

Date/Day: 7th September 2026 (Monday)

Title: Implementation of Quality by Design in Product Development

Objective: The seminar was organized to provide participants with an understanding of the principles, concepts and practical implementation of Quality by Design (QbD) in pharmaceutical product development. The session aimed to familiarize participants with a systematic, science-based and risk-based approach to pharmaceutical development, emphasizing the importance of building quality into products and processes from the early stages of development.

Program Outcome: PO2, PO3, PO9

Details of the Resource Person/Event:

Dr. Ranjit Barshikar, CEO – QbD International, QbD/cGMP Consultant and United Nations Adviser, Geneva, was the resource person for the seminar. The seminar was organized under the aegis of the Institution's Innovation Council (IIC) of H. K. College of Pharmacy.

Participants Details:

Total no. of college students: 107

Total no of Faculty: 8

Summary of the Lecture/Activity:

The Institution's Innovation Council of H. K. College of Pharmacy organized a seminar titled "Implementation of Quality by Design in Product Development" on 7th September 2026. The session was conducted by Dr. Ranjit Barshikar, CEO – QbD International, QbD/cGMP Consultant and United Nations Adviser, Geneva.

The seminar focused on the application of Quality by Design (QbD) principles in pharmaceutical product development. Dr. Barshikar discussed the importance of adopting a systematic and science-based approach to product development, with emphasis on understanding the relationship between product quality, formulation and process parameters. The session highlighted how QbD can contribute to developing robust products and processes while ensuring consistent quality.

The seminar also provided participants with valuable insights into contemporary approaches to pharmaceutical development and the relevance of QbD and cGMP principles in the pharmaceutical industry. The interaction with an experienced professional provided an opportunity for students and faculty members to enhance their understanding of quality-oriented product development and its practical significance.

Brochure/Photo Gallery:



MES **INSTITUTION'S INNOVATION COUNCIL**

Maharashtra Educational Society's
H. K. COLLEGE OF PHARMACY
NAAC Accredited with Grade 'A' QCI Accredited
Approved by P.C.I., D.T.E. (Govt. of Maharashtra) & Affiliated to University of Mumbai.

UNDER THE ARCHES OF IQAC
INSTITUTION'S INNOVATION COUNCIL OF H. K. COLLEGE OF PHARMACY
ORGANIZES A SEMINAR ON

**IMPLEMENTATION OF QUALITY BY DESIGN IN
PRODUCT DEVELOPMENT**

Dr. Ranjit Barshikar
CEO- QbD International
QbD/cGMP Consulting
United Nations Adviser, Geneva

Date: 7th September, 2026
Time: 1:00 am 3:00 pm
Venue: 4th Floor Auditorium, HKCP

Convener : Dr. Tushar Lokhande Principal

Event Co-ordinators: IIC Co-ordinator IIC Team
Dr. (Mrs.) Akanksha Singh Dr. Prachi Pandey Dr. Anuradha Pai
Mr. Prathmesh Kothawade



Key Outcome of the Lecture/Activity:

The seminar enhanced the participants' understanding of Quality by Design and its implementation in pharmaceutical product development. It emphasized the importance of scientific understanding, systematic development, risk-based decision-making and incorporation of quality throughout the product development process. The session also created awareness about the practical relevance of QbD and cGMP concepts in the pharmaceutical industry and encouraged participants to integrate these principles into their academic, research and professional activities.

Link for social media:

LinkedIn	https://lnkd.in/p/dkgJtCjW
Facebook	https://www.facebook.com/photo/?fbid=1572154768257493&set=a.470185965121051
Instagram	https://www.instagram.com/p/DdQE_zCO0j/?utm_source=ig_web_copy_link&stkn=MzRIODBiNWFIZA==



Dr. Akanksha Singh
IIC Co-ordinator



Dr. Prachi Pandey
Director Research
& Innovation



Dr. Archana Upadhyaya
IQAC Co-ordinator



Dr. Tushar Lokhande
Principal

