





List of Research Equipments available in Civil Engineering Department

Department Name	Civil Engineering
Equipment Name	Structural Humidity Kit
Specifications	As per ASTM 2170 Code of Practice
Function	To observe the humidity level inside the concrete
Photo	



Department Name	Civil Engineering
Equipment Name	Rapid Chloride Permeability Apparatus
Specifications	As per ASTM C 1202 & AASHTOO T 277 Code of Practice
Function	To examine the chloride penetration inside the concrete
Photo	


Department Name	Civil Engineering
Equipment Name	CO ₂ Sequester
Specifications	Semi-Automated Self-Designed CO ₂ Curing Chamber
Functions	Chamber which helps to make the Carbonated Construction Blocks
Photo	


Department Name	Civil Engineering
Equipment Name	Carbonation Chamber
Specifications	As per Japanese Standards
Functions	To check the level of carbonation depth in concrete
Photo	

Department Name	Civil Engineering
Equipment Name	Autogenous Shrinkage Equipment
Specifications	As per ASTM C 1698 – 09 Code of Practice
Functions	To check the internal shrinkage of the fresh cement paste / mortar
Photo	

Department Name	Civil Engineering
Equipment Name	Compression Testing Machine
Specifications	2000 kN
Functions	To check the Compression Strength of Concrete
Photo	

Department Name	Civil Engineering
Equipment Name	Curing Chamber
Specifications	Digitalised Accelerated Curing Chamber
Functions	To check the hardened properties of concrete by making the concrete curing in a faster rate
Photo	
Department Name	Civil Engineering
Equipment Name	Rebound Hammer
Specifications	As per IS: 13311 (Part 2) Code of Practice
Functions	To find the onsite compression strength of concrete
Photo	

Department Name	Civil Engineering
Equipment Name	Ultrasonic Pulse Velocity Kit
Specifications	As per IS: 13311 (Part 1) Code of Practice
Functions	To find the onsite hardened properties of concrete
Photo	

Department Name	Civil Engineering
Equipment Name	Loading Frame
Specifications	100 Tonne
Functions	Testing the Hardened RCC beam, Column, Frames etc.,
Photo	

Department Name	Civil Engineering
Equipment Name	Servo Controlled Computerised Universal Testing Machine
Specifications	100 Tonne
Functions	To find the tension strength of steel, compression strength of composite materials etc.,
Photo	

Department Name	Civil Engineering
Equipment Name	Tension and Flexural Testing Machine
Specifications	50 kN
Functions	To find the direct tensile strength of composite materials and bending behaviour of flexural members
Photo	