



Date/Day: 22.11.2025, Saturday

“Demonstration of Microscopy”

Organized by: Pharmaceutics Department of MES H.K. College of Pharmacy. The event was coordinated by **Dr. Jaya Agnihotri** and **Ms. Vaishali Patel**.

Objective:

- To provide hands-on demonstration on sample preparation, focusing techniques, and image enhancement.
- To bridge classroom learning with practical laboratory usage of microscopy in pharmaceutical sciences.

Program Outcome: PSO1, PSO3

Details of the Resource Person/Event: Mr. Avinash G. Balani, (Particles Tech, Microscopy Application Company)

Participants Details:

Total no. of college students: 100

Total no. of faculty: 05

Summary of the Lecture/Activity:

Mr. Avinash G. Balani explained the fundamentals of microscopy, including the structure, components, and functions of a compound microscope. Students were shown the importance of magnification, resolution, and contrast in obtaining clear and accurate images.

The demonstration covered:

- Proper handling and care of the microscope.
- Preparation of slides and correct placement on the stage.
- Adjustment of illumination, condenser, and diaphragm to obtain optimum clarity.
- Focusing techniques using low and high-power objectives.
- Observing different types of samples relevant to pharmaceutical study.

Students also gained insights into how microscopes are used for analyzing powder characteristics, detecting microorganisms, and studying morphology of various samples. The session was highly interactive, with students allowed to practice focusing and sample observation individually.

Brochure/Photo Galle



Maharashtra Educational Society's
H.K. COLLEGE OF PHARMACY
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 NAAC Accredited with Grade 'A'.



Department of Pharmaceutics

Organises

Demonstration of Microscopy
Speaker: Avinash G. Balani





Dr. Tushar Lokhande
Principal

Dr. Jaya Agnihotri
Mrs. Vaishali Patel
Faculty In-Charge

VISION: To be recognized as an Institution providing quality education in pharmacy to serve the healthcare sector.



Key Outcomes from the Activity:

- An understanding of the applications of microscopes in the pharmaceutical industry.
- Learning about the requirements of industrial microscopy.
- Opportunity to interact with a professional from the industry.

Link for social media:

LinkedIn:	https://www.linkedin.com/posts/h-k-college-of-pharmacy-mumbai-303524222_a-session-on-microscopy-applications-in-the-activity-7407695027612725249-qLaG?utm_source=share&utm_medium=member_desktop&rcm=ACoAADf2WrMBUFgAeZVznddoMfc3VtpDnyqdS4Y
Facebook:	https://www.facebook.com/photo/?fbid=1336985535107752&set=a.470185965121051
Instagram	https://www.instagram.com/p/DScBgAWCM9j/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWF1ZA==

Dr. Jaya Agnihotri

Mrs. Vaishali Patel

J. Agnihotri
V. Patel

Dr. Archana Upadhyaya

Archana Upadhyaya

Dr. Tushar Lokhande

T. Lokhande

Event Coordinators

IQAC Coordinator

Principal

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