

Hands-on training on analytical equipment

Four days hands on training on analytical equipment is conducted for MBBS Phase –III 14 students (elective posting) on 6th, 13th, 20th and 27th of February 2024. During the four days of the training programme, practical experiments were conducted on the following topics to enrich their knowledge on an investigation of drug analysis in the field of forensic science in the drug testing laboratory (DTL).

Date	Theory topics	Practical exercises
06/02/2024	Introduction and applications of HPLC in the forensic investigation of the samples	Analytical methods for the determination of drugs and biologicals using HPLC
13/02/2024	Role of FT-IR in the analysis of forensic medicine	Fingerprint techniques for the identification of organic molecules
20/02/2024	Introduction and applications of Gas chromatography in the forensic investigation of the samples	Analytical methods for the determinations of drugs and biologicals using GC-FID instrument
27/02/2024	Liquid chromatographic-mass spectrometric (LC-MS) for the identification and/or quantification of drugs of abuse, poisons, and/or their metabolites in biosamples	Quantitative and qualitative analysis of drugs by UV-visible spectrophotometer

The session was coordinated by Dr B M Gurupadayya and practical components were covered by PhD scholars Ms Mounika, Ms Erica, Department of Pharmaceutical Chemistry, JSS College of Pharmacy, Mysore



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