

Date/Day: 26th September 2026 (Saturday)

Title: Industrial Visit to Fredun Pharmaceuticals, Palghar

Objective:

The industrial visit was organized to provide students with practical exposure to various pharmaceutical manufacturing processes and to bridge the gap between theoretical knowledge and industrial practices. The visit aimed to familiarize students with the manufacturing of solid and semisolid dosage forms, various unit operations, production equipment, packaging processes, and the importance of quality-oriented practices in the pharmaceutical industry.

Program Outcome:

Details of the Resource Person/Event:

An industrial visit was organized by Dr. Akanksha Singh & Ms. Dipti Chirmade at Fredun Pharmaceuticals, Palghar, on 26th September 2026 (Saturday). During the visit, students were guided through various manufacturing and processing sections of the pharmaceutical facility. The students observed different stages of pharmaceutical production, including granule preparation, tablet compression, fluidized bed drying, tablet coating, capsule filling, ointment and balm preparation, and packaging operations.

Participants Details:

Total no. of college students: 51

Total no of Faculty: 2

Summary of the Lecture/Activity:

The industrial visit provided students with valuable practical exposure to pharmaceutical manufacturing operations at Fredun Pharmaceuticals, Palghar. During the visit, students observed the preparation of granules, followed by tablet compression, which helped them understand the conversion of granulated material into tablets using industrial-scale equipment.

The functioning and application of a Fluidized Bed Dryer (FBD) were demonstrated, providing students with an understanding of drying operations used during pharmaceutical manufacturing. Students also observed the tablet coating process and gained insight into the purpose and significance of coating in tablet production.

The visit further included exposure to capsule preparation and filling, where students observed the filling of pharmaceutical formulations into hard gelatin capsules. The students also visited the ointment and balm manufacturing section, where they were introduced to the preparation and processing of semisolid dosage forms.

The visit concluded with an observation of pharmaceutical packaging operations, allowing students to understand the importance of appropriate packaging for product protection, identification, handling and distribution.

The students were also given a demonstration of the HPLC hardware and software, including their role in chromatographic analysis. Overall, the visit provided a comprehensive overview of various pharmaceutical manufacturing processes and enabled students to relate their classroom learning with actual industrial practices.

Brochure/Photo Gallery:







Key Outcome of the Lecture/Activity:

- The industrial visit gave students firsthand experience of pharmaceutical manufacturing in an industrial setting.
- Students gained a clearer understanding of granulation, fluidized bed drying, tablet compression, tablet coating, capsule filling, semisolid dosage-form manufacturing, and pharmaceutical packaging.
- The visit clarified the sequence of manufacturing operations and demonstrated how concepts from pharmaceutical engineering and industrial pharmacy are applied in practice.
- It strengthened students' awareness of industry practices and deepened their appreciation of pharmaceutical manufacturing's role in ensuring the availability of quality healthcare products.

Link for social media:

LinkedIn	https://lnkd.in/p/dVhQ6dB
Facebook	https://www.facebook.com/photo/?fbid=1599780882161548&set=pcb.1599781008828202
Instagram	https://www.instagram.com/p/DeW5tERiJog/?utm_source=ig_web_copy_link&abr=UzRIODBiNWFIZA==&srk=MzRIODBiNWFIZA==



Dr. Akanksha Singh
Event Co-ordinator



Dr. Archana Upadhya
IQAC Co-ordinator



Dr. Tushar Lokhande
Principal

