

**Faculty of Architecture**  
**B.Arch- R2021**  
**Affiliated Institutions (non- Autonomous)**  
**Minimum Requirements for Studio and Laboratory Equipment**

**A. Studios (For each batch)**

SI.No.	Description of Equipment	Quantity Required (R)
1.	Drawing Board of size A0 (110cm x 80cm), Stand and Stool (1 No./Student)	40
2.	Storage Facilities for Drawings and Models of students (1 No./ Student or equivalent)	40
3.	Permanent Display Panels Or Portable Display Panels	Min 5 Nos of 8' x 4' or equivalent -for a batch of 40

**B. Laboratories (Equipment can be shared for respective subject hours as per timetable for each batch/ year)**

**1. Computer Lab**

SI.No.	Description of Equipment	Quantity Required (R)
1.	Computers with configuration to run required licensed software effectively (1 No./Student)	40
2.	Plotter ( A1 size)	1 No.
3.	A4 Size Printer/Scanner	2 Nos.
4.	LCD with support system	1 No

**2. Licensed Software for Computer Lab**

SI. No.	Purpose	Software Type (Latest version preferable)	Quantity Required (R)
1.	General Purpose Software for Word Processing, Spread Sheets, etc.,	Microsoft Office or equivalent	1 No/ Computer
2.	2D & 3D Drafting, Modelling and Visualisation	AutoCAD/ REVIT, 3DS MAX, Sketchup or equivalent	1 No/ Computer
3.	2D Image Editing	Photoshop or equivalent	1 No/ Computer

### 3. Carpentry and Model Making Workshop

Sl.No.	Descriptions of Equipments	Quantity Required (R)
1.	Handiman Tool Kit	2 Nos.
2.	Measuring Tape ( Steel 30 m)	2 Nos.
3.	Model Miniature Bricks in Wood	4 Sets
4.	Thermo Cole Cutting Machine	2 Nos.
5.	Glass Cutter	2 Nos.
6.	Electrically Operated Potter's wheel	2 Nos.
7.	Carpentry work benches with carpentry tools	2 Tables.

### 4. Surveying Lab

Sl.No.	Description of Equipment	Quantity Required (R)
1.	Theodolite	2 Nos.
2.	Dumpy Level	2 Nos.
3.	Survey Plane Table	2 Nos.
4.	Ranging Rods	2 Sets
5.	Leveling staff / Cross staff	2 Sets
6.	Chains- 10 m and 20 m	1 set each
7.	Surveying tapes / Measuring tape - 30 m minimum	2 Nos.
8.	Surveyor compass	1 No.
Or Total Survey Station instead of all the above		1 No.

### 5. Masonry Tools for Construction Yard

Sl.No.	Description of Equipment	Quantity Required (R)
1.	Trowel	10 Nos.
2.	Masonry levels -Tube and spirit levels	2 Nos. each
3.	Masonry lines	4 Nos.

4.	Plumb line	4 Nos.
5.	Other necessary masonry tools	

### 6. Climatology Lab

Sl.No.	Descriptions of Equipments	Quantity Required (R)
1	Barometer	1 No.
2.	Solarimeter	1 No.
3.	Anemometer	1 No.
4.	Wind vane	1 No.
5.	Rain Gauge	1 No.
Or Comprehensive Weather Station instead of all the above		1 No.

### 7. Acoustics and Lighting Lab

Sl.No.	Description of Equipment	Quantity Required (R)
1.	Sound Level Meter	1 No.
2.	Illuminance Meter	1 No.
3.	Luminance Meter	1 No.

### 8. Material Museum

Materials pertinent to the syllabus.