

Department of Civil Engineering :

Engineering Mechanics Laboratory E 406 **Area : 88.77**

Sr.No	Major Equipments
1	Single Purchase Crab
2	Double Purchase Crab
3	Worm & Worm Wheel
4	Two Sheave three Sheave
5	Screw Jack
6	Differential axle & wheel
7	LAMI'STHEOREM
8	LAW OF MOMENT APPARATUS
9	BEAM REACTION APPARATUS
10	FRICTION : INCLINED PLANE
11	WESTON'S DIFFERENTIAL PULLEY

Material Testing Laboratory E-409B **Area : 85.99**

Sr.No	Major Equipments
1	Universal testing machine
2	Brinell Hardness testing
3	Los angles apparatus
4	Crushing value apparatus
5	Vicat apparatus
6	Cube mould 150 X 150
7	Bulk density apparatus
8	Slump test apparatus
9	compaction factor apparatus
10	Soundness Le chatelier's apparatus
11	Tray
12	Vibrating table

Geo-Tech. Laboratory : E 409 A **Area :** 85.99

Sr.No	Major Equipments
1	Core cutter
2	Pearmeability apparatus
3	Shrinkage limit test apparatus
4	Liquid limit test machine
5	Triaxial test machine
6	Direct shear test machine
7	CBR test machine
8	Unconfined compression test apparatus
9	Electric oven thermostatically
10	Casagrande's apparatus
11	Mechanical sieve shaker
12	Set of IS sieve
13	Soil sample extruder

Surveying Laboratory E 403 **Area :** 59.18

Sr.No	Major Equipments
1	Auto -level
2	Theodolite
3	Prismatic compass
4	Dumpy level
5	Digital planimeter
6	Tilting level
7	OPTICAL SQUARE
8	CHAIN
9	PLANE TABLE WITH ACCESSORIES
10	Theorodolit 20sec accurcracy with aluminium stand
11	LINE RANGER
12	TOTAL STATION

Environmental Laboratory : E407 C **Area :** 60.00

Sr.No	Major Equipments
1	TURBIDITY METER
2	BOD Inner chembar apparatus
3	COD apparatus
4	Jar Test apparatus (6 Jar)

Computer Laboratory : E-404 **Area :** 78.77

Sr.No	Major Equipments
1	Computers Lenovo
2	Printer HP 1020 Laserjet
3	Network Switch D Link

Department of Chemical Engineering :

Heat Transfer Operations : E - 514

Area : 75.24

Sr.No	Major Equipments
1	Thermal conductivity of metal rod
2	Stefan Boltzmann
3	Lagged pipe
4	Drop And Film Wise Condensation
5	Plate heat exchanger
6	Composite wall unit
7	Forced convection
8	Emissivity
9	Double pipe heat exchanger
10	Shell and tube heat exchanger
11	Finned tube heat exchanger

Mass Transfer Operations : E - 517

Area : 50.16

Sr.No	Major Equipments
1	Gas absorption
2	Liquid extraction
3	Reynolds setup
4	Simple distillation
5	Packed bed distillation
6	Diffusion in air
7	Batch crystallization
8	Tray drier
9	Gas absorption
10	Liquid extraction

Mechanical Operations-1 : C- 101

Area : 129.48

Sr.No	Major Equipments
1	Sieve shaker
2	Set of sieves
3	Ball mill
4	Sedimentation apparatus
5	Plate and frame filter press
6	Vaccum leaf filter
7	Jaw crusher
8	Hammer mill
9	Froth flotation cell
10	Basket centrifuge

Mechanical Operations-2 : W/S- 103 Area : 105.35

Sr.No	Major Equipments
1	Sieve shaker
2	Set of sieves
3	Ball mill
4	Sedimentation apparatus
5	Plate and frame filter press
6	Vaccum leaf filter
7	Jaw crusher
8	Hammer mill
9	Froth flotation cell
10	Basket centrifuge

Chemical Process Technology Laboratory : C-103 Area : 99.54

Sr.No	Major Equipments
1	Burett's, Pipette's, Beakers, Conical Flask, Volumetric Flask, Hydrometer, Parafin Bath, Spirit Lamp, Thermo

Department of Computer Technology :

Hardware & Networking Laboratory : E- 212 Area : 69.11

Sr. No	Major Equipments
1	Computers Lenovo
2	Printer HP 1020 Laserjet
3	Network Switch D Link

Programming Laboratory – 01 : E- 213 A Area : 64.40

Sr. No	Major Equipments
1	Computers Lenovo
2	Printer HP 1020 Laserjet
3	Network Switch D Link

Programming Laboratory - 02: E- 213 B Area : 75.60

Sr. No	Major Equipments
1	Computers Lenovo
2	Printer HP 1020 Laserjet
3	Network Switch D Link

Programming Laboratory - 03 : E- 216 Area : 75.60

Sr. No	Major Equipments
1	Computers Lenovo
2	Printer HP 1020 Laserjet
3	Network Switch D Link

Database Laboratory : E- 217 Area : 75.60

Sr. No	Major Equipments
1	Computers Lenovo
2	Printer HP 1020 Laserjet
3	Network Switch D Link

Programming Laboratory - 04 : E- 220 Area : 50.60

Sr. No	Major Equipments
1	Computers Lenovo
2	Printer HP 1020 Laserjet
3	Network Switch D Link

Department of Electrical Engineering :

Computer Laboratory : E-308

Area : 75.60

Sr. No	Major Equipments
1	Computers Lenovo
2	Printer HP 1020 Laserjet
3	Network Switch D Link

Electrical Engineering Laboratory : E-309

Area : 69.11

Sr. No	Major Equipments
1	Ammeters, Voltmeters, wattmeters, Experiment kits.3 phase and single phase autotransformer

Electrical Machine Laboratory : E-310A

Area : 61.60

Sr. No	Major Equipments
1	3-Phase induction motor coupled DC generator , Single phase I.M. ,DC shunt motor, DC series Motor, 3_Phase Alternator –coupled DC Generator, 3-Phase Autotransformer

Electrical Measurement Laboratory : E-310B

Area : 52.40

Sr. No	Major Equipments
1	Ammeters, Voltmeters, wattmeters, Experiment kits. Demonstration kit, CT , PT, Megger, Energy Meter. 3 phase and single phase autotransformer

Electrical Workshop Laboratory : E-313

Area : 50.40

Sr. No	Major Equipments
1	Tool Kit. Conduits,Accessories board, Types of wires, Types of switches .

Electrical Power System Laboratory : E-316

Area : 75.60

Sr. No	Major Equipments
1	IDMT relay, Single Phase Preventer, HRC fuse. MCCB.

Department of Mechanical Engineering :

Thermal Engineering Laboratory : E-512 Area : 79.80

Sr. No	Major Equipments
1	Model of Lamont, Babcock and Wilcox boiler, Boiler mountings and accessories, Impulse and reaction turbine, Set up for thermal conductivity of metal rod, Model of Heat exchangers, Solar Water Heater

Automobile Engineering Laboratory : WS-02 Area : 58.55

Sr. No	Major Equipments
1	Working Model of Synchromesh gearbox, Differential, Single plate and diaphragm clutch.

Theory of Machines Laboratory : E-109 Area : 78.51

Sr. No	Major Equipments
1	Working model of 2 wheeler braking system, Multi-plate clutch, Centrifugal governor and Mechanisms .

Heat Power Laboratory : E-116 Area : 71.26

Sr. No	Major Equipments
1	Test rig of Single cylinder 4 stroke petrol engine, Multi cylinder 4 stroke diesel engine, Carburetor, Test rig of 2 cylinder reciprocating air compressor, Model of Jet engine. Mini Air condition Tutor, Vapour Compression Test Rig. Water Cooler Test Rig, Window A/C Demo Model Cut Section of Hermetically Sealed Compressor.

CAD Laboratory : E-413 Area : 91.80

Sr. No	Major Equipments
1	20 PC's, AutoCAD & ProE software .

Metrology & Quality Control Laboratory : E-109 Area : 78.51

Sr. No	Major Equipments
1	Pneumatic Comparator, snap gauge, Auto collimator, Optical profile, Tool makers micrometer, Gear tooth vernier caliper, tally surf, Sine centre, Floating carriage dial micrometer.

Fluid Mechanics And Machinery Laboratory : E-107 Area : 75.60

Sr. No	Major Equipments
1	Setup for Verification of Bernoulli's Theorem, Venturimeter & Orifice meter, Losses in Pipe Fittings, Pitot Tube, Meta centric Height of Ship, Centrifugal Pump Test Rig, Reciprocating Pump, Pelton Wheel Turbine test rig, Francis Turbine, Impact of Jets.

Department of General Science :

Applied Chemistry Laboratory : E-119 Area : 75.60

Sr. No	Major Equipments
1	Oven,chemical balance,electronics balance,furnace,distillation column,PH meter,conductivity tester

Applied Physics Laboratory : E-509B Area : 106.40

Sr. No	Major Equipments
1	Travelling Microscope,Viscosity meter, ,Potentiaometer,Spectrometer,Resonance Tube, Power Suupy,

Language Laboratory : E-307 Area : 75.60

Sr. No	Major Equipments
1	Computers Lenovo
2	Printer HP 1020 Laserjet
3	Network Switch D Link

Dark Room Laboratory : E-404B Area : 10.22

Sr. No	Major Equipments
1	Searle's apparatus,Surface tension Kit, Sprectrometer, Bar Pendulum,RC Circuit Kit,Optical Bench

Department of Workshop :

Workshop-Welding : WS-102A Area : 98.40

Sr. No	Major Equipments
1	Tig Welding,Mig Welding,Arc Welding,Resistance Welding M/cs, Hand Tools,Saftey Equipments

Workshop-Fitting Shop : WS-202A Area : 95.40

Sr. No	Major Equipments
1	Drilling machine,Work Benches, Tools, Power Saw, Saftey tools

Additional Ws Cutting & Power Tools : WS-102C Area : 64.30

Sr. No	Major Equipments
1	Hand grinder, Hand drill, Hand Cutters, Power Tools, Power Hacksaw, Bench Drill

Additional Ws Tin Smithy : WS-202B Area : 101.65

Sr. No	Major Equipments
1	Open Hearth, Blower, Crank type Hammer, Saftey Tools, Hand Tools,Anvil

Additional Ws Milling And Grinding : WS-102A Area : 98.40

Sr. No	Major Equipments
1	CNC Milling Trainer MILLING MACHINE SHAPING MACHINES GRINDING MACHINES

Additional Ws Moulding : WS-B01 Area : 163.40

Sr. No	Major Equipments
1	Moulding MACHines, Patterns, Mould Box,

Additional Workshop-Machining : WS-101A Area : 197.40

Sr. No	Major Equipments
1	Geared Lathes, Power saw,CNC lathe,Hand Tools, Cutting Tools, Saftey tools

Additional Workshop-Carpentry : WS-201A Area : 165.45

Sr. No	Major Equipments
1	Wood working lathe,planer & saw machines,tools,work benches

Additional Workshop-Plumbing : WS-201B Area : 83.60

Sr. No	Major Equipments
1	Pipe bending machine,pipe vice,pipe wrench,work benches, sheet bending, press break, fly press, tool

Department of Electronics & Telecommunications :

Lab : Basic Electronics Laboratory :

Sr. No	Item
1	Single and Dual Power Supply, CRO 30 MHz, Function Generator, LCR Q Meter, IC Tester, Practical Kits

Lab : Communication Laboratory :

Sr. No	Item
1	Single and Dual Power Supply, CRO 30 MHz, Function Generator, Practical Kits

Lab : Automation Laboratory :

Sr. No	Item
1	Single and Dual Power Supply, CRO 30 MHz, Function Generator, Practical setup of PLC programming

Lab : Measurement & Control Laboratory :

Sr. No	Item
1	Single and Dual Power Supply, CRO 30 MHz, Function Generator, Practical Kits, Practical setup for ventury, orifice, rotamotor, bourdon tube, inductive pickup.

Lab : Computer Laboratory :

Sr. No	Item
1	Computers, Printer, Scanner, Network Switch