

# G. Pulla Reddy College of Pharmacy

Mehdipatnam, Hyderabad

Affiliated to Osmania University and Approved by PCI & AICTE


Accredited By National Assessment and Accreditation Council (NAAC)



## Students Attended Workshop

Nine students of M. Pharm (Pharmaceutics) and ten students of M. Pharm (Pharmaceutical Analysis) attended a two day hands on training workshop on Zeta Sizer, HPTLC, FTIR and XRD, organized by Centre for Pharmaceutical Sciences, Institute of Science and Technology, Jawaharlal Nehru Technological University, Hyderabad from 15<sup>th</sup>-16<sup>th</sup> September, 2022. The training was designed to enhance skills in pharmaceutical, API, formulations, natural extracts etc.

Workshop highlights included learning the software, instrument handling and data interpretation of the equipments. HPTLC is used for analysis of phytochemicals, pharmaceuticals, plasma samples, identification of extracts etc. FTIR is used for identification of chemicals, drug-excipient compatibilities, structural elucidation. Zeta sizer is used to determine particles and zeta potential of nano particles, suspensions, emulsions etc. XRD is used to study the crystalline nature of materials, to know the crystal nature, purity, and drug-excipient interactions.

  
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