

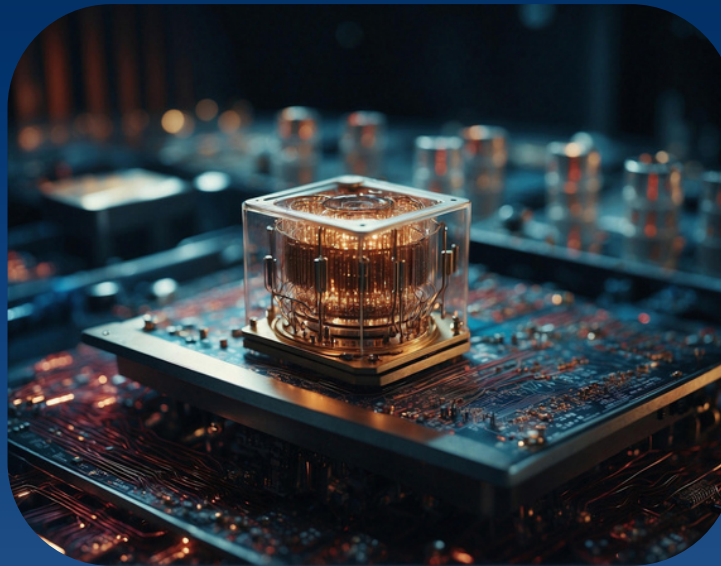


I-HUB QUANTUM TECHNOLOGY FOUNDATION

Shared Facilities & Services

Common Facilities Lab

- Providing relevant and effective technology solutions for all I-HUB QTF stakeholders
- Providing customization and quality at competitive prices.



Why Us?

- Customization
- Lesser lead time
- Cost effective solution

EQUIPMENT

Test Bench 1



Digital Storage
Oscilloscope- Keysight
EXR404A



Function
Generator- Rigol
DG912 Pro



USB Oscilloscope- Digilent
Analog Discovery Pro 3000

Test Bench 2



Programmable DC Power
Supply-
Scientific PSD7303A & PSD7303B



Desktop Digital
Multimeter- Keithley
DMM6500

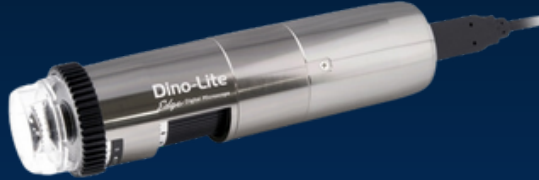


Handheld Digital
Multimeter- Fluke
115

EQUIPMENT



SLA 3D Printer- FormLabs Form 4 with Washing and Curing unit



Portable Digital Microscope- Dino-Lite AM8917MZT



Workstation- HP Z2 G9 Tower

Software-

- COMSOL 6.3
- Origin Pro V2025

Other Equipment:

- PCB Prototyping Machine
- Soldering Station



FDM 3D Printer- BambuLabs P1S Combo with Filament Dryer



iMac Desktop

SERVICES

Electronics Services:

- PCB Design: We provide PCB designing services with impedance-controlled PCBs with up to 8 layers, including PCB-based antennas.
- PCB Manufacturing: We offer fabrication of PCBs up to 2 layers with the following specifications:
 - 1) Maximum Layers: 2
 - 2) Minimum Trace Width: 0.7 mm
 - 3) Minimum Drill Size: 0.1 mm
 - 4) Annular Ring (Non-Plated): 0.7 mm
- Prototyping & System Development: We provide prototyping services for electronic instruments, including firmware and software development

Mechanical Services:

- Product Design- Customised part design and assembly design as per user requirement. Support for developing multiple design iterations.
- Computer Aided Design (CAD) and Drafting- Preparation of CAD model for visualization and engineering drawing for ease of manufacturing
- Manufacturing- Consultation of possible manufacturing methods and availing manufacturing services
- 3D Printing- Design for 3D printing, Pre-processing, Consultation of possible 3D printing methods, 3D Printing and Post-processing