

MET'S Institute of Pharmacy

ACTIVITY REPORT

Name of Activity- Basic Concepts of Dissolution Handling and Profiling techniques

Day and Date- Friday, 06/01/2023

	Staff	Student	Class and Course
Participants	0	25	Master of Pharmacy students (Pharmaceutics & QAT)

Details of the Program: The basic concepts regarding dissolution was discussed with students. In this session, we gone through various concepts like Biorelevant media and its preparation i.e. use of FaSSiF, FeSSiF, FaSSGF. The concept of change-over in dissolution was discussed. Apart from that, the benefits of pKa in dissolution media selection, discriminative dissolution concept, and calibration of dissolution apparatus (both physical and chemical calibration) was discussed with students.

Apart from this, case studies related to dissolution batch failure were discussed and its remedy was identified and resolved.

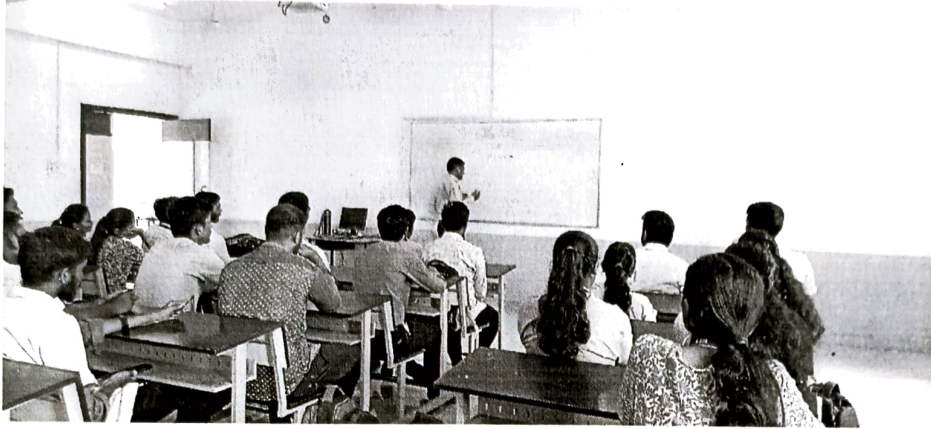
Program Objective Achievement:

PO1	Pharmacy Knowledge	✓	PO7	Pharmaceutical Ethics	✓
PO2	Planning Abilities	✓	PO8	Communication	
PO3	Problem Analysis	✓	PO9	The Pharmacist and society	✓
PO4	Modern Tool Usage	✓	PO10	Environment and Sustainability	
PO5	Leadership Skills		PO 11	Lifelong Learning	✓
PO6	Professional Identity				

Objective of the Activity	The objective of lecture was 1. To design dissolution buffer selection 2. To understand meaning of Pooled dissolution 3. To minimize errors while performing dissolution studies 4. To understand use of BCS and pKa in dissolution concept. 5. To understand the concept of change over in dissolution. 6. Performing dissolution calibration.
Benefits of activity	1. Enhanced thinking of ppm for innovator and in-house media. 2. Sampling techniques were understood. 3. Change over concept was understood. 4. Biorelevant media preparation and its importance was understood.
Social Media links	NA

MET'S Institute of Pharmacy

Photos of the event:



Mr. Rohan S. Ahire
(Event Co-Ordinator)

Dr. Sanjay J. Kshirsagar
(Principal)



PRINCIPAL
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