

Department of Chemical Engineering
Infrastructure Facilities Main & Annexure Building

Laboratories as per Course Curriculum

Main Building

S. No	Curriculum Laboratory Description	Area (Sq. m)	No of Experiments	Laboratory Manuals
1	Computer and Simulation Laboratory	111.94	10	Available
2	Mechanical Unit Operations Laboratory	168.54	10	Available
3	Mass Transfer Operations Laboratory	96.60	10	Available
4	Advanced Equipment Laboratory	17.47	10	Available
5	Chemical Reaction Engineering Laboratory	69.46	10	Available
6	Basic Thermodynamics Laboratory	91.76	10	Available
7	Energy Environmental Engineering Laboratory	96.60	10	Available
8	Instrumentation & Process Control Laboratory	69.46	10	Available
9	Chemical Engineering Workshop Laboratory	91.76	10	Available
10	Chemical Technology Laboratory	96.60	10	Available

Annexure Building

S. No	Curriculum Laboratory Description	Area (Sq. m)	No of Experiments	Laboratory Manuals
1	IT workshop	402.34	10	Available
2	Momentum Transfer Laboratory	266.7	10	Available
3	Process Heat Transfer Laboratory	292.61	10	Available

Main Building



Computer Simulation Laboratory



Mechanical Unit Operations Laboratory



Mass Transfer Laboratory

Advanced Analytical Equipment Laboratory

S. No	Equipment	Company/Make	TotalCost (Rs)
1.	X-Ray Diffraction System (XRD)	PAN Analytical	62,00,000
2.	High Performance liquid Chromatography(HPLC)	Waters	13,00,000
3.	Atomic Absorption Spectrophotometer(AAS)	GBC Avanta	13,81,749
4.	Gas Chromatography(GC)	Shimadzu	12,90,000
5.	Gas Chromatography(GC)	Chemito	6,50,000
6.	Computer-controlled bioreactor (CCB)	Spinco BioTech	24,00,000
7.	Millipore Water Purifier (MWP)	Millipore	5,00,000
8.	UV-Vis Spectrophotometer(UV-Vis)	Spectro chem	5,40,000
9.	UV-Vis Spectrophotometer(UV-Vis)	Systronics	8,84,233
10.	Potentiostat	Kanopy	98,000
11.	LED Fluorimeter	Quantalase	8,00,000
12.	4 Digit Electro-analytical Balance	Sartorius	1,40,000
13.	Water testing Kit	Systronics	30,000
14.	Ultra-filtration Unit		2,00,000
15.	Multi-purpose Membrane cell	---	---
16.	Pevaporation Experimental Setup	---	---



Fume Hood



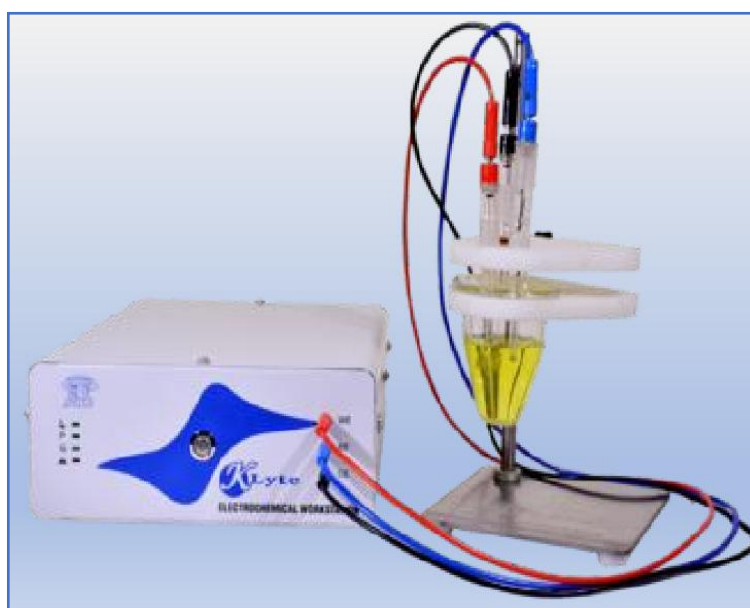
Environmental Engineering Laboratory



Seminar Hall



X-Ray Diffraction System



Potentiostat



Gas Chromatograph



High Performance Liquid Chromatograph



Atomic Absorption Spectroscopy (AAS)



Millipore Water Purifier

Annexure Building



Momentum Transfer Laboratory



Process Heat Transfer Laboratory



Process Simulation Lab