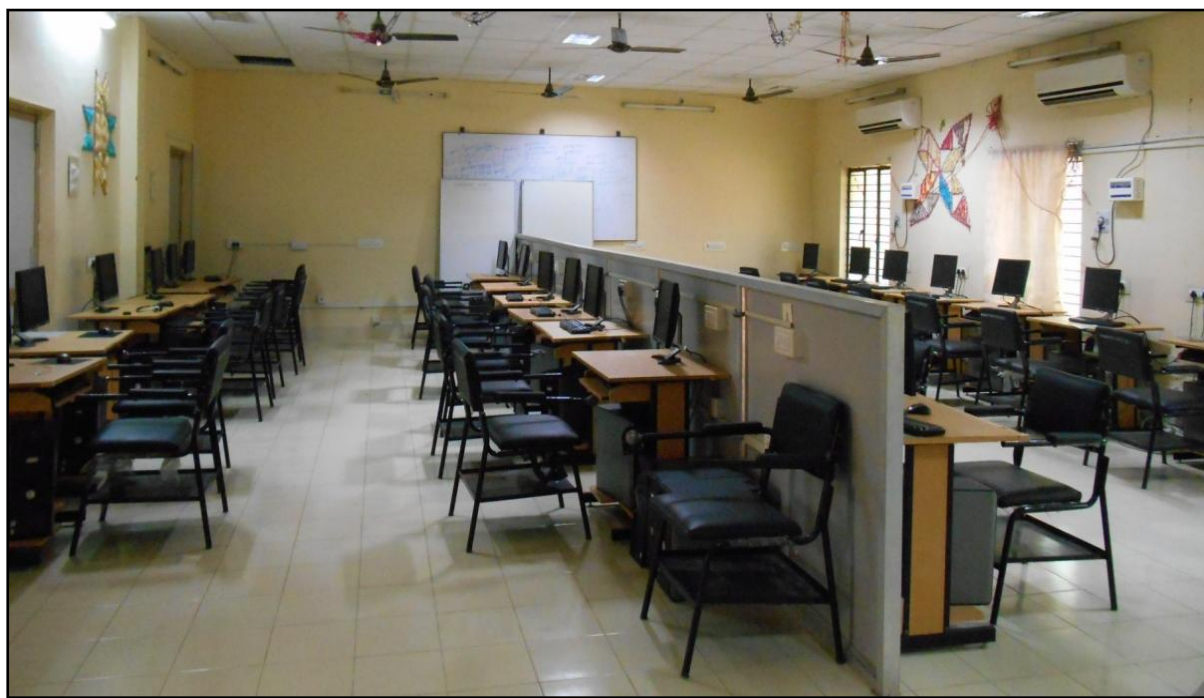


Department has the following infrastructure facilities:

Laboratories as per Course Curriculum

S. No	Curriculum Lab Description	Area (Sq. m)	No of Experiments	Lab Manuals
1	Computer and Simulation Lab	111.94	10	Available
2	Mechanical Unit Operations Lab	168.54	10	Available
3	Mass Transfer Operations Lab	96.60	10	Available
4	Momentum Transfer Lab	45.75	10	Available
5	Process Heat Transfer Lab	45.75	10	Available
6	Advanced Equipment Lab	17.47	10	Available
7	Chemical Reaction Engineering Lab	69.46	10	Available
8	Basic Thermodynamics Lab	91.76	10	Available
9	Energy Environmental Engineering Lab	96.60	10	Available
10	Instrumentation & Process Control Lab	69.46	10	Available
11	Chemical Engineering Workshop Lab	91.76	10	Available
12	Chemical Technology Lab	96.60	10	Available



Computer Simulation Lab



Mechanical Unit Operations Lab



Momentum Transfer Lab



Heat Transfer Lab



Mass Transfer Lab

Advanced Analytical Equipment Lab

S. No	Equipment	Company/Make	Total Cost (Rs)
1.	X-Ray Diffraction System (XRD)	PANAnalytical	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)	SpincoBioTech	24,00,000
7.	Millipore Water Purifier (MWP)	Millipore	5,00,000
8.	UV- Vis Spectrophotometer (UV-Vis)	Spectrochem	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 Electroanalytical 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 Set up	---	---



Fume Hood and Muffle Furnace



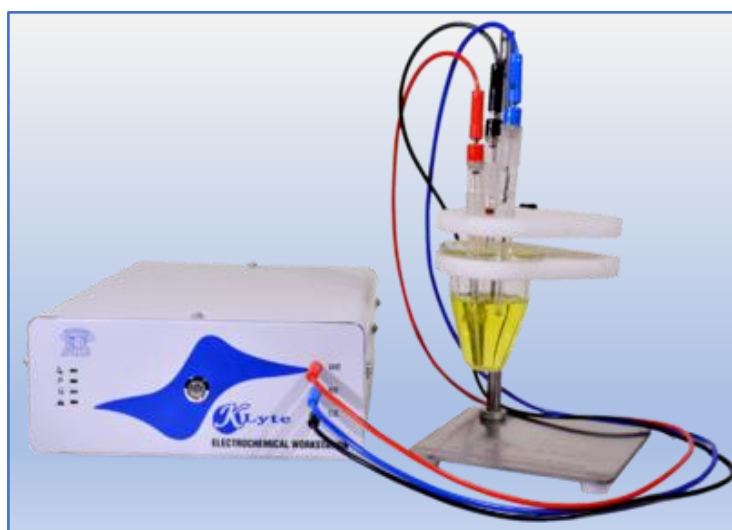
Bio Chemical Engineering Lab



Seminar Hall



X-Ray Diffraction System



Potentiostat



Gas Chromatograph



High Performance Liquid Chromatograph



Atomic Absorption Spectroscopy (AAS)



Millipore Water Purifier