	Fundamentals of Genetics	2232013503
SEC-5	Public health, hygiene and nutrition	2206000018
GE-5	Animal Cell Biotechnology	2234000007
DSE-5A	Chronobiology	2233010009
DSE-5B	Reproductive Biology and Assisted Reproductive Technology	2233010013
DSC-LS-5	Evolutionary Ecology	2232523501

EVEN SEMESTER PAPERS with UPC

Paper Type	Paper Name	UPC
Semester II		
DSC-4	Non-chordates: Coelomates	2232011201
DSC-5	Fundamentals of Biomolecules	2232011202
DSC-6	Human Physiology: Control and Coordination Systems	2232011203
SEC-2A	Sericulture-I: Mulberry Silkworm Rearing	6016000001
SEC-2B	Apiculture	2236000001
VAC-2	Ayurveda and Nutrition	6967000001
GE-2	Economic Zoology	2234001205
DSC-LS-2	Cell and Developmental Biology of Animals	2232521201
Semester IV		
DSC-10	Comparative Anatomy of Vertebrates	2232012401
DSC-11	Developmental Biology	2232012402
DSC-12	Animal Behaviour	2232012403
SEC-4A	Drosophila and Zebrafish model organism in biological studies	6146000001
SEC-4B	Public Health, Hygiene and Nutrition	2206000018
VAC-4	Swachh Bharat	6967000018
DSC-LS-4	Fundamentals of Human Physiology	2232522401
Semester VI		
DSC-16	Animal Biotechnology	2232013601
DSC-17	Methods in Biostatistics	2232013602
DSC-18	Evolutionary Biology	2232013603
SEC-6	Sericulture-IV: Application of Sericulture in Therapeutic and Cosmetic Industry	
GE-6	Concepts of Animal Behaviour	2234000009



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DSE-6	Research Methodology	2233010017
DSC-LS-3	Basics of Immunology	2232523601

Faculty: Dr. Nisha Vashishta, Prof. Rekha Kumari, Dr. Jyoti Arora, Prof. Sadhana Sharma, Dr. Monika Sharma, Dr. Simran Jit, Dr. Pooja Suman, Dr. Deepak Yadav, Ms. Saba Zulfiquar, Dr. Shivani Kumari, Dr. Reetuparna Basak, Dr. Bhawna Chuphal and Dr. Joni Yadav

Dr. Reetuparna Basak and Dr. Shivani Kumari

The following students of B.Sc (H) Zoology submitted **Project Reports (based on field study)** on the below-mentioned topics as part of their curriculum of **DSC paper Methods in Biostatistics (UPC 2232013602)**:

S.No.	Name	Topic
1	BHARTI NAUHVAR (2022/1620)	Effect of different sound frequencies on productivity and focus
2	KRISHNA KANWAR SHEKHAWAT (2022/557)	Effect of different sound frequencies on productivity and focus
3	SWASTIKA SANSKRITI (2022/1637)	Effect of different sound frequencies on productivity and focus
4	VASUNDRA BHAN (2022/1605)	Effect of different sound frequencies on productivity and focus
5	YUKTA SHARMA (2022/1627)	Effect of different sound frequencies on productivity and focus
6	ARYAN PATHAK (2022/1368)	Effect of sleeping hours and screentime on retention span
7	HIMANSHI JOSHI (2022/1599)	Effect of sleeping hours and screentime on retention span
8	MEHAK CHADHA (2022/1386)	Effect of sleeping hours and screentime on retention span
9	SAKSHI SHRIYA (2022/1592)	Effect of sleeping hours and screentime on retention span
10	REENI CHOPRA (2022/902)	Effect of sleeping hours and screentime on retention span
11	SHELLY CHAUHAN (2022/1055)	Effect of sleeping hours and screentime on retention span
12	ANANYA GUPTA (2022/106)	Difference in hearing capacity between human male and female
13	DEEKSHA BAGHEL (2022/272)	Difference in hearing capacity between human male and female
14	PALLAVI SINGH (2022/1461)	Difference in hearing capacity between human male and female
15	PRIYANSHI RAWAT (2022/865)	Difference in hearing capacity between human male and female
16	SHIPRA TIWARI (2022/1414)	Difference in hearing capacity between human male and female
17	SNEHA CHHONKAR (2022/1427)	Difference in hearing capacity between human male and female
18	SNEHA RAINA (2022/1139)	Impact of social media addiction on stress and sleep quality
19	TARANJOT KOUR (2022/1234)	Impact of social media addiction on stress and sleep quality
20	PRIYANKA (2022/1614)	Impact of social media addiction on stress and sleep quality
21	SUPRIYA (2022/1179)	Impact of social media addiction on stress and sleep quality
22	ESHIKA (2022/1374)	Impact of social media addiction on stress and sleep quality
23	AMREET KAUR (2022/93)	Impact of social media addiction on stress and sleep quality
24	MANSI RAJ (2022/622)	Impact of social media addiction on stress and sleep quality
25	NITIGYA AYUSHI JHA (2022/1449)	Establishing a correlation between menstrual pain and nutritional intake
26	SHIKHA (2022/1413)	Establishing a correlation between menstrual pain and nutritional intake



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27	AKANSHA (2022/71)	Relationship between Gender and Physical activity with reaction time
28	ANUKRATI SINGH (2022/169)	Relationship between Gender and Physical activity with reaction time
29	ANUSHKA GANGWAR (2022/174)	Relationship between Gender and Physical activity with reaction time
30	BHAVNA MEENA (2022/1647)	Relationship between Gender and Physical activity with reaction time
31	KRISHNA SHARMA (2022/1455)	Relationship between Gender and Physical activity with reaction time
32	KUMARI MANSHEE (2022/570)	Relationship between Gender and Physical activity with reaction time
33	PIYA SOMANI (2022/785)	Relationship between Gender and Physical activity with reaction time
34	REENA MEENA (2022/1606)	Relationship between Gender and Physical activity with reaction time
35	RISHA RIFAT (2022/926)	Relationship between Gender and Physical activity with reaction time
36	SANVIDHA DHARMENDRA GAJBHIYE (2022/1512)	Relationship between Gender and Physical activity with reaction time
37	SAPNA MEENA (2022/1408)	Relationship between Gender and Physical activity with reaction time

The following students of B.Sc Life Science submitted a **Research Article/Review** on the below mentioned topics as part of their curriculum of **DSE paper Research Methodology (UPC 2233010017)**:

S.No.	Name	Topic
1	HIRAL MEENA	Effect of Intermittent Fasting on Energy Levels and Cognitive Performance
2	MUGDHA SETH	Effect of Intermittent Fasting on Energy Levels and Cognitive Performance
3	RESHU PAMNANI	Effect of Intermittent Fasting on Energy Levels and Cognitive Performance
4	SNEHA ARORA	Effect of Intermittent Fasting on Energy Levels and Cognitive Performance
5	ANIK KESHRI	Effect of sedentary lifestyle on Posture and musculoskeletal health in students
6	JYOTSANA	Effect of sedentary lifestyle on Posture and musculoskeletal health in students
7	KRITI SINGH	Effect of sedentary lifestyle on Posture and musculoskeletal health in students
8	MEGHA	Effect of sedentary lifestyle on Posture and musculoskeletal health in students
9	SANSKRITI	Effect of sedentary lifestyle on Posture and musculoskeletal health in students
10	SURBHI TIKANIA	Effect of sedentary lifestyle on Posture and musculoskeletal health in students
11	ADEEBA AHMED	Exploring the Link Between Sleep Disturbance and Perceived Stress: A Comparative Analysis Among Science and Humanities Students at Miranda House
12	INSHA QURESHI	Exploring the Link Between Sleep Disturbance and Perceived Stress: A Comparative Analysis Among Science and Humanities Students at Miranda House



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13	SOMYA SINHA	Exploring the Link Between Sleep Disturbance and Perceived Stress: A Comparative Analysis Among Science and Humanities Students at Miranda House
14	VARTIKA RAWAT	Exploring the Link Between Sleep Disturbance and Perceived Stress: A Comparative Analysis Among Science and Humanities Students at Miranda House
15	RITIKA SHARMA	The Role of Sedentary Habits in Increased PCOS Vulnerability
16	RIYA RATHI	The Role of Sedentary Habits in Increased PCOS Vulnerability
17	ARSHA P S	To establish a correlation between performance of close visual tasks and blink rate
18	ARSHIA KRISHNAKUMAR	To establish a correlation between performance of close visual tasks and blink rate
19	DIVYANSHI SONI	To establish a correlation between performance of close visual tasks and blink rate
20	KEERTANA JAISHANKAR	To establish a correlation between performance of close visual tasks and blink rate
21	PAAKHI BANSAL	To establish a correlation between performance of close visual tasks and blink rate
22	SAKSHI SIHAG	To establish a correlation between performance of close visual tasks and blink rate
23	GOURI RAWAT	To test the impact of Body Fat percentage on Abdominal Strength & Flexibility
24	NANDINI RANA	To test the impact of Body Fat percentage on Abdominal Strength & Flexibility
25	SHAHINA IMAM	To test the impact of Body Fat percentage on Abdominal Strength & Flexibility
26	SWETA KUMARI	To test the impact of Body Fat percentage on Abdominal Strength & Flexibility
27	YASHNA VATS	To test the impact of Body Fat percentage on Abdominal Strength & Flexibility



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On 2nd September 2024, the Department organized an educational visit to the **International Toilet Museum**, New Delhi, for 31 students under the **VAC paper Swacch Bharat**. The visit offered an engaging overview of sanitation systems, menstrual hygiene management, and biogas treatment technologies. Through interactive exhibits and discussions, students gained awareness of public health challenges and sustainable sanitation solutions, making the visit both informative and socially meaningful. Students submitted reports on the visit.

Following students submitted project reports for the visit.

S/No.	Roll No.	Name
1	1557	AAKRITI
2	1440	AAKRITI RAJ
3	1666	ALIZA S KHAN
4	997	ANKITA
5	1753	ANUSHKA JAIN
6	1789	ARPITA KUMARI
7	1282	BHAGVANI
8	322	BHAWNA
9	562	CHHAVI PAL
10	1310	DEEPTI
11	1266	DEVADYUTI DAS
12	1021	HEETAL PANDITA
13	263	KATTA MAHA LAKSHMI
14	1642	KHUSHI
15	809	MUSKAN
16	455	NITANSHI MISHRA
17	1252	OJAS RAINA
18	173	PARINIKHA KHANNA
19	1661	PRAGYA MURUGAVEL
20	767	PRANJALI
21	592	PRIYANKA
22	1281	RASHMI GUPTA
23	1823	Rishika Kumari
24	266	SAKSHI SINGH
25	623	SIYA
26	68	SUHANI KUMARI
27	820	SUMAN
28	432	SWATI KUMARI
29	1369	SWATI KUMARI
30	792	UPASANA SAHDEV
31	1469	AYUSHI KUMARI

Dr. Deepak



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An educational visit to the National Zoological Park, Delhi, was organized by the Department for the B.Sc.(H) Zoology Semester 4 students under the curriculum of “Comparative Anatomy of Vertebrates” on 13th February, 2025.

The following students of B.Sc (H) Zoology submitted **Project Reports of their visit**

	Name
1.	AKANSHA (2022/71)
2.	AMREET KAUR (2022/93)
3.	ANANYA GUPTA (2022/106)
4.	ANUKRATI SINGH (2022/169)
5.	ANUSHKA GANGWAR (2022/174)
6.	ARYAN PATHAK (2022/1368)
7.	BHARTI NAUHVAR (2022/1620)
8.	BHAVNA MEENA (2022/1647)
9.	DEEKSHA BAGHEL (2022/272)
10.	ESHIKA (2022/1374)
11.	HIMANSHI JOSHI (2022/1599)
12.	KRISHNA KANWAR SHEKHAWAT (2022/557)
13.	KRISHNA SHARMA (2022/1455)
14.	KUMARI MANSHEE (2022/570)
15.	MANSI RAJ (2022/622)
16.	MEHAK CHADHA (2022/1386)
17.	NITIGYA AYUSHI JHA (2022/1449)
18.	PALLAVI SINGH (2022/1461)
19.	PIYA SOMANI (2022/785)
20.	PRIYANKA (2022/1614)
21.	PRIYANSHI RAWAT (2022/865)
22.	REENA MEENA (2022/1606)
23.	REENI CHOPRA (2022/902)
24.	RISHA RIFAT (2022/926)
25.	SAKSHI SHRIYA (2022/1592)
26.	SANVIDHA DHARMENDRA GAJBHIYE (2022/1512)
27.	SAPNA MEENA (2022/1408)
28.	SHELLY CHAUHAN (2022/1055)
29.	SHIKHA (2022/1413)
30.	SHIPRA TIWARI (2022/1414)
31.	SNEHA CHHONKAR (2022/1427)
32.	SNEHA RAINA (2022/1139)
33.	SUPRIYA (2022/1179)



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34.	SWASTIKA SANSKRITI (2022/1637)
35.	TARANJOT KOUR (2022/1234)
36.	VASUNDRA BHAN (2022/1605)
37.	YUKTA SHARMA (2022/1627)



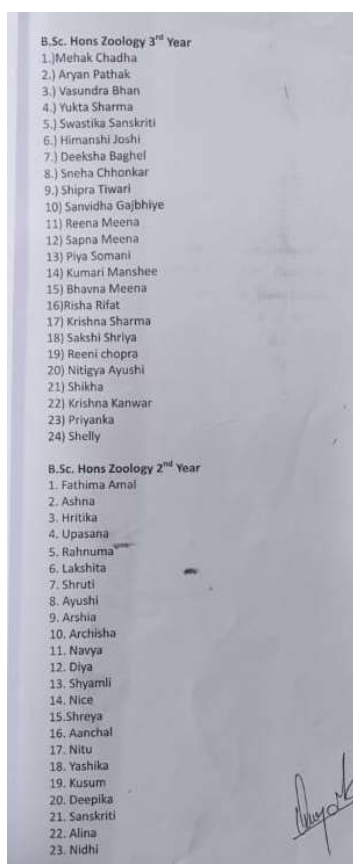
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Prof. Rekha Kumari and Dr. Deepak

From April 11th to 15th, 2025, a curriculum-based **field trip for B.Sc. Hons Zoology 2nd year and B.Sc. Hons Zoology 3rd year for the paper Comparative Anatomy of Vertebrates, Animal Behaviour and Biotechnology** was organized to Manali Wild life Sanctuary, Manali Zoo and Biotechnology Institute, Manali, providing students with a hands-on learning experience in a scenic and strategically significant region.

The following students of B.Sc. (H) Zoology submitted **Project Reports of their visit**





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Prof. Rekha Kumari

An educational visit to CSIR - Institute of Genomics and Integrative Biology, **Mall Road**, Delhi was organized on 11th April 2025, **B.Sc. Hons Zoology 3rd year for the paper Animal Biotechnology.**

The following students of B.Sc. (H) Zoology submitted **Project Reports of their visit:**

	Name
1.	AKANSHA (2022/71)
2.	AMREET KAUR (2022/93)
3.	ANANYA GUPTA (2022/106)
4.	ANUKRATI SINGH (2022/169)
5.	ANUSHKA GANGWAR (2022/174)
6.	ARYAN PATHAK (2022/1368)
7.	BHARTI NAUHVAR (2022/1620)
8.	BHAVNA MEENA (2022/1647)
9.	DEEKSHA BAGHEL (2022/272)
10.	ESHIKA (2022/1374)
11.	HIMANSHI JOSHI (2022/1599)
12.	KRISHNA KANWAR SHEKHAWAT (2022/557)
13.	KRISHNA SHARMA (2022/1455)
14.	KUMARI MANSHEE (2022/570)
15.	MANSI RAJ (2022/622)
16.	MEHAK CHADHA (2022/1386)
17.	NITIGYA AYUSHI JHA (2022/1449)
18.	PALLAVI SINGH (2022/1461)
19.	PIYA SOMANI (2022/785)
20.	PRIYANKA (2022/1614)
21.	PRIYANSHI RAWAT (2022/865)
22.	REENA MEENA (2022/1606)
23.	REENI CHOPRA (2022/902)
24.	RISHA RIFAT (2022/926)
25.	SAKSHI SHRIYA (2022/1592)
26.	SANVIDHA DHARMENDRA GAJBHIYE (2022/1512)
27.	SAPNA MEENA (2022/1408)
28.	SHELLY CHAUHAN (2022/1055)
29.	SHIKHA (2022/1413)
30.	SHIPRA TIWARI (2022/1414)



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31.	SNEHA CHHONKAR (2022/1427)
32.	SNEHA RAINA (2022/1139)
33.	SUPRIYA (2022/1179)
34.	SWASTIKA SANSKRITI (2022/1637)
35.	TARANJOT KOUR (2022/1234)
36.	VASUNDRA BHAN (2022/1605)
37.	YUKTA SHARMA (2022/1627)

Dr. Reetuparna Basak

An educational visit to Vallabhbhai Patel Chest Institute as part of curriculum for DSE paper Medical Zoology of B.Sc students of Miranda House, University on 17 October 2024.

Telegram : "CHEST" DELHI

E-mail : admin@vpci.org.in
Telefax : +91 (011) 27666649
Phone : +91 (011) 27402400
Website : www.vpci.org.in



VALLABHBHAI PATEL CHEST INSTITUTE
University of Delhi, P.O. Box No. 2101
Delhi - 110 007, India

VPCI/Admin.II/Training/2024/ 1186

17 October, 2024

Dr. Reetuparna Basak
Department of Zoology
Miranda House
University of Delhi
Delhi - 110 007
E-mail: reetuparna.basak@mirandahouse.ac.in

Sub.: Permission for educational visit of B.Sc. Students of Miranda House – reg.

Madam,

With reference to your e-mail dated 19th September, 2024 on above mentioned subject, as the approval for visit was already conveyed vide Institute letter dated 19.12.2023, you are requested to coordinate with the following regarding visit of students and two faculties:

Prof. Malini Shariff Director-Professor Department of Microbiology, VPCI Mobile: 9818510536 E-mail: malini.shariff@gmail.com	Prof. Ritu Kulshreshtha Director-Professor Department of Pathology, VPCI Mobile: 9891334373 E-mail: ritukumar71@yahoo.com
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Thanking You,

Yours faithfully

Assistant Registrar
(Admin-II)

Copy to:

- PS to Director – for information to the Director
- Prof. Malini Shariff, Director-Professor & Head, Dept. of Microbiology
- Prof. Mandira Varma Basil, Director Professor, Dept. of Microbiology
- Prof. Ritu Kulshreshtha, Director Professor, Dept. of Pathology
- Master copy



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The following students of DSE paper Medical Zoology submitted a report on **Educational Visit to a Research Institute** as part of their curriculum after visiting Vallabhbhai Patel Chest Institute, New Delhi on 17 October 2024:

Sr. No.	Student_Name	Exam roll no.	Sr. No.	Student_Name	Exam roll no.
1	Ananya Das	23047583001	16	Preeti Kumari	23047583026
2	Anushka Tyagi	23047583002	17	Priya mishra	23047583027
3	Arushi	23047583003	18	Richa Yadav	23047583029
4	Bipasha panth	23047583007	19	Saakshi Ranjan	23047583030
5	Diksha Dev	23047583008	20	Seerat Jahan	23047583032
6	Ginita yadav	23047569017	21	Shreya Anand	23047583033
7	Hritika Arya	23047569018	22	Shreya Mukherjee	23047583034
8	Kavitha Paul	23047583014	23	Sonika Meena	23047583036
9	Khushi	23047583015	24	Stuti Lamba	23047583040
10	Komal Yadav	23047583016	25	Suhani Khandelwal	23047583041
11	Lipi Singh	23047583017	26	Taniya kandpal	23047583042
12	Mishti Mehra	23047583020	27	Unnati Tailor	23047583045
13	Mohinee Mishra	23047583021	28	Vanshika Chandna	23047583046
14	Nikita Dhyani	23047583023	29	Vidisha Mitra Gautam	23047583047
15	Nirjal Jha	23047583024			



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An educational visit to Yamuna Biodiversity Park as part of the curriculum of **DSC paper Diversity of Animals** for **B.Sc Life Sciences** students of Miranda House, University of Delhi, on 11 December 2024.

Dated: 03.12.2024

The Principal
Miranda House
University of Delhi
New Delhi-110007

Subject: Permission for a visit to Yamuna Biodiversity Park

Dear Madam,

This is to bring to your kind notice that as per the syllabus of DSC paper Diversity of Animals, we are planning to organise a visit to Yamuna Biodiversity Park for understanding the wide variety of animals present in an ecosystem of a biodiversity park. Please permit us to organize this visit on December 11, 2024. 59 Students (List Attached) of B.Sc Life Sciences I year will be going for the visit along with 3 teachers (Dr. Pooja Suman, Dr. Reetuparna Basak and Dr. Joni Yadav) and 2 lab staffs.

With warm regards,

Sincerely

Reetuparna Basak

Dr. Reetuparna Basak

Assistant Professor
Department of Zoology

Relu
3/12/2024

Permission granted
B.S.
3/12/24





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The following students of B.Sc Life Science 1st year submitted a report on **Educational Visit to a Biodiversity Park** as part of their curriculum for paper Diversity of Animals after visiting Yamuna Biodiversity Park, New Delhi on 11 December 2024:

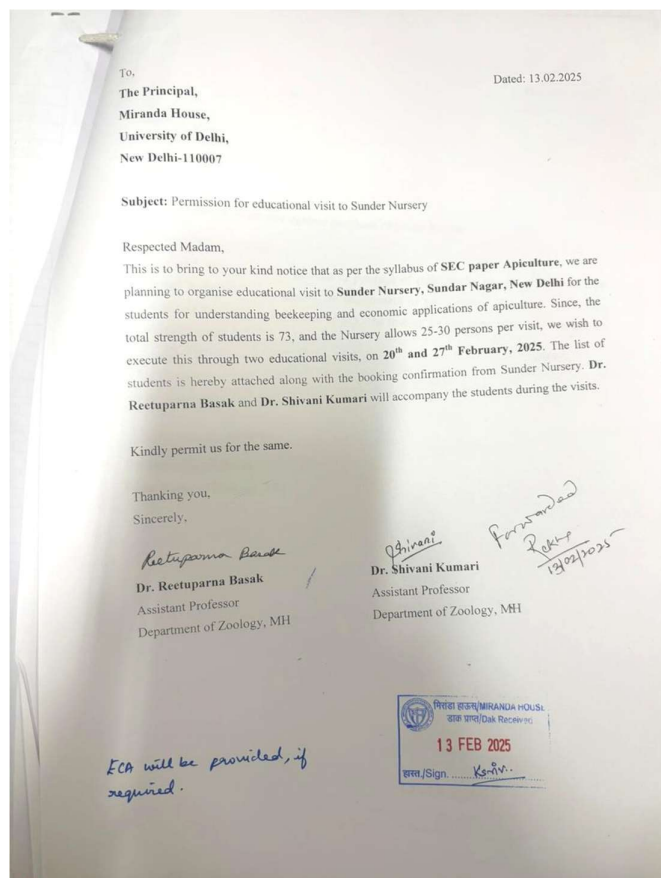
S.No.	Roll Number	Name	S.No.	Roll Number	Name
1	1569	AASHIMA YADAV	21	729	MAHIM FATIMA
2	288	AKANSHA SINGH	22	1766	MANJARI SAXENA
3	18	ANANNYA JHA	23	1533	MUSKAN
4	1586	ANANYA PANDEY	24	1511	PALAK
5	492	ANSHI TYAGI	25	565	PARUL
6	1494	ANSHIKA BHARDWAJ	26	1502	PRATISHTHA DINKAR
7	1122	ANUSHKA BHARTI	27	1248	PRATYAKSHA RATAN
8	30	ASHMI MALIK	28	61	PRIYA BADLANI
9	1698	ASHWIKA RAYAMAJHI	29	1495	PURNIMA
10	1501	DEEPIKA	30	818	RAFIA TUBA
11	457	DURGESH NANDINI	31	951	RIGZIN CHOROL
12	13	GARIMA SINGH	32	1666	RISHITA
13	1498	GAURAL CHOUDHARY	33	1790	SAIJAL YADAV
14	557	HARSHITA RACHE	34	1316	SANVI GARG
15	1577	HARSHPREET KAUR	35	984	SHAYNA KHAN
16	1490	JYOTI	36	1516	SHREYA PARRI BAKSHI
17	993	JYOTIKA	37	883	SNEHA BEHERA
18	504	KARMJEET KAUR	38	514	SRISHTI BHATT
19	1326	KIRAN	39	1076	VAISHALI RAJ
20	1874	KUMARI ANU	40	1825	VIBHUTI PATHAK
			41	1318	YASHIKA



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Dr. Reetuparna Basak and Dr. Shivani Kumari

A visit to Sunder Nursery as part of the SEC paper Apiculture for students of Miranda House, University of Delhi, on 20 February 2025 and 20 March 2025.



REETUPARNA BASAK <reetuparna.basak@mirandahouse.ac.in>

Re: Know the Bee workshop 20.02.2025 and 20.03.2025.

1 message

Golden Hive <goldenhivefoundation@gmail.com>
To: REETUPARNA BASAK <reetuparna.basak@mirandahouse.ac.in>
Cc: shivani.kumari@mirandahouse.ac.in

Wed, Apr 2, 2025 at 7:17 PM

Dear Dr. Reetuparna,

Thank you for sharing the evaluation.

Was the response similar for both the workshops?

I think there is a need to engage with the students who have voiced/indicated their genuine concern while evaluating the workshops.

This will actually help us evolve to the genuine expectations of the apiculture students.

Best wishes,

Rakesh Gupta

On Tue, 1 Apr 2025, 07:45 REETUPARNA BASAK, <reetuparna.basak@mirandahouse.ac.in> wrote:

Dear Sir,

PFA Feedback from students of Apiculture paper of Miranda House regarding their visit to Sunder Nursery and workshop organized by Bee Hive Foundation on 20th February and 20th March, 2025.

Thank you for providing us this experience and knowledge.

Regards,

Dr. Reetuparna Basak

On Thu, Mar 20, 2025 at 6:23 PM Golden Hive <goldenhivefoundation@gmail.com> wrote:
As desired,

Dr. Reetuparna Basak
Assistant Professor
Department of Zoology
Miranda House
University of Delhi
Delhi - 110007



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The following students of SEC paper Apiculture submitted a report on **Visit to an Apiary** after visiting Sundar Nursery, Delhi on 20th February and 20th March 2025:

S.No.	Name	S.No.	Name
1	AGRIMA SINGH (2024/264)	34	VARSHA (2024/1816)
2	AKANCHHA KUMARI (2024/733)	35	AARZOO KUMAR (2024/793)
3	AKANKSHA RAWAT (2024/1781)	36	AASTHA RAI VERMAN (2024/1753)
4	ANNU DEVI (2024/1579)	37	AKANSHA (2024/555)
5	ANUSHKA LAKRA (2024/1319)	38	ANSHIKA MISHRA (2024/1348)
6	ANUSHKA YADAV (2024/1186)	39	ANUSHKA BHARTI (2024/1122)
7	APURVA CHOUDHARY (2024/1033)	40	ASHWIKA RAYAMAJHI (2024/1698)
8	AVNI TYAGI (2024/14)	41	HARSHITA MEGHWAL (2024/622)
9	GAURI SHARMA (2024/193)	42	HARSHITA RACHE (2024/557)
10	GAYATRI MUNJAL (2023/407)	43	JYOTI (2024/1490)
11	HRIDAYEE MEHRA (2024/433)	44	JYOTIKA (2024/993)
12	KAANKSHAA SHARMA (2024/1782)	45	KHUSHBOO (2024/1246)
13	KAJAL (2024/1588) (24047516080)	46	KHUSHI (2024/1812) (24047530084)
14	KAMYA MITTAL (2024/1750)	47	KHUSHI (2024/937) (24047569007)
15	MAHAK MEENA (2024/1873)	48	KOMAL (2024/908)
16	MAHIKA PAWAR (2024/620)	49	MAHIM FATIMA (2024/729)
17	MANSI YADAV (2024/120)	50	MUSKAN TIWARI (2024/505)
18	MANYA MARWAH (2024/1485)	51	NEETU HANSHIWAL (2024/660)
19	MEHAK THAPA (2024/1689)	52	POOJITA MANDAL (2024/1654)
20	MOHINI (2024/592)	53	PRAGYA (2024/748)
21	MUSKAN MANDELIYA (2024/605)	54	PRATISHTHA DINKAR (2024/1502)
22	NEHA (2024/847)	55	PRIYANKA (2024/639)
23	NIHARIKA SINGH (2024/1059)	56	RAFIA TUBA (2024/818)
24	PRIYANKA SINGH (2024/460)	57	RIGZIN CHOROL (2024/951)
25	RISHIKA TIBREWAL (2024/1751)	58	SALVA RAJA RAAGA DHANMAIYAA (2024/141)
26	RITIKA KUSHWAHA (2024/595)	59	SAUMYA YADAV (2024/799)
27	RUKMINI ALEXANDRA PAREDES ZEPPENFELDT (2024/1699)	60	SIMRAN KUMARI (2024/280)
28	SAKSHI KUMARI (2024/966)	61	SRISHTI BHATT (2024/514)
29	SMRITI PRIYA (2024/1482)	62	STANZIN CHOZOM (2024/1321)
30	SNEHA CHATTERJEE (2024/876)	63	SUBARNA GUPTA (2024/1819)
31	SRAVANI PAI (2024/1748)	64	TARUSHI SANWAL (2024/506)



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32	TANIYA (2024/196)	65	VIBHUTI PATHAK (2024/1825)
33	VANSHIKA (2024/429)	66	YUVIKA YADAV (2024/1438)

Part A.2

Students undertaking project work/field work/internship (beyond the requirements of coursework)

Following students participated in the 6- weeks long DSKC Summer Workshop 2024-25

S.No.	Name of the Student	Course	Department	College/Institute/University	Project Title	Name of the Mentors
1	Diya Bamba	Bsc. (H) Zoology Sem-2	Zoology	Miranda House, University of Delhi	Ashwagandha Alchemy: a synergistic symphony of gut microbes and developmental shifts in <i>Drosophila melanogaster</i> .	Dr. Nisha Vashishta, Dr. Pooja Suman and Dr. Bhawna Chuphal
2	Ayushi	Bsc. (H) Zoology Sem-2	Zoology	Miranda House, University of Delhi	Ashwagandha Alchemy: a synergistic symphony of gut microbes and developmental shifts in <i>Drosophila melanogaster</i> .	Dr. Nisha Vashishta, Dr. Pooja Suman and Dr. Bhawna Chuphal
3	Kusum Gupta	Bsc. (H) Zoology Sem-2	Zoology	Miranda House, University of Delhi	Ashwagandha Alchemy: a synergistic symphony of gut microbes and developmental shifts in <i>Drosophila melanogaster</i> .	Dr. Nisha Vashishta, Dr. Pooja Suman and Dr. Bhawna Chuphal
4	Paakhi Bansal	Bsc. (P) Life Science Sem-2	Zoology	Miranda House, University of Delhi	Ashwagandha Alchemy: a synergistic symphony of gut microbes and developmental shifts in <i>Drosophila melanogaster</i> .	Dr. Nisha Vashishta, Dr. Pooja Suman and Dr. Bhawna Chuphal



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5	Richa Yadav	Bsc. (P) Life Science Sem-2	Zoology	Miranda House, University of Delhi	Ashwagandha Alchemy: a synergistic symphony of gut microbes and developmental shifts in <i>Drosophila melanogaster</i> .	Dr. Nisha Vashishta, Dr. Pooja Suman and Dr. Bhawna Chuphal
6	Arshdeep Kaur	Bsc.(H) Biological Sciences Sem-4	Zoology	Sri Venkateswara College, University of Delhi	Flax to Fly: Concentration dependent effects on Morphometrics and Behavioral Dynamics in <i>Drosophila</i> .	Dr. Nisha Vashishta, Dr. Pooja Suman and Dr. Bhawna Chuphal
7	Harsh Kumar Rai	Bsc.(H) Biological Sciences Sem-4	Zoology	Sri Venkateswara College, University of Delhi	Flax to Fly: Concentration dependent effects on Morphometrics and Behavioral Dynamics in <i>Drosophila</i> .	Dr. Nisha Vashishta, Dr. Pooja Suman and Dr. Bhawna Chuphal
8	Pooja Pahel	Bsc. (H) Zoology Sem-6	Zoology	Daulat Ram College, University of Delhi	Flax to Fly: Concentration dependent effects on Morphometrics and Behavioral Dynamics in <i>Drosophila</i> .	Dr. Nisha Vashishta, Dr. Pooja Suman and Dr. Bhawna Chuphal
9	Sonia	Bsc. (H) Zoology Sem-6	Zoology	Daulat Ram College, University of Delhi	Flax to Fly: Concentration dependent effects on Morphometrics and Behavioral Dynamics in <i>Drosophila</i> .	Dr. Nisha Vashishta, Dr. Pooja Suman and Dr. Bhawna Chuphal
10	Kanak Gupta	Bsc.(H) Biomedical Sciences Sem-4	Zoology	Bhaskaracharya College of App. sciences, University of Delhi	Flax to Fly: Concentration dependent effects on Morphometrics and Behavioral Dynamics in <i>Drosophila</i> .	Dr. Nisha Vashishta, Dr. Pooja Suman and Dr. Bhawna Chuphal
11	Pratima Roy	Bsc. (H) Biotechnology Sem-2	Zoology	Amity University	Flax to Fly: Concentration dependent effects on Morphometrics and Behavioral Dynamics in <i>Drosophila</i> .	Dr. Nisha Vashishta, Dr. Pooja Suman and Dr. Bhawna Chuphal
12	Varun Aggrawal	Bsc. (H) Zoology Sem-2	Zoology	Hansraj College, University of Delhi	Flax to Fly: Concentration dependent effects on Morphometrics and	Dr. Nisha Vashishta, Dr. Pooja Suman and Dr.



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					Behavioral Dynamics in <i>Drosophila</i> .	Bhawna Chuphal
13	Anjali Singh	B.Sc (H) Zoology- Sem 2	Zoology	Miranda House, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
14	Arshita Sharma	B.Sc (H) Zoology- Sem 2	Zoology	Kirorimal college, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
15	Gungun Kaur	B.Sc (Prog.) Life Sciences- Sem 4	Life Sciences	SGTB Khalsa College, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
16	Harshit Shaurya	B.Sc (Prog.) Life Sciences- Sem 2	Life Sciences	Hansraj college, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
17	Jahnavi	B.Sc (H) Zoology- Sem 2	Zoology	Kirorimal college, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
18	Kiran Kushwaha	B.Sc (H) Zoology- Sem 2	Zoology	Miranda House, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
19	Komal	B.Sc (H) Zoology- Sem 2	Zoology	Miranda House, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
20	Kumari Alka	B.Sc (H) Zoology- Sem 2	Zoology	Miranda House, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer:	Dr. Nisha Vashishta, Dr. Reetuparna



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					Awareness, Vaccination and Policy Impact	Basak and Dr. Bhawna Chuphal
21	Manvi Raina	B.Sc (H) Zoology- Sem 2	Zoology	Hansraj college, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
22	Megha	B.Sc (Prog.) Life Sciences- Sem 4	Life Sciences	Miranda House, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
23	Mudit Varshney	B.Sc (Prog.) Life Sciences- Sem 2	Life Sciences	Hansraj college, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
24	Pratyasha Gautam	B.Sc (Prog.) Life Sciences- Sem 4	Life Sciences	Hansraj College, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
25	Radhika Soni	B.Sc (H) Zoology- Sem 6	Zoology	Miranda House, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
26	Saksham	B.Sc (Prog.) Life Sciences- Sem 2	Life Sciences	Hansraj college, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
27	Sakshi Nayak	B.Sc (H) Biotechnology- Sem 4	Biotechnology	GD Goenka university	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
28	Sanskriti	B.Sc (Prog.) Life Sciences-	Life Sciences	Miranda House, University of Delhi	A Survey-Based Empirical Research	Dr. Nisha Vashishta, Dr.



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		Sem 4			on Cervical Cancer: Awareness, Vaccination and Policy Impact	Reetuparna Basak and Dr. Bhawna Chuphal
29	Sinjini Dutta	B.Sc (H) Zoology- Sem 2	Zoology	SGTB Khalsa College, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
30	Surbhi Tikania	B.Sc (Prog.) Life Sciences- Sem 4	Life Sciences	Miranda House, University of Delhi	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
31	Tanya Diga	B.Sc (H) Biotechnology- Sem 4	Biotechnology	GD Goenka university	A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact	Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal
32	Harshit Bhandari	B.Sc. Life Science	Life Sciences	Deen Dayal Upadhyaya	Fabrication of Polymeric Nanoparticles and assessment of their antimicrobial potential	Dr. Deepak Yadav, Prof. Rekha Kumari, Dr. Joni Yadav
33	Prashant	Int. Bsc (Hons) Msc Zoology	Zoology	Cental University of Jammu	Fabrication of Polymeric Nanoparticles and assessment of their antimicrobial potential	Dr. Deepak Yadav, Prof. Rekha Kumari, Dr. Joni Yadav
34	Priyanka	B.Sc. (H) Zoology	Zoology	Miranda House	Fabrication of Polymeric Nanoparticles and assessment of their antimicrobial potential	Dr. Deepak Yadav, Prof. Rekha Kumari, Dr. Joni Yadav
35	Rashmi Sharma	B.Sc. (H) Zoology	Zoology	Gargi	Fabrication of Polymeric Nanoparticles and assessment of their antimicrobial potential	Dr. Deepak Yadav, Prof. Rekha Kumari, Dr. Joni Yadav
36	Ritika Raj	B.Sc. (H)	Zoology	Gargi	Fabrication of	Dr. Deepak



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	Das	Zoology			Polymeric Nanoparticles and assessment of their antimicrobial potential	Yadav, Prof. Rekha Kumari, Dr. Joni Yadav
37	Shikha	B.Sc. (H) Zoology	Zoology	Miranda House	Fabrication of Polymeric Nanoparticles and assessment of their antimicrobial potential	Dr. Deepak Yadav, Prof. Rekha Kumari, Dr. Joni Yadav
38	Suhani Khandelwal	B.Sc. Life Science	Life Sciences	Miranda House	Fabrication of Polymeric Nanoparticles and assessment of their antimicrobial potential	Dr. Deepak Yadav, Prof. Rekha Kumari, Dr. Joni Yadav
39	Supriya	B.Sc. (H) Zoology	Zoology	Miranda House	Fabrication of Polymeric Nanoparticles and assessment of their antimicrobial potential	Dr. Deepak Yadav, Prof. Rekha Kumari, Dr. Joni Yadav
40	Vaishnavi Patwal	B.Sc. (H) Zoology	Zoology	Gargi	Fabrication of Polymeric Nanoparticles and assessment of their antimicrobial potential	Dr. Deepak Yadav, Prof. Rekha Kumari, Dr. Joni Yadav
41	Amreet Kaur	B.Sc. (H) Zoology	Zoology	Miranda House	Fabrication of Polymeric Nanoparticles and assessment of their antimicrobial potential	Dr. Deepak Yadav, Prof. Rekha Kumari, Dr. Joni Yadav
42	Alina	B.Sc. (H) Zoology	Zoology	Miranda House	Fabrication of Polymeric Nanoparticles and assessment of their antimicrobial potential	Dr. Deepak Yadav, Prof. Rekha Kumari, Dr. Joni Yadav
43	Averi Dubey	B.Sc. (H) Microbiology	Microbiology	Shaheed Rajguru College of Applied Sciences for Women, DU	Evaluation of Antibiotic Potential of Green Polymeric Nanoparticles using ESKAPE Panel	Prof. Rekha Kumari, Dr. Deepak Yadav



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44	Tulip Nirnayika Mohanty	B.Sc. (H) Microbiology	Microbiology	Shaheed Rajguru College of Applied Sciences for Women, DU	Evaluation of Antibiotic Potential of Green Polymeric Nanoparticles using ESKAPE Panel	Prof. Rekha Kumari, Dr. Deepak Yadav
45	Soni Yadav	B.Sc. (H) Microbiology	Microbiology	Shaheed Rajguru College of Applied Sciences for Women, DU	Evaluation of Antibiotic Potential of Green Polymeric Nanoparticles using ESKAPE Panel	Prof. Rekha Kumari, Dr. Deepak Yadav
46	Shikha	B.Sc. (H) Zoology	Zoology	Miranda House	Evaluation of Antibiotic Potential of Green Polymeric Nanoparticles using ESKAPE Panel	Prof. Rekha Kumari, Dr. Deepak Yadav
47	Suhani Khandelwal	B.Sc. Life Science	Life Sciences	Miranda House	Evaluation of Antibiotic Potential of Green Polymeric Nanoparticles using ESKAPE Panel	Prof. Rekha Kumari, Dr. Deepak Yadav
48	Shubhangi Srivastava	B.Sc. Life sciences	Life Sciences	Hans Raj College	Factors impacting evolution of gut microbial resistomes in infants	Prof. Rekha Kumari, Dr. Joni Yadav
49	Chhavi Lakhotiya	B.Sc. Life sciences	Life Sciences	Hans Raj College	Factors impacting evolution of gut microbial resistomes in infants	Prof. Rekha Kumari, Dr. Joni Yadav
50	Chetana Swain	B.Sc. Life sciences	Life Sciences	Hans Raj College	Role of Gut Microbiome in Depression	Prof. Rekha Kumari, Dr. Joni Yadav
51	Nitika	B.Sc. Life sciences	Life Sciences	Miranda House	Role of Gut Microbiome in Depression	Prof. Rekha Kumari, Dr. Joni Yadav
52	Arpit Karan	B.Sc. Life sciences	Life Sciences	Hans Raj College	Air pollution: Bioaerosols and Atmospheric Modification: A deadly combination to choke you	Prof. Rekha Kumari, Dr. Joni Yadav
53	Aman Thakur	B.Sc. (H) Zoology	Zoology	Sri Guru Tegh Bahadur Khalsa College	Air pollution: Bioaerosols and Atmospheric Modification: A deadly combination to choke you	Prof. Rekha Kumari, Dr. Joni Yadav



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54	Ayushi Singh	B.Sc. Life sciences	Life Sciences	Miranda House	Water quality assessment in pre and post monsoon season: Analysis of physicochemical and biological contaminants	Prof. Rekha Kumari, Dr. Shailender Kumar
55	Rahnuma Firdous	B.Sc. (H) Zoology	Zoology	Miranda House	Water quality assessment in pre and post monsoon season: Analysis of physicochemical and biological contaminants	Prof. Rekha Kumari, Dr. Shailender Kumar
56	Upasana Bhattacharjee	B.Sc. (H) Zoology	Zoology	Miranda House	Water quality assessment in pre and post monsoon season: Analysis of physicochemical and biological contaminants	Prof. Rekha Kumari, Dr. Shailender Kumar
57	Pranay Maurya	M.Sc. Biotechnology	Biotechnology	Amity University Noida	Water quality assessment in pre and post monsoon season: Analysis of physicochemical and biological contaminants	Prof. Rekha Kumari, Dr. Shailender Kumar
58	Pratik Katekar	BS+MS combined programme	Biological Sciences	IISER Bhopal	Detection of Mycobacterial antigens in exosomes derived from blood and urine samples	Prof. Sadhna Sharma , Dr. Monika Sharma
59	Sneha Shree	BS+MS combined programme	Natural Sciences	IISER Bhopal	Detection of Mycobacterial antigens in exosomes derived from blood and urine samples	Prof. Sadhna Sharma , Dr. Monika Sharma
60	Yashika Yadav	B.Sc (H) Zoology- Sem 2	Zoology	Kirorimal college, University of Delhi	Detection of Mycobacterial antigens in exosomes derived from blood and urine samples	Prof. Sadhna Sharma , Dr. Monika Sharma
61	Apurva Singh	B.Sc (H) Biochemistry- Sem 4	Biochemistry	Daulat Ram College, University of Delhi	A study of TB exposure and Vitamin D levels in young subjects	Prof. Sadhna Sharma , Dr. Monika Sharma



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62	Riddhi Ahuja	B.Sc. Life Sciences Sem 6	Life Sciences	Miranda House, University of Delhi	A study of TB exposure and Vitamin D levels in young subjects	Prof. Sadhna Sharma , Dr. Monika Sharma
63	Anwesha Shree	B.Sc. Life Sciences Sem 4	Life Sciences	Ramjas College, University of Delhi	A study of TB exposure and Vitamin D levels in young subjects	Prof. Sadhna Sharma , Dr. Monika Sharma
64	Ananya Rawat*	B.Sc.(H) Botany, Sem IV	Botany	Miranda House	Comparative Study of Campus Compost	Dr Simran Jit, Dr Saloni Bahri
65	Sakshi Sejal*	B.Sc.(H) Botany, Sem IV	Botany	Miranda House	Comparative Study of Campus Compost	Dr Simran Jit, Dr Saloni Bahri