



# 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)



## ONE WEEK TRAINING COURSE ON FTIR & HPLC

A one week training course on FTIR & HPLC was conducted for B.Pharm final year students from 20<sup>th</sup> to 25<sup>th</sup> June 2022. Every day a class room lecture was organized on these two analytical techniques. Later, instrument components, working, operation was explained to the students on **FTIR1800S (SHIMADZU)** and **HPLC (LC10AT & LC 20AT, SHIMADZU)**.

Different methods of sample preparation like pellet technique for solids, KBR liquid films were shown and the students also practiced the same for IR analysis of different compounds. The software options of IR i.e “IR solutions” for qualitative and quantitative analysis were explained. Interpretation of IR spectra for different organic compounds also practiced by the students. Calibration of Instrument using polystyrene film, for wave number accuracy was also shown to students.

Students are trained in mobile phase preparation, purging, degassing, sample preparation, injecting sample, different options in software (WINCHROME and LC SOLUTIONS), obtaining chromatogram, interpretation of the results, methods for qualitative and quantitative analysis. Few trouble shooting tips also explained.

Thirty five students were attended the course and certificates were presented to them by Principal on the last day. The program was coordinated by Mr. P.Ravi Kumar and Mr. V.Nagesh, Assistant Professors of the college.

  
PRINCIPAL  
G. Pulla Reddy College of Pharmacy  
Mehdipatnam, HYDERABAD-500023,  
Telangana State, INDIA