



# **Miranda House**

## **UNIVERSITY OF DELHI**

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### **Departmental Annual Report - 3**

#### **Departmental Activities: Curriculum and Beyond**

**Department:** Zoology

**Academic Year:** 2020-21

#### **Part A.1**

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

**Programme:** B.Sc (Hons) Zoology, CBCS Semester: I, II, III, IV, V & VI

**Course:** Core Papers, SEC

**Paper:** Non Chordates, Perspectives in Ecology, Diversity of Chordates, Comparative Anatomy, Physiology: Controlling and Coordinating systems, Physiology: Life sustaining systems, Medical Diagnostics, Sericulture, Animal Behaviour, Animal Biotechnology, Wildlife conservation and Management

**Course Code:** 569

**Paper Code:** 32231101 (Non Chordates), 32231102 (Perspectives in Ecology), 32231201 (Non Chordates: Coelomates), 32231301 (Diversity of Chordates), 32231302 (Physiology: Controlling and Coordinating systems), 32231401 (Comparative anatomy of vertebrates), 32231402 (Physiology: Life sustaining systems), 32233905 (Sericulture), 32233903 (Medical Diagnostics), 32237901 (Animal Behaviour and Chronobiology), 32237903 (Wildlife conservation and management).

**Faculty:** Dr. Nisha Vashishta, Dr. Rekha Kumari, Dr. Jyoti Arora, Dr. Monika Sharma, Dr. Simran Jit, Dr. Pooja Suman, Dr. Deepak Yadav, Dr. Yasha Yadav, Dr. Shovit Ranjan, Ms. Saba Zulfiquar



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1	ANJALI P NAIR	20MIRHBSZO0000001	20047569001
2	ARCHANA HIJAM	20MIRHBSZO0000005	20047569003
3	DEBOJANI NARZARY	20MIRHBSZO0000008	20047569006
4	FAIHA SHAJI	20MIRHBSZO0000010	20047569007
5	HANNA JOBY	20MIRHBSZO0000011	20047569008
6	KAVYASREE K	20MIRHBSZO0000012	20047569009
7	KHUSHI MAHAJAN	20MIRHBSZO0000014	20047569010
8	KHUSHI SONI	20MIRHBSZO0000013	20047569011
9	MANASWINI BEHERA	20MIRHBSZO0000015	20047569012
10	MANISHA YADAV	20MIRHBSZO0000016	20047569013
11	NANDHANA K	20MIRHBSZO0000017	20047569014
12	RIYA	20MIRHBSZO0000026	20047569020
13	SAKSHI	ERN20047569022	20047569022
14	SAMRIDDHI SINGH	20MIRHBSZO0000029	20047569023
15	SARITA	20MIRHBSZO0000030	20047569024
16	SHAHNA MUMTHAS	20MIRHBSZO0000031	20047569025
17	SHRIYA BHAT	20MIRHBSZO0000033	20047569026
18	SONAM LHAZOM	20MIRHBSZO0000034	20047569027
19	SRUTI SINGHA MAHAP	20MIRHBSZO0000035	20047569028
20	SUSHMA YADAV	20MIRHBSZO0000037	20047569030
21	TANNU YADAV	20MIRHBSZO0000038	20047569031
22	TANU CHAUDHARY	20MIRHBSZO0000039	20047569032
23	UDITA CHAUHAN	20MIRHBSZO0000040	20047569033
24	UNNATI SINGH	ERN20047569034	20047569034
25	ANKITA	ERN20047569036	20047569036
26	RACHNA BISHT	20MIRHBSZO0000024	20047569040
27	SHAIK RAFINA	ERN20047569041	20047569041



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MEDICAL DIAGNOSTICS AND APICULTURE 2020-21						
Sr. No.	Course Co	Paper Cod	Student Name	College R	Rollno.	Tc
1	569	32233903	AMITA SINGH	1506	19047569001	
2	569	32233903	ANAMIKA YADAV	1471	19047569002	
3	569	32233903	ANANYA SHARMA	1445	19047569003	
4	569	32233903	ANMOL	1641	19047569004	
5	569	32233903	ANNIE JIMMY	31	19047569005	
6	569	32233903	ATHEENA ABHAYAKUMAR	38	19047569006	
7	569	32233903	BATHULA SREEJA	88	19047569007	
8	569	32233903	K.M DAKSHTA TIWARI	108	19047569008	
9	569	32233903	DEEPIKA YADAV	1549	19047569009	
10	569	32233903	EKAGRATA VATS	1681	19047569010	
11	569	32233903	GEETIKA	1565	19047569011	
12	569	32233903	KAMAKSHI SINGH	678	19047569013	
13	569	32233903	KRITIKA	47	19047569014	
14	569	32233903	LALRINLIANI	1556	19047569015	
15	569	32233903	LAMABAM DIPIKA DEVI	120	19047569016	
16	569	32233903	MANVI	1076	19047569017	
17	569	32233903	NADRA FATHIMA	72	19047569019	
18	569	32233903	NIDHI YADAV	1271	19047569020	
19	569	32233903	NIHARIKA RAINA	340	19047569021	
20	569	32233903	NIKITA CHAUHAN	1493	19047569022	
21	569	32233903	NISHA BHATI	495	19047569023	
22	569	32233903	PARUL	1566	19047569024	
23	569	32233903	POOJA	1473	19047569025	
24	569	32233903	POOJA SHAKYA	1636	19047569026	
25	569	32233903	POULAMI MONDAL	1799	19047569028	
26	569	32233903	PREETI	1535	19047569029	
27	569	32233903	PRIYANKA SHANKAR	1668	19047569030	
28	569	32233903	RITIKA MUKHERJI	1818	19047569031	
29	569	32233903	SAMRIDHI	1637	19047569032	
30	569	32233903	SANGEETHA P	46	19047569033	
31	569	32233903	SHIVANI PANDITA	1003	19047569034	
32	569	32233903	SHRIJITA SIKDAR	1578	19047569035	
33	569	32233903	SILVIYA	58	19047569036	
34	569	32233903	SRISHTI KASAR	1654	19047569038	
35	569	32233903	SWATHI B CHOUDHARY	1520	19047569039	
36	569	32233903	TANNU	1075	19047569040	
37	569	32233903	TANYA	1282	19047569041	
38	569	32233903	TEJASWINI PATNAIK	1515	19047569042	
39	569	32233903	VIDHI SINGH	1783	19047569044	
40	569	32233903	YUKTIKA PANDYA	693	19047569045	



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1	AMITA SINGH	19MIRHBSZD0000001	19047569001	32231601
2	ANAMIKA YADAV	19MIRHBSZD0000002	19047569002	32231601
3	ANMOL	19MIRHBSZD0000004	19047569004	32231601
4	ANNIE JIMMY	19MIRHBSZD0000005	19047569005	32231601
5	ATHEENA ABHAYAI	19MIRHBSZD0000006	19047569006	32231601
6	BATHULA SREEJA	19MIRHBSZD0000007	19047569007	32231601
7	KM DAKSHTA TIWA	19MIRHBSZD0000008	19047569008	32231601
8	DEEPIKA YADAV	19MIRHBSZD0000009	19047569009	32231601
9	EKAGRATA VATS	19MIRHBSZD0000010	19047569010	32231601
10	GEETIKA	19MIRHBSZD0000011	19047569011	32231601
11	JYOTI PRAJAPATI	19MIRHBSZD0000012	19047569012	32231601
12	KAMAKSHI SINGH	19MIRHBSZD0000013	19047569013	32231601
13	KRITIKA	19MIRHBSZD0000014	19047569014	32231601
14	LALRINLIANI	19MIRHBSZD0000015	19047569015	32231601
15	LAMABAM DIPIKA C	19MIRHBSZD0000016	19047569016	32231601
16	MANVI	19MIRHBSZD0000017	19047569017	32231601
17	NADRA FATHIMA	19MIRHBSZD0000019	19047569019	32231601
18	NIDHI YADAV	19MIRHBSZD0000020	19047569020	32231601
19	NIHARIKA RAINA	19MIRHBSZD0000021	19047569021	32231601
20	NIKITA CHAUHAN	19MIRHBSZD0000022	19047569022	32231601
21	NISHA BHATI	19MIRHBSZD0000023	19047569023	32231601
22	POOJA	19MIRHBSZD0000026	19047569025	32231601
23	POOJA SHAKYA	19MIRHBSZD0000027	19047569026	32231601
24	POULAMI MONDAL	19MIRHBSZD0000029	19047569028	32231601
25	PREETI	19MIRHBSZD0000030	19047569029	32231601
26	PRIYANKA SHANKA	ERN19047569030	19047569030	32231601
27	RITIKA MUKHERJI	19MIRHBSZD0000032	19047569031	32231601
28	SAMRIDHI	19MIRHBSZD0000034	19047569032	32231601
29	SANGEETHA P	19MIRHBSZD0000035	19047569033	32231601
30	SHIVANI PANDITA	19MIRHBSZD0000036	19047569034	32231601
31	SHRIJITA SIKDAR	19MIRHBSZD0000037	19047569035	32231601
32	SILVIYA	19MIRHBSZD0000038	19047569036	32231601
33	SRIKSHI KASAR	19MIRHBSZD0000040	19047569038	32231601
34	SWATHI B. CHOUDH	19MIRHBSZD0000042	19047569039	32231601
35	TANNU	19MIRHBSZD0000043	19047569040	32231601
36	TANYA	19MIRHBSZD0000044	19047569041	32231601
37	TEJASWINI PATTN.	19MIRHBSZD0000045	19047569042	32231601
38	VANSHIKA BHAT	19MIRHBSZD0000046	19047569043	32231601
39	VIDHI SINGH	19MIRHBSZD0000047	19047569044	32231601
40	YUKTIKA PANDYA	19MIRHBSZD0000048	19047569045	32231601
41				
42	AMITA SINGH	19MIRHBSZD0000001	19047569001	32231602



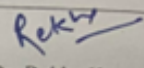
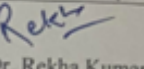
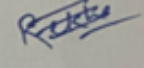
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### Part A.2

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

Following students participated in the 6- weeks long DSKC Summer Workshop 2020-21

DSKC Summer workshop 2021			
S.no	Project Name	Name of Students	Name of Mentor
1.	Gut microbiome and Depression: Connecting links through Norepinephrine	Vanshikha Bhardwaj, Miranda House	 Dr. Rekha Kumari
2.	Gut microbiome and Depression: Role of Serotonin, the happy hormone	Anubha Gupta, Goswami Ganesh Dutta Sanatan Dharma College, Chandigarh	 Dr. Rekha Kumari
3.	Assessing Impact of Climate Change through reviews	1. Sankritya Sarma, B.Sc. Life Sciences II, Hansraj College 2. Sruti Singha Mahapatra, B.Sc. Zoology I, Miranda House 3. Nikita Chauhan, B.Sc. Zoology II, Miranda House 4. Swathi Chaudhary, B.Sc. Zoology II, Miranda House 5. Vidhi Singh, B.Sc. Zoology II, Miranda House 6. Poulami Mondal, B.Sc. Zoology II, Miranda House 7. Pooja, B.Sc. Zoology II, Miranda House	 Dr. Jyoti Arora



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4. Designing of Universal Subunit Influenza Vaccine using Reverse Vaccinomics Approach	1) Sakshi Kushwaha B.Sc. Life Sciences(2nd year) Miranda House	Dr. Sadhna Sharma and Dr. Monika Sharma  <i>Sadna</i> <i>Monika</i>
	2) Samridhi B.Sc.(hons.) Zoology 2nd Year Miranda House	
	3) Radhika Khatter Bsc Biotechnology (research) 3rd year Shiv Nadar University	
	4) Riya Roy Bsc.Hons. Biochemistry 3rd year, 5 semester Institute of Home Economics, University of Delhi	
	5) Tejaswini Pattnaik, Bsc zoology honour, 2nd year, Miranda house	

	6) Shreya Choudhuri BSc Life Sciences, 2nd year, Miranda House	<i>Sadna</i> <i>Monika</i>
	7) Indu Singh Msc biotechnology, 1st year Central university of Rajasthan.	
	8) Disha Chaudhary B.Sc. life sciences, 3yr Miranda House, University of Delhi	
	9) Shivani Bajaj Bsc. Zoology hons, 2nd year Ramjas College, University of Delhi	
	10) Tanya B.Sc. Zoology Hons, 2nd year, Miranda House, University of Delhi	
	11) Kamakshi Singh B.Sc.(H) Zoology 2nd year Miranda House, University of Delhi	
	12) VedRicha B.Sc. Life sciences, 2nd year, Dyalsingh, University of Delhi	



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5. Predicting Intrinsically Disordered Proteins of PE/PPE family of <i>Mycobacterium tuberculosis</i>	Atheena, B.Sc(H) Zoology II year, Miranda House Kritika Arora, B.Sc(H) Zoology II year, Miranda House	<i>Monika</i> <i>Sadhna</i> Dr. Monika Sharma and Dr. Sadhna Sharma
6. Mining eukaryote like SH3 domains in PE/PPE Protein family of <i>Mycobacterium tuberculosis</i>	Ritika Mukherjee, B.Sc(H) Zoology II year, Miranda House	<i>Monika</i> <i>Sadhna</i> Dr. Monika Sharma and Dr. Sadhna Sharma
7. Environmental factors playing role in transmission of Covid-19 in India: A Bio- statistical analysis	Vidhi Singh B.Sc. Zoology Hons. Miranda House Poulami Mondal B.Sc. Zoology Hons. Miranda House Navodita Seth Biomedical Science Hons. Acharya Narendra Dev	Dr. Pooja Suman and Dr. Yasha Yadav <i>Pooja</i>

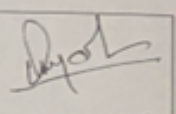
8. Blog writing on New frontiers in Drosophila Research during the Covid-19 pandemic	Vidhi Singh B.Sc. Zoology Hons. Miranda House Poulami Mondal B.Sc. Zoology Hons. Miranda House Navodita Seth Biomedical Science Hons. Acharya Narendra Dev College Aastha Biomedical Science Hons. Acharya Narendra Dev College Nisha Bhati B.Sc. Zoology Hons Miranda house Shubhdeep Kaur B.Sc. Life science STGB khalsa college Charvi Nayyar B.Sc. (Hons.) Biochemistry Institute of Home Economics Sheetalkaur B.Sc. Life science SGTB khalsa Avneetkaurmaan B.Sc. Life science SGTB khalsa Chhavi Tomer B.Sc. Life sciences Miranda House Amulya B.Sc. Life science Miranda house Sindhu Khanna	Dr. Pooja Suman and Dr. Yasha Yadav <i>Pooja</i>
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		B.Sc. Life Sciences Miranda House	
		Bhagyalakshmi R K B.Sc. Life sciences Miranda house	
		Khushboo Singh	
		B.Sc. Life Sciences SGTB Khalsa College	
		Neha Nandini	
		B.Sc. Life Sciences Miranda house	
		Geetika	
		B.Sc. Zoology hons Miranda house	
		Anmol	
		B.Sc. Zoology hons Miranda house	
		Nidhi	
		B.Sc. Zoology hons Miranda house	
		Annie Jimmy	

		11. Sukriti Sharma Miranda House, University of Delhi	 Dr. DEEPAK
		12. Yuktika Pandya Miranda House, University of Delhi	



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### Requesting permission of DSKC summer workshop

2 messages

Deepak Zoology <deepak.zoology@mirandahouse.ac.in>

To: principal@mirandahouse.ac.in, Monika Tomar <monika.tomar@mirandahouse.ac.in>, Nisha Vashishta <nisha.vashishta@mirandahouse.ac.in>

Fri, Jun 25, 2021 at 10:32 AM

Cc: shovit.ranjan@mirandahouse.ac.in, sabazhdc@gmail.com

Respected Madam  
Greetings!

I would like to bring this to your kind notice that we planned DSKC summer workshop on the following topics.

Mentor- Dr. Deepak Yadav, Dr. Shovit Ranjan and Ms. Saba Zulfiquar

Project Name

1. Effects on the relation between hemispheric lateralization of human brain and human personality traits.  
Students - 8

2. Neurobehavioral Effects of Bird song in Human  
Students- 6

3. Impact of Covid-19 'Pandemic' on Rural and Urban Population in India  
Students- 12

Please permit us for the same.

Regards

Dr. Deepak Yadav

Department of Zoology

Principal Miranda <principal@mirandahouse.ac.in>

Thu, Jul 8, 2021 at 2:41 PM

To: Deepak Zoology <deepak.zoology@mirandahouse.ac.in>

Cc: Monika Tomar <monika.tomar@mirandahouse.ac.in>, Nisha Vashishta <nisha.vashishta@mirandahouse.ac.in>, 'Dr.

Shovit Ranjan' <shovit.ranjan@mirandahouse.ac.in>, sabazhdc@gmail.com

Permission granted.

Dr. Bijayalaxmi Nanda

Acting Principal

Miranda House

University of Delhi

Delhi 110 007

Phone: +91-11-27666204

Email: principal@mirandahouse.ac.in

bijayalaxmi.nanda@mirandahouse.ac.in

Web: www.mirandahouse.ac.in

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*Saba*  
Ms. Saba Zulfiquar

*Deepak*

Dr. DEEPAK



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