

Prayas Centre Name: SJCE-Science & Technology Entrepreneurs Park (STEP)

City : Mysuru
State : Karnataka
FabLab Page Link : www.sjcestep.in

Equipment Available at Nidhi PRAYAS Shala

Manufacturing Facility		
Sl. No.	Equipment Name	Equipment detail
1	A4 2D Printer	Brand - HP 419 Ink Tank Specification - WiFi multifunction printer Operational area - Document printing Software support - HP Smart Link of the user manual - https://drive.google.com/file/d/1fiv5AN1g_913Ml_o6H_VW3ZLZ86Pj4deF/view?usp=drive_link
2	Laser Engraving Machine	Brand - Yugma Impressions Specification - CO2 engraving system Operational area - Engraving Software support - Laser engraving software Link of the user manual - https://drive.google.com/file/d/1zofNuv3uhCG4dceBqIEUF11JqUSqHNf/view?usp=drive_link
3	Pratham 6.0 FDM 3D Printer	Brand - Pratham Specification - Build volume 600×600×600 mm Operational area - Large prototype printing Software support - Slicing software Link of the user manual - https://drive.google.com/file/d/1Y81m3CtOJPSf8Rnbtzy6gCA2rhjV6SUu/view?usp=drive_link

4	Pratham Desktop FDM 3D Printer	<p>Brand - Pratham Specification - Build volume 200×200×250 mm Operational area - Desktop 3D printing Software support - Slicing software Link of the user manual - https://drive.google.com/file/d/1yKEHzLUdFb1Nbr7KT PqQWqyytz55-pZB/view?usp=drive_link</p>
5	ELEGOO Jupiter 6K Resin 3D Printer	<p>Brand - ELEGOO Specification - 12.8 inch 6K LCD printer Operational area - Resin printing Software support - Resin slicer Link of the user manual - https://www.3dbazaar.in/product/elegoo-jupiter-6k-resin-3d-printer/</p>
6	Laser Cutting Machine	<p>Brand - DM (DM-1390S Laser Cutting) Specification - 1300×900 mm CO2 laser cutter Operational area - Wood / acrylic cutting Software support - Laser control software Link of the user manual - https://drive.google.com/file/d/16RHQRGRLHkDZT a-KY197J0YsZHoqg-q1/view?usp=drive_link</p>

Metalworking Facility		
Sl. No.	Equipment Name	Equipment detail
1	CNC Wire EDM Cutting Machine	<p>Brand - Fostex Specification - Precision wire EDM cutting system Operational area - Precision metal machining Software support - CNC controller Link of the user manual - https://drive.google.com/file/d/1dYNF8IkMNNTxLM5LtK21UY0Dg2M-5n86/view?usp=drive_link</p>
2	Shear Cutters	<p>Brand - Jon Bhandari Specification - 8.5 inch manual sheet cutter Operational area - Sheet metal cutting Software support - Not Applicable Link of the user manual - NA</p>
3	Bench Vice	<p>Brand - Taparia Specification - 150 mm heavy-duty vice Operational area - Work holding Software support - Not Applicable Link of the user manual - NA</p>
4	Bench Polisher / Grinder	<p>Brand - Bosch GBG 35-15 Specification - Double wheel bench grinder Operational area - Metal grinding and polishing Software support - Not Applicable Link of the user manual - https://drive.google.com/file/d/1pI5UtyY37d_ovR8g272v_wOF2mdkZ6Bt/view?usp=drive_link</p>

5	Arc Welding Machine	<p>Brand - TOSHAN ARC 200</p> <p>Specification - 200A arc welding machine</p> <p>Operational area - Metal joining</p> <p>Software support - Not Applicable</p> <p>Link of the user manual - NA</p>
6	Angle Grinder	<p>Brand - Bosch GWS 600</p> <p>Specification - 4 inch metal grinder</p> <p>Operational area - Cutting and grinding</p> <p>Software support - Not Applicable</p> <p>Link of the user manual - https://drive.google.com/file/d/1E3weGtStHJrhMQbuIzKea4roboNtatLn/view?usp=drive_link</p>
7	Magnetic Vice	<p>Brand - Electro Magnetic Chuck</p> <p>Specification - Magnetic holding system</p> <p>Operational area - Workpiece holding</p> <p>Software support - Not Applicable</p> <p>Link of the user manual - NA</p>
8	MIG Welding Machine	<p>Brand - GK 36</p> <p>Specification - 250A MIG welding setup</p> <p>Operational area - Fabrication welding</p> <p>Software support - Not Applicable</p> <p>Link of the user manual - NA</p>
9	Ultrasonic Plastic Welding Machine	<p>Brand - KAMSONIC</p> <p>Specification - 15kHz ultrasonic welding</p> <p>Operational area - Plastic joining</p> <p>Software support - Not Applicable</p> <p>Link of the user manual - https://drive.google.com/file/d/1XzNzZAmLuqdLNLbz303wid901x9fkVgv/view?usp=drive_link</p>

Wood Working Facility		
Sl. No.	Equipment Name	Equipment detail
1	Orbital Sander	Brand - Bosch GEX125-1AE Specification - Random orbital sander Operational area - Wood finishing
2	Combination Handsaws	Brand - Standard Specification - Manual wood saw Operational area - Wood cutting
3	Chop Saw	Brand - Dewalt DW871-IN Specification - 14 inch chop saw Operational area - Wood / metal cutting
4	Backsaws	Brand - Market Specification - Fine precision cutting saw Operational area - Fine wood cutting
5	Keyhole Handsaws	Brand - Market Specification - Narrow blade saw Operational area - Detailed cutting
6	Circular Saw Table	Brand - Bosch GKS 235 Specification - Electric circular saw Operational area - Wood cutting
7	Thickness Planer	Brand - JAI 1018 Specification - Adjustable planer Operational area - Thickness finishing
8	Band Saw Machine	Brand - Dewalt Specification - Compact band saw Operational area - Wood cutting

9	CNC Router	Brand - Stepcraft Specification - CNC routing machine Operational area - CNC wood machining
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Measuring Instruments		
Sl. No.	Equipment Name	Equipment detail
1	Digital Vernier	Brand - Insize Specification - 150 mm digital calliper Operational area - Dimensional measurement
2	Digital Micrometer	Brand - Insize Specification - 0–25 mm measurement Operational area - Precision measurement
3	Weighing Scale – Big	Brand - Market Specification - Heavy capacity digital scale Operational area - Weight measurement
4	Weighing Scale – Small	Brand - Market Specification - Bench top scale Operational area - Weight measurement
5	Torque Measuring Tool	Specification - Portable digital torque meter Operational area - Torque measurement
6	Digital Height Gauge	Brand - Insize Specification - 300 mm height gauge Operational area - Height measurement

Power Tools		
Sl. No.	Equipment Name	Equipment detail
1	HSS Drill Bits Set	Brand - Bosch Specification - 50-piece drill bit set
2	Buffing Machine	Brand - Bosch Specification - Professional polishing tool
3	Belt Sander	Brand - Ferm Specification - Vertical/horizontal sanding
4	Bench Drilling Machine	Brand - Siddhapura Specification - Pillar drilling machine
5	End Mill Resharpener Machine	Model - ED-03H Specification - 3–20 mm tool capacity
6	2D Plotter Machine	Brand - HP DesignJet Specification - Large format plotting
7	Vinyl Cutter	Brand - VEVOR Specification - 28–34 inch cutting width
8	Turning Machine	Brand - Bhavya Specification - Metal turning lathe
9	Double Disc Polishing Machine	Brand - Radical India Specification - Dual disc polishing system

Hand Tools		
Sl. No.	Equipment Name	Equipment detail
1	Allen Keys Set	Specification - 1.5–10 mm metric set
2	Screwdrivers Set	Brand - Taparia Specification - 80 piece screwdriver set
3	Mallets	Brand - Taparia Specification - Rubber / nylon head
4	Pliers Set	Specification - Cutting and nose pliers
5	Hammers	Brand - Stanley Specification - 8 oz claw hammer
6	Spanner Set	Brand - Stanley Specification - 6–32 open spanner set
7	Wire Strippers	Brand - Stanley Specification - Wire stripping tool
8	Glue Gun	Specification - Electric hot glue gun
9	Hand Files Set	Specification - 150 mm 6 piece file set
10	Steel Rulers	Specification - 12 inch stainless ruler
11	Try Squares	Specification - 6 inch right angle tool
12	Chisels Set	Specification - Wood carving chisels
13	Taps & Reamers	Brand - Taparia Specification - Threading tools
14	Fasteners	Specification - M1–M10 assorted screws
15	Sandpaper	Specification - 150–2000 grit sheets
16	Industrial Adhesives	Specification - Bonding solutions
17	Rotary Tool Kit	Brand - Procut Specification - 118 pcs accessory kit
18	Granite Surface Plate	Specification - 1600×1000×150 mm precision plate

