

Departmental Annual Report-3

Departmental Activities: Curriculum and Beyond

Department: Botany

Academic Year: 2017-18 (1st July 2017 to 30th June 2018)

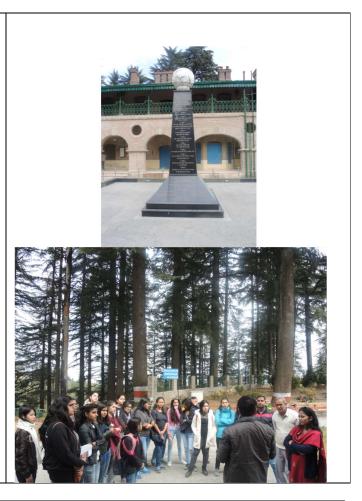
Part A.1

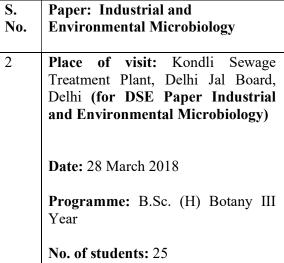
Students undertaking project work/field work/internship as part of experiential learning component of course work

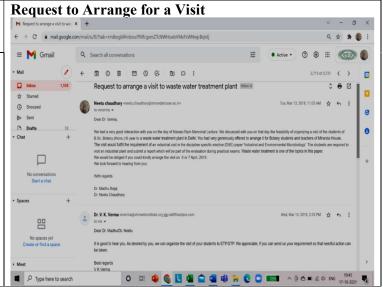
S.	Paper: Ecology/ Systematics/	Permission letter
No.	Environmental Management	
1	Di C ' A M 1	
1	Place of visit: Mukteshwar, Kausani and	The Principal Miranda House 7 February 2018
	Jim Corbett National Park, Uttarakhand (for Core Papers Ecology and Plant	University of Delhi Delhi-110007
	Systematics)	Subject: Educational cum sightseeing tour to Mukteshwar, Uttarakhand
	Systematics	Dear Madam,
	Date: 23-27 February 2018	This is with reference to your response to our application dated 5 January 2018 regarding permission for a four day educational cum sightseeing tour to Mukteshwar, Uttarakhand from 23\$-02-2018 to 27-02-2018. The Trip includes visit to Central Institute of Temperate Horticulture (CITH) and Indian Veterinary Research Institute (IVRI) at Mukteshwar. The consent emails from the concerned authorities to visit these two institutes have been attached for your kind perusal. The trip also includes a visit to Tea garden and Tea factory at Kausani and visit to Jim Corbett National Park.
	Programme: B.Sc. (H) Botany I, II and III Year	Dr. Rashmi Shakya, Dr. Somdutta Sinha Roy and one laboratory staff member Mr. Vijay Kumar would accompany the students on the trip. A total of 23 students would be going for this trip. The consent forms duly signed by the parents of students have been received and are attached with this letter.
	Commercial Management	The detailed proposal for the excursion is also enclosed.
	Course: Environmental Management	We request you to kindly grant permission for the excursion. Thanking you.
	No. of students: 29	Yours respectfully, Akilandeshwari Pallapothula
	Accompanying teachers: Dr. Rashmi	President General Secretary Antheia Antheia
	Shakya, Dr. Somdutta Sinha Roy	The Botanical Society Miranda House The Botanical Society Miranda House
	Objectives achieved:	Madhu Bajaj
	1. Field visit as per syllabus	Dr. Kastmi Ehakya T.I. C Assistant Professor Department of Botany
	2. Visited Indian Veterinary Research	
	Institute (IVRI) and Central Institute of	Jely 0910418
	Temperate Horticulture (CITH),	



Mukteshwar, and Jim Corbett National Park





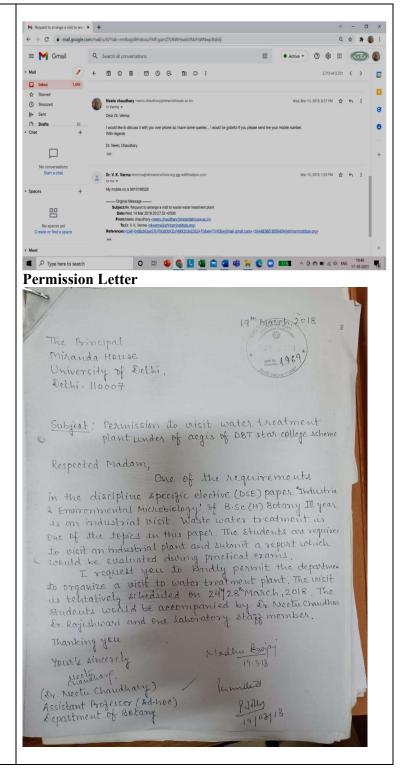




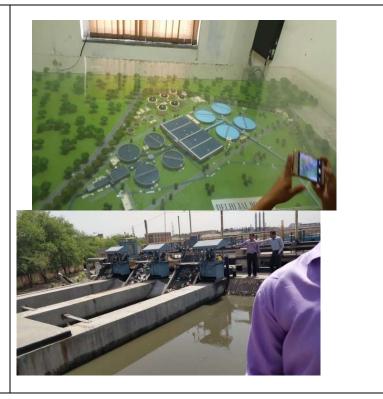
Accompanying teachers: Dr. Neetu Chaudhary, Dr. Rajeshwari

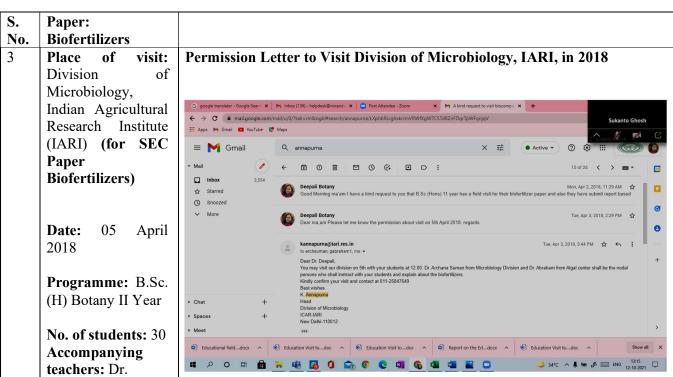
Objectives achieved:

- 1. Field visit as per syllabus
- 2. Gave the students an overview of waste water management and treatment











Deepali,

Dr. Rajeshwari

Objectives achieved:

- 1.Field visit as per syllabus
- 2.Hands-on training on composting
- 3. Learnt about the cultivation of *Azolla*
- 4. Learnt about the importance of biofertilizers

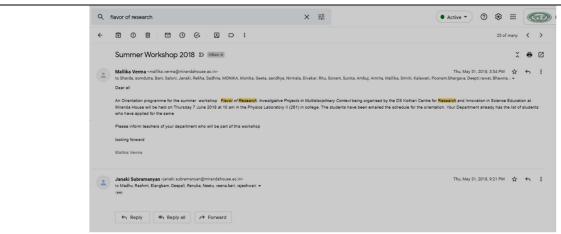




Part A.2

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





Email informing about the Orientation for Summer Workshop *Flavor of Research: Investigative Projects in Multidisciplinary Context* being organised by the DS Kothari Centre for Research and Innovation in Science Education at Miranda House on 07 June 2018.

Programme name	Programme Code	Name of the students
	DSKC Summer Internships 2018	
B.Sc. (H) Botany I Year, Miranda House B.Sc. Life Science II Year, Govt PG College, Hisar, Kurukshetra University B.Sc. (H) Botany I Year,	Project 1 Project title: A Study On Anthocyanins	 Aditi Soni Anu Middha Shreya Bhardwaj Bhawana Ahuja Madhu Yaday
Gargi College B.Sc. (H) Botany II Year, Hansraj College B.Sc.(H) Botany II Year, Hindu College		6. Pragati7. Sakshi Rathor
(Mentors: Dr. Janaki Subramanyan, Dr. Saloni Bahri and Dr. Somdutta Sinha Roy)		



B.Sc. (H) Botany II Year,	Project 2	1. Muskan Saini
Miranda House		2. Ritika
	Project title: Analysis Of Drinking	
B.Sc. (H) Botany II Year,	Water Quality	3. Arpit Jindal
Hansraj College		4. Chandan Das
(Mentors: Dr. Saloni Bahri and Dr. Somdutta Sinha Roy)		



Program name	Program code	Name of the Course that include experiential learning through project work	Course code	Year of offering	Name of the student studied course on experiential learning through project work
B.Sc. (Honours) Botany II Year, Semester III	556	Intellectual Property Rights (SEC)	UPC- 32163302	2017	30 Students
B.Sc. (Honours) Botany II Year, Semester IV	556	Biofertilizers (SEC)	UPC- 32163403	2018	30 Students
B.Sc. (Honours) Botany III Year, Semester V	556	Biostatistics (DSC-2)	UPC- 32167502	2017	25 Students
B.Sc. Life Science III Year, Semester VI	583	Intellectual Property Rights (SEC-4)	UPC- 42163601	2018	38 Students

Academic Year	2017-2018
Program name	B.Sc. (H) Botany
Program Code	556
Name of the Paper that include experiential learning through project work	Intellectual Property Rights (SEC)
Unique Paper Code	32163302
Year	II year
Semester	III
Total no. of students	30

Projects Completed

Individual projects had to be done as part of the practical curriculum for the paper Intellectual Property Rights. Students had made e-diary based on IPR syllabus. They had presented their project's reports in the form of Power Point Presentation. It was evaluated on the basis of contents and Subject knowledge related to the e-dairy. The subject of projects was opted by student itself and they have collected data from available sources of society and market. They had to click the pictures of the products themselves. Google photos of the products were not allowed. They had discussed their data under the headings of Patent, Copyright, Designing, Manufacturing, Production, Trademark, GI tag etc.

B.Sc. (H) Botany II Year (Semester III)

.No.	Raff Wo.	Name
3	570	Antiita Dash
2	471	Anishi Chib
3	351	Derpika
4	219	Harr Priya
5	334	Indu Singh
	504	Irom Valentina Devi
7.	2539	Jaya
	3524	Kajul Yaday
9	354	Kamakshi Kaushik
10	1369	Kanchen
11	1625	Kareena Singh
12.	378	Kavita Devi
13	314	Kirandeep Kaor
14	276	Xm: Mpcika
15	3458	Megha Anand
26	641	Atrinulini 5 Prakash
17	1576	Musikan Saini
18	1504	Naorem Bidyalasmi Deyl
10	235	Neetu Kumari
20	117	Fallapottiula Devi Akilandeshwari
21	594	Proeti Chauhan
22	310	Pitika
2.1	340	Sangerita
24	563	Shifali Setwi
25	\$532	Stancin Edares
26.	1547	Stanzin Yangdol
27	356	Tripti
28	135	Swets Gahlot
25	568	Megha Singh
30:	312	Valshali Churana
24-		Depali

E Gutanjal Quepali



Academic Year	2017-2018	
Program name	B.Sc. (H) Botany	
Program Code	556	
Name of the Paper that include experiential learning through project work	Biofertilizers (SEC)	
Unique Paper Code	32163403	
Year	II year	
Semester	IV	
Total no. of students	30	

Project Completed

Commons Project had to be done as part of the practical curriculum for the paper Biofertilizers. The Project title was "Morphological study of Moong grown in different compost" and report

were submitted in hard copy. Students were divided in to the groups based on the different compost used B.Sc. (H) Botuny II Year (Semester IV) and their evaluation had done by how well they had represented the data. They had studied morphological parameters such as root/shoot length, branching root/shoot, leaf morphology (colour, number and development) etc. of the Moog plant grown in different compost. They have discussed their collected data on the basis of various published articles.

2017-18

1	
8	
4 238 Hart Priyes	
5 114 Indo Seigh 6 504 Inon Valentina Devi 7 1313 (hys) 8 1334 Equivalent Seigh Vallar 9 334 Earnakhi Eauthik 10 1559 Earchait 11 5624 Earnakhi Eauthik 13 376 Eauth Devi 14 256 Kinandeep Eaut 14 256 Kinandeep Eaut 15 111 Patapothais Devi Akliandeshwai 16 276 Kin Shoolika 17 3456 Megha Anand 18 641 Minalini S Prahash 18 641 Minalini S Prahash 19 1574 Murkan Salni 19 1574 Murkan Salni 20 1574 Murkan Salni 21 594 Pretti Chashan 22 150 Minal	
6 504 room Valentina Deni 7 1113 /nya 8 1314 Cajel Vallav 9 354 Karsakshi Kaushik 10 1865 Karsakshi Kaushik 10 1865 Karsakshi Kaushik 11 5624 Karsakshi Kaushik 13 378 Karts Deni 13 714 Kinndeep Kaur 14 231 Henti Kurnari 15 11. Parlapothaja Deni Akliandeshaqai 15 11. Parlapothaja Deni Akliandeshaqai 17 1456 Megta Arsad 18 641 Mirisalin S Pranash 18 641 Mirisalin S Pranash 19 1076 Munkan Saini 10 1074 Naorem Bidyalamti Deni 20 1564 Naorem Bidyalamti Deni 21 595 Predti Chauhan 22 110 Ritika	
7 15.13 (we 15.14	
8 15.56 Eajel Yaslav	
354 Earchast Fauntik 10	
10	
11	
13 378 Kavita Devi 13 378 Kavita Devi Aur 14 218 His andreps Raur 14 218 Hentz Kurnari 15 114 Patlapothula Devi Akliandeshaqi 15 17 1458 Megta Anand 17 1458 Megta Anand 18 641 Mrinalini S Pratiash 18 1570 Munkan Sami 20 1544 Naorem Bidyalaumi Devi 21 1594 Presti Chauhan 22 210 Atriba 23 340 Sangeeta 24 24 24 24 24 24 24 2	
13	
14 23h Mentis Kumari 15 111 Patlapothula Devi Akliandeshwari 16 27h Km. Monika 17 3456 Megha Anand 18 641 Minnalini S Prateab 19 1574 Muskan Sami 20 1534 Naconn Bidyalanni Devi 21 594 Presti Chashen 22 210 Atrika 23 340 Sangeets	
15	
10 276 Km. Monika 17 1456 Megha Arasad 18 641 Mrinalini S Prakash 19 1570 Murikan Salni 20 1564 Naorem Bidyalaunii Deel 21 596 Predti Chashan 22 210 Attika 23 340 Sangeeta	
17 3416 Megha Anand 18 641 Mirinalini S Prahash 19 3576 Musikan Sarai 20 1554 Nacrem Bidyalasmi Deci 21 599 Presti Chashen 22 310 Mitika 23 540 Sangeeta	
18	
18 1576 Mankan Sani 28 1564 Naorem Bidyalasmi Devi 21 590 Pvedt Chashan 22 310 Atrika 23 340 Sangoeta	
20 1104 Naorem Bidyslamti Desi 21 594 Presti Chashan 22 130 Ritika 21 340 Sangesta	
21 598 Predt Chauhen 22 130 Rinka 21 340 Sangoeta	
22 530 Ritika 23 540 Sangoeta	
21 340 Sangeets	
24 U.S. Golfall Salvo	
25 15.17 Stumpin Lidares	
26 1347 Stanzin Yangdol	
27 350 TOJ6	
28 Xio Sweta Gabiot	
26 566 Meghs Singh	
30 310 Vasibuli Rhurana	

E Gutanjali



2017-2018
B.Sc. (H) Botany
556
Biostatistics (DSC-2)
32167502
III year
v
25

Projects completed

Individual projects had to be done as part of the practical curriculum for the paper Biostatistics. The project report had to be submitted in the the form of power-point presentations and orally

presented in the class. Students are evaluated on the basis of how well they have applied different aspects of statistical analysis to the data that they have collected. Each student is expected to collect data from within the college campus (minimum 100 data points) and analyse the data for different measures of central tendencies like mean, median, mode, perform students t-test and find out correlation between two variables. They are expected to formulate their own hypothesis and then accept or reject the same based on their calculations.

Each student had collected the data individually and randomly. Their project topics ranged from a study of marks obtained v/s hours of study; number of chapattis eaten in a day v/s weight of the individual; Pocket money v/s deodorant brand used etc to laboratory based studies like salt concentration v/s plant height, nitrogen concentration v/s plant weight etc.

i. No.	Bull No.	Nome
1.2	930	Akanlishu
3	1639	Ankita
1	95	Santa Yatlar
1	1674	Chaymika Gupeta
1	1418	Deeksha Goirnia
1	652	Dimple
-1	860	Garima Shuttle
1	654	Harshita Prtyadarshin
-	657	FETTIL ASSURE

B.Sc. (H) Botany III Year (Semester V)

\$ 1418 Onesta comma

8 651 Olimple

7 880 Garina Shutta

8 654 Harshita Propalarshin

9 657 Pitta Asang

10 834 Pitra Shutta

11 763 Iqra Native Glan

12 668 Carchian Sarol

13 1471 Carnal

24 654 M. Tornation Toritang

15 1416 Megha Khat

16 5056 Namida Singh

17 2894 Pallan Shut

18 805 Pooja Yadar

28 1469 Rusar Bani

21 1575 Shatip

21 1576 Shusan Bhat

23 606 Stanin thadin

24 806 Suhmat Native

25 606 Stanin thadin

26 606 Stanin thadin

27 1556 Shusan Bhat

28 606 Stanin thadin

Santalon



Academic Year	2017-18	
Paper Name	SEC 4: Intellectual Property Rights	
Unique Paper Code	42163601	
Course	B.Sc. Life Sciences	
Programme Code	583	
Year	III Year	
Semester	VI	
Total no. of students	38	

Projects completed

Individual IPR e-diary had to be submitted as part of the practical examination for the paper Intellectual Property Rights. It is of 5 Marks. Students selected topics of their choice from the syllabus such as Copyright, Trademark, GI Food, GI Industry, and others. They had to click the pictures of the products themselves. Google photos of the products were not allowed. Students were evaluated based on the product selected by them and the content including number of samples and their original photographs.

5,030	moli rec.	Name
1	677	Astushi Maitrey
2	844	Akenisha Hazeria
3	374	Anamika Arand
. 4	1740	Apparous Singh
1.56	953	AGE
-6	1641	Armita Yastar
7	249	Anabula singh
1	651	Aribie Aziz
.0	996	Astha Parthar
10	852	Shoomika
11	3892	Disks
12	1660	Dolotoi
18	909	Hacebi Gupta
14	229	Harshita Saini
15	50	Himanshi Malik
16	549	Kanishka Malik
1.7	826	Kritika Verma
18	31	Limmala Franathi
19	175	Manay Otellon
20	27	Manu Kapoor
23	683	Monika Yaday
22	309	Meghali Singh
23	108	Namirata Kaile
24	224	Neha Mehisout
25	793	Nandini Singh
26	343	Praeti Vadav
27	357	Postma Mudai
28	766	madhika
29	536	Rashmi
30	409	Rashmi Prabha
31	120	Riggin Doftar
112	325	Ritika Sharti
33		Riye Chaudhary
34	63	Shambhayi Dwivedi
35	231	Shatakshi Chaturvedi
36	569	Sonali Awasthi
37	54	Sukarrya David
58	201	TAODIA

Teacher's Signature: