

# Departmental Annual Report - 3

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

#### **Department: Zoology**

Year: 2022-23

#### **Department Society and its Office Bearers:**

Zoology Society, Synapse initiated a Lecture Series, as well as organized stand-alone lectures, workshops and events. Besides these, student activities such as Farewell, Teacher's Day, Children's Day, Fresher's Welcome and Departmental Fest were also organized.

#### **Staff Advisors:**

President	Vice President	General Secretary	Treasurer	Editors	Co-Editors	Event Manager	Creative Head
Khushi Soni	Chaitanya Sunil Bhardwaj	Pushkarini Rohidas	Khushi Mahajan	Damyanti Das	Preeti Vedanti Sunil Bhardwaj	Radhika Soni Agrani Rana	Udita Chauhan

#### **Staff Advisors:**

Dr. Nisha Vashishta

Dr. Pooja Suman



# Part B.1

## Seminars/conferences/workshops conducted by the Department

#### **FEM for STEM:**

The series was initiated to inspire young talented minds to take career paths in the field of STEM. Three lectures were organized this session.

To start with the celebration of the 50th year of Department of Zoology on 10th October, 2022 (Seminar Hall, 2:00pm-3:00pm) the guest speaker **Dr. Uma Kanga** (Associate Professor, Department of Transplant Immunology and Immunogenetics, AIIMS, Delhi), delivered lecture on "Women Scientist at Forefront of Fight against Covid-19".

Students	In-hous e faculty	Faculty outside MH	Total number of participa nts
B. Sc. Hons. Zoology Semester 6 (41 students) and Semester 4 (65 students)	11	0	117





Second Lecture on "Mechanism of Genome Inheritance" by Prof Supriya Prasanth (Department of Cell and developmental Biology, University of Illinois, Urabana-Campaign, United States) was organized online on 8th February, 2023.

Students	In-hou	Faculty	Total
	se	outside	number of
	faculty	MH	participants
B. Sc. Hons. Zoology Semester 6 ( 41 students) and Semester 4 (65 students) and Semester 1 (39 students)	11	0	156





Third Lecture was organized online on "Flower-Pollinator Interactions: Beyond Simple Associations" by Dr. Shivani Krishna (Assistant Professor of Biology, Ashoka University) on 29<sup>th</sup> March, 2023

Students	In-hou	Faculty	Total
	se	outside	number of
	faculty	MH	participants
3. Sc. Hons. Zoology Gemester 6 41 tudents) nd Gemester 4 65 tudents) nd Gemester 1 39 tudents)	11	0	156





## Evolutionary Biology Lecture Series for B.Sc. Hons. Zoology, Semester 6.

This year, an **Evolutionary Biology Lecture Series** for B.Sc. Hons. Zoology, Semester 6 was initiated to provide informative and interactive platform to young scholars. Another focus is to make students aware of recent advances and research opportunities in Evolutionary Biology.

<i>and Molecul</i> Kiranmala De	f the series them <i>ar Evidences</i> vi Noarem, Depa Delhi on 10 Febru Details:	was delivartment of	vered by Dr.	SYNAPSE     Department of Zoology     Miranda House, University of Delhi     Under the aegis of IQAC     Presents     Evolutionary Biology Lecture Series     SESSION 1 HUMAN EVOLUTION & MOLECULAR EVIDENCES
Students	In-house faculty	Faculty outside MH	Total number of participants	by Dr. Kironmala Devi Naorem Associate Professor Department of Anthropology,
B. Sc. Hons. Zoology Semester 6 (41	Dr. Simran Jit	0	42	Date : 10 February, 2023 Time : 10 a.m. onwards Venue : Room no. 246
students)				Dr. Poola Suman Co-ordeano/ (Prezident Sympol) (Instit advisors Sympol)
				🔤 mhsynapse.official@gmail.com 👩 synapsemhzoology







B. Second lecture themed on *Phylogenetics* on 24th February, 2023 was delivered by Dr. Mansi Verma, Hansraj College.

Students	In-house faculty	Facul ty outsid e MH	Total number of participa nts
B. Sc.	Dr. Simran	0	42
Hons.	Jit		
Zoology			
Semester			
6 ( 41			
students)			

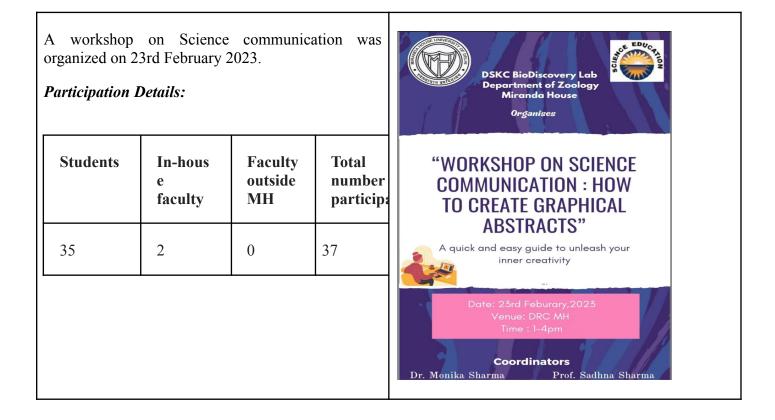




On 13<sup>th</sup> October a lecture on "Cell, Tissue and Organ regeneration by activation of endogenous stem cell" was delivered by Dr. Shibashish Giri (Deputy Head of Biomedical and Biotechnological Centre (BBZ), University of Leipzig, Germany). SYNAPSE 6 (Under the Aegis of IQAC) Department of Zoology, Miranda house University of Delhi Presents Lecture on Topic : "Cell, Tissue and Organ regeneration by activation of endogenous stem cell" Dr. Shibashish Giri Deputy Head, **Biomedical and Biotechnological** Center (BBZ), University of Leipzig, Germany Venue: Room no. 248 Date : 13 October, 2022 Time : 9:00-10:00 a.m. Dr. Rekha Kumar (Co-ordinator) Prof. Bijayalakshmi Nan (Principal, Miranda Hou Nisha Vashishta r. Yasha Yadav itaff Advisors, Synapse) Khushi Soni (Preside 0 nee offic

Students	In-house faculty	Faculty outside MH	Total number of participants
B. Sc. Hons. Zoology Semester 6 ( 41 students) and Semester 4 (65 students) and Semester 1 (39 students)	11	0	156







On 9<sup>th</sup> February, 2023 from 9:00 am onwards, a Lecture cum Workshop was conducted by the Union for the 2<sup>nd</sup> Year students on the topic, "Respiratory Functions and Their Clinical Significance". The guest speaker for the session was Dr. Renu Tyagi (Department of Anthropology, University of Delhi).

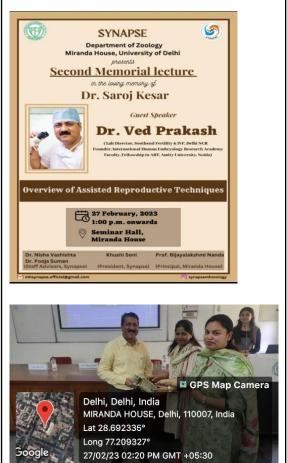
Students	In-hous e faculty	Faculty outside MH	Total number of participants
B. Sc.	Dr.	0	66
Hons.	Nisha		
Zoolog	Vasishta		
Semester 4,			
students=65			





On 27<sup>th</sup> February, 2023, the 2<sup>nd</sup> Memorial Lecture was organized in the loving memory of Dr. Saroj Kesar. The guest speaker for the session Dr. Ved Prakash (Lab Director, Southend Fertility and IVF, Delhi NCR) delivered a lecture on the topic, "Overview of Assisted Reproductive Techniques".

Students	In-hou	Faculty	Total
	se	outside	number of
	faculty	MH	participants
B. Sc. Hons. Zoology Semester 6 (41 students) and Semester 4 (65 students) and Semester 1 (39 students)	11	0	156





On 21<sup>st</sup> March, 2023, the Inaugural Lecture for the session was organized. The guest speaker, Prof. Rina Chakrabarti (Head, Department of Zoology) delivered an insightful session on the topic, "Sustainable Freshwater Aquaculture: Feed Formula and Water Quality Assessment".

Students	In-hou se facult y	Faculty outside MH	Total number of participants
B. Sc. Hons. Zoology Semester 6 ( 41 students) and Semester 4 (65 students) and Semester 1 (39 students)	11	0	156







A 3-days Capacity Building Workshop on Bioinformatics was conducted by IIT-Kharagpur in collaboration with Make-Intern and E-Cell (IIT-Kharagpur) in Miranda House from 7<sup>th</sup> April, 2023 to 9<sup>th</sup> April, 2023 with guest speaker Dr. Vipin Sharma.

Students	In-ho	Facult	Total
	use	y	number of
	facult	outsid	participan
	y	e MH	ts
B. Sc. Hons. Zoology and B.Sc Life Sciences (26)	4	0	37







Workshop on raising awareness of Urban Air Quality, Climate change, Health and e-Resilience on 18<sup>th</sup>-19th April, 2023 was organized by Dr. Rekha Kumari convener of MH Vatavaran and CESDM in association with Department of Environmental studies.

Number of Participants-120

The Principal Pated 3" April 2013 Miranda House. RANDA HOUSE University of Dethi 05 APR 2023 Delhi - 110007 Subject - Booking of Room no. 158 (Mini Auditomium) for the National Workshop on 18th 19th April 2023 Respected Maam This is in segard to the booking of Room 158 (Himi Auditmium) for the reproming Notional Workshop Entitled "Raising Awarness on Urban Air Quality, climate change, Health and E-Resilience on 18th - 19th April, 2023 Workshop will be Conducted by the CESDM toam on the above mentioned topic, Sponsormed by DST, GOI. Kindly do the Needful Thank you. Retit 3/4/2023 Your's Sincerely 3/4/2023 Dr. Rekhe Kumari ( Convenier, CESOM)



Workshop on Hands on training on environmental pollution assessment techniques organized by Dr. Rekha Kumari convener of MH Vatavaran and CESDM in association with Department of Environmental studies.

Number of Participants-145





## Part B.2

#### **Extension Activities organized**

An online Bridge Course on Laboratory Instrumentation: Principle, Usage and Applications was conducted from January 23rd-27th 2023, under the aegis of IQAC for B.Sc. Hons. Zoology and B.Sc Life Sciences First year students. The course structure aimed to provide an introduction to laboratory instruments and techniques present in the Department.

<image/> <section-header><text><text><text><text><text></text></text></text></text></text></section-header>		E CNTATION: PLICATIONS and techniques Students	
Students	In-hou se faculty	Faculty outside MH	Total number of participants
B. Sc. Hons. Zoology (41) and B.Sc Life Sciences (40)	11	0	92







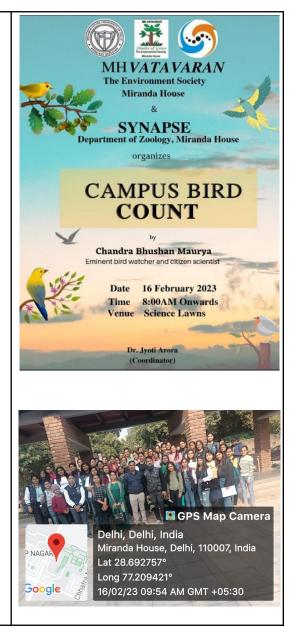
"A walk through Nature" Department has organized Nature Walk for B.Sc (H) Zoology semester-4 students where they studied the diversity of fauna within the campus of Miranda House. The event was done for one month from 12<sup>th</sup> September on every Monday and Wednesday of the week. **Participation Details: Students** In-ho Facu Total lty number use outsi of facult de particip у MH ants B. Sc. 0 69 4 Hons. Zoology Semester 4 (65 students) Delhi, Delhi, India Miranda House, Delhi, 110007, India Lat 28.692757 Long 77.209421° 14/09/22 09:31 AM Google **Under The Aegis Of IQAC** 5 **SYNAPSE** Department of Zoology Miranda House, University of Delhi Presents **A WALK THROUGH NATURE** With Dr. Nisha Vashishta Dr. Yasha Yaday Associate Professor (T.I.C) **Assistant Professor** Department of Zoology Department of Zoology Date : 12th September onwards ( Monday and Wednesday ) Time : 8:15 A.M. Onwards Venue : Miranda House Campu Certificates will be provided on successful completion of sessions **♀♀♀♀♀♀** Dr. Nisha Vashishta Khushi Soni Dr. Bijayalaxmi Nanda (Principal, Miranda House) (President, Synapse) Dr. Yasha Yaday Staff Advisors) © synapsemhzoology M mhsynapse.official@gmail.com



On 16<sup>th</sup> February,2023 from 8:00 am onwards, Synapse in association with MH Vatavaran organized the Annual Campus Bird Count in order to maintain a record of the various species of birds found in and around the College Campus. It was guided by an eminent bird-watcher and citizen scientist, Mr. Chandra Bhushan Maurya.

# Participation Details:

Students	In-house	Faculty	Total number of
	faculty	outside MH	participants
B. Sc. Hons. Zoology Semester 6 (41 students) and Semester 4 (65 students)	4	0	113





# **Career counselling Sessions:**

Career counselling session were alumni of the Depar		•		ety and speakers majorly
"Entance 101" by Atheen student at IISC Bangalore	Ce SYNAPSE Department of Zoology Miranda House, University of Delhi Predentes CAREER COUNSELLING SESSION With guest speaker			
Participation Details:         Students	In-hou se facult y	Facult y outside MH	Total number of participant s	ATHEENA ABHAYAKUMAR Graduate smdent at IISe, Bangalore Alumna , Miranda House, B.Sc. (Horse). Zoology, Batch of 2020 Theme: "Entrance Texams after Ed.Sc. in India)
B. Sc. Hons. Zoology Semester 6 (41 students) and Semester 4 (65 students)	11	0	117	Platform : Google Meet Meeting Code : vaj-wwre-vff Date : 20th August 2022 Dr. Nisha Vashishta Dr Yasha Yadav (Bull Addres: Sprager Mrtsynages official@gmäl.com) Spragesmoticial@gmäl.com
				The sense



Students	In-hou se facult y	Facult y outside MH	Total number of participant s	T Date :	Jyotsna Pandey Particle ar itse Particle ar it
B. Sc. Hons. Zoology Semester 6 ( 41 students) and Semester 4 (65 students)	11	0	117	Dr. Mish Dr. Jaki	ha Yadhichin bi Yadhichin Karoline Research Res
rpetologist in the mal niversity, Ithaca, New	king" by I	Jdita Bansa	al (PhD, Corne		Bepartment of Zoology Miranda House, University of Dehils Under the Aegis of QAC Presents "Careeer Counseling : Way Forv Session - 9 Zouth Guest UDITA BAN "Ajourney Iov
a journey towhere I rpetologist in the mat niversity, Ithaca, New prticipation Details: Students	king" by I	Jdita Bansa	al (PhD, Corne	en ell Piol Base ofte Piotre	Department of Zoology Mirnada House, University of Delbi Under the Aegie of IQAC Presents "Career Counseling : Way Forv Session - 9 ZOuth Guest UDITA BAN



A trip to Jim Corbett National park, Ramnagar, Uttrakhand was organized by the Department for the B.Sc.(H) Zoology Semester 6 students under the curriculum of DSE paper of "Animal Behavior" from 17<sup>th</sup>-19th October, 2022.

**Participation details** 

Students	In-hous	Faculty	Total
	e	outside	number of
	faculty	MH	participants
B. Sc. Hons. Zoology Semester 6 ( 41 students)	3	0	44+ 2 non-teac hing staff = 46







Dated: 3<sup>rd</sup> October,

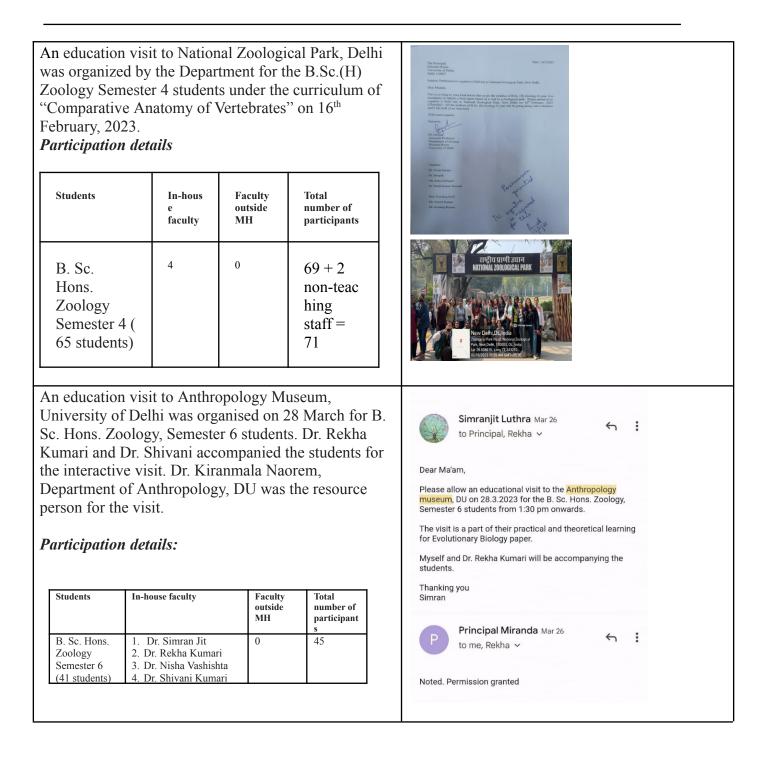
Please find the Enclosed 1. List of Students (B.sc. Hons Zoology 3<sup>rd</sup> year) 2. Itinerary of the trip 3. 4 Teachers and 2 lab staff

Miranda House

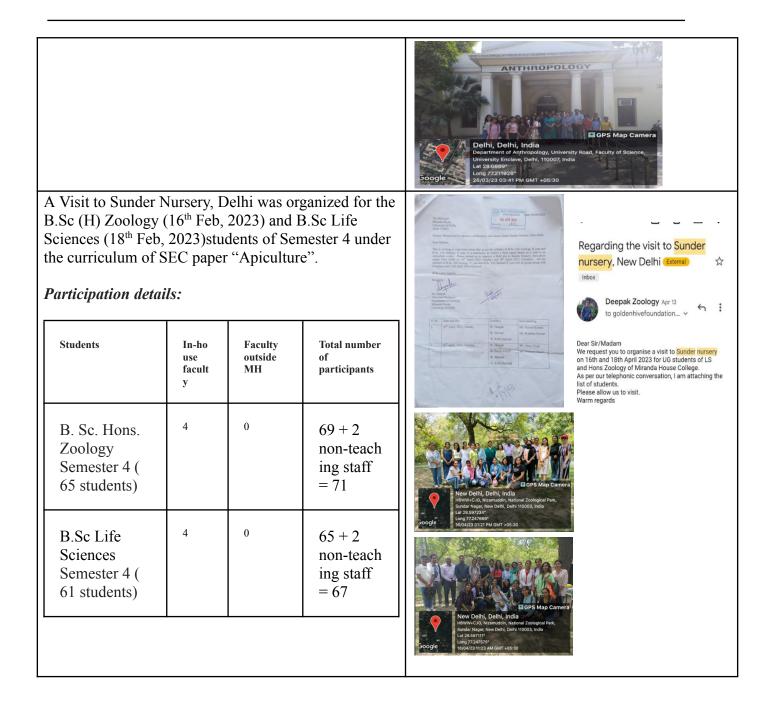


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An educational lecture and visit to the Department of Geology, University of Delhi, was organized for the students of B.Sc. Life Sciences Semester 4 on 6 <sup>th</sup> February, 2023.	UFF SCIE Min A LECTURE & VI DEPARTMU UNIVER FOSSILS AND TI Prof. G Departme Univer	ICCORD NECOSED ADDA HOUSE NET TO GEOLOGY NUSER STY TO GEOLOGY STY TO GEOLOGY HEIT APPLICATIONS VIR Prasad NET Of Beology sty of beinsi 23 [ 1:30 pm onwards Parties Prof. Bizystami Kinda, Prof. Bizystami Kinda,		
Participation details			1	
	Students	In-house faculty	Faculty outside MH	Total number of participants
	B. Sc. LS Semester 4 ( 48students , appx)	<ol> <li>Dr. Simran Jit</li> <li>Dr. Monika Sharma</li> <li>Dr. Shivani Kumari</li> </ol>	0	51 (appx)









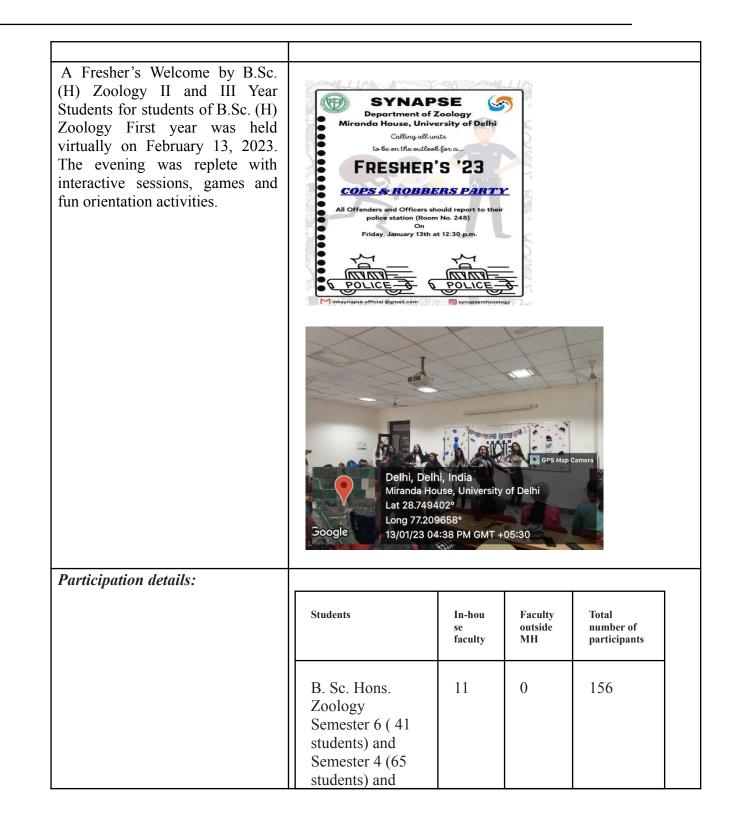


## Part B.3

## Any other event organized as part of students' activities (not listed above)









Farewell was organized for B.Sc. (H) Final Year by B.Sc. (H) Zoology I and II Year Students on 20 <sup>th</sup> April 2023. The Department congratulated the outgoing batch of 2020-23, reminded them to remain dedicated to their path, share their knowledge and inspire others and appreciated the grit and resilience displayed by them during these difficult times.	CORDIAL TO BID F. Au FOR THE LI	AREWELL T SENIORS 2020-2023 OF TRICO FE SCIENCI on	o our dea si b ar 23	R	
Participation details:	RC	2:00 I VENUE	1-		
	Students	In-hou se faculty	Faculty outside MH	Total number of participants	
	B. Sc. Hons. Zoology Semester 6 (	11	0	156	



41 students) and Semester 4 (65 students) and Semester 1 (39 students)		