



Prayas Centre Name DETI@ACE - PRAYAS CENTER

City HOSUR

State TAMIL NADU

Fablab Page Link <http://www.detiaceprayas.org.in/prayas-shala.html>

Equipment available at Fab-lab DST PRAYAS Shala

Section		Electronic/Prototyping Facility
Sr. No.	Equipment Name	Equipment detail
1	3D Printer	<p>Brand – STRATASYS Model –F170 Specification - Maximum Build Size: 254 x 254 x 254 mm, Model Materials: PLA*, ABS-M30™, ASA, QSR support material. Layer Thickness: PLA (0.254mm), ABS & ASA (0.330mm-0.127mm) Operational area – Product development, Manufacturing, Education, Architecture. Link of the user manual - https://www.manualslib.com/manual/1359347/Stratasys-F170.html</p>
2	3D Scanner	<p>Brand – ARTEC Model – ARTEC EVA Specification – 3D Accuracy: upto 0.1mm, 3D Resolution: upto 0.2mm, object size: starts from 10 cm, weight of scanner: 0.9kg, 3D Reconstruction rate: 16 FPS Operational area – Scanning, Observe a scene in three dimation Link of the user manual - http://docs.artec-group.com/as/11/en/_downloads/Manual-11-EN.pdf</p>

Section		Metalworking Facility
Sr. No.	Equipment Name	Equipment detail
3	Universal Laser Cutter	<p>Brand - Unique Laser Model – VLS 4.60 Specification – Workspace area: 24*18in, Dimension 36*38*36 in, Focus lenses CO2: 1.5 in, lifting capacity: 18 kg. Material - Acrylic, Mdf, PVC, Glass, Wood etc.</p>

Section			Supply & measuring equipment		
Sr. No.	Equipment Name	Equipment detail			
4	DC Power supply with photovoltaic solar simulator	Brand - ITECH Model - IT6514C Specification – 360V/ 30A/ 1800W			
5	AC Power Source	Brand - ITECH Model – IT7322 Specification - 300v/ 6A / 750VA			
6	Power Meter	Brand - ITECH Model - IT9121 Specification - Input of 600Arms, and 20Arms, Current Accuracy of 0.1%			

Section			BioLab Facility		
Sr. No.	Equipment Name	Equipment detail			
7	Melt process based crystal growth setup	Brand – Crystal semi Model – CS:CG:03 Specification - Temperature Range: 40.00 0C to 99.99 0C, Smart Temperature Controller & Dual Digital Display Settings, Inner Tank Capacity: 40 litres, Inner Tank Size: 470 X 260 X 350 (L X WX D), Work Space: 365 X 260 X 350 (L X WX D), Power Supply: 230v, 50Hz AC, Control Accuracy: + 0.01 0C			