



शिवाजी विद्यापीठ, कोल्हापूर **SHIVAJI UNIVERSITY, KOLHAPUR**

Estd-1962 - recognized by UGC U/s 2(f) and 12 (B)

NAAC "A++" Grade with CGPA 3.52



SDG Activities by Shivaji University Kolhapur

Department of Environmental Science

Shivaji University, Kolhapur

Activities 2022-23

1. Integrated flood management requires the use of updated geographic information systems and simulation modeling : Prof. Venkatesh Merwade



Center for Climate Change and Sustainability Studies and Department of Geography in collaboration with Department of Environmental Science organised Guest lecture on "Water Resource Management Using Data , Computational Simulation and Cyber Infrastructure " by Prof Venkatesh Merwade , Purdue University, USA .held in 2nd August 2022.

Water resources are threatened by man-made mismanagement of ground water and environmental changes. Global temperature rise, climate change is causing water scarcity in some places and floods in some places around the world. For that , it is necessary to understand the updated multiscale geo-spatial information system and use it to plan solutions at the local level.

How sand dams are affecting local water availability while managing water resources . _ Also ,he said that It is necessary to study the interrelationship between water storage model, vegetation cover model and integrated flood management modelling. How can this latest technology be used for flood mitigation in the Panchganga and Krishna river basins , Prof. Merwade gave detailed information .

At this time, the Vice-Chancellor Prof. Dr. D. T. Shirke asserted that it is necessary for various sub-departments to work together at the university level to conduct research in this regard. He urged the students to jointly conduct research on water management and catchment areas at micro level.

Hon.Vice-Chancellor Prof.Dr. D. T. Shirke, Pro. Vice Chancellor Prof.Dr. P. S. Patil, Dr. S.D. Shinde, Dr. P.S. Kamble, Dr. P. B. Dandge, along with professors of various departments, students and representatives of social organizations were present. Coordinator of Center for Climate Change and Sustainability Studies Prof. Dr. S S Panhalkar introduced the program. Head of Department of Environment Dr. A.S. Jadhav introduced the guests and Dr. PR Bhosale gave vote of thanks.

2) Ecofriendly Ganesh Festival “Ecofriendly Seed ganesha making Workshop”

: Camouflage Nature Club of Department of Environmental Science, Shivaji University, Kolhapur, will organise Ecofriendly Ganesh Idol making “Seed Ganesha Idol making Workshop” on 25th August 2022. Mr. Gaurav Kaingade, Kalamandir, Kolhapur will give guidance on the making of Eco-friendly Ganesha Idol for the students. He will give demonstrate and will guide our students to make different types of Eco-friendly Ganesh Idols which will add to aware people to worship eco-friendly Ganesh in coming Ganesh festival.





In the inaugural function Prof.(Dr.) Sarika Thakar, Dean Science and Technology and head of the Department of Maths, Shivaji University Kolhapur was the Chief Guest. Dr.(Mrs.) A.S.Jadhav, Head, Dept. of Environmental Science guided to this workshop whereas vote of thanks was proposed by Dr. P.R.Bhosale. In this workshop total 90 students of Environmental Science along with 25 students of other department and city participated while research Scholars, faculty, non-teaching staff were present for this workshop.

3) Donation of Ganesh Idol Program at Kotitirth Lake, Kolhapur: 5th September 2022



Annually, donation of Ganesh idols campaign is conducted at Kotitirth lake by Department of Environmental Science on 5th September 2022. Students of M.Sc.I and M.Sc.II actively participated in the campaign. People willingly donated idols to the volunteers instead of immersing them in the lakes. About 1988 idols were donated at Kotitirth lake, Kolhapur.

All the research scholars, faculty were present for campaign at Kotitirth lake.

4) Internal Auditor Certification Course ISO 14001:2015, ISO 50001:2018 and ISO 9001:2015, 11th Sep 2022 to 14th Sep 2022.

Department of Environmental Science, Shivaji University, Kolhapur, organized Internal Auditor Certification Course ISO 14001:2015, ISO 50001:2018 and ISO 9001:2015 from 11th Sep 2022 to 14th Sep 2022.

The certification course was of three different modules Environmental Management System, Quality Management System, Energy Management System and course was successfully organized and completed by Dept. of Environmental Science, Shivaji University, Kolhapur. As industrial job requires much knowledge about ISO audit, this course was organized. The targeted group was M.Sc students, Research Students, Alumni and faculty of the department. Total 22 students were registered for this course. The course was of total 4 days including examination. The course was conducted by TUV Nord India. Mr. Ajit Vairagkar was the trainer for all three modules. Course was with exercises and presentation.



One first and second day of course two modules were covered each containing ten clauses that are ISO 14001:2015 and ISO 9001:2015. And one third and fourth day ISO 50001:2018 was covered. One last day in second session open book written examination was conducted by Mr. Raut from TUV Nord India.

Internal Auditor Certification Course ISO 14001:2015, ISO 50001:2018 and ISO 9001:2015 was successfully completed with 22 participants.

5) Cleanliness drive on 10th October, 2022 :





On the occasion of Mahatma Gandhi Jayanti. from 22 September 2022 to 30 th September 2022, , a cleanliness campaign was implemented in Shivaji University premises. But due to pursuant to the storm that occurred on 30th September 2022, the said cleanliness drive was conducted on 10th October 2022. in the Department of Environmental Science after 2.30 pm .

. All students, faculty and non teaching staff of the department has cleaned the rooms, laboratory and the area near department. The programme was guided by Head of the Department Dr. (Mrs.) Asawari Jadhav.

6) Campus Visit

17 Oct 2022

1. **Name of the Department:** Department Of Environmental Science, SUK
2. **Date of the Event:** 17/10/2022
3. **Event Co-ordinator:** Dr.Pallavi R.Bhosale and Ms. Priya Vasgadekar
4. **Name of the Chief Guest:** ----
5. **Name of Resource Persons:** ----
6. **Highlights of the event:** (500 words)

A campus visit of Shivaji University was organized for students of M.Sc. I and M.Sc II.so as to make them acquainted with the diversity present at the campus. A mini treck of campus was arranged. Students were introduced to various species of plants, insects, birds and their habitats by Ms.Priya Wasagadekar. and Dr.(Mrs.) Pallavi Bhosale. All the students of M.Sc. I and II and research students of Environmental Science were present for the campus visit.

7. **Number of Participants:** Male: 24 Female:15 Total: 39
8. **Minimum Two/Three pics of events with Geotag**



9. Flyer/Invitation/Pamphlet/Broucher: -----

7) Assessment of Noise Pollution during Diwali festival

28th November 2022

Every year Department of Environmental Science, Shivaji University Kolhapur does assessment of Noise Pollution during different Festival like Ganesh Festival and Diwali Festival. This year on occasion of Diwali festival as usual Department had done assessment of Noise pollution from 24th November to 26th November 2022. It was observed that the Noise pollution level has been increased due to crowd and fireworks. As per the MPCB standards Silent zone should have a noise level below 40 db, residential area below 45 db and commercial should be 55 db respectively. In Industrial area as per standards noise level should be below 70 db but this year we have observed increased in to this level in every area. In conclusion it was seen that this year diwali festival was for three days and two of a big events was come on single day that is why more amount of crackers was busted which increased noise level above standards.

This assessment was done by Department of Environmental Science Shivaji University Kolhapur in 12 different sites of Kolhapur city. This assessment was held under the guidance of Head of the Department Dr. Aasawari Jadhav, Adjunct Professor and advisor

Prof. (Dr.) P.D.Raut, Assistant professors Dr. Pallavi Bhosale and Ms. N.B.Pokharnikar as well as field work were done by research students Chetan Bhosale, Harshad Malwekar.



ध्वनी प्रदूषणात गतवर्षीपेक्षा वाढ				
विद्यापीठाच्या पर्यावरणशास्त्र विभागातर्फे तीन दिवस निरीक्षण				
<p>कोलhapur, ता. १८ : पर्यावरण विभागात आजपासूनही सुरु असलेल्या पर्यावरणशास्त्र विभागातर्फे तीन दिवस निरीक्षण सुरु आहे. या निरीक्षणात पर्यावरणशास्त्र विभागातर्फे तीन दिवस निरीक्षण सुरु आहे. या निरीक्षणात पर्यावरणशास्त्र विभागातर्फे तीन दिवस निरीक्षण सुरु आहे.</p>				
ध्वनी पातळी (डेसिबलमध्ये)				
वेळ	स्थान	सुरुवातीची	समाप्तीची	वाढ
सुरुवातीची	सुरुवातीची	१००.००	१००.००	०.००
	विद्यापीठाच्या परिसरात	१००.००	१००.००	०.००
	विद्यापीठाच्या परिसरात	१००.००	१००.००	०.००
	विद्यापीठाच्या परिसरात	१००.००	१००.००	०.००
समाप्तीची	समाप्तीची	१००.००	१००.००	०.००
	विद्यापीठाच्या परिसरात	१००.००	१००.००	०.००
	विद्यापीठाच्या परिसरात	१००.००	१००.००	०.००
	विद्यापीठाच्या परिसरात	१००.००	१००.००	०.००
<p>ध्वनी पातळी (डेसिबलमध्ये)</p>				
वेळ	स्थान	सुरुवातीची	समाप्तीची	वाढ
सुरुवातीची	सुरुवातीची	१००.००	१००.००	०.००
	विद्यापीठाच्या परिसरात	१००.००	१००.००	०.००
	विद्यापीठाच्या परिसरात	१००.००	१००.००	०.००
	विद्यापीठाच्या परिसरात	१००.००	१००.००	०.००
समाप्तीची	समाप्तीची	१००.००	१००.००	०.००
	विद्यापीठाच्या परिसरात	१००.००	१००.००	०.००
	विद्यापीठाच्या परिसरात	१००.००	१००.००	०.००
	विद्यापीठाच्या परिसरात	१००.००	१००.००	०.००

8)Lead Auditor Certification Course ISO 14001:2015

17 Oct 2022

- Name of the Department:** Department Of Environmental Science, S
- Date of the Event:** 5 th Nov 2022 to 9 th Nov 2022.
- Event Co-ordinator:** Dr. Asawari S.Jadhav
- Name of the Chief Guest:** ----
- Name of Resource Persons:** Mr. Satish Lokhande
- Highlights of the event:** (500 words)

Department of Environmental Science, Shivaji University, Kolhapur, organized Lead Auditor Certification Course ISO 14001:2015 from 5 th Nov 2022 to 9 th Nov 2022.

The certification course of Environmental Management System was successfully organized and completed by Dept. of Environmental Science, Shivaji University, Kolhapur. As industrial job requires much knowledge about ISO audit, this course was organized. The targeted group was Research Students and faculty of the department. Total 12 students were registered for this course. The course was of total 5 days including examination. The course was conducted by TUV SUD India. Mr. Satish Lokhande first principle Auditor of EMS in India was the trainer for EMS. The

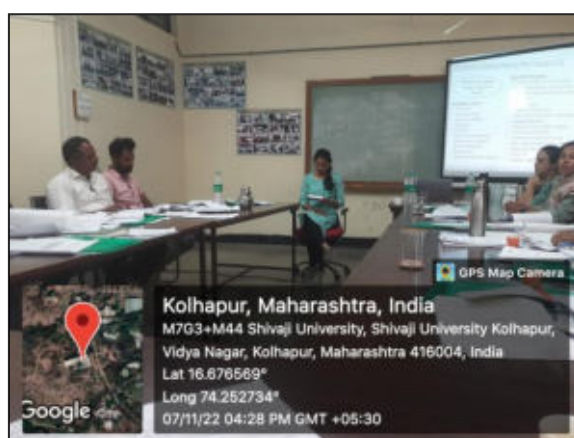
Course included with exercises and presentation. Four days of course all 10 clauses were covered with examples, presentation and some demo. One last day in second session open book written examination was conducted by Mr. Sumit Ghunake from TUV SUD India. Lead Auditor Certification Course ISO 14001:2015 was successfully completed with 12 participants.

9. Number of Participants: Male: 5

Female:7

Total: 12

Minimum Two/Three pics of events with Geotag



10) Nature Visit to Dapoli

24th Nov 2022

1. **Name of the Department:** Department Of Environmental Science, S
2. **Date of the Event:** 24 th Nov 2022 to 26 th Nov 2022.
3. **Event Co-ordinator:** Dr. Asawari S.Jadhav
4. **Name of the Chief Guest:** ----
5. **Name of Resource Persons:** ---
6. **Highlights of the event:** (500 words)

Department of environmental science, Shivaji University, Kolhapur organized a study trip for three days from 24th November - 26th November 2022. As is a part of the syllabus it's necessary to organize such a trip that encourages students exposed to different environment for learning new skills with on-ground field experiences. This study trip may include Nature Visits, Industrial visits, visits to different Universities, etc. The environmental science department started a trip on 24th November where they first visited Songaon a village in Khed, Ratnagiri District known as the Village of crocodiles here we performed different activities like mangroves and Crocodile Safaris. Students were guided by Ms. Kranti Mindhe, co-ordinator of Mangroove Foundation an organization working under the Maharashtra Forest Department.

On 25th November we visited Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli in Ratnagiri. The inauguration program was held at the college of forestry, Dapoli which was Inaugurated by Dr. Satish Narkhede, Associate Dean, College of Forestry, Dapoli in presence of Dr. Asawari Jadhav (HOD, Dept. Of Environment science, SUK) and Dr. Vinayak Patil (Associate professor, COF, Dapoli), Research students and students of MSc I and II (Environmental Science, SUK, Kolhapur). After the inauguration, we all had an introduction with the guest Mr. Shubham Kanure, Project Coordinator, UNDP (Alibaug). He took a lecture on butterfly literacy. Our Next Visit was to the Meteorological laboratory at the university where Dr. Vijay More guided us and introduced all of us to different meteorological instruments used for measuring different weather parameters. Students from the College of Forestry, Dapoli Demonstrate the Forest Mensuration & Camera trapping activities with that we also visited the medicinal plant nursery, charak herbal garden, Bamboo Setum, Nakshatra Van, Wood workshop, and forest Nursery present on the University Campus.

On our last visit, on 26th of November, was at CETP (Common effluent treatment plant), lotte, and Gharda Chemicals. Ltd, lotte where we learned the working of CETP and at Gharda chemicals we saw its Effluent treatment plant, and its working along with it we saw the Mechanical Vapour Recompression Evaporator, also known as MEE.

10. Number of Participants: Male: 18

Female:27

Total: 45



11) Visit to Biogas, Bio-composter and vermin compost visit**30th Dec 2022**

1. **Name of the Department:** Department Of Environmental Science, SUK
2. **Date of the Event:** 30th Dec 2022
3. **Event Co-ordinator:** Ms. Aasawari Kulkarni
4. **Name of the Chief Guest:** ----
5. **Name of Resource Persons:** -.

The Department of Environmental Science, Shivaji University Kolhapur, organized a visit to Biogas, Bio-compostor and Vermicompost plants installed within the campus. The visit was organized to make students aware about the importance, working, and benefits of these environment friendly plants.

The visit included three stages where the first stage was to visit Biogas plant. Mr. Sagar Dalawi guided the students and discussed about the biogas plant in detail. The students were informed about the plant capacity, model name, installation date, overall production, requirements, working, and outputs. The plant is certified by ISO 14001, ISO 9001.

In the second stage the visit was continued to Bio-compostor. The process, requirements, capacity, importance, benefits, and usage were discussed in detail. Bio-compostor is a device or system designed to compost organic waste, such as food scraps, yard waste, and other biodegradable materials. Using bio-compostor to compost organic waste is an environmentally friendly way to reduce the amount of waste going to landfills, which can help reduce greenhouse gas emissions and support sustainable agriculture.

Lastly, the third stage of the visit to vermicompost was carried out. The students were made aware about the working process, requirements, species of Earthworms that are helpful in vermicomposting and have high efficiency to degrade the material, the period of preparation of compost, quality analysis and maintenance. These were the three campus eco-friendly projects that add to the cleaner and greener environment.

These visits are an important aspect of education that provides students with opportunities to learn outside of the classroom. These visits would help the students to enhance their hands-on learning, exposure to new ideas, social and emotional development, and explore potential career paths.

- 6 Number of Participants: Male: 24 Female: 14 Total: 38**
7 Minimum Two/Three pics of events with Geotag



12) Nanndi foundation Report**13th Feb to 17th 2023****1 Name of the Department:** Department Of Environmental Science, SUK**2 Date of the Event:** 13th Feb to 17th 2023**3 Event Co-ordinator:** Ms. Niramla Pokharnikar**4 Name of the Chief Guest:** ----**5 Name of Resource Persons:** -.Ms. Aasawari Kulkarni

Department of Environmental Science organized soft skill programme under the central cell of Shivaji University with Nanndi Foundation from the date 13/02/2023 to 17/2/2023.

From Environmental Science Department 24 girls students had participated in this programme .Nanndi foundation sent a trainer as Ms. Assawari Kulkari for programme. Programme started with welcome ceremony introduction had given by Ms. Nirmala Pokharnikar asst. professor (Temp.). Following attached framework schedule as day wise.

Framework- 36 hours			
Day	No.	Session Title	Duration
1	1	MS Word Insert Tab and Notes	2 Hours
	2	Google Docs (Table of contents, Voice Typing and Translation	2 Hours
	3	Google Sheets (Introduction, Home Tab and Formulae)	2 Hours
2	4	Google Sheet Practical	2 Hours
	5	Formula III, Filter & Conditional-	2 Hours
	6	Excel for Business	2 Hours
3	7	Excel for Business (Practicals) & Graphs	2 Hours
	8	MS Powerpoint Introduction and Home Tab	2 Hours
	9	Home/Insert Practical and Animation & Transitions	2 Hours
4	10	Designing Tools - Canva, Etc	2 Hours
	11	Professional Communication	2 Hours
	12	Goal Setting and Time Management	2 Hours
5	13	Effective Speaking	2 Hours
	14	Collaboration Skills	2 Hours
	15	Problem Solving	2 Hours
6	16	Acing a GD	2 Hours
	17	Interview Preparation- 1	2 Hours
	18	Interview Preparation- 2	2 Hours
Total		6 Days 18 Sessions 36 Hours	

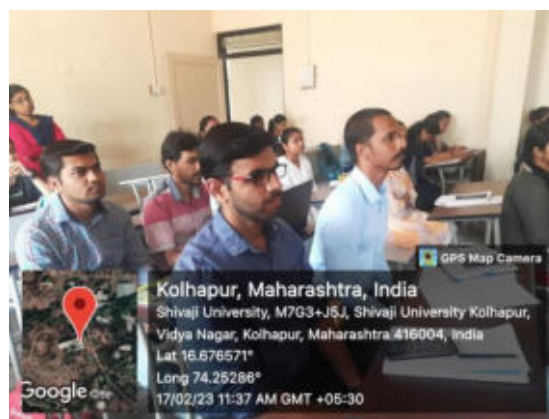
Valedictory function had arranged in NILAMBARI hall, Botony department at 17/2/2023 .All students had participated in 5 days programme with enthusiastic and happily. They learnt all skills by trainer with healthy environment.

6. Number of Participants: Male: 10

Female:22

Total: 32

7 Minimum Two/Three pics of events with Geotag



13) Sumangalam Panch Mahabhoot Lokotsav Event Report 20th February to 26th February 2023

- 1. Name of the Department:** Department Of Environmental Science, SUK
- 2 Date of the Event:** 20th February to 26th February 2023
- 3 Event Co-ordinator:** Dr. Asawari Jadhav
- 4 Name of the Chief Guest:** ----
- 5 Name of Resource Persons:** -.

Highlights of the event:

According to Indian knowledge and traditions, the entire universe is made of five elements that is space, air, fire, water and earth. The Panch Mahabhoot concept had been common to and accepted by all the civilizations of the ancient world. State Government had sanctioned a fund of 2 Crore 84 Lakhs for the event that aims to conserve these five elements essential for the survival. The area covered for the event was about 650 acres.

Department of Environmental Science organized environmental survey on the Panch Mahabhoot Lokotsav Event from 18th February 2023 to last day of event. During this survey Head of Department of Environmental Science, Dr. Asawari Jadhav, along with Dr. Pallavi Bhosale, Mrs. Nirmala Pokharnikar and all the research students gathered together and discussed about the event. The responsibilities of evaluation of various environmental aspects such as solid waste, water usage, and electricity utilization at the event were divided into respective teams of students under the guidance of faculties and research students. Five teams were made and each was to collect the information from the event. After the distribution of responsibilities students along with their team leaders went to the event location to look after the preparations and work done. The event was held from 20th February to 26th February, 2023. The students collected information from the allotted sections such as food stalls, animal exhibition, parking area, etc. The information was collected in the form of forms provided by the respective team leaders to be filled by the students and submitted. Daily reports of work done were shared by the students to their respective team leaders. The main motive behind this was to acquaint the modern youth with the traditional knowledge systems of India and to make the traditional society aware of scientific thinking and relevant contemporary modern technologies.

The data collection was completed within the given duration of time and compilation was preceded thereafter. Various sectors were taken into consideration such as use of electric gadgets, appliances, sources of lighting, use of machines, devices, water sources and their utilization, solid waste generation and its quantity, hygiene maintenance and noise monitoring were carried out from different locations from the event.



14) Industrial Visit

22th February 2023

1. **Name of the Department:** Department Of Environmental Science, SUK
2. **Date of the Event:** 22th February 2023
3. **Event Co-ordinator:** Ms. Niramla Pokharnikar
4. **Name of the Chief Guest:** ----
5. **Name of Resource Persons:** -.

Highlights of the event:

As a part of curriculum, the Department of Environmental Science organized a visit to CETP Common influent treatment plant and Dairy effluent Treatment Plant at Kolhapur Dudh Utpadak Sangha, Gokul Shirgaon Dist. Kolhapur, Gokul MIDC Kolhapur for M.Sc I and M.Sc II students on 22th February 2023. Mr. Mahajan (ESH officer) of CETP and Mr. Nikam (ESH officer) of Gokul Dairy gave detailed information of all unit of the plant such as Sreening, Grit Chamber, Aeration tank, secondary and tertiary treatment and their units. He also gave information about purification unit and its processes. Ms. Nirmala Pokharnikar and Mr. Chetan Bhosale Assistant professor of Department of Environmental Science accompanied the students.

6. **Number of Participants:** Male: 23 Female: 14 Total: 37
7. **Minimum Two/Three pics of events with Geotag**



Dudh Utpadak Sangha, Gokul Shirgaon Dist. Kolhapur



Visit to CETP



15) Intellectual Property Rights Workshop

27 Feb 2023

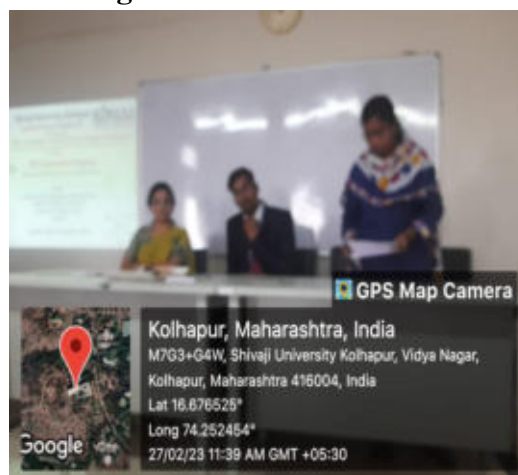
- 1 **Name of the Department:** Department Of Environmental Science, SUK
- 2 **Date of the Event:** 27 th February 2023
- 3 **Event Co-ordinator:** Dr. A.S.Jadhav (Head, Dept of Env.Science SUK)
- 4 **Name of the Chief Guest:** ----
- 5 **Name of Resource Persons:** - Mr. Mayur Lokhande from IPO, Mumbai.
- 6 **Highlights of the event:** (500 words)

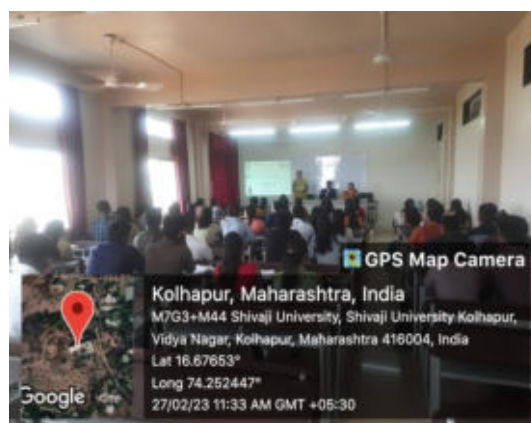
Under National Intellectual Property Awareness Mission Intellectual Property Rights Cell in association with Office of Controller General of Patents, Designs & Trademarks Ministry of Commerce and Industry, Department of Promotion of Industry and Internal Trade, Government of India under this guidance Department of Environmental Science and Department of Biotechnology jointly organised IPR Awareness Program on 27th February 2023 in Microbiology hall.

The Resource person of the workshop Mr. Mayor Lokhande from IPO, Mumbai delivered a very informative talk on IPR and its components such as patent, trademark, copyright, design etc. In his lecture he gave brief information about important aspects required to file patent and also legal requirement. This workshop was very much helpful for creative and innovative practices of students.


Prof. Dr. J.P. Jadhav Head of the Biotechnology Department welcomed and gave presidential remark and Ms. N.B. Pokharnikar, Assistant Professor, Department of Environmental Science proposed vote of thanks. For this workshop Dr.(Mrs.) A.S.Jadhav. Head, Department of Environmental Science along with Teaching, Nonteaching Staff, Students of Environmental and Biotechnology Department were present.

- 7 **Number of Participants:** Male: 13 Female: 16 Total: 29
- 8 **Minimum Two/Three pics of events with Geotag**





9 Flyer/Invitation/Pamphlet/Broucher: -----



Est. 1962
"A++" Accredited by
NAAC (OBE)
WIL COFA (A)

**SHIVAJI UNIVERSITY, KOLHAPUR - 416 004,
MAHARASHTRA**
Intellectual Property Rights (IPR) Cell
PHONE: 0231 - 2609439; 8208788415 EPABX - 2609000,
www.unishivaji.ac.in, dir.iprc@unishivaji.ac.in
शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४,
महाराष्ट्र
दूरधनी - ०२३१-२६०९४३९, www.unishivaji.ac.in dir.iprc@unishivaji.ac.in



भारत सरकार

Ref. SU/ IPR Cell/2023- 06 Date: 14/02/2023

IPR Awareness Program

Under National IP Awareness Program (NIPAM 2.0)
In Association with

Office of the Controller General of Patents,
Designs & Trademark, Mumbai

Schedule of IPR Program at various affiliated colleges

Sr. No.	Name of The College/ Departments	Address	Day, date & time	Speaker	
1.	Department of Environment Science, Shivaji University, Kolhapur	Auditorium, Department of Biotechnology, Shivaji University, Kolhapur	Monday, 27 th February, 2023, 11.00 AM	Mr. Mayur Lokhande, Examiner, Patents & Design, Patent Office, Mumbai, Ministry of Commerce & Industry, Government of India.	
2.	Department of Biotechnology, Shivaji University, Kolhapur				
3.	Department of Microbiology, Shivaji University, Kolhapur		Monday, 27 th February, 2023, 02.30 PM		
4.	Mahavir Mahavidyalaya, Kolhapur	Bhausingji Road, Nagala Park, Kolhapur	Tuesday, 28 th February 2023, 10.00 AM		
5.	Department of History, Shivaji University, Kolhapur	Auditorium, Department of History, Shivaji University, Kolhapur	Tuesday, 28 th February 2023, 02.00 PM		
6.	Department of Journalism & Mass Communication, Shivaji University, Kolhapur				
7.	Shri Shiv-Shahu Mahavidyalaya, Sarud	At/ Po: Sarud Tal: Shahuwadi Dist: Kolhapur	Wednesday, 01 st March, 2023, 11.00 AM		
8.	Desbbhakta Anandrao Balwantrao Naik Arts And Science College, Yashwantnagar, Chikhali	AP - Yashwantnagar, Chikhali, Tal- Shirala, Dist - Sangli, Maharashtra	Wednesday, 01 st March, 2023, 02.00 PM		
9.	Vivekanand College, Kolhapur	Nagala Park, Kolhapur	Thursday, 02 nd March, 2023, 10.00 AM		
10.	Rajarshi Chhatrapati Shahu College, Kolhapur	Sadar Bazar, Kadamwadi Road, Kolhapur Pin-416003	Thursday, 02 nd March, 2023, 2.00 PM		

SD/-
Dr. S. B. Sadale
Director,
IPR Cell,
Shivaji University, Kolhapur

16 . National Science Day

24 to 28 Feb 2023

1. **Name of the Department:** Department Of Environmental Science, SUK
2. **Date of the Event:** 24th to 28th February 2023
3. **Event Co-ordinator:** Dr. A.S.Jadhav (Head, Dept of Env.Science SUK)
4. **Name of the Chief Guest:** Dr. Avinash Sharma, Dr. V.A.Bapat
5. **Name of Resource Persons:** -.
6. **Highlights of the event:** (500 words)

National Science Day is celebrated every year on February 28 in the country to celebrate the discovery of the 'Raman Effect. India's great scientist, CV Raman, invented the 'Raman Effect' on this day and won a Nobel Prize for the same. The National Council for Science and Technology Communication (NCSTC) proposed to the central government that National Science Day should be celebrated on February 28 every year to mark this discovery. After that, the Government of India accepted that proposal, and the first National Science Day was celebrated on February 28, 1987. Department of Environmental Science along with different department such as Department of Biochemistry, Department of Biotechnology and Department of Microbiology in association with India- International Science Forum organised National Science week on the focal theme " Global Science for Global Wellbing from 24th February 2023 to 28th February 2023.

In the Program different competitions such as Elocution, essaya writing, and Poster model presentations were conducted in national science week. On the 24th Feb 2023 in Inugration fuction Dr. Avinash Sharma Scientist NCCS, Pune invited as Chief Guest. He gave invited talk on 'In Search of Microorganisms from Antarctica, the Coldest landmass on the planet. The inauguration function was conducted in presence of Hon. Pro. Vice chancellor Prof. Dr. P.S.Patil. Students of M.Sc I and II year of different department were participated in science exhibition. They made different types of model and posters for exhibition such as Phytoremediation, Power point presentation on University Biodiversity, Bio gas production , Vermicomposting, circular economy, Green building and Common STP etc. Also they were participated in elocution and essay competition.

Valedictory faction and Award ceremony was held on 28th February 2023 in Biotechnology hall at 3.30 pm. In presence of Hon. Vice Chancellor Prof. (Dr.) D.T Shirke. And in presence of Chief Guest Dr. V.A.Bapat NASI Honorary Scientist, Shivaji University. During valedictory fuctions Head of the Department of different department, teaching and non teaching staff ,students of M.Sc I and II were present

8 Number of Participants: Male: 5

Female:7

Total: 12

9 Minimum Two/Three pics of events with Geotag



10 Flyer/Invitation/Pamphlet/Broucher: -----

Come on  **Join us**

Shivaji University, Kolhapur

Departments of Biochemistry, Biotechnology, Microbiology,
Environmental Science and AGPM
In Association with India-International Science Forum
organizes

National Science Day Celebration-2023
On a focal theme,
"Global Science for Global Wellbeing"
During 24th to 28th February, 2023

Supported by
Rajeev Gandhi Science and Technology Commission (RGSTC), Govt. of
Maharashtra and Shivaji University, Kolhapur

Essay Writing

Rules:

- Word limit: 3000 to 2500 words
- English or Marathi languages
- Topic: Recent Development in Science and Technology: A Global Perspective.

Date: 26/02/2023, Time: 3:00 to 4:00 pm
Venue: Dept. of Biotechnology, SUR
Contact: Prof.(Ms.) J. P. Jadhav (982317771)

Science Exhibition

Topics:

1. Importance of Science for Human Wellbeing
2. Development in Food Security: A Global Perspective
3. Global Warming - A serious issue

Eligibility: UG/PG/Research Student
Language: English/Marathi, Time: 5-7 minutes
Date: 27/02/2023, Time: 3:00 pm onwards
Venue: Department of AGPM, SUR
Contact: Dr. S. B. Yankar (9879682348)

Popular Lectures

Prof. Chennupati Jagadish
(President, Australian Academy of Sciences,
Distinguished Professor, Research School of
Physics, Australian National University,
Australia)

Date: 26/02/2023
Time: 11:00 am onwards (Online)
Venue: Dept. of Biochemistry, SUR
Contact: Prof. K. D. Sonawane (9881200718)



Science Exhibition
(Photo / Model presentation)

Topics: Related to Science and Technology

Rules: 1. Eco-Friendly material for model
2. Novel, Innovative and attractive
3. Poster Size: 2 m x 1m

Date: 26/02/2023 Reporting Time: 10:00 am
Time: 11:00 am To 3:00 pm
Venue: Dept. of Environmental Science & Biochemistry SUR
Contact: Dr. M. J. A. S. Jadhav (9842788188);
Dr. (Ms.) P. B. Dandge (9821111722)

Note:

- Registrations are open up to 24/02/2023
- Entry Fee: Free entries.
- Winners will be given certificate and prize
- Registration forms may be submitted through online or submit hard copy in Biochemistry office.

Convener:
Prof.(Dr.) K. D. Sonawane

For more details;
msdunishivaji@gmail.com
0231 2609153

Link for registration
<https://forms.gle/yR6vSe5Fk8B7465z7>



[illegible]

पञ्चवर्णमण्डप विद्यालय, गैरपिन
मोहाडवाले मोहाड व मोहर्षी कल्याण मोहाड

સિદ્ધાન્તને બેધ તથાત્ત પેઠન વિનિયમ પ્રકારને સંતોષન મુકુ ઝાલે. પ્રવૃત્તિ વિનિયમ મોડાઈને વિનિયો હતા પ્રવૃત્તિ મકમ રીત મુકુ ઝાલે. સમયસમયકુલ પ્રકારીયો સોલિય મુકુલને સોલિયમ કેલે જાત ઝાલે. તાલમ તાલમકાનકુલ જાલે પાલમવા ઝાલ મારીયે મુકુલ કાલેલે તાલમકાનકાલે સોલિયમ મુકુ ઝાલે. કારી કારીયે વિનિયમવા પાલમવા મુકુલકાલે કાલેલે, કી વિનિયમ સંતોષન કેલે જાત ઝાલે.

17 . Management Development program

9th March 2023

1. **Name of the Department:** Department Of Environmental Science, SUK
2. **Date of the Event:** 9th March 2023
3. **Event Co-ordinator:** Dr. A.S.Jadhav (Head, Dept of Env.Science SUK)
4. **Name of the Chief Guest:** Mr. Suresh Joshi
5. **Name of Resource Persons:** -.Mr. Yogesh Mulay, Mrs. Swati Joshi,Mrs. V.A.Ranade and Mr. Dastagir Mulla
6. **Highlights of the event:** (500 words)

"National Safety Week" is celebrated in India from 4th March to 10th March every year to be alert and aware of accidents. It is an important week which aims to raise awareness in terms of safety and health at workplace and to promote the importance of safety among the general public. A workshop on "Industrial Safety" was organized under the Management Development Program in the Department of Environmental Science of Shivaji University. On March 9, 2023, between 10 am and 5 am, the Nilambari Hall of the Department of Botany was held.

Mr. Suresh Joshi ,Joint Director of Industrial Safety and Health Department invited as the Chief Guest for this workshop. He highlighted the importance of industrial safety and career opportunities in this field. Safety officers have a huge responsibility to prevent accidents in the industrial sector. He said that not only the industrial sector is safe but also the country's economy and society are safe because of safety officer. In the program, Hon. Pro. Vice Chancellor Prof. Dr. P. S. Patil gave presidential remark. He said about the security required from his house to the industrial area. Security officers are needed in every sector today. He said that the role of security officers is very important to move the industrial sector in the right direction.

In this program, Mr. Yogesh Mulay, Safety Professional, Mrs. Swati Joshi Applicant Analyst, pune, Dr. V.A. Ranade, Medical officer and Mr. Dastgir Mulla, Fire officer ,KMC invited as resourse person for MDP. Mr. Yogesh Mulay gave a lecture on proactive approach to safety management and Mrs. Swati Joshi on how to conduct safety audits. After that Dr. Vinita Ranade demonstrated how to administer first aid to a person in case of an accident and Mr. Dastgir Mulla demonstrated "Fire Extinguisher, Use of Fire Extinguisher and Fire Rescue".

In this program Head of Department of Environmental Science Dr. Mrs. Asawari Jadhav introduced the program and Dr. Pallavi Bhosale gave vote of thanks. More than 50 industrial Safety officers and students were participated in this program.

7. Number of Participants: Male: 35

Female: 37

Total: 72

8. Minimum Two/Three pics of events with Geotag





1. Flyer/Invitation/Pamphalet/Broucher: -----



शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR

Estd 1962 - recognized by UGC U/s 2(f) and 12 (B)
NAAC "A++" Grade with CGPA 3.52

One Day

Management Development Program (MDP)
on
"Industrial Safety"

organized by

Department of Environmental Science,

Shivaji University, Kolhapur

Thursday 9th March 2023 at 9.30 am onwards

Nilambari Hall, Department of Botany, SUK

Speakers

Mr. Suresh Joshi

Joint Director,
Industrial Safety and Health.

Mr. Y. S. Mule

Safety Auditor,
The Kolhapur Steel Limited

Mrs. S. M. Joshi

Application Analyst,
Amalgam Biotech, Pune

Dr. V. A. Ranade

Medical Officer,
Shivaji University, Kolhapur

Mr. Dastagir Mulla

Fire Officer,
Kolhapur Municipal Corporation

Registration

❖ **Registration link:**

https://docs.google.com/forms/d/e/1FAIpQLSdxryrPCNdT_CVVjnpF8p4Ys0N2AgNZ8kkmqhXouhoKlu19Q/viewform?vc=0&c=0&w=1&flr=0

Registration Fees: Research Scholar and
Faculty : ₹ 200

Industry representative : ₹ 250

UG/PG Students: ₹ 100

❖ **Payment details:**

UCO Bank Acc. No. 02890200000001,
Vidyanagar Branch, Kolhapur, IFSC:
UCBA0000289

*Spot registration is available at the venue

** The registration fee includes expenses
towards tea and lunch

18 . Bird Watching

11th March 2023

1. **Name of the Department:** Department Of Environmental Science, SUK
2. **Date of the Event:** 9th March 2023
3. **Event Co-ordinator:** Dr. Pallavi R. Bhosale (Assistant professor , Dept of Env.Science SUK)
4. **Name of the Chief Guest:** -
5. **Name of Resource Persons:** -.Ornithologist Mr.Ajit,Ms. Rutuja, Mr. Abhishek and Mr. Manadar
6. **Highlights of the event:** (500 words)

Department of Environmental Science organized Bird watching in Shivaji University Campus area on 11 th March 2023 under the Camouflage Nature Club of Department of Environmental Science. A team of Ornithologist from Birds of Kolhapur group Mr.Ajit,Ms. Rutuja, Mr. Abhishek and Mr. Manadar were invited to guide our students. More than 35 species of birds were observed at the campus .The listed birds include pied kingfisher, Riverturn, Common cute, Yellow and white wagtail, Woody stork, Eurasian spoonbill, Spotted billed duck, Egret, etc. Survey of bird watching was started from Music Department and end up in Department of Environmental Science. All the Reserch Student and faculty members, students of M.Sc.I and II were present for the bird watching.

- | | | | |
|-----------------------------------|--------------|----------------|---------------|
| 7. Number of Participants: | Male: | Female: | Total: |
|-----------------------------------|--------------|----------------|---------------|

8. Minimum Two/Three pics of events with Geotag





19. Forest and Tribal Society workshop
2023

11th March

1. **Name of the Department:** Department Of Environmental Science, SUK
2. **Date of the Event:** 23th March 2023
3. **Event Co-ordinator:** Prof.(Dr.) S.S. Mahajan
4. **Name of the Chief Guest:** -Hon. Prof. (Dr.) D.T. Shirke
5. **Name of Resource Persons:** -.Prof. (Dr.) P.D.Raut, Shri. Uday Gaikwad and Shri. Sampant Desai
6. **Highlights of the event:** (500 words)

Centre for Social Exclusion and Inclusive Policy and Department of Environmental Science in collaboration with Yashwantrao Chavan School of Rural Development organised Workshop on “ Forest and Tribal Society” on 23rd March Thursday 2023 in Humanity Hall.

In the Program Prof. (Dr.) P.D.Raut, Shri. Uday Gaikwad and Shri. Sampant Desai have been invited as Resource Person. Prof. (Dr.) P.D.Raut Sir (Senior Environmental Specialist and Ex Head of Department of Environmental Science,SUK) gave information about Forest and their relation with Environment. He explained about human evolution on earth and also explains the human interference in forest which results in disturbance in Natural Cycles, Food Chain and Food web.

Second lecture given by Mr. Uday Gaikwad (Environmentalist) gave lecture on Forest and Tribes Community and their Culture. Also he explain about food culture, leaving Culture. The third lecture given by Mr. Samapat Desai (Senior Workers, Shramik Mukti dal, Maharashtra) He explained his experience about the tribes. He explained the side effects of political activities and new policies of Nation on tribal living habit.

After three lectures Panel discussion has been done on second session. Different issues related to forest have been discussed in panel discussion. Students and teachers gave active participation in the panel discussion. In this program Prof. Dr. S.S. Mahajan (Director of Centre for Social Exclusion and Inclusive Policy) gave presidential remark. Dr. (Mrs.) Asawari Jadhav (Head, Department of Environmental Science,SUK) reviewed the information given by the expert and Dr. Nitin Mali gave vote of thanks more than 200 members including student had been registered for this workshop.

- | | | | |
|-----------------------------------|--------------|----------------|---------------|
| 7. Number of Participants: | Male: | Female: | Total: |
|-----------------------------------|--------------|----------------|---------------|

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8. **Minimum Two/Three pics of events with Geotag**

20) Air Pollution Monitoring Van (MPCB) visit Report March.2023

23rd

1. **Name of the Department:** Department Of Environmental Science, SUK
2. **Date of the Event:** 23th March 2023
3. **Event Co-ordinator:** Dr. Asawari Jadhav
4. **Name of the Chief Guest:** -Hon. Prof. (Dr.) P.S.Patil
5. **Name of Resource Persons:** -.
6. **Highlights of the event:** (500 words)

The Department of Environmental Science has NAAQM (National Ambient Air Quality Monitoring) project of MPCB. A mobile vehicle is set up by MPCB in the premises of Shivaji University Kolhapur, vicinity towards Environmental Science Department. The van arrived on 23rd March 2023. The van monitors various parameters related to Air Pollution of the area. The main motive of this movable van is that it assesses air pollution levels at different locations with varying sources, study variations in pollution levels over time and during different times of day, evaluate effectiveness of air pollution control strategies and long-term management, develop new measures for air pollution prevention and control. This van is mobile, cost-effective, easy accessibility, enhances public awareness, and aware people about taking proper precautions to tackle air pollution. This van will definitely create an awareness among people about air pollution and its related parameters which affect the quality of air. Not only the students of Environmental Science Department but also students from all departments visited the van so as to know more about the working of this mobile van.

The students visited the van on 24th march 2023 and thereafter was accessible to all the visitors from various departments. The van was parked for about a week for the visit. The motive behind it was to create awareness among students about air quality and to create a sense of being a responsible person to think of different ways to tackle the current situation of global warming. The van monitors real time data and same is uploaded to the MPCB website. The mobile van makes the monitoring of air convenient and is not area bounded which makes it unique. The van is well lit and equipped with all the essential monitoring devices and equipment. There are about 15 such mobile air pollution monitoring vans that are spread into whole Maharashtra to assess the quality of air set by MPCB. This van estimates the concentration of various parameters like concentration of PM₁₀ and PM_{2.5}, SO₂, CO, VOC, NO, NO_x, O₃, etc. The students, teachers and even visitors were attracted towards the van due to its unique, modified structure and design. The van also monitors weather parameters which is an additional component of this van which is quite helpful. The van is well-equipped with all the devices and monitoring units. The students were given detailed information about the working of van, parameters analyzed, monitoring, data transfer, principle, and the way of handling the devices installed. The response of the visitors, faculties and students was enormous. This activity would help the students to know more about the advancements in recent environmental monitoring technologies, working, and to explore career options available to them in their field of interest. To see the function of vehicle Hon. Pro. Vice

Chancellor Prof. Dr. P.S.Patil were present along with the Heads of different department of science faculty.

7 Number of Participants: Male: Female: Total:

8 Minimum Two/Three pics of events with Geotag



21) Cultural Activity Shivspandan

27th March 2023

- 1 **Name of the Department:** Department of Environmental Science, SUK
- 2 **Date of the Event:** 27th March 2023
- 3 **Event Co-ordinator:** Dr.(Mrs.) A.S.Jadhav.
- 4 **Name of the Chief Guest:** -Hon. Prof. (Dr.) D.T. Shirke
- 5 **Name of Resource Persons:** -.
- 6 **Highlights of the event:**

The annual cultural programme of Shivaji University Kolhapur titled as “Shivspandan” was held in the campus premises in a befitting manner at Rajmata Jijau Sanskrutik Bhavan on 27th March, 2023. It was a whole day programme. Presided over by the Vice Chancellor Prof. Dr. D.T. Shirke and Pro Vice Chancellor Prof. Dr. P.S. Patil of Shivaji University Kolhapur. Distinguished guests, elite guardians, and the students of the University also attended the function. The events of the day-long programme included solo singing, group singing, solo dance, group dance, mimicry and drama events. The guests of the programme delivered short speech and gave much importance to the need for arranging such programmes.

Shivspandan was held and participants showed marvelous performances. The participants were enthusiastic to perform in front of the audience as it gives an opportunity to the students to explore their hidden talents and overcome their stage fear as well. The motive of Shivspandan was to celebrate the cultural diversity. The vision was to encourage the students to develop, polish their talent, and participate in maximum number in different cultural events. It also helps to encourage and promote the talent of the students in cultural activities, to nurture the inner skills of students so they can participate in Intra and Intercollegiate level. The cultural activities create social solidarity and cohesion, fostering social inclusion, community empowerment, capacity-building, enhancing confidence, civic pride and tolerance. These activities enhance and develop the personality of the students and assist them in shaping a good career.

Students are so active and always willing to participate in each and every activity. Students also achieved prizes in group singing, solo dance, mimicry, and mime. The Department of Environmental Science achieved 5 out of 24 trophies. Additionally, participation in cultural activities can improve the academic performance of students, sense of engagement in college activities, and improves their attendance and performance in academics. It also helps in the physical, social and behavioral development of students. Today, organizations not only look at candidate's academic achievements, but also their participation in cultural activities. These activities help students develop a range of skills and knowledge in different contexts and, more importantly, allow them to learn about themselves. However, all this would not have been possible without the efforts of teaching and non-teaching staff and everybody who was involved in the arrangement of Shivspandan. The

cultural function was highly appreciated by the audience and special thanks to the organizers. The function revealed many aspects of our culture before the audience.

7 Number of Participants: Male: Female: Total:

8 Minimum Two/Three pics of events with Geotag



9 Flyer/Invitation/Pamphalet/Broucher: -----

23) Visit to Tissue Culture Lab of Biotechnology

- 1 **Name of the Department:** Department of Environmental Science,SUK
- 2 **Date of the Event:** 10th April 2023
- 3 **Event Co-ordinator:** Dr. Pallavi Bhosale
- 4 **Name of the Chief Guest:** -
- 5 **Name of Resource Persons:** -.
- 6 **Highlights of the event:**

As a part of curriculum, the Department of Environmental Science organized a visit to Tissue culture laboratory of Department of Biotechnology, Shivaji University, Kolhapur for M.Sc I and M.Sc II students on 10th April 2023. Ms. Rucha Powar (Research student) and Mr. Abhishek Jadhav (Research student) of Biotechnology Department gave detailed information of origine, type of culture, type of plant,media used for callus formation. He also gave information about maintenance and control measures of tissue culture. Dr. (Mrs.) Pallavi Bhosale, Assistant professor of Department of Environmental Science accompanied the students.

- 7 **Number of Participants:** Male: Female: Total:

8 Minimum Two/Three pics of events with Geotag





24) Industrial legal compliances related to Environment Report

- 1 **Name of the Department:** Department of Environmental Science,SUK
- 2 **Date of the Event:** 11th April 2023
- 3 **Event Co-ordinator:** Dr. Pallavi Bhosale
- 4 **Name of the Chief Guest:** -
- 5 **Name of Resource Persons:** -.
- 6 **Highlights of the event:**

The Department of Environmental Science Shivaji University Kolhapur organized a guest lecture on “Industrial legal compliances related to environment” delivered by Shri. Pramod Rajaram Mane (Sub-regional officer, MPCB) at 3:30 p.m. in the Department of Environmental Science.

He has completed his M.Tech. in Environmental Science, worked on projects related to water, more than 3000 volatile organic carbon projects, Panchaganga projects and so many more. He began his talk with the introduction of topic with the various fields and their relation with Environmental Science. He emphasized and reflected on many crucial topics related to environment such as career opportunities in the field of Environmental Science, industries, relation of legal compliances with environment and industries and, opportunities in the industries. He also reflected on the technical aspects of pollution, certain latest pollution levels and its future aspects and conditions. He added in his talk the example of ETP and its operational procedures, legal compliances, and its related career opportunities. He discussed in brief about Environmental Impact Assessment, its importance, technical and non-technical aspects.

He also explained the work of MPCB in brief. He also enlightened in his talk about the certification of local bodies, standards, sampling, analysis, non-compliance and its related legal actions, consent and its importance. The overall procedure of legal compliance in various industries, norms, Rules, importance of “Umbrella Act” that is Environmental Protection Act, 1986. He discussed about procedures and actions taken after the complaints filed by public and local bodies, with their defined actions. The importance of Environment health and safety, Continuous Ambient Air Monitoring (CAAM), Online Continuous Monitoring System (OCMS), and crucial role of Environmental Clearance was mentioned. He also mentioned opportunities in the field of Environmental Science after M.Sc. emerging field of LLB and Legal Technical Person, Health and safety, designing of CETP, ETP, STP, and modification in their design with new emerging challenges. The role of MPCB in the regular monitoring, legal actions, National Green Tribunal organizations, Environmental Clearance were discussed in brief.

At last, a question-and-answer session was carried out for two-way conversation with the audience. The programme came to an end and the session was definitely informative and

most importantly career oriented. It was enlightening and interesting session that would help students to choose a career from various career opportunities with the field of their interest.

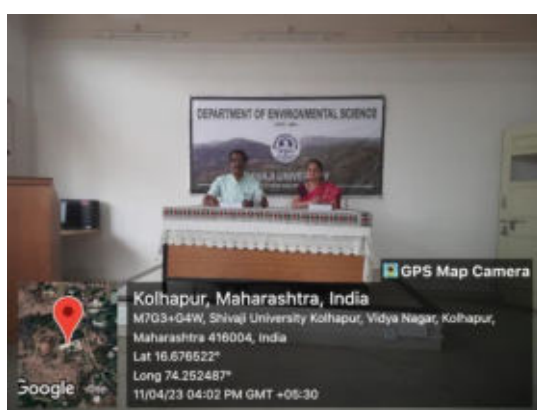
Dr. (Mrs.) Asawari Jadhav (Head, Department of Environmental Science) introduce the function. Dr.(Mrs.) Pallavi Bhosale introduce the guest and Mr. Chetan Bhosale gave vote of thanks in the function. Teaching, non teaching staff. Research students, M.Sc.I and M.Sc.II students along with environmental officers from different industries were present in this function.

9 Number of Participants: Male:

Female:

Total:

10 Minimum Two/Three pics of events with Geotag



10 Flyer/Invitation/Pamphalet/Broucher: -----



Shivaji University, Kolhapur
Department of Environmental Science

Organises a guest lecture

On

“Industrial Legal Compliances related to Environment”

By

Shri. Pramod Rajaram Mane

Sub-Regional Officer,
Maharashtra Pollution Control Board

Date: 11th April, 2023

Timing: 3.30 p.m.

Venue

Department of Environmental Science,
Shivaji University, Kolhapur.

25) Campus Interview for Sadekar Enviro Engineers Pvt. Ltd (Goa Branch):

- 1 **Name of the Department:** Department of Environmental Science,SUK
- 2 **Date of the Event:** 11th April 2023
- 3 **Event Co-ordinator:** Mr. Chetan Bhosale
- 4 **Name of the Chief Guest:** -
- 5 **Name of Resource Persons:** -.
- 6 **Highlights of the event:**

The Department of Environmental Science Shivaji University organised placement activity every year. Various companies approach us in their hunt for fresh talent for their organizations. In this academic year 2022-2023 on 11th April 2023 the company Sadekar Enviro Engineers Pvt. Ltd (Goa Branch) contact to department in search of students having field officer post in Kolhapur area.

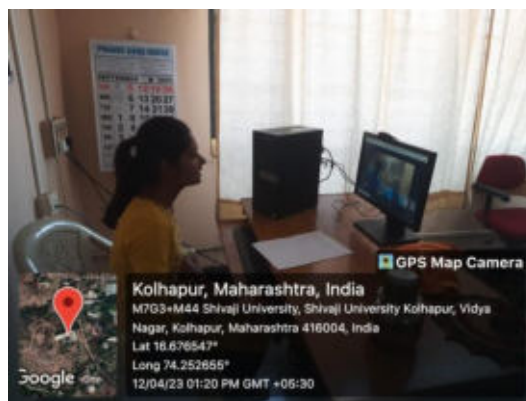
The Company Manager **Dr.Sandip Mangalekar** were took interview through online mode and was selected more than 3 students for 2nd Round. Total 30 students of Environmental Science were present for interview. Two students were selected during this campus interviews.

The Placement cell was headed by the Assistant Professor of Department Mr. Chetan Bhosale. All the procedures required for the placement activity were handled by faculty members and Research Students.

7. **Number of Participants: Male:** **Female:** **Total:**

8. **Minimum Two/Three pics of events with Geotag**





1 Flyer/Invitation/Pamphlet/Broucher: -----



Shivaji University, Kolhapur

Department of Environmental Science

In collaboration with

Sadekar Enviro Engineers Pvt. Ltd (Goa Branch)

Campus Interview Drive

Date: 12th April, 2023

Reporting Time: 9.30 a.m.

● **Campus Drive Venue** ●

Department of Environmental Science,
Shivaji University, Kolhapur.

Note:- Students arriving after reporting time will not be considered for the interview.

26) Online lecture on Career opportunities in the field of Environmental Science:

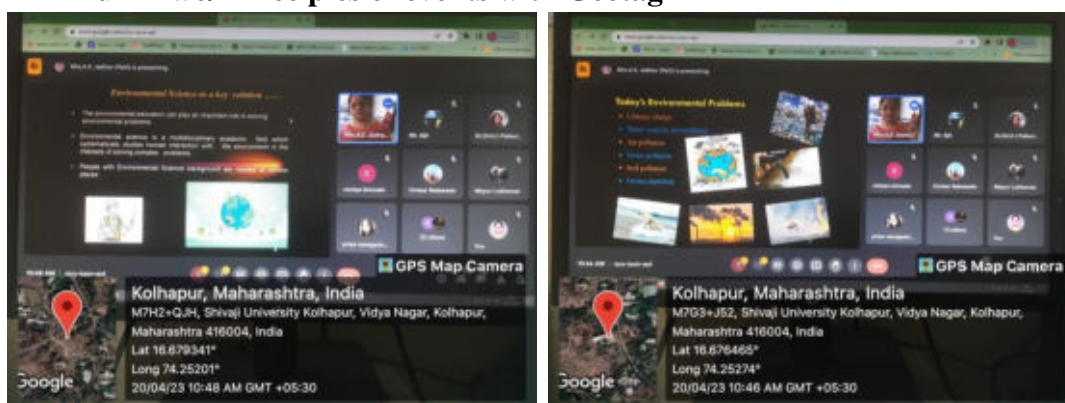
- 1 **Name of the Department:** Department of Environmental Science,SUK
- 2 **Date of the Event:** 20th April 2023
- 3 **Event Co-ordinator:** Dr. Asawari Jadhav
- 4 **Name of the Chief Guest:** -
- 5 **Name of Resource Persons:** -. Dr. Asawari Jadhav
- 6 **Highlights of the event:**

Considering today's environmental problems, it is necessary to make the students more environmentally conscious. There are many job opportunities for students in the field of environment. Therefore, the students interested in taking admission in Environmental Science should be aware about career opportunities and scope of Environmental Science.

Therefore, we are organising one online lecture for B.Sc. III students on 20th April 2023 at 10.15 a.m. The Department of Environmental Science organised online lecture on Career opportunities in the field of Environmental Science. Dr. Asawari Jadhav, Head of the Department gave information about the Placement opportunities in the field of Environment . She explained the What could be the Solution to solve the Environmental Problems?????. And also gave information about the departmental profile such as Programmes in the Department of Environmental Science. Teaching methods adopted by the faculty etc. Students of various colleges were registered for the lecture and showed active participation during lecture. Teaching, non teaching staff. Research students, M.Sc.I and M.Sc.II students were present for this Lecture.

9. **Number of Participants:** Male: 30 Female: 32 Total: 62

10. Minimum Two/Three pics of events with Geotag



11.Flyer/Invitation/Pamphlet/Broucher: -----



Shivaji University, Kolhapur
Department of Environmental Science

Organises a online lecture

On

*“Career opportunities and scope of Environmental
Science”*

for

**last year B.Sc. student of all subject and B.E. / B. Tech. (Mech. /
Civil/ Chemical) students**

Date: 20th April, 2023 Timing: 10.15 a.m.

Please see the Google link : <https://meet.google.com/ocu-iucn-eyt>
Google form for
registration: <https://forms.gle/aQ6WYEDQdjmT7pmr9>

27) Guest lecture on “Career Opportunities and Higher Education in Abroad for Students”

- 1 Name of the Department:** Department of Environmental Science, SUK
- 2 Date of the Event:** 28th April 2023
- 3 Event Co-ordinator:** Dr. Asawari Jadhav
- 4 Name of the Chief Guest:** -
- 5 Name of Resource Persons:** -. Dr. Asawari Jadhav
- 6 Highlights of the event:**

The Department of Environmental Science, Shivaji University Kolhapur, organized a guest lecture on “Career Opportunities and Higher Education in Abroad for Students” delivered by Mr. Anand Handur, Director, Edualliance Educational Consultants Pvt. Ltd.

The main objective of organizing the talk was to enlighten students about the global opportunities in career, diverse environment with cutting-edge technology, application-based knowledge, flexible course modules, internship-based curriculum, international scholarship assistance, and evaluation and assessment of related topics.

He emphasized his talk on certain Environmental Engineering specializations that would be beneficial to students who wish to study abroad. These included P.G. in Environmental Physiology, Environmental Psychology, Geochemistry, Plant Science, Biotechnology, Bioinformatics, and so much more. He discussed the US education system, library availability, language barrier, advantages of abroad education, public and privately funded universities, and standard entrance exams such as GRE/GMAT/TOEFL/IELTS/PTE. He also mentioned the financial expenditure and government subsidies related to abroad education, teaching assistance, work rights, sponsors and acceptable funds, permanent residency, and paid internships for international students.

presented the further presentation. She discussed other European countries' education systems, requirements, and eligibility criteria for enrollment in universities. She gave a brief idea about the overall process of abroad education, related career opportunities, and their benefits. The motive behind organizing this talk was to make students aware of global career opportunities.


Dr. (Mrs.) Asawari Jadhav (Head, Department of Environmental Science) introduced the function and also the guest. Mr. Adeel Amanhulla gave vote of thanks in the function. Teaching, non teaching staff. Research students, M.Sc.I and M.Sc.II students along with environmental officers from different industries were present in this function.

7 Number of Participants: Male: 26 Female: 25 Total: 51

8 Minimum Two/Three pics of events with Geotag



9 Flyer/Invitation/Pamphlet/Broucher: -----

 **Shivaji University, Kolhapur**
Department of Environmental Science

Organises a guest lecture

On

***"CAREER OPPORTUNITIES AND HIGHER EDUCATION IN
ABROAD FOR STUDENTS"***

By

Shri. Anand Handur
Director,
Edualliance Educational Consultants pvt.

Date: 28th April 2023, Friday Timing: 3.00 p.m.

Link for registration: <https://forms.gle/YRt2EVaJLDp77M89>

Venue

Department of Environmental Science building, AGPM Hall
Shivaji University, Kolhapur.

29) Alumni Reconnect Activity: Lecture on “ Career opportunities in U.K. for Environmental Science students”

- 1 Name of the Department:** Department of Environmental Science, SUK
- 2 Date of the Event:** 26th May 2023
- 3 Event Co-ordinator:** Dr. Asawari Jadhav
- 4 Name of the Chief Guest:** -
- 5 Name of Resource Persons:** -. Mr. Aditya Lele
- 6 Highlights of the event:**

The Department of Environmental Science, Shivaji University Kolhapur, organized an Alumni session on 26th May 2023.

The alumni from batch 2005 Mr. Aditya Lele, Data Analyst specializing in Acoustic Loggers at Thames Water, England, UK had been invited as a guest. He has twelve years of experience and is an Environmental Chemistry expert. He has contributed to and participated in the projects of Zimbabwe to improve, develop and design water sewage systems. He is devoted to the sustainable management of water resources.

He has also experience working in the Environmental Protection Agency, Environmental Impact Assessment, and DEVALT organization. He also contributed to one of the leading projects in Himachal Pradesh based on carbon footprint. These valuable experiences played a significant role in shaping his career. He is also an expert in constructing and designing treatment plants. He also shared many of his personal experiences of working as an environmentalist and a nature conservationist. It was an interactive and thought-provoking session delivered by him. He emphasized his talk on climate change, recent developments in the field, upcoming career opportunities in the field, and the current situation of climate change globally.

Alumni meetings are organized to encourage the students to choose their desired field of interest and consequently pursue it as a career. The students are exposed to diverse career opportunities available in the market. This helps them to be aware of the current situation in the field. These sessions also provide an opportunity for students to interact with experts and contributors. It helps to build and promote confidence among students to explore their fields of interest.

10 Number of Participants: Male: 13 Female: 16 Total: 29

11 Minimum Two/Three pics of events with Geotag



30) Environment Day celebration with students from Child Welfare Complex (Bal Sankul)

- 1 Name of the Department:** Department of Environmental Science, SUK
- 2 Date of the Event:** 26th May 2023
- 3 Event Co-ordinator:** Dr. Asawari Jadhav
- 4 Name of the Chief Guest:** -
- 5 Name of Resource Persons:** -. Mr. Aditya Lele
- 6 Highlights of the event:**

Since 1972 as per United Nations declaration world over World environment Day is celebrated on 5th June every year. Significance of this day is to create awareness among people for protection of environment.

Each year the program is provided with a theme to advocate the environmental issues. This year, “Beat Plastic Pollution” is a theme of environment day. On the occasion of World Environment Day the Department of Environmental Science organises different activities such as Plantation, painting Competition and Visit in association with Kolhapur Municipal Corporation. A painting competition was organized at Child Welfare Complex on June 2, 2023 in association with Department of Environment and Kolhapur Municipal Corporation. At that time, Commissioner Mrs. Kadambari Balakawade and Deputy Commissioner Mrs. Shilpa Darekar along with teachers and research students of Department of Environmental Science were present. More than 139 students participated in this competition.

A prize distribution ceremony was organized for the winners of the painting competition on June 5, 2023 at the Department of Environmental Science, Shivaji University. In presence of Hon. Dean Prof. (Dr.) S. T. Thakar. Keeping in mind our social bond towards the students of Child Welfare Complex, field visits were organized with a view to acquaint the said students about the various Departments of Shivaji University and the environmental friendly activities. In this, 60 female students of Child Welfare Complex were brought to visit Lead Botanical Garden, Zoo, Silk Technology and Department of Botony of Shivaji University. In the premises of Department of Environment in Shivaji University plantation activity were done in presence of Hon. Dean Prof. (Dr.) S. T. Thakar and former Head of Department Prof. (Dr.) P. D. Raut.

In valedictory function Head of the Department of Environmental Science, Dr. Asawari Jadhav welcomed and introduced the function. Dr. Rasiya Padalkar introduced the guests. Finally, vote of thanks given by Dr. Pallavi Bhosale.

The program proved to be important in teaching environmental protection lessons to students who are left out of the social mainstream and to make them aware of educational opportunities in Shivaji University.

1 Number of Participants: Male: 50

Female: 24 Total: 74



2 Minimum Two/Three pics of events with Geotag

31) Campus Interview:

1. Equinox, Kolhapur:

The Department of Environmental Science Shivaji University organised placement activity every year. Various companies approach us in their hunt for fresh talent for their organizations. In this academic year 2022-2023 on 28th May 2023 the company Equinox came to department in search of students having field officer post in Kolhapur area.

The Company Manager Dr.Sandip Mangalekar was took interview and was selected more than 3 students for 2nd Round. Total 30 students of Environmental Science were present for interview. Two students were selected during this campus interviews.

The Placement cell was headed by the Head of Department Dr. (Mrs.) Aasawari S. Jadhav. All the procedures required for the placement activity were handled by faculty members and Research Students.

2. Deccan Environmental Consultants. PVT.LTD. Pune:

The Department of Environmental Science Shivaji University organised anther placement activity on 7th August 2023 the company Deccan Environmental Consultant PVT.LTD came to department in search of students having field officer post in Kolhapur area.

The director if the company Mr. Amol Ghamande were took interview and was selected more than 5 students for 2nd Round. Total 13th students of Environmental Science were present for interview. The Placement cell was headed by the Head of Department Dr. (Mrs.) Aasawari S. Jadhav. All the procedures required for the placement activity were handled by Mr. Chetan Bhosale.

