



Hands-on Workshop on GC-MS & its Applications

Date: 22nd Jan, 2026

Registration Form Link:

<https://forms.gle/mro4qF8Uk5wRMh3N8>



Limited Seats Available!
Nominal Registration Fee Applicable

Registration Fee

IITK Students/Staff/Postdoc: 1500

Non-IITK Students: 1500 +18% GST

Others: 3000+18% GST

Industry Personnel: 4000+18% GST

Information For SB Collect:

- Course Code: IITK/OOA/2025-26/107
- Course Title: Hands on Workshop on GCMS & its Applications
- Course Duration: 22.01.2026



II Sample Preparation II Hands on Training

GC-MS HANDS-ON WORKSHOP AGENDA & SCHEDULE

Workshop Agenda

- How to Operate a GC Analyzer?
- TCD, FID and MS detectors and their capabilities
- Software Features
- Applications of GC:
 - Food & Beverage: QC, consistency, troubleshooting
 - Fragrance & Perfume, Fingerprinting, IP, reformulation detection,
 - Essential Oils: Authenticity, adulteration screening
 - Cosmetics: Stability, compliance
 - Pesticide Analysis

Workshop Schedule

- 10:00 -11:30 AM: Lecture on GC-MS Principles, Hardware Demonstration, Software Features and Instrument Significance, Venue: FB 470
- 11:30 AM – 1:00 PM: GC-MS Operation Hands On Session, Venue: NL-II, #300
- 1:00 – 2:00 PM: Lunch Break
- 2:00 – 6 PM: Hands on Session GC-MS Applications, Venue: NL-II, #300

Workshop Contacts

Coordinator:

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Organized by:

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