



G. Pulla Reddy College of Pharmacy

Mehdipatnam, Hyderabad

Affiliated to Osmania University and Approved by PCI

Accredited By National Assessment and Accreditation Council (NAAC)



VALUE ADDED COURSES FOR B.PHARM VII SEMESTER

As a part of value-added courses Demonstration on FTIR and HPLC were conducted to B.Pharm VII semester students on 16th and 17th February 2023.

DEMONSTRATION ON FTIR

The FTIR demonstration was conducted on 16th February 2023. Dr.N.Raghavendra Babu, Assistant Professor, Department of Pharmaceutical Analysis, explained the working principle of FTIR. Live FTIR analysis was conducted by taking paracetamol as an example. Sample preparation techniques were explained, and it was also demonstrated how to prepare a sample through the pressed pellet technique by using KBr Press. He also gave a detailed explanation of IR solutions software. After analysis of the sample the graph was clearly explained to identify the functional groups. Some general tips were given to the students to identify the major peaks in the functional group and fingerprint region of IR. Some students prepared the pellets with a KBr press. A total of 50 students participated in this demonstration. Mr.Monachary, Lab technician has arranged all the necessary requirements for the demonstration.



DEMONSTRATION ON HPLC

The HPLC demonstration was conducted on 17th February 2023. A total of 55 students were divided into three groups for the demonstration. Dr.Y.Padmavathi, Professor, and Dr.N.Raghavendra Babu, Assistant Professor, Department of Pharmaceutical Analysis, demonstrated the HPLC instrumentation. All the components, like the mobile phase reservoir, flow regulators, pumps, columns, and detectors of HPLC, were clearly demonstrated to the students. The importance of HPLC in the present scenario was well explained to the students. A live sample analysis was also shown to the students. One sample was injected, and a detailed explanation of elution detection was shown to the students. Mr. Gourab das, M.Pharm III semester, gave some troubleshooting tips from HPLC to the students. Mr.Monachary arranged all the necessary requirements for the demonstration.

