

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Department of Chemical Engineering
PG RESEARCH LAB



Room No- 302, NL-II, CHE

Ph No-6538

Booking Form

B		GCMS		GC-TCD/FID
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for Office Use

Booking No	Booking Date
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User Details	Name	Roll / PF	
	Supervisor's Name	Phone	
	Department	Email	
	Project No.		

Please Check to confirm sample requirements (Only For GCMS)

<input type="checkbox"/>	Samples should be dissolved completely in a suitable organic solvent.
<input type="checkbox"/>	Sample and Calibration standards must be filtered with $\leq 0.22 \mu\text{m}$ filter.
<input type="checkbox"/>	Ensure samples are chemically compatible with the GC column and system (no strong acids, bases, or insoluble polymers)
<input type="checkbox"/>	Sample volume required: at least 1 mL per injection .

GCMS Method Details

	Parameters	Details		Parameters	Details
1	Nature of Sample		5	Flow Rate(MP)	
	Non-Toxic/Toxic Hazardous/Photosensitive			Expected Mass & Its B.P.	
2	Number of Samples		7	Expected Run Time	
3	Solvent & Its B.P.				
4	Sample Solvent & Injection Vol.				

Coloumn Details

GCMS	GC-TCD/FID
<input type="checkbox"/> HP-5 MS - Higher Hydrocarbon	<input type="checkbox"/> H P Plot Q -C1-C3 Isomers,CO2,Methane & CO
<input type="checkbox"/> HP-5 MS UI - Semivolatiles,Halogenated Compounds,Amines	<input type="checkbox"/> Molsieve -H2,O2,N2,CO,CH4
<input type="checkbox"/> DB-WAX - Analyzing compounds with polar functional groups.	<input type="checkbox"/> GS Alumina -C1 -C4,C1-C8,Light HC
<input type="checkbox"/> DB-624 - Volatile Organic Compounds	<input type="checkbox"/> GS Gas Pro - CO & CO2 Sulphur Gases ,Light HC

For Lab use	Allotted Slot	Date		Timing (FN/AN)		Total Slots
	Log Book Page no			Date		Net Charge (Rs)
	Done By					

Kindly transfer Rs _____ from Project No _____ which is
 Expiring on _____ to account no LDA/IITK /CHE/2024520

Signature of User	Signature of Head / PI / Supervisor
User Name	

Instrument Charge Rs	GCMS	With Qualitative Analysis	Rs. 600 Per Sample
		With Quantitative Analysis	Rs. 1200 Per Sample
	GC-TCD/FID	Rs. 1000 Per Sample	