



DR. AMBEDKAR COLLEGE, DEEKSHABHOOMI NAGPUR



DEPARTMENT OF CHEMISTRY

American Chemical Society International Student Chapter

“Academic Visit to NEERI, Nagpur”

Name of Program: Academic Visit to CSIR-NEERI, Nagpur.

Organised by: Department of Chemistry Under the Aegis of American Chemical Society Intl.

Venue of Program: CSIR- National Environmental & Engineering Research Institute
(NEERI), Nagpur.

Date of the Program: 08 April, 2024

No. of Participants: 40

The Academic Visit to NEERI (National Environmental Engineering Research Institute) in Nagpur served as an enriching opportunity for students to delve into the realm of environmental sciences, ecological studies, and innovative solutions for sustainable development. Organized under the auspices of the American Chemical Society International Student Chapter, the visit aimed to broaden students' understanding of environmental issues and explore potential career avenues in the field of chemistry.

The visit had multifaceted objectives, including:

- ❖ Gaining knowledge about medicinal plants, herbs, and shrubs.
- ❖ Exploring opportunities available in various laboratories and industries for chemistry undergraduates and postgraduates.
- ❖ Understanding environmental sciences and ecological studies.
- ❖ Learning about the operation of Gas Chromatography and detecting impurities in samples.
- ❖ Showcasing presentations by school students on environmental and ecological topics.

The visit commenced with an insightful introduction to medicinal plants and their applications in everyday life, providing a holistic perspective on the intersection of nature and human well-being. Volunteers led the group through NEERI's facilities, offering glimpses into ongoing projects and instrumentation processes.

Participants were treated to a comprehensive tour of the laboratory, where they gained insights into various divisions' methodologies and techniques. From water purification to the extraction

of water samples using drones at higher altitudes, students witnessed firsthand the innovative solutions being developed to address environmental challenges.

Special focus was placed on understanding instrumentation processes, including Chromatography, Gel Documentation, and the operation of the PCR Machine. Through interactive demonstrations and explanations, students gained practical knowledge and insights into the intricacies of environmental research and analysis.

The visit was orchestrated under the expert guidance of Dr. (Mrs.) Deepa Y. Panhekar, Head & PG Coordinator, Department of Chemistry, and Faculty Advisor of the ACS Intl. Student Chapter at DACN. Accompanied by esteemed faculty members Dr. R. C. Sawant, Miss. Karuna Shahani, Mr. Parag Panse and UG PG students were provided with invaluable mentorship and support throughout the visit.

The Academic Visit to NEERI, Nagpur, proved to be an enlightening and inspiring experience for all participants. By fostering a deeper understanding of environmental sciences, ecological studies, and innovative research methodologies, the visit empowered students to envision a future where scientific knowledge is harnessed for the betterment of society and the planet. We extend our heartfelt gratitude to NEERI and the American Chemical Society International Student Chapter for facilitating this transformative learning opportunity.

Some glimpse of the visit:





