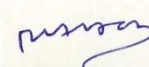


LIST OF FIELD TRIPS CONDUCTED BY VARIOUS DEPARTMENT

1	Visit to Biogas digester plant at Nagpur Municipal Commissioner's Bungalow	Department of environmental science & NMC	2015	4/27/2015	Field Visit
2	Visit to Maharashtra Remote Sensing Applications Centre	Department of environmental science & Maharashtra Remote Sensing Applications Centre, VNIT Campus, Nagpur	2015	4/29/2015	Field Visit.
3	ISPRS Summer School training workshop (Ms. Anagha P Patil)	IIRS Dehradun	2015	7/6/2015	On Job training program , National.
4	Visit to Biodiversity Park at RajBhavan with B.Sc. I students and M.Sc. II students of Botany Department	Raj Bhavan ,Nagpur & BNHS.	2016	10/12/2016	Field Trip
5	Department of Chemistry Visit to MIDC Hingna and Mihaan Project Nagpur.	MIDC	2017	1/12/2017	Field Visit
6	"Migration of Birds" at Gorewada	Forest Department Of Maharashtra.	2017	1/19/2017	Field Visit
7	One Day Workshop On Medicinal Plants	Ayurvan Foundation Katlabodi	2017	2/7/2017	Field Visit.
8	Department of Chemistry Field Trip.	Department of Chemistry.	2017	2/03/17 to 6/03/17	Field trip
9	Department of Enviornmental science Visit of M.Sc. I students to Phyto-remediation Plant, PDKV Nagpur	PDKV	2017	3/15/2017	Field trip
10	Visit of M.Sc. I & II students to Sewage Treatment Plant, Bhandewadi	NMC	2017	3/20/2017	Field trip

11	Visit of M.Sc. I & II students to Water Treatment Plant, Veolia	Veolia Water Treatment Plant	2017	3/22/2017	Field trip
12	Visit of M.Sc. I & II students to Regional Meteorological Centre, Nagpur	Regional Meteorological Centre.	2017	3/23/2017	Field trip
13	Visit of M.Sc. students to, NEERI, Nagpur along with Dr Ramchandra from IISC Bangalore	NEERI, Nagpur.	2017	3/24/2017	Field trip
14	Departmental of zoology visit to Seed Testing laboratory, Nagpur.	Seed testing Laboratory.	2017	3/24/2017	Field trip
15	Botanical Excursion Tour	Department of Botany , at Makardhokda Dam.	2017	9/26/2017	Field trip
16	Department of Statistics -Visit to National Sample Survey Office (NSSO)	NSSO	2017	9/26/2017	Departmental Visit
17	Departmental Visit of External Students Of Kamla Nehru mahavidalaya,Nagpur.	Kamla Nehru Mahavidalaya	2017	10/11/2017	Student Exchange
18	Industrial Visit of the Electronics Department	Shriram rice mill, Pachkhedi	2018	05/01/18 to 06/01/18	Field trip
19	Department of statistics. Visit to NEERI	NEERI, Nagpur.	2018	1/15/2018	Field trip
20	Biodiversity study tour of B.Sc I year to Pench National Park	Department of Environmental Science	2018	2/9/2018	Field trip
21	Department Of Environmental Science - Excursion Tour To Shimla	Department of Environmental Science	2018	11/02/18 to 19/02/18	Field trip
22	Botanical Excursion at Simla, Kullu Manali	Department Of Botany.	2018	2/13/2018	Field trip

23	Department of Zoology Visit to seed testing laboratory	Department of Zoology	2018	2/15/2018	Field trip
24	Visit to Bhandewadi Sewage treatment plant	Department of Environmental Science	2018	3/9/2018	Field trip
25	Visit of PG students to Neelawar Laboratory	Department of Chemistry, in collabration with Neelawar Laboratory	2018	3/22/2018	Field trip
26	Botanical Excursion Tour at Satpuda Botanical Garden	Satpuda Botanical Garden	2018	3/26/2018	Field trip
 Director Institute of Science NAGPUR.					

Study Tours & Industrial Visits

Department of Environmental Science Visit to Biogas Digester Plant at Nagpur Municipal Commissioner's Bungalow (27/04/2015)

Students of B.Sc. Part II visited a Biogas digester plant at Nagpur Municipal Commissioner's Bungalow on 27th April 2015. Shri. Shrikant Pathak explained the entire working of Biogas digester implemented by Kirloskar Pumps.



Visit to Maharashtra Remote Sensing Applications Centre (29/04/2015)

Students of B.Sc. Part II visited Maharashtra Remote Sensing Applications Centre, VNIT Campus, Nagpur and Dr. Ajay Kulkarni a scientist from MRSAC explained about the Basics of Remote Sensing and its Applications in Environmental Science.



SPRS Summer School Training Workshop (06/07/2015)

A research student Ms. Anagha P Patil was selected as one of the participant amongst 20 from all over India for ISPRS Summer School training workshop of 10 days organized by IIRS, Dehradun.



Department Of Botany

Visit to Biodiversity Park at Raj Bhavan with B.Sc. I students and M.Sc. II students of Botany Department (12/10/2016)

Tour of B.Sc. I & M.Sc. II students was arranged to Biodiversity Park Raj Bhavan, Sadar Nagpur. Fifty students attended the excursion. Executive of Bombay Natural History Society an NGO guided our students. The Biodiversity Park along with thematic sections such as Butterfly garden, Herbal garden, Cactus gardens etc was an ideal opportunity for our students to enrich their knowledge. The nature trail in the Biodiversity Park provides an excellent opportunity to see and understand local biodiversity. Excursion was arranged under the guidance of Dr. P.S. Jakhi and Dr. S.S. Bodkhe.



Department Of Chemistry
One Day Industrial Visit of M.Sc. Students to Hingna MIDC and Mihan
Project Nagpur (12/01/17)

As per the curriculum of M.Sc. Chemistry, students are expected to visit prominent industries and companies for the practical exposure and insight to real working environment. So with the help of MCED, Nagpur Department of Chemistry organized one day industrial visit to Hingna MIDC and MIHAN project on 12 Jan 2017.

Mr. H. R. Waghmare, Project Officer MCED, Udyog Bhavan Nagpur gave permission to visit 10 minor industries in Hingna MIDC and also arranged the special meet with secretary of MIHAN project. He also made arrangement of one guide Mr. Rammilan Kashyam. Department is really very thankful to both of them for giving their valuable time to us.



Department of Zoology
“Migration of Birds” at Gorewada (19/01/2017)

Dr. Kishor. G. Patil, H.O.D. of Zoology Department, Institute of Science and Guest of honor for the workshop explained the importance of Migratory Birds in his introductory speech. He said, “Gorewada International Bio-park is rich in its flora as well as fauna. In the vicinity of Nagpur City it is always an important site for nature lovers, environmentalists, researchers and bird watchers etc. Therefore I found this place ideal for the workshop”. He requested the participants to take part in every session of the workshop and respect nature.



Participants in Workshop on “Migration of Birds” at Gorewada International Bio-park, Nagpur.
Dated 19th Jan. 2017

Department Of Chemistry
Five Days Long Tour Of Rajasthan 2016-17
(2nd - 6th March 2017)

A five day tour to Rajasthan was organized by Department of Chemistry for M. Sc. Students. Dr. Indira Soni, Dr. Naqui Siddiqui and Dr. Rajendra Tayade accompanied the students.



Department of Environmental Science
Visit of M.Sc. I students to Phyto-remediation Plant, PDKV Nagpur
(15/03/2017)



Visit of M.Sc. I & II students to Sewage Treatment Plant, Bhandewadi
(20/03/2017)

Our main purpose for this visit is to be familiar with industrial environment and to get practical knowledge of sewage treatment plant components. Also in our syllabus, subject like water and waste water treatment requires knowledge about how polluted water is being treated, so it is very much convenient to see all the components in real time work environment.



Visit of M.Sc. I & II students to Water Treatment Plant, Veolia (22/03/2017)

On 22nd March, 2017 students have visited the Veolia drinking water treatment plant situated at Godhani, Nagpur. The visit started with a general introduction about the water treatment plant. Mr. Dhiraj Koche, Head of the Veolia projects in Nagpur, explained them about the advanced technologies used in purification of water. He showed them a couple of animated videos explaining the Multiflow-TM and TGV Filters. He also cleared our doubts about the conventional and advanced methods used in treatment of water.



Visit of M.Sc. I & II students to Regional Meteorological Centre, Nagpur (23/03/2017)

Students learned about measurement of wind speed and direction, wind roses and the data interpretation, weather prediction and forecasting by meteorology department, rainfall measurement and forecasting.



Visit of M.Sc. students to, NEERI, Nagpur along with Dr. Ramchandra from IISC Bangalore (24/03/2017)



Students of M.Sc. interacting with Dr. Ramchandra from IISC, Bangalore

Department of Zoology
Visit to Seed Testing Lab. Nagpur (24/03/17)



Department Of Botany
Botanical Excursion to Makardhokda Dam on (26/09/2017)

As a part of B.Sc. Curriculum One Day Excursion tour of B.Sc. III year students was organized to Makardhokda Dam, Saiki Wetland And Mangali Platue by Department Of Botany, Institute of Science, and Nagpur.

The major objective was to familiarize students with flora and ecology of the region. Also to acquaint them with importance of wetlands and threats these ecosystems face due to natural and anthropogenic pressure. A group of 195 students were accompanied by Dr. S.D. Narkhede, Dr. K. D. Jadhav, Dr.H.R.Pohekar, Dr. K.M. Telmore, and Shri. N.B. Yemul & Shri. S.J.Borkar. The tour successfully inculcated in students the practicality of different theoretical concepts of Botany.





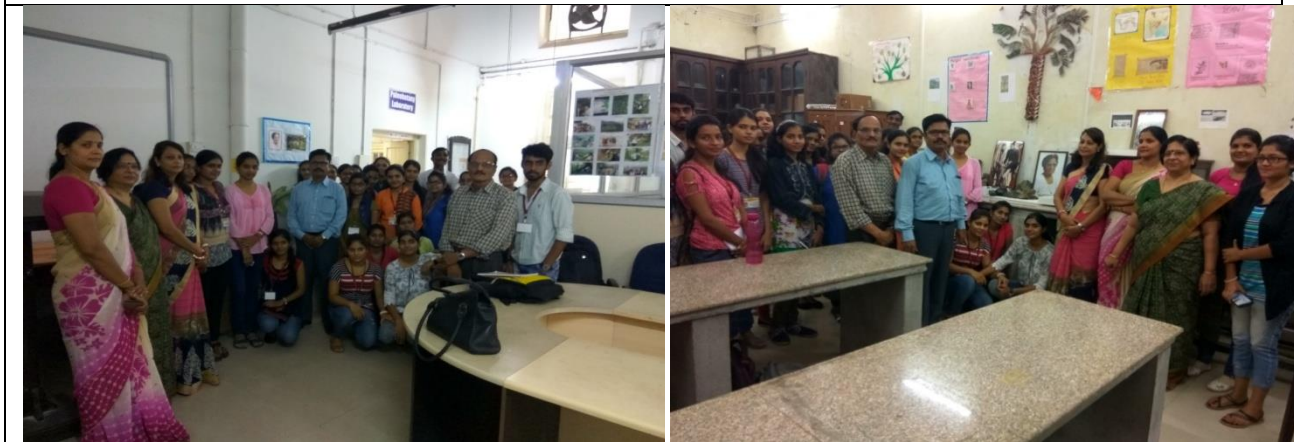
Department of Statistics
Visit to National Sample Survey Office (NSSO) (26/09/2017)

A visit to National Sample Survey Office (NSSO), Nagpur was arranged for the Post graduate students of the department on 26th September 2017. A batch of 40 students along with some faculty members visited the Office. The NSSO authorities acquainted the students with the working of different departments including the Field Operations Division (FOD) and Data Processing Division (DPD). This was followed by an informative presentation by Dr T K Basu, Director General about the role of Statistics in NSSO. There were other presentations by senior officers on the working of NSSO and preparation of Indian Statistical services and State Statistical services. Overall, the visit was very informative and enjoyable.



Department Of Botany

Visit of External Students of Kamla Nehru Mahavidalaya, Nagpur to the Botany Department, Institute of Science, Nagpur (11/10/2017)



Department of Statistics

Visit to NEERI (15/01/18)

In order to make the students aware about the application of Statistics in diverse fields, Department Of Statistics arranged a study tour of P.G. students on 15-01-2018 to NEERI, Nagpur .Around 40 students along with some faculty members participated enthusiastically in the tour.

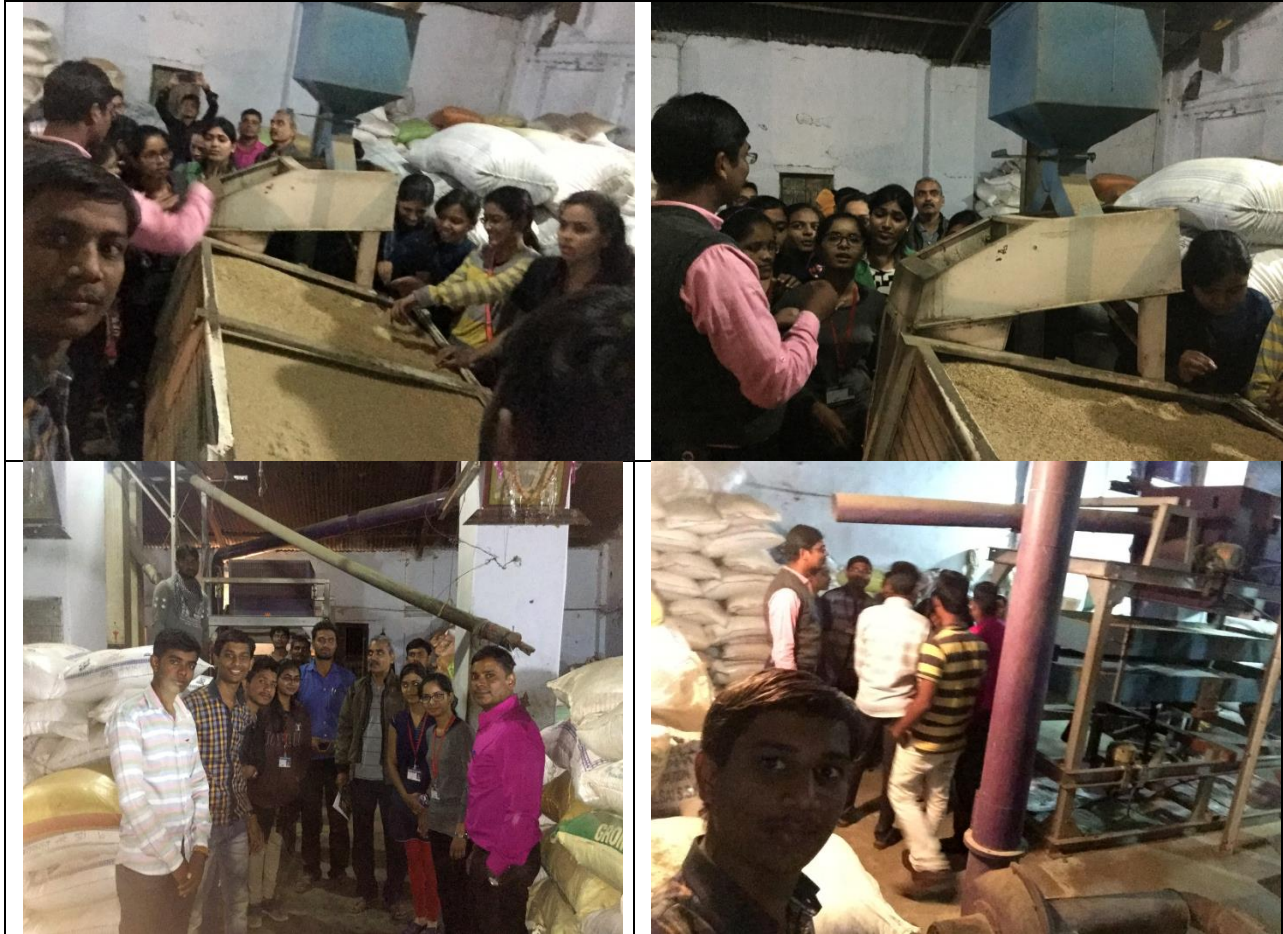
Important aspects such as Dealing with water shortage. Preparing water safety plans, Waste water technology, Environmental Genomics and Removing Waste from drinking water were shown using posters and working models. A short film on Sustainable Development was also shown on this occasion. .

Dr Asha Lalwani , Senior Scientist ,NEERI gave a short description about the problem of air pollution from Koradi and Khaperkheda power plants . She also discussed how this could be explained using a mathematical model based on Normal Distribution (Gaussian Dispersion Phenomenon). The importance of R programming language and Machine Learning of Operational Research was also emphasized.



Department Of Electronics
Industrial Visit of the Electronics Department (05/01/18 to 06/01/18)

Place: Shriram rice mill, Pachkhedi



Department Of Environmental Science
Biodiversity study tour of B.Sc. I to Pench National Park (09/02/18)

Department organized a Biodiversity study tour of B.Sc. I to Pench National Park on 9th February 2018. Students learned about Biodiversity, Wildlife of Pench National Park, Forest Ecology



Department Of Environmental Science
Excursion Tour To Shimla (11/02/18 to 19/02/18)

A long educational tour to Shimla-Manali-Amritsar was organized in the month of February from 11 February 2018 to 19 February 2018. Students studied the flora, fauna, geography and climate of that region. They also visited a Hydroelectric Power Plant situated at Manali.



Botanical Excursion to Simla, Kullu Manali (13/02/18)

A long Botanical Excursion was organized for B. Sc. Sem. VI Students at Delhi, Shimla, Kullu and Manali. Dr. H. R. Pohekar and Dr. K. M. Telmore escorted the students during the tour.



Department of Zoology
Visit to Seed Testing Laboratory (15/02/18)

A central seed testing laboratory is established in IARI, at New Delhi. There are 18 state seed testing laboratories spread over states of India. In Maharashtra, it is located at the College of Agriculture, Nagpur. It is provided with modern seed testing equipments and is helping in seed certification and seed control program.

Its main function is to analyze the seed samples for purity, moisture content, wet seeds (%) and germination, etc and to assist the seed inspectors in determining whether correct labeling is being done as per requirements of the seed act.

The students of M. Sc. Zoology (Semester- 2 & 4) visited the seed testing laboratory on 15th February 2018.

Shri. G. M. Moon, Seed Testing Officer and other officers showed the demonstration of seed testing procedure which determines the standards of seeds on the basis of physical purity, moisture, germination and ODV and thereby enabling the farmer community to get the quality seeds.



Department Of Environmental Science
Visit to Bhandewadi Sewage treatment plant (09/03/18)

B.Sc. III year visited Bhandewadi Sewage treatment plant on 9th March 2018 to study the processes involved in Sewage treatment.

Working and process flow of sewage Treatment Plant, daily sewage generation and the advanced technologies for treatment



Department Of Chemistry
Visit to Neelawar Analytical Laboratory (22/03/18)

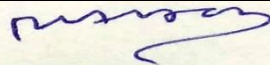
Forty six students and three staff members visited **Neelawar Analytical Laboratory**, one of the biggest testing labs in Maharashtra, nearby Nagpur. Students learnt the method of testing Soil, water and air. Determination of P^H & Conductance by instruments, Sulfur, Phosphorous & Organic Content by Volumetric analysis, Sodium & Potassium by Flame Photometry, and heavy metals in soil and water by Atomic Absorption Spectrometry. Similarly, air sampling equipments were also shown and every instrument was very well explained and demonstrated by the young and enthusiastic staff of the Laboratory. **Mr. Bobade**, manager of the laboratory was very cooperative and supported the students and assured that if any of the students is desirable of learning the working and functioning of the instrument they are free to visit the lab for 2 to 3 days.





Department Of Botany
Botanical Excursion Tour To Satpuda Botanical Garden (26/03/18)




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