

List of Tools, Equipment & Machinery (for 50 students)

DAE Footwear Technology, Revised July, 2025

List of labs.

1. Designing lab
2. Cutting lab
3. stitching lab
4. Lasting lab
5. Computer lab
6. CAD/CAM Lab
7. Tanning lab
8. Physical lab
9. Chemical lab

- **Designing lab:**

Sr.no	Equipment's	Quantity
1.	Revolving Chair	50
2.	Table	10
3.	Scissor	50
4.	Tape dispenser	50
5.	Cutting mat	50
6.	Shoe last	50
7.	Hammer	10
8.	Punch set	10
9.	Geometry tools / set square	05
10.	Last measuring tape	02

11.	French curve and ruler	10
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- **Cutting Lab:**

Sr.no	Equipment's	Quantity
1.	Chair	50
2.	Table	50
3.	Scissor	50
4.	Hand cutting knife	50
5.	Cutting mat	50
6.	Material swatch book	10
7.	Hammer	50
8.	Punch set	10
9.	Cutting board	10
10.	Clicking press	1
11.	Hydraulic press	1
12.	Laser cutting machine	1
13.	Splitting machine	1
14.	Skiving machine	2
15.	Numbering machine	1

16.	Screen printing apparatus	1
17.	Embossing machine	1
18.	Strap cutter	1
19.	Shear	1
20.	Sole splitting machine	1
21.	Stool	5
22.	Cabinet	10
23.	Zinc sheet	1000KG
24.	Insole Punching machine	1

- **Stitching Lab:**

Sr.no	Equipment's	Quantity
1.	Stool	50
2.	Table	50
3.	Scissor	50
4.	Hand cutting knife	50
5.	Measuring tape	10
6.	Hammer	50
7.	Punch set	10
8.	Strobel machine	1
09.	Brush	10
10.	L-key set	2 Set
11.	Revolving punch	5

12.	Electric iron	1
13.	Spanner kit	1
14.	Zig Zag Stitching M/C	1
15.	Single Needle Post bed M/C	20
16.	Single Needle Flatbed M/C	10
17.	Eyelet machine	1
18.	Pasting machine	1
19.	Crimping machine	1
20.	Single Needle Cylinder Arms	05
21.	Cabinet	10
22.	Blocking machine	1
23.	Auto Lock Stitch	02
24.	Binding machine	1
25.	Single Double Needle Post bed M/C	10
26.	Perforating and Slotting (Local)	01
27.	Spray Cabin	01
28.	Perforating Insole	01
29.	Drill Machine	02
30.	Working Table	25
31.	Electric Grinder	02
32.	Single Sewing Old Manual	01
33.	Cutting Knives + Cutting Dies As per Model Tack Lifter	10
34.	Table	25

35.	Revolving Chair Plastic	50
36.	Cabinet + Locker+ Rack	50
37.	Filling Cabinet	50
38.	Lactometer	02
39.	Needle Top & Bottom Feed Stitching M/C	01
40.	Button Hole M/C	01
41.	Button attaching	01
42.	Electric Cutting M/C	01
43.	Safety Over Lock M/C	02
44.	Vacuum M/C (Shell Form)	01
45.	Punching & Eyeletting M/C	01
46.	Edge Upper Folding M/C	01

- **Lasting Lab**

Sr.no	Equipment's	Quantity
1.	Stool	50
2.	Table big	02
3.	Scissor	50
4.	Hand cutting knife	50
5.	Lasting plier	10
6.	Nail puller	10
7.	Hammer	10
8.	Lasting stand	10

9.	Shoe horn	10
10.	Brush	50
11.	L-key set	10
12.	Electric heater	02
13.	Rubber hammer	10
14.	Spanner kit	10
15.	Plastic hammer	10
16.	Shoe last	50
16.	Toe lasting activator	01
17.	Toe lasting M/C	01
18.	Toe shaping M/C	01
19.	Outside sole lasting M/C	01
20.	Sole Attaching	01
21.	Cabinet	01
22.	Heel lasting machine	01
23.	Sole press	01
24.	Shape farming	01
25.	Drum press	01
26.	Heat chamber	01
27.	Cold Chamber	01
28.	Sole Stitching M/C	01
29.	Ruffing M/C	01
30.	Buffing M/C	01
31.	Hand ruffing M/C	01

32.	Spray Booth with gun	01
33.	Wrinkle Chasing	01
34.	Auto Insole Back Part Terming M/C With Dust Collector	01
35.	Eyeleting M/C For Insole Shank Steel	01
36.	Toe Forming M/C Hot& Cold	01
37.	Back Forming Hot &Cold	01
38.	Toe Activator/Steam Mulling M/C	01
39.	Embossing & Printing M/C 01	01
40.	Strobling M/C Upper Insole Inter Lock 01	01
41.	Binding M/C I Needle Lock Stich 01	01
42.	Upper Forming M/C For 4Pairs Mould 01	01
43.	Roughing M/C Total Bottom 01	01
44.	Sole Roughing Dual Head 01	01
45.	Inside Sole Stitching Inter Lock 01	01
46.	Side Sole Stitching M/C 01	01
47.	01 Heating Chamber (Heat Set M/C) 01	01
48.	Sole Reactivation M/C 01 I	01
49.	Insole Forming M/C 01	01
50.	Auto Shank Board Reducing & Grooving 01	01
51.	De-Lasting	01

- **Computer lab**

Sr.no	Equipment's	Quantity
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1.	Revolving Chair	50
2.	Computer Table	50
3.	Computer system	50
4.	Microsoft windows	50
5.	Microsoft office	50
6.	Color printer	01
7.	Medium duty printer	01
8.	Light duty scanner	01
9.	LCD multimedia projector	01
10.	Backup ups	01
11.	USB	05
12.	External hard drive	01
13.	Air Conditioner	4

- **CAD/CAM Lab:**

Sr.no	Equipment's	Quantity
1.	Revolving Chair	50
2.	Computer Table	50
3.	Digitizer	01
4.	CAD/CAM plotter	01
5.	3d scanner	01
6.	2d scanner A3 size	01
7.	Color printer	01

8.	Medium duty printer	01
9.	Computer system	50
10.	CAD/CAM software	50
11.	Microsoft windows	50
12.	Multimedia projector	01
13.	Backup UPS	01
14.	USB	05
15.	External hard drive	01
16.	Air Conditioner	4

- **Tanning Lab:**

Sr.no	Equipment's	Quantity
1.	Stool	50
4.	Hand cutting knife	10
5.	Indicator liming/tanning /neutralization each	02 small pack
6.	Measuring tape	02
7.	Beume meter	05
8.	Thermometer	02
9.	Measuring slender	05
10.	Wight balance	02
11.	I-key	02
12.	Hammer	10
13.	Glazing M/C	01

14.	Buffing M/C 2	01
15.	Staking Horse	01
16.	Staking Horse	01
17.	Working Table	01
18.	Air Compressor	01
19.	Experimental Drum	01

- **Physical Lab:**

Sr.no	Equipment's	Quantity
1.	Stool	50
2.	Table	
3.	Scissor	10
4.	Hand cutting knife	15
5.	Tensile strength tester M/C	01
6.	Cutting knives	10
7.	Cutting dies	20
8.	Tear strength tester M/C	01
9.	Ball test machine	01
10.	Vernier caliper	50
11.	Stop watch	10
12.	Thickness gauge	02
13.	Flex Resistance test M/C	01

14.	Adhesion Strength M/C	01
15.	Slip Resistance tester	01
16.	Sole flexing tester M/C	01
16.	Heel attachment strength tester M/C	01
17.	Water proof tester M/C	01
18.	Color fastness tester M/C	01
19.	Abrasion Resistance M/C	01
20.	Rub Fastness M/C	01
21.	Adhesion of Finish M/C	01
22.	Flexo Meter	01
23.	Ph Test M/C	01
24.	Light Fastness M/C	01
25.	Water Profanes M/C	01

- **Chemical Lab:**

Sr.no	Equipment's	Quantity
1.	Stool	50
2.	Hand cutting knife	10
3.	Ph meter (analytical grade)	02
4.	Spectrophotometer	01
5.	Digital balance	01
6.	Soxhelt apparatus	01

7.	Soxhelt extractor	01
08.	BOD cabinet	01
09.	Water distillation unit	01
10.	Drying oven	01