

FINAL REPORT- 25

ACHARYA NAGARJUNA UNIVERSITY

STUTI WORKSHOP on Drug Discovery & Formulation Development using R&D Instruments / Equipments

Day 1 : 15/04/2023

In the morning, from 9.00 AM to 10.00 AM Interactive session. From 10.00 AM to 11.00 AM started with the registrations process of candidates and also distributions of stationary to the participants. Then the program started with the national song followed by inauguration by key guest honors. 11AM to 1 PM Theory session on Particulate drug delivery systems was taken by Prof.R.Naga Raju. In the Afternoon, from 1.30 PM to 3.30 PM hands-on training on particulate drug delivery systems was taken by Prof.R.Naga Raju. From 3.30 PM to 5.30 PM hands-on training on Solid lipid nanoparticles for delivery was taken by Professor Sita Devi.

Day 2 : 16/04/2023

In the morning, from 9.00 AM to 10.00 AM theory session on probesonicator was taken by Dr.P. Raghuvver. From 10.00 AM to 12.00 AM Theory session on Rotary Tablet Compression Machine (Mini Tablet Press) & FTIR was taken by Dr.G. Srikar. From 12.00 PM to 1.00 PM Theory session on In vitro dissolution comparisons- perspective by regulatory bodies was taken by Dr.Sudhakar Babu. In the afternoon, from 1.30 PM to 2.30 PM Hands-on training on Experiment based on calculation of F1&F2 was taken by Dr. Sudhakar Babu. From 2.30 PM to 3.30 PM Hands-on training on probesonicator was taken by Dr. P. Raghuvver. From 3.30 PM to 5.30 PM Hands-on training on Rotary tablet Compression machine (Mini Tablet Press) & FTIR was taken by Dr.G. Srikar.

Day 3 : 17/04/2023

In the morning, from 9.00 AM to 1.00 PM theory session on Sectioning methods clinical use and advantages of microtome was taken by Dr. Mohan Kumar. In the afternoon, from 1.30 PM to 5.30 PM Hands-on training on UV-visible Spectroscopy -Multicomponent analysis was taken by Dr.K.E Pravallika.

Day 4 : 18/04/2023

In the morning, from 9.00 AM to 11.00 AM theory session on a green chemistry approach microwave assisted organic synthesis was taken by Professor Govinda Rajan. From 11.00 AM to 1.00 PM Theory session on Method development and validation of bulk drug and formulation using HPLC by Professor Abdul Rahaman. In the afternoon, from 1.30 PM to 3.30 PM Hands on training on structure based drug designing and hands on structure based drug designing was taken by Dr.Dhivya S. From 3.30 PM to 5.30 PM Hands on training on method development and validation of bulk drug and formulation using HPLC was taken by Prof. Abdul Rahaman.

Day 5 : 19/04/2023

In the morning, from 9.00 AM to 10.00 AM Theory session on role of transgenic animals and their significance in drug discovery was taken by Dr. J Naga Lakshmi. From 10.00 AM to 1.00 PM Theory session on Principle and technique of ELISA was taken by Dr. Radhika. In the afternoon, from 1.30 PM to 5.30 PM Hands-on Training on Electrophoresis was taken by Dr. Rajeshwari Jinka.

Day 6 : 20/04/2023

From 9.00 AM to 10.00 AM Hands- on training on molecular docking using GEMDOCK software was taken by Mr. K. Vijay Kishore. From 10.00 AM to 1.00 PM Industrial Visit: Laila Impex, Vijayawada. In the afternoon, from 1.30 PM to 5.30 PM Theory session on Virtual screening - ADMET Topkat and R05 & Hands -on training lead Optimization was taken by Dr.Dhivya.S.

Day-7 : 21/04/2023

From 9.00 AM to 1.00 PM Theory session on introduction to force field and energy minimization algorithms. Solvation & Hands-on training on force field and energy minimization and solvation was taken by Dr. Divya S. In the afternoon, from 1.30 PM to 3.30 PM Hands-on training on a green chemistry approach. Microwave assisted organic synthesis was taken by Professor Govinda Rajan. From 3.30 PM to 5.30 PM Valedictory & Feedback session.