

Faculty of Civil Engineering
M. E. Infrastructure Engineering and Management
Regulations 2021 Semester: I

Course Code: IM4111		Course Title: BIM AND PROJECT MANAGEMENT LABORATORY	
Sl. No.	Description of Equipment	Required numbers (for batch of 25 students)	
1	HP Desktops Computers (Intel i7 core, 4 GB RAM, 1 TB HDD and 1 GB Graphics card)	30 Nos	
2	MS Project (latest Version)	30 Users	
3	Primavera (latest Version)	30 Users	
4	MS Office – Excel	30 Users	
5	Autodesk- Revit	30 Users	
6	Autodesk - AutoCAD	30 Users	

Degree: PG		Name of the Course: M. E. INFRASTRUCTURE ENGINEERING AND MANAGEMENT	
Course Code: IM4211		Course Title: GIS LABORATORY	
		Semester: II	
Sl. No.	Description of Equipment	Required numbers	
1.	ESRI – ArcGIS	10 users	
2.	Quantum GIS	10 users	

Degree: PG Name of the Course: M. E. INFRASTRUCTURE ENGINEERING AND MANAGEMENT

Course Code: IM4212 Course Title: INFRASTRUCTURE MATERIAL TESTING LABORATORY

Semester: II

Sl. No.	Description of Equipment	Required numbers
1	Loading frame of 100-ton capacity with required accessories	1
2	Compression Testing Machine (CTM) with required accessories	1
3	Cube Mould – 150 mm * 150 mm * 150 mm	9
4	RCPT test Apparatus/ Sulphate resistance Apparatus	1
5	V- funnel Apparatus	1
6	L-box Apparatus	1
7	J Ring Apparatus	1
8	Slump Cone Apparatus	1
9	Flow Table Test Apparatus	1
10	Vee Bee Consistometer Apparatus	1
11	Compaction Factor Apparatus	1
12	CBR test Apparatus	1
13	Tri-axial Apparatus	1
14	Consolidometer Accessories include Consolidation Ring Porous Stones, Consolidation Cell, Dial Gauges, Loading Device, Equipment for measuring Initial Height of Test Specimen to an accuracy of 0.1 mm	1
15	Unconfined compressive strength test equipment consists of trimmers, saws, extruders, and moulding components.	1
16	Direct shear test consists of shear box, soil container, loading unit, proving ring, dial gauge to measure shear deformation and volume changes	1
17	NDT equipment consists of Concrete Test Hammers, Ultrasonic pulse velocity testers	1
18	STAAD PRO Software	5 users
19	Plaxis Software	10 users
20	Geotextile Permeameter	1
21	Geotextile Thickness Gauge Measuring Apparatus	1
22	Gradient Ratio Test Apparatus	1
23	In Plane Permeability Apparatus	1
24	Cross Permeability Apparatus	1
25	Hydrodynamic Sieve Analysis Apparatus	1
26	Cone Drop Apparatus	1
27	Hot Air Oven	1
28	Water testing equipment with necessary Chemicals	1