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**SCHOOL OF SCIENCE**  
**Department of Chemistry**

**Event Activity Report**

<b>Academic Year</b>	<b>: 2023-24</b>
<b>Department /School Name</b>	<b>: Department of Chemistry (SOS)</b>
<b>Event Title</b>	<b>: Industrial Visit Advanced Enzymes Ltd</b>
<b>Event Date</b>	<b>: 4<sup>h</sup> May 2024</b>
<b>Duration in Days</b>	<b>: One Day</b>
<b>Mode of Conduction</b>	<b>: Offline</b>
<b>Industrial Visit Coordinator</b>	<b>: Dr. Sneha N. Tambat (Assist. Prof. Department of chemistry</b>
<b>Participants</b>	<b>: M.Sc. Chemistry Students Sandip University Nashik</b>



**SCHOOL OF SCIENCE**  
**Department of Chemistry**

**Event Report:** Industrial Visit to Advanced Enzymes

Date: 4<sup>th</sup> May 2024

**Venue:** Advanced Enzymes, Malegaon Industrial Area, Malegaon, Maharashtra  
422113

**Organized By:** Department of Chemistry, School of Science, Sandip University, Nashik

**Introduction:**

On 4<sup>th</sup> May 2024, the Department of Chemistry, School of Science, Sandip University Nashik organized an industrial visit to Advanced Enzymes for MSc students pursuing Chemistry. Advanced Enzymes is a leading biotech company known for its expertise in enzyme research and manufacturing. The purpose of the visit was to provide students with practical insights into industrial applications of chemistry, particularly in the field of enzyme technology.

**Objective:**

To familiarize students with the industrial processes involved in enzyme production.

To understand the applications of enzymes in various industries such as pharmaceuticals, food processing, and textiles.

To observe the state-of-the-art facilities and equipment used in enzyme research and manufacturing.

Activities:

**Introduction to Advanced Enzymes:** The visit began with a warm welcome from the representatives of Advanced Enzymes, who provided an overview of the company's history, mission, and its contributions to the field of biotechnology.

**Guided Tour of the Facility:** Students were divided into groups and taken on a guided tour of the Advanced Enzymes facility. They had the opportunity to observe various stages of enzyme production, from fermentation and extraction to purification and formulation. The tour provided students with valuable insights into the scale and complexity of industrial enzyme manufacturing processes.

**Interactive Sessions:** Throughout the visit, students engaged in interactive sessions with scientists and researchers at Advanced Enzymes. They had the chance to ask questions, discuss



scientific concepts, and learn about the latest advancements in enzyme technology. Topics covered included enzyme kinetics, enzyme immobilization techniques, and applications of enzymes in green chemistry.

**Demonstrations:** Students witnessed live demonstrations of enzyme assays and quality control tests conducted in the company's laboratories. They gained brief over view of techniques such as spectrophotometry, chromatography, and enzyme activity assays.

**Industry Insights:** Representatives from different departments shared their experiences and career insights with the students. They discussed job opportunities in the biotech industry and highlighted the importance of interdisciplinary skills in pursuing a career in enzyme research and biotechnology.

**Conclusion:**

The industrial visit to Advanced Enzymes was an enriching experience for the MSc students of the Chemistry Department. It provided them with a deeper understanding of the practical applications of chemistry in the biotech industry and exposed them to real-world scenarios in enzyme research and manufacturing. The visit also served as a source of inspiration for students considering careers in biotechnology and related fields.

**Acknowledgments:**

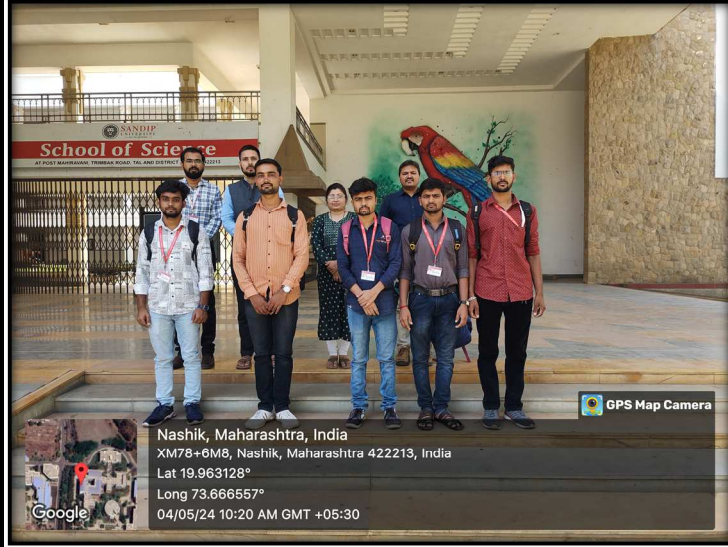
The Chemistry Department extends its heartfelt gratitude to the management and staff of Advanced Enzymes for their hospitality and for facilitating an insightful and memorable visit for our students. Special thanks also to the faculty members who coordinated the visit and ensured its success.

**Future Prospects:**

The Chemistry Department looks forward to organizing similar industrial visits in the future to expose students to diverse career opportunities and to bridge the gap between academic learning and industry practices. Such initiatives play a crucial role in nurturing the next generation of scientists and professionals in the field of chemistry and biotechnology.



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