

ENGINEERING CHEMISTRY LABORATORY.

Engineering Chemistry laboratory is the basic science laboratory, which is common for all branches of First Year Engineering and Second Year Chemical Engineering. A batch of 25 students carry out experiments independently during practical session. The basic focus in this laboratory is to develop scientific knowledge and encourage students to innovate in diverse technical areas for better understanding of technical and engineering problems. The Laboratory is utilized by Chemical and Civil Engineering Students for carrying out their project work. The Engineering Chemistry Laboratory is well ventilated. The lab is well-equipped and enables students to understand the fundamentals of Engineering Chemistry. This Laboratory imparts the necessary theoretical knowledge and technical skill for all the budding Engineers of TKIET.

Major Equipments –

Colorimeter, Spectrophotometer, Conductivity Meter, pH Meter, Melting Point Apparatus, Refractometer, Suction Pump, Demineralization Plant, Hot Air Oven, Nephelo-Turbidometer.

LAB PHOTOS:





Engineering Chemistry Laboratory Major Equipments

Sr. No.	Name of the equipment/Instrument	Quantity
1	Colorimeter	1 No.
2	Demineralization plant	1 No.
3	Automatic water still	1 No
4	Electronic balance Contac make	1 No.
5	Conductivity meter(Digital) Model 307	1 No.
6	PH meter Model 335 Systronics make	1 No.
7	Laboratory oven	1 No.
8	Refrigerator Make-Godrej	1 No
9	Refrigerator Make-Godrej	1 No
10	Electronic balance Seiko make	1 No
11	Photoelectric Colorimeter	2 No.
12	Suction pump	1No.

13	PH Meter Model 335 Systronics make	1 No.
14	Vacuum Pump Make J B Sawant	1 No.
15	Deionizer Analog Model	1 No.
16	Magnetic Stirrer 1 lit	5 No.
17	Magnetic Stirrer 5 lit	1 No.
18	Spectrophotometer Model 166 Systronics make	1 No
19	PH Meter Digital Model 361	1 No
20	Melting Point Apparatus Make- Equiptronics	1 No
21	Weighing Balance	1 No
22	Digital Balance TTB	1 No
23	Electronic balance Make –Wensar	1 No
24	Colorimeter EQ 660 A	1 No
25	Hot Air Oven	1 No
26	Precision Gold Balance PGB220	1 No

Investment: - 6.91 Lakhs

Lab Area : 200 Square Meter

Dr. Mrs V D Patil
Associate Professor
Lab In-charge