



Date/Day: 7th October 2025/Tuesday

“Instrument Handling Workshop”

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

Objective:

- To understand the working principles and applications of advanced analytical instruments used in particle size analysis and research.
- To bridge the gap between academic learning and industrial practices through expert demonstration and interaction

Program Outcome: PSO1, PSO3

Details of the Resource Person/Event: Mr. Mohit Srivastava, Service Engineer, Sympatech India Pvt. Ltd.

Participants Details:

Total no. of college students (M.Pharm): 10

Summary of the Lecture/Activity:

Mr. Mohit Shrivastava briefly explained to us the use and applications of a particle size analyzer, and highlighted the working of two of the company's instruments which show better resolution in a shorter duration of time. The use of these advanced instruments is more suitable for analysis and industry oriented research.

The Nanophox instrument is an instrument that utilizes the advanced technique of **Photon Cross-correlation Spectroscopy (PCCS)**, specifically the innovative **Polarisation-separated Backscatter PCCS (PsB PCCS)** technology, for measuring nanoparticles in concentrated suspensions and emulsions. It has an advanced push button AI integrated system which makes it simple and user friendly. In the session the difference between the functioning of PCS (Photon Correlation Spectroscopy) systems and PCCS systems and their ability to give more effective results at higher dilutions and for opaque solutions was learned. The session also moved towards explaining the use of laser diffraction and its use in analysis.

Brochure/Photo Gallery:

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H. K. COLLEGE OF PHARMACY
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 University of Mumbai
 NAAC accredited with grade "A"

PHARMACEUTICS DEPARTMENT PRESENTS
INSTRUMENT HANDLING WORKSHOP
 SPEAKER: MR. MOHIT SRIVASTAVA
 Date: 7th October 2025 Time: 1:00pm onwards

Particle size analyzer

Probe Sonicator

Digital Microscopy

ORGANISING COMMITTEE

PRINCIPAL
DR. TUSHAR LOKHANDE

FACULTY INCHARGE
DR. JAYA AGNIHOTRI
MS. SABA KHAN

Vision : To be recognised as the institution providing quality education in pharmacy to serve the healthcare sector.



Key Outcomes from the Activity:

- An understanding of the instruments used by the industry.
- A deeper insight of the working principle of the instruments used and differential methods for size determination of different products.
- Learning about the requirements of the industry.
- Opportunity to interact with industry professional.
- Improving industry-oriented knowledge.

Link for social media:

LinkedIn:	https://www.instagram.com/p/DQtPRd8E7cJ/?utm_source=ig_web_copy_link&igs_h=MzRIODBiNWF1ZA==
Facebook:	https://www.facebook.com/photo/?fbid=1302484138557892&set=a.470185965121051
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Dr. Jaya Agnihotri

Jayabhatia

UPADHYA

Dr. Archana Upadhya

Phanse

Dr. Tushar Lokhande

Ms Saba Khan

Khan

Committee Incharge/ Event
Coordinator/s

IQAC Coordinator

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