

JSS Academy of Higher Education and Research
JSS College of Pharmacy, Mysuru

Report on One day Workshop on "UV Spectroscopy Unveiled: A Thermo Fisher Scientific Workshop on Demonstration and Sample Analysis"

Date: November 9, 2023

Time: 10:00 AM – 6:00 PM

Venue: Seminar Hall

Organizer: Department of Pharmaceutics (Pharmaceutical Quality Assurance Group)

Speaker: Dr. Dilip Raut, Application Specialist and Channel Manager, Thermo Fisher Scientific, Bangalore

Introduction:

The Department of Pharmaceutics (Pharmaceutical Quality Assurance Group) hosted an workshop titled "UV Spectroscopy Unveiled: A Thermo Fisher Scientific Workshop on Demonstration and Sample Analysis" The event featured Dr. Dilip Raut, an esteemed Application Specialist and Channel Manager at Thermo Fisher Scientific, Bangalore. The workshop aimed to provide M Pharm students with hands-on experience and insights into the application of UV spectroscopy in pharmaceutical analysis.



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Workshop Agenda:

1. Introduction to UV Spectroscopy:

- Basics of UV spectroscopy and its significance in pharmaceutical analysis
- Overview of instrumentation and principals involved

2. Instrumentation Demonstration:

- Live demonstration of Thermo Fisher Scientific UV spectroscopy equipment
- Explanation of instrument features and functionalities

3. Sample Analysis Techniques:

- Practical insights into preparing and analyzing pharmaceutical samples.
- Interpretation of UV spectra for quantification and identification

4. Applications in Pharmaceutical Industry:

- Discussion on the diverse applications of UV spectroscopy in pharmaceutical research and development
- Case studies highlighting real-world applications

5. Data Interpretation and Troubleshooting:

- Tips for effective data interpretation
- Common challenges in UV spectroscopy and troubleshooting strategies

6. Interactive Hands-on Session:

- Students had the opportunity to engage in a hands-on session with UV spectroscopy equipment under the guidance of Dr. Dilip Raut.

7. Q&A Session:

- A dedicated time for students to ask questions and seek clarifications from the expert.

Highlights:

Practical Demonstration: Dr. Dilip Raut's live demonstration of Thermo Fisher Scientific UV spectroscopy equipment provided students with a firsthand experience of the instrument's capabilities, fostering a deeper understanding of the technology.

Real-world Applications: The workshop emphasized the relevance of UV spectroscopy in the pharmaceutical industry through insightful case studies, showcasing its diverse applications in drug formulation, quality control, and research.

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Interactive Session: The hands-on session allowed students to apply theoretical knowledge in a practical setting, enhancing their skills and confidence in utilizing UV spectroscopy techniques.



Engaging Q&A: The Q&A session facilitated an interactive dialogue between students and Dr. Dilip Raut, enabling a deeper exploration of UV spectroscopy concepts and addressing specific queries.

Conclusion:

The UV Spectroscopy workshop conducted by Dr. Dilip Raut proved to be a valuable learning experience for M Pharm students, bridging the gap between theoretical knowledge and practical application. The M Pharm Department extends its gratitude to Dr. Raut and Thermo Fisher Scientific for their contribution to the academic and professional development of our students.

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The department looks forward to organizing more such workshops, connecting students with industry experts and cutting-edge technologies to prepare them for successful careers in pharmaceutical sciences.

Report Prepared by

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