

Prayas Centre Name Entrepreneurship Development Center (Venture Center)

City Pune

State Maharashtra

Fablab Page Link <https://www.venturecenter.co.in/prayashala/>

Equipment available at Venture Center DST PRAYAS Shala

Section		Prototyping Facility
Sr. No.	Equipment Name	Equipment detail
1	3D scanner	Brand - Altec - 3D Digitizing Systems Model Specification – -Fast scanning speed 7.5 fps, -High 3D point accuracy 0.05 mm, -Impressive 3D resolution 0.1 mm, -Texture resolution 1.3 Mpx Link of the user manual – https://www.artec3d.com/portable-3d-scanners/artec-spider
2	Gaming Laptop for 3D scanner	Brand - DELL INSPIRON 15 5577 Model Specification - 64 bit, windows 10 Intel Core i5 (7th Gen), System Memory Type- DDR4, System Memory- 8GB Link of the user manual – https://gadgets360.com/shop/dell-inspiron-15-gaming-5577-15-6-inch-laptop-core-i5-7th-gen-8gb-1tb-win-10-4gb-graphics-black-353735372d39383039
3	3D Printer	Brand - Flash Forge Model – Guider II Specification - -A wide range of materials -support 1.75mm filaments -Open 1.75mm Filament System -5-inch Touch screen Interface Operational area – Massive Build Volume: 280*250*300mm (11*9.8*11.8 IN) Link of the user manual - https://www.flashforge.com/product-detail/10
4	Injection Moulding Machine	Brand – Babyplast Model - Babyplast 6/12 Standard Specification – -Quality Control on 4 cycle parameters -PID temperature control (up to 420°C) -4 temperature control zones (optional 5th zone), with mould temperature adjustment or hot runner 230 V - Injection and clamp position controlled with linear transducers -Output for auxiliary control -Cooling circuit (6 zones) -Temperature tolerance band

		-Hydraulic ejection with ejector return sensor -Air blow and core pull functions Operational area – Link of the user manual - https://www.babyplast.com/en/products/babyplast-6-12-standard/
--	--	---

Section			Metalworking Facility		
Sr. No.	Equipment Name	Equipment detail			
5	Vertical Milling Machine	Brand - HAAS Model – TM 1P Specification – Max Rating-7.5 hp Max Speed -4000 rpm Taper- BT 40 Operational area – Table Length-47.8 in & Table Width-10.5 in Link of the user manual - https://www.haascnc.com/service/online-operator-s-manuals/mill-operator-s-manual/mill---introduction.html			

Section			BioLab Facility		
Sr. No.	Equipment Name	Equipment detail			
6	E.O. Beachstop Sterilizer	Brand –Rentokill PCI Model -2.6 CF Leo Specification – -Single touch operation -Sterilisation parameters are pre programmed for warm and cold cycles -Alphanumeric LCD displays vital parameters with current cycle status -Printer: Entire sterilization process is printed in Alphanumeric format. Operational area – Chamber volume : 12”x 12” x 32” (73 liters) Link of the user manual - https://www.pestcontrolindia.com/sterilising-equipment/			
7	Microscope	Brand -Leica Model - Leica S9D Stereozoom Specification – -FusionOptics technology with 12 mm depth of field to find details fast -High magnification up to 55x and 9:1 zoom for quick changes from overview to details -122 mm working distance for easy sample manipulations under the microscope -Integrated, network-camera for easy image sharing Operational area – Link of the user manual – https://www.leica-microsystems.com/products/stereo-microscopes-microscopes/p/leica-s9-e/			
8	Clean Room (ISO Class 7)				