

List of Selected Equipments Pertaining to Various Laboratories Chemical Engineering Department

Heat Transfer

Single effect evaporator
Multiple effect evaporator
Drop wise & film wise condensation set-up
Force convection apparatus
Stefan Boltzmann apparatus
Natural convection set-up
Double pipe heat exchanger
Shell & tube heat exchanger

Research Lab

Gas Permeation set-up
Perma Pilot Plant (Membrane separation set-up)
UV-VIS spectrophotometer
Atomic absorption spectrophotometer
Conductivity meter
pH meter
Constant temperature bath
Millipore water purifier
Lab Pervaporation set-up
Laminar flow hood
Gas chromatograph
Turbi Scan
High speed camera
High pressure reactor set-up
Basket reactor
Particle size analyzer

Mechanical Operations

Hot air oven
Filter press
Cyclone separator
Jaw crusher
Ball mill
Roll crusher

Fluid Flow Operation

Bernoulli's theorem apparatus
Venturimeter set-up
Orifice meter set-up
Fluidization set-up
Reynolds apparatus
Equivalent length of pipe set-up

General Chemical Technology

Batch crystallizer
Ultra sonic Bath
Research Centrifuge

Process Control

Pressure control trainer
Flow control trainer
Temperature control trainer
Level control trainer

Mass Transfer

Liquid – Liquid Extraction Tower
Sieve Plate Column
Babble Cap Distillation Column
Wetted Wall Column
Humidification and Dehumidification Equipment
Fluid Bed Dryer

Safety and Pollution Control in Chemical Process Industries

COD and BOD Digester
BOD Incubator
Bacteriological incubator
Peristaltic pump
UASB reactor
Syringe pump