



Miranda House UNIVERSITY OF DELHI

Departmental Annual Report- 3

Departmental Activities: Curriculum and Beyond

Department: Botany

Academic Year: 2016-17 (1st July 2016 to 30th June 2017)

Part A.1

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

S. No.	Paper: Ecology/ Systematics/ Environmental Management	
1	<p>Place of visit: Sulabh International Social Service Organization, New Delhi (for Core Papers Ecology and Plant Systematics)</p> <p>Date: 28 September 2016</p> <p>Programme: B.Sc. (H) Botany III Year</p> <p>Course: Environmental Management</p> <p>No. of students: 40</p> <p>Accompanying teachers: Dr. Sushma Moitra, Dr. Janaki Subramanyan, Dr. Madhu Bajaj, Dr. Renuka Agrawal, Dr. Somdutta Sinha Roy</p> <p>Objectives achieved:</p> <ol style="list-style-type: none"> 1. Field visit as per syllabus 2. Gave the students an overview of hygienic waste management and ecological 	



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	biotechnology.	
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2	<p>Place of visit: Neela Hauz Biodiversity Park, New Delhi (for Core Papers Ecology and Plant Systematics)</p> <p>Date: 29 March 2017</p> <p>Programme and Course: B.Sc. (H) Botany II Year for Ecology, B.Sc. Life Science I for Plant Ecology and Systematics, and B. Sc. Life Science III Year for Ecology and Environmental Management</p> <p>No. of students: 70 (approx.)</p> <p>Accompanying teachers: Dr. Janaki Subramanyan, Dr. Rashmi Shakya, Dr. E. Geetanjali, Dr. Deepali, Dr. Somdutta Sinha Roy</p>	<p>Permission Letter</p> <p>20 March 2017</p> <p>The Principal Miranda House University of Delhi Delhi 110007</p> <p>Subject: Permission for field trip.</p> <p>Dear Madam,</p> <p>The Department of Botany is organizing a field trip on 29 March 2017, Wednesday, to Neela Hauz Biodiversity Park (Near Aravalli Biodiversity Park, New Delhi) for B.Sc.(H) Botany II Year, B.Sc. Life Sciences III Year and I Year who have a paper on Ecology as part of their coursework. They would be accompanied by two lab staff from the Department and the following teachers:</p> <ol style="list-style-type: none"> 1. Dr. Janaki Subramanyan 2. Dr. Madhu Bajaj 3. Dr. Saloni Bhatnagar 4. Dr. Rashmi Shakya 5. Dr. E. Geetanjali 6. Dr. Deepali 7. Dr. Somdutta Sinha Roy 8. Dr. Neelam Chaudhry 9. Dr. Deepali 10. Dr. Veena Beri <p>I request you to kindly grant permission for the same.</p> <p>Thanking you, Yours sincerely, Madhu Bajaj (Dr. Madhu Bajaj) T-1-C Botany</p> <p>21/03/17</p>
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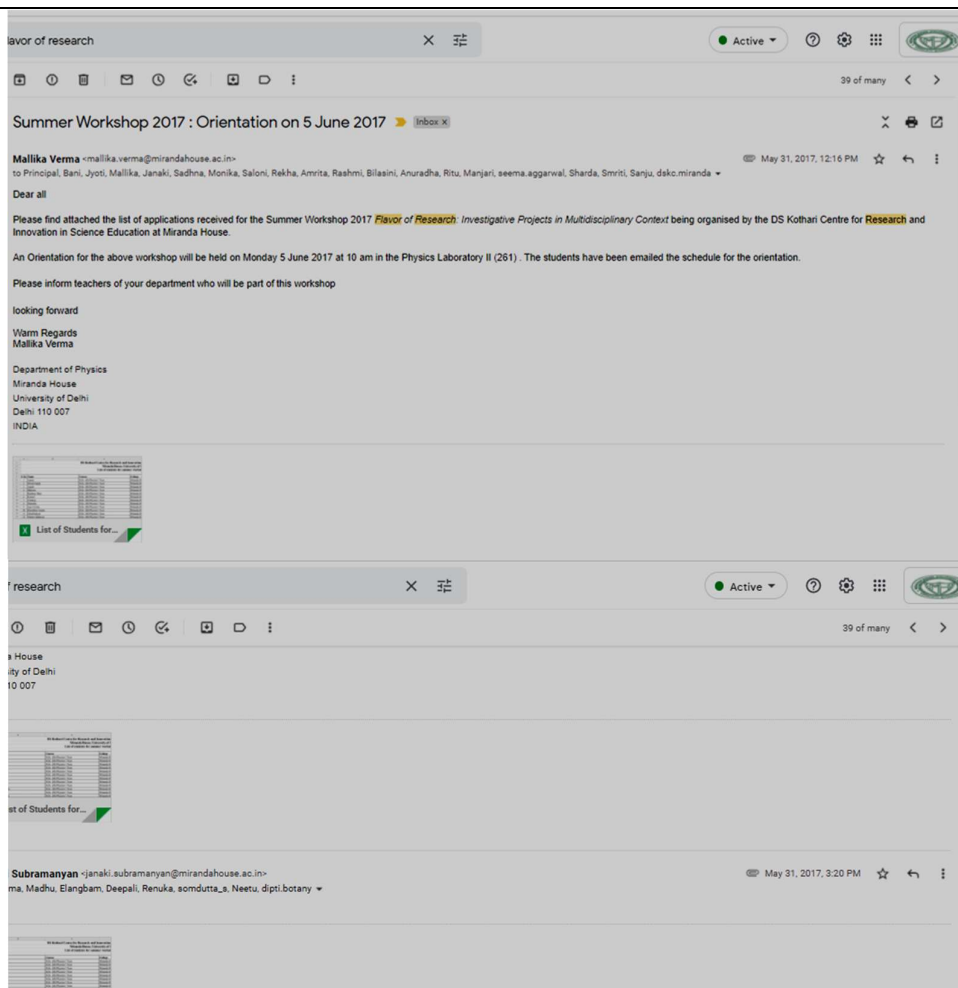


Part A.2

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



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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 05 June 2017.

Programme name	Programme Code	Name of the students
	DSKC Summer Internships 2017	
B.Sc. (H) Botany I Year, Miranda House	Project 1	1. Kavita
B.Sc. (H) Botany III Year, Miranda House	Project title: Morphogenetic Studies On Cowpea Seeds	2. Pallapothula Devi Akilandeshwari
		3. Priya Jha
		4. Shreshtha Yadav



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<p>B.Sc. Life Science I Year, Shivaji College</p> <p>B.Sc. (H) Botany II Year, Hansraj College</p> <p>(Mentors: Dr. Janaki Subramanyan and Dr. Saloni Bahri)</p>		<p>5. Parul Kashiv</p> <p>6. V.J.S.D.A. Chandra Sekhar</p>
<p>B.Sc. (H) Botany II Year, Acharya Narendra Dev College</p> <p>(Mentor: Dr. Rashmi Shakya)</p>	<p>Project 2</p> <p>Project title: Soil Analysis From Pesticide Contaminated Fields In NCR</p>	<p>1. Pooja Jangra</p>
<p>B.Sc. (H) Botany II Year, Miranda House</p> <p>(Mentor: Dr. Somdutta Sinha Roy)</p>	<p>Project 3</p> <p>Project title: Purification Of Grey Water By <i>Alternanthera phylloxeroides</i> (Mart.) Griseb</p>	<p>1. Rajni Yadav</p> <p>2. Himanshi Lather</p> <p>3. Ayushi Khokhar</p> <p>4. Harshita Priyadarshini</p>

COURSE BASED PROJECT (Experiential Learning)					
Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship
B.Sc. (Honours) Botany II Year, Semester III	556	Intellectual Property Rights (SEC)	UPC-32163302	2016	25 Students
B.Sc. (Honours) Botany II Year, Semester IV	556	Biofertilizers (SEC)	UPC-32163403	2017	25 Students



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Academic Year	2016-2017
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

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	25

Project Completed

Commons Project had to be done as part of the practical curriculum for the paper Biofertilizers. The Project title was **"Chemical analysis of different compost to identify C/N ratio"** and report were submitted in hard copy. Students were divided in to the groups based on the different compost used and their evaluation had done by how well they had represented the data. They had studied different compost by using chemical parameters such as organic matter and nitrogen contents, pH and moisture content etc. in different compost. They have discussed their collected data on the basis of various published articles.

B.Sc. (H) Botany II Year (Semester III) 2016-17

S. No.	Roll No.	Name
1.	561	Akanksha
2.	1630	Anita
3.	95	Banita Yadav
4.	1674	Chayika Gupta
5.	1418	Dakshita Garola
6.	651	Dimple
7.	660	Garima Shukla
8.	654	Hansika Priyadarshini
9.	657	Hiba Roung
10.	634	Husam Khan
11.	763	Iqra Nabees Khan
12.	668	Kanchan Sang
13.	1471	Komal
14.	644	M. Tomalim Torbang
15.	1416	Mugha Khan
16.	1936	Namita Singh
17.	694	Pallavi Rie
18.	805	Pooja Yadav
19.	1884	Rajni Yadav
20.	1449	Raksha Bano
21.	1525	Shaily
22.	1556	Shivani Bhatt
23.	666	Shweta Lhadol
24.	806	Sushmita Negthojam
25.	811	Viveka Thapliyal

E Gutunjali

Deepali