

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



Room No- 302, NL-II, CHE

Ph No-6538

Booking Form

<b>A</b>		GCMS		GC-TCD/FID
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for Office Use

<b>Booking No</b>	<b>Booking Date</b>
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<b>User Details</b>	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
	<b>Nature of Sample</b>		5	<b>Flow Rate(MP)</b>	
1	Non-Toxic/Toxic Hazardous/Photosensitive		6	<b>Expected Mass &amp; Its B.P.</b>	
2	<b>Number of Samples</b>		7	<b>Expected Run Time</b>	
3	<b>Solvent &amp; Its B.P.</b>				
4	<b>Sample Solvent &amp; Injection Vol.</b>				

**Coloumn Details**

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

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

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

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

<b>Instrument Charge Rs</b>	<b>GCMS</b>	With Qualitative Analysis	Rs. 400 Per Sample
		With Quantitative Analysis	Rs. 1000 Per Sample
	<b>GC-TCD/FID</b>	Rs. 800 Per Sample	