



**DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE & TECHNOLOGY,  
MURTHAL, SONEPAT, HARYANA-131039**

**APPARATUS FOR B. ARCHITECTURE**

	INFRASTRUCTURE	REQUIRED	AVAILABLE	DEFICIENCY
<b>List of Labs / Equipment's</b>				
S.No	Name of Equipment	Quantity		
<b>B. Arch. 1st Year Labs: Carpentry work shop, Surveying lab, visual arts studio (one for 4 students)</b>				
1.	Hand Saw	20		
2.	Tenon Saw	20		
3.	Key hole Saw 12ö	20		
4.	Jig saw machine-Electric	5		
5.	Measuring tape-3 mts.	20		
6.	Measuring tape-5 mts.	20		
7.	Steel rule	40		
8.	Iron jack planer	20		
9.	Electric planer	10		
10.	Electric drill machine	5		
11.	Glass tope table (for paper cutting)	8		
12.	Table marking gauge	20		
13.	Try square (6ö)	20		
14.	Bevel square (6ö)	20		
15.	Hammer	12		
16.	Mallet	12		
17.	Screw driver 4ö	10		
18.	Screw driver 12ö	10		
19.	Ratchet screw driver	10		
20.	Divider 8ö	12		
21.	Pincer 8ö	12		
22.	Work bench	8		
23.	Half round file 4ö	20		
24.	Half round file 6ö	20		
25.	Half round file 12ö	20		
26.	Round file 4ö	20		
27.	Round file 6ö	20		
28.	Round file 10ö	20		
29.	Flat file 12ö	20		
30.	Triangular file	20		
31.	Mortise chisel 3/8ö	20		
32.	Mortise chisel 1/2ö	20		
33.	Mortise chisel 3/4ö	20		
34.	Firmer chisel 3/4ö	20		
35.	Firmer chisel 1ö	20		
36.	Firmer chisel 5/4ö	20		
37.	Rabet plane 14ö	10		
38.	Grooving plane 10ö	10		
39.	Carbondum stone	05		
40.	Potter Wheel	02		

<b>B. Arch. 1st Year Labs: Surveying lab</b>				
		<b>REQUIRED</b>	<b>AVAILABLE</b>	<b>DEFICIENCY</b>
	Plane table with accessories			
1	Plane table board	20		
2	Plane table stand	20		
3	Magnetic compass	12		
4	Spirit level	12		
5	Alidade/sigh vane	12		
6	Plumbing fork	12		
7	Plumb bob	10		
8	Leveling staff	10		
9	Bench Vice 8ö	10		
10	Ranging Rod 3mts	100		
11	Surveying Chain	12		
12	Measuring tape-15 mts. (plastic)	10		
13	Measuring tape-15 mts. (steel)	10		
14	Measuring tape-30 mts. (Plastic)	10		
15	Measuring tape-30 mts. (steel)	10		
16	Dumpy level with stand	10		
17	Automatic level set	05		
18	Light weight Tripod	05		
19	Staff leveling aluminum telescope	05		
20	Automatic level	05		
21	Compass 360 Degree	05		
22	Hand Held GPS Device	05		

	<b>INFRASTRUCTURE</b>	<b>REQUIRED</b>	<b>AVAILABLE</b>	<b>DEFICIENCY</b>
<b>B. Arch. 2<sup>nd</sup> &amp; 4<sup>th</sup> Year Labs: Climatology lab</b>				
1	Weather station including hygrometer, thermometer, Cup anemometer, Rain gauge, Pyranometer	01		
2	Digital thermohygrometer	25		
3	Lux meter	25		
4	Data loggers thermal	25		
5	Tripod Stand	25		
6	Globe thermometer	10		
7	Solarscope / Sun dial	01		
8	Wind tunnel	01		
9	Environmental Meter	02		
<b>B. Arch. 2<sup>nd</sup> Year Labs: CAD lab</b>				
1	Propriety computer aided drafting (CAD) software with multiple licenses (1:5)	25		
2	Plotter 42+	2		
3	Printer A-4 Size	4		
4	Printer A-3 Size	4		
<b>B. Arch. 1<sup>st</sup>, 2<sup>nd</sup> &amp; 3<sup>rd</sup> Year Labs: Construction yard</b>				
		<b>REQUIRED</b>	<b>AVAILABLE</b>	<b>DEFICIENCY</b>
1	Wire mesh sieve . square-Small	02		
2	Wire mesh sieve . square-Big	04		
3	Wire mesh sieve . Round-Small	04		
4	Steel Kundi	02		
5	Steel Pakad	02		

6	Steel Hammer	02		
7	Measuring tape 15mts (plastic)	04		
8	Measuring tape 3mts (steel)	08		
9	Aluminium Fatti 12qlong	02		
10	Gurmala	08		
11	Plastic Helmet	50		
12	Safety belt	02		
13	Gaiti-steel	02		
14	Steel wire	02 kg		
15	Spade	02		
16	Wire Brush	012		
17	Trowel-small	24		
18	Trowel-medium	24		
19	Trowel-large	24		
20	Mason hammer	24		
21	Plumb bob-small	24		
22	Plumb bob-Big	02		
23	Steel Kassi	12		
24	Earth rammer	04		
25	Bolster & chisel	02		
26	Wooden float (Daab Gutka)	02		
<b>Consumable items</b>				
		<b>REQUIRED</b>	<b>AVAILABLE</b>	<b>DEFICIENCY</b>
27	Plastic bucket	04		
28	Plastic Pipe bundle for curing	04		
29	Plastic Drum	04		
30	Thread	12		
31	Rope . Narial Rasssi bundle	02		
32	Double Ladder	02		
33	Single Ladder	02		
34	Bamboo Challi	04		
35	Water level pipe	04		
36	Derby float	08		
37	Plastic pan	12		
38	Gum Boot	20		
39	Hand Gloves	24		
40	Column formworks Formwork props(wooden) Steel channel, steel jack for formwork Shuttering plates, shuttering plywood	<b>18"x18"=01</b> <b>12"x18"=01</b> <b>9"x 9"=01</b>		

<b>B. Arch. 4<sup>th</sup> &amp; 5th Year Labs: Photography lab</b>				
	<b>INFRASTRUCTURE</b>	<b>REQUIRED</b>	<b>AVAILABLE</b>	<b>DEFICIENCY</b>
1	Prestinox Automatic slide projector	1		
2	Photophone slide projector	3		
3	Linear Tray for 50 slides	1		
4	Linear Tray for 38 slides	1		
5	Linear Tray for 100 slides	1		
6	Linear Tray for 36 slides	3		
7	Line connecting transformer (3kva)	1		
8	Carrying core (slide projector)	1		
9	Autocut stabliser	1		
10	Photophone overhead projector	4		
11	Color T.V.	1		
12	Projector Screen with Stand	2		

13	Laser Pointer	1		
14	Slide Light Box	1		
15	Overhead Projector Trolley	1		
16	Nikon Camera with Compartment case	1		
17	28-85 mm Zoom Lens	1		
18	50mm, 1.4 normal lens	1		
19	Nikon Speed Light SB 16B	1		
20	Close up lens kit	1		
21	Ultra Violet Filter	1		
22	B-8 Blue Filter	1		
23	Mini Drafter	1		
24	Enlarger 2B size model	1		
25	Enlarging Lens	1		
26	Tripod (heavy duty)	1		
27	Trimmer 12+	1		
28	Telescope Power 40x60x100x240x300	1		
29	Light Stand	3		
30	Photo Cutter	1		
31	Slide box	8		
32	Amplifier 80 Watt	1		
33	Mike AGN-500 Microphone	2		
34	L.C.D. Projector (Model XR-105)	1		
35	600Heritage Line interactive UPS Battery	1		
36	Multimedia Projector	2		
37	Nikon D-90 DX Format Digital Camera with 18-105mm VR Kit	1		
38	Fuji Film ASK-300 Photo Printer (without screen)	1		

Certified by the Director/Principal