REVA/AICTE/IDEALAB/OB: 2025-001

Dear Sir/Madam,

REVA University is in the process of establishing an **AICTE IDEA Lab** aimed at fostering innovation, skill development, and interdisciplinary learning among students and faculty.

In this regard, we kindly request you to **send quotations for the following list of equipment, tools, and consumables** to the email ID **xyz@abc.com on or before 21.08.2025**.

We appreciate your prompt response and look forward to your competitive quote.

Thank you for your support.

AICTE Mandated Equipment List	
1	Laser Cutter
2	Vinyl Cutter
3	3D Printer
4	3D Scanner
5	CNC Router
6	Mini Desktop Lathe cum Milling - 5 Axis Desktop CNC Machine
7	Drilling M/c 1 HP Motor
8	Handheld High Speed Drilling M/c - 15000 RPM with accessories (2 Nos.)
9	Benchtop Grinder Machine
10	Solder Stations (5 Nos.)
11	Desoldering M/c
12	Advanced Motorized Sewing Machine
13	Wood Lathe
14	Power Tools
15	Portable Welding M/c
16	Refrigerator
17	Normal and Microwave Oven
18	Magnifying Glass with Stand (2 Nos.)
19	Digital Microscope
20	Mixed Signal Oscilloscope
21	Digital Storage Oscilloscope

22	Signal Generator
23	Variable Power Supply
24	Benchtop Multimeter
25	Projector
26	Heavy Duty Laser Printer
27	PCB Milling Machine*
28	Smart Board
29	Computer Workstation in Networking (5 Nos.)

AICTE Mandated Consumables List		
1	Vacuum Cleaner		
2	Hot Air Gun - 5 Nos.		
3	Measuring Equipment (Vernier caliper, height gauge, micrometer, scale)		
4	Fire Extinguisher		
5	First Aid Box		
6	Digital Multimeter (5 units)		
7	Clothes Iron (5 units)		
8	Electronic Component Repository (LCR Meter, Variac etc)		
9	3D printer Filament (2 rolls)	Depending on the printer	2 rolls
10	Acrylic Sheets (2 sheets each)	2mm, 3mm, 4mm, 5mm (All of area 8ft x 4ft)	2 sheets each
11	Foam Sheets (2 sheets each)	8mm, 10mm, 12mm, 15mm (All of area 8ft x 4ft)	2 sheets each
12	Ply Boards (2 sheets each)	8mm, 12mm, 18mm (All of area 8ft x 4ft)	2 sheets each
13	Nylon Rods (5 each)	12mm, 15mm, 18mm, 25mm (All of length 1m)	5 each
14	Nuts (100 each)	3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm	100 each
15	Bolts (100 each)	Dia (3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm) length (1", 1.5", 2", 2.5")	100 each
16	Screws (100 each)	3mm, 4mm, 5mm	100 each
17	Washers (100 each)	3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm	100 each
18	Studs (5 each)	6mm, 8mm (Length 1m)	5 each
19	Nails (20 each)	1", 2", 3"	100 each
20	Adhesives (10 each)	M-Seal, Fevicol, Fevi Bond	10 each
21	2Way Tapes (20 rolls)	-	20 rolls

22	PVC Pipes (1 each)	.75", 1", 1.5", 2.5" (Length 10ft)	1 each
23	Aluminum Channels (2 each)	L, C, Box, Strip (Length 12ft)	2 each
24	PCB Drill Bits (20 each)	0.5mm, 0.8mm, 1mm	20 each
25	Drill Bits (20 each)	3mm, 4mm, 5mm, 6mm	20 each
26	Drill Bits (5 each)	8mm, 10mm, 12mm	5 each
27	Carpentry Boring Bits (5 each)	Entire Kit	1 kit
28	Electronic Active and Passive Components (10 each)	Resistors, Capacitors, diodes and transistors	10 each
29	USB Cables (for Arduino and other boards)	For connecting Arduino and other development boards	10
30	Radium Cutter Knives		10
31	Glue Sticks		50
32	Hack Saw Blades (6" and 12")	6" and 12"	10 each
33	9V Battery Snaps		20
34	LAN Cables (for Raspberry Pi)	For connecting Raspberry Pi	5
35	9V Batteries		20

AICTE Mandated Tools List (Mechanical)	
1	Hacksaw (5 Nos.)
2	Micro Chisel Set (3 Nos.)
3	Pliers (3 Sets)
4	Manual PCB Drilling Machine (3 Nos.)
5	PCB power Drilling Machine (3 Nos.)
6	Cordless Drilling Machines (2 Nos.)
7	Jigsaw Machines (2 Nos.)
8	Power Circular Saw (2 Nos.)
9	Files Set (2 Sets)
10	File Handles (1 Set)
11	Needle Files (2 Sets)
12	Pipe Vice (2 Pcs)
13	Mini HackSaw (5 Nos.)
14	Ball Peen Hammer (6 Nos.)
15	Steel Shaft Claw Hammer (5 Nos.)
16	Nylon Mallet (5 Pcs)
17	Rubber Mallet (5 Pcs)
18	Allen Key Set (3 Sets)
19	Dremel multi tool kit (2 Nos.)
20	Double ended spanner sets (2 Sets)

21	12 Piece Open ended Spanner Set (2 Sets)
22	Belt and Disc Sanding Machine (1 No.)
23	Scroll Saw Machine (1 No.)
24	Tool Wall covering Perforator (3 pcs)
25	Dremel Moto Saw
26	Bench Grinding Machine
27	Power Return Measuring Tape (6 Nos.)
28	Tri Square 8" (6 Nos.)
29	Stainless Steel Rule (6 Nos.)
30	Digital Vernier Caliper (6 Nos.)
31	Spirit Level (5 Nos.)
32	Dremel Cordless Rotary Tool
33	Power Router
34	Sewing Machine
35	Impact Drill (3 Units)
36	Ratchet Set (3 Units)
37	Router Bit Starter kit
38	Scroll Saw

AICTE Mandated Tools List (Electricals)	
1	Hot Air Blower with Soldering Iron (5 Nos)
2	Tin Cutter with Spring (10 units)
3	Centrifugal Blower
4	Screwdriver Sets (2 sets)
5	Cutting Mats (3 Nos.)
6	Vacuum Cleaner (2 Nos.)
7	Hot Air Gun- 5 Nos.
8	Micrometer- 5 Nos
9	Glue Gun-5 Nos
10	Air Compressor
11	Allen Set Wrench (5 set)
12	Tongue and Groove Pliers (5 pcs)
13	Non-contact voltage tester (5 pcs)
14	Wire Stripper (5 pcs)
15	Fish Tape (2 pcs)
16	Flashlights (2 pcs)
17	DC Regulated Power Supply (3 units)
18	Solder Wick (10 pcs)
19	Filament Dehydrator
20	Reflow Oven
21	Glass Cutter
22	Gypsum (10kg)
23	Digital Multimeter (5 units)
24	Clothes Iron (6 units)
25	Oscilloscope (4 units)

AICTE Mandated Tools List (Networking)	
1	C-Clamp (10 pcs)
2	Ratchet clamp 8 inches/200mm (10 pcs)
3	Baby Vice 60 mm (5 pcs)
4	Bench vices (5 units)
5	Anvil