

List of Equipment in the Department (Chemical Engineering)

Particle and Fluid Particle Processing Lab	Fluid Mechanics Lab	Heat transfer Lab	Mass Transfer lab
<ul style="list-style-type: none"> • Cyclone Separator • Plate & Frame Filter Press • Vibrating Screen • Jaw Crusher • Ball Mill • Roll Crusher • Rotary Vacuum filter 	<ul style="list-style-type: none"> • Reynold's Apparatus • Bernoulli's Theorem Apparatus • Pitot Tube Apparatus • Calibration of Orifice meter, Venturi meter and Rota meter • Coefficient of Discharge of Orifice and Mouthpiece 	<ul style="list-style-type: none"> • Double Pipe Heat Exchanger • Shell & Tube Heat Exchanger • Vertical Condenser • Thermal Conductivity of Metal Bar • Film & Drop Wise Condensation • Single Effect Evaporator 	<ul style="list-style-type: none"> • Tray Dryer • Sieve Plate Distillation Column • Liquid-Liquid Extraction • Adsorption of CO₂ • Steam Distillation • Bubble Cap Distillation Column • Cooling Tower • Diffusivity Apparatus • Fluidized Bed Dryer • Simple Steam Distillation • Simple Distillation • VLE Apparatus • Equilibrium Flash Distillation • Refractometer

Process Dynamics & Control Lab	Chemical Reaction Engg. Lab	Chemical Engineering/Environmental Lab
<ul style="list-style-type: none"> • Process Training Simulator with Modules (Software) • Flow Control System • Distillation Column • Two Tank Interacting system • Two Tank Non-Interacting System 	<ul style="list-style-type: none"> • Plug Flow Reactor • Isothermal Batch Reactor • Single Tube Packed Bed Reactor • RTD in CSTR / Mixed flow Reactor • RTD in Tubular Reactor • Adiabatic Batch Reactor 	<ul style="list-style-type: none"> • BOD Incubator • pH Meter • Sedimentation Apparatus • UV-VIS Spectrophotometer • DO Meter • Digital Conductivity Meter • Ostwald Viscometer

Research Equipments	UV-Spectrophotometer, Muffle Furnace, Hot Air Oven, Gas Chromatography
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