



Maharashtra Educational Society  
H. K. College of Pharmacy, Jogeshwari (W),  
Mumbai, Maharashtra

Date: 23/10/2023

## INDUSTRIAL VISIT REPORT

### Objectives:

1. To build industry institute relations and interaction.
2. To explore students in an industrial environment.
3. To build up knowledge.
4. To understand health, safety, and environmental aspects in industry

### Details of The Event:

On 21st October 2023 (Saturday) students of HKCP, First & Second Year M. Pharmacy got a good opportunity to visit one of the top pharmaceutical industries of the world "Associated Capsules Pvt Ltd". This plant is located at Dahanu.

### Link for social media:

Facebook: <https://www.facebook.com/photo/?fbid=2016864351986574&set=a.218019115204449>

Instagram:

[https://www.instagram.com/p/CyuzilgokNj/?utm\\_source=ig\\_web\\_copy\\_link&igshid=MzRIODBiNWFIZA==](https://www.instagram.com/p/CyuzilgokNj/?utm_source=ig_web_copy_link&igshid=MzRIODBiNWFIZA==)

LinkedIn: [https://www.linkedin.com/posts/h-k-college-of-pharmacy-mumbai-303524222\\_industrial-visit-on-21st-october-2023-at-activity-7122107270540230656-uHc?utm\\_source=share&utm\\_medium=member\\_desktop](https://www.linkedin.com/posts/h-k-college-of-pharmacy-mumbai-303524222_industrial-visit-on-21st-october-2023-at-activity-7122107270540230656-uHc?utm_source=share&utm_medium=member_desktop)

### Participants Details:

Total no. of college students: 24

Total no of Faculties: 3

### Key Outcome of the industrial visit:

Industrial visit at ACG, Dahanu provided students with an insight into the real working environment, workstations, plants, assembly lines, machines, systems, and the opportunity to interact with highly trained and experienced personnel.

### Key Highlights of the industrial visit:



**The detail of the journey is as follows: -**

We started traveling from Borivali towards Dahanu at 7.20 am. We reached Dahanu in the morning at 9.30am. After getting fresh, we had breakfast & attended a presentation held in the conference room of ACG Pvt. Ltd. After the presentation we started traveling towards the manufacturing unit of Associated Capsules Pvt Ltd, Dahanu, where students visited various Departments of the company. At 2.30pm we had lunch. Post lunch students visited ACG's Laboratory where they got exposure to different types of sophisticated instruments and equipment like HPLC, GC, UV spectrophotometer and many more. The industrial visit ended at 5.00pm.

### **Visiting Areas**

The process involves the whole parts, from melting the raw material to printing to shipping the packaged capsules.

- **Raw Material Melting & Coloration (Mucilage Preparation)**

After initiating the melting, the mixture was stirred to create a uniform jelly. In this step, the colorant can be added to the colored capsules.

- **Capsule Molding & Cutting**

In the capsule production room, the capsule manufacturing machines receive the colored jelly (Mucilage). The pins are then dipped into the jelly mixture. Molding pins are then shifted to the drying unit. The drying process was carried out at a constant temperature and humidity. After the drying process, these are sent to the next section, the dried caps and bodies are removed from the molding pins. The caps and bodies are trimmed to an appropriate length and then pre-locked. Next, an immediate visual inspection of all the capsules is done.

- **Printing, Inspection & Packaging**

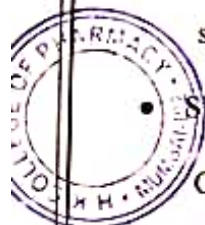
Capsule Printing: The specified design is printed in the capsules by utilizing the ink and printing machine of the company.

- **Automatic Capsule Inspection Machine**

The automatic capsule inspection machine was placed to identify defects in capsules using advanced visual processing and automation technology. The light is flashed on the rotating capsules, and the digital images are captured with cameras. Image processing technology is used to detect abnormal shapes/ foreign capsules.

- **Shipping Tests & Shipment**

Capsules are generally tested for dimensions, appearance, moisture content, separation, and more. Students had learnt various packaging process steps, such as labeling, assembling, and cartooning.



orientating, allocating, positioning products on shelves of storing area in a quick and safe manner without damaging the product.

It was a good experience, which has provided exposure to the first- and second-year students of M. Pharm with industrial life. The students benefited in terms of the technical details provided by the company. A total of 24 students of first- and second-year M. Pharm and all the 3 faculty members; Prof. Dr. Madhusudan N. Saraf, Dr. Jaya Agnihotri and Mrs. Dipti Chirmade enjoyed the technical endeavor at ACG Dahanu. The company personnel also appreciated our students. At the end of the visit students were divided into four groups for group discussion and feedback sessions. Memento distribution to students and faculty was done by company personnel. Mrs. Prema Saldana, Mr. Ajit Singh, Mr. Ketan Parmar, Mr. Ganesh Vichare, Mr. Kunal Vyas & his team of Associated Capsules Pvt Ltd had guided the students throughout the industrial visit. The Visit seems to be very informative and provided good learning experience.

Students were well mannered and disciplined throughout the industrial visit and no injury or anything bad happened during the industrial tour.

**Photo Gallery:**



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