List of Important Equipment and Softwares in Civil Engineering Labs

S. No.	Name Of Laboratory	Name Of Important Equipment's/Software's
1	Basic Surveying& Advance Surveying	Direct Reading Transist Theodolite 2" With Tripod,Dumpy Level With Tripod, Cross Staff,Optical Square,Ranging Rod(Steel)4M,3M,Levelling Staff(4M,5M,6M),Engineers Measuring Chain 30M,Metallic Tape (30M,10M,5M),Arrows Metals,Mallet & Pegs (Wooden),Sprit Level, Invar Tape 30M, Surveyor Compass (Stand),Chain,Pegs,Tape,Hammer(1kg), Plane Table & Its Accessories, Prism Square, Line Ranger,Clinometer,Tachometer,Planimeter,Prismatic Compass With Tripod,Autolevel,Total Station
2	Building Construction & Material And Concrete Technology	Cement Mortar Moulds, Cylindrical Moulds,Cube Moulds,Le Chatelier Flask,Le Chatelier Apparatus,Fineness Of Cement By Blaines Air Permeablity Apparatus,Curing Tank,Is Test Sieves 100,80,63,50,40,31.5,25,20,12.5,10 &4.75,2,1 Mm And 600,425,300,212,150,75 Micron With Lid & Pan, Digital Compression Testing Machine 2000Kn, Split Tensile Strength, Standard Vicats Apparatus,Digital Weighing Balance,Compaction Factor Apparatus,Vee-Bee Consistometer.
3	Transportation Engg.	Vibration Table,Slump Test Apparatus,Rebound Hammer,Specific Gravity Of Aggregate And Water Absorption Test,Aggegate Crushing Value Test, Aggregate Impact Test,Los Angeles Abrasion Test, Shape Test Of Aggregates,Deval Abrasion Value ,Penetration Test Of Bituminious Material,Ductility Test Of Bitumin,Flash And Fire Point Test,Bitumen Striping Test Apparatus.
4	Theory Of Structure	Model &Lab Kit Of Two Hinge Arch,Model &Lab Kit Of Column With Different End Condition&Lab Kit Of Beam,Fly Wheel Apparatus For Moi.
5	Building Planning And Drawing With Auto Cad	Drawing Board With Stand, Computer, Printer, Lcd Projector With Wall Mount Screen.
6	Soil Mechanics & Foundation	Density Bottle Test Apparatus,Pycnometer,I.s Sieves Sets,Hydrometer Apparatus, Casagrande Liquid Limit Device,Plastic Limit Set,Shrinkage Limit Set, Oven Core Cutter,Sand Replacement Apparatus, Standard Proctor Tesr Apparatus, Modified Proctor Test Apparatus, Premeability Test By Constant Head & Falling Head , Consolidation Apparatus, Unconfined Compressive Strength Test , Vane Shear Test, Direct Shear Test, Triaxial Test,Cbr Test Apparatus.
7	Strength Of Material	Universal Testing Machine 1000Kn, Izod Impact Testing Machine, Charpy Impact Testing Machine, Brinell Hardness Testing Machine .
8	Hydraulics	Bernoullis Theorem Apparatus, Venturimeter Apparatus, Rectangular And V-Notch Apparatus.
9	Rcc Structure	Drawing Boards, Sheets, Scales, Pencils, Is Codes.
10	Robotic Lab (Basics)	Robotics Junior Kit, Robotics Junior Kit Without Microcontroller, 8051 Microcontroller kit, Robotics Platform with Arms, Robotics Self Learning kit.
11	Environmental Engg.	Digital Turbidity Meter, Digital Balance, Hot Air Oven,Muffle Furnace, Digital Tds Meter, Evaporation Pan Desicator, Reflux Apparatus(Cod Digestor), Fluride Meter.
12	Robotic Lab (Adv)	Robotics Advance kit, Robotics Self learning kit, MATLAB R2022b installed on 2 PCs, Wolfram Mathematica Software 13.1, Ultimate Code Robotics kit, Antivirus

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