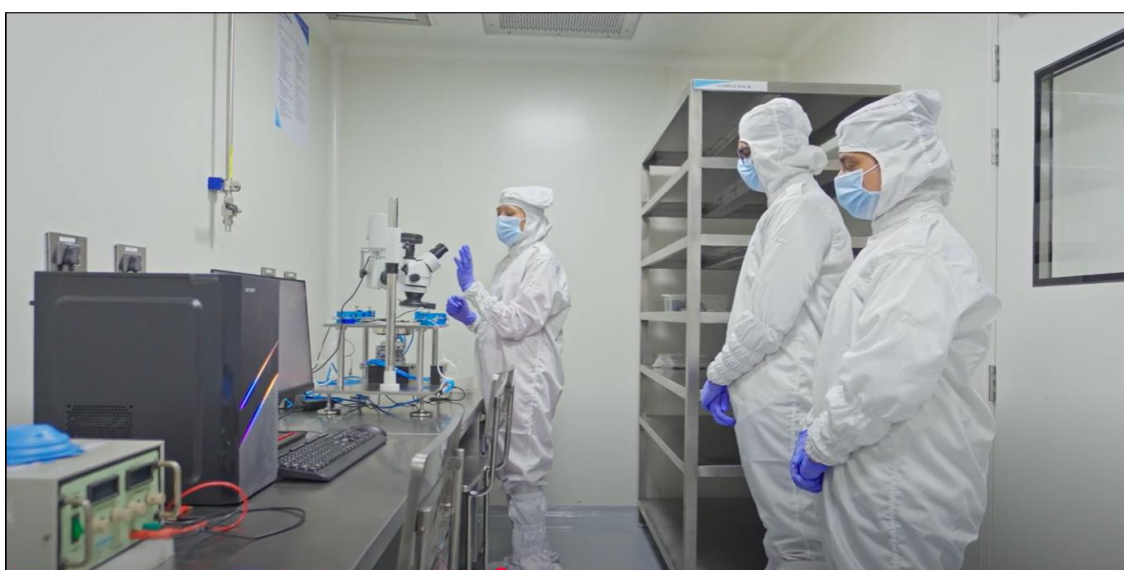


Semiconductor Characterization Facility Available at DYPIU

The Silicon Forge Semiconductor Characterization Facility (SCF) is available at D. Y. Patil International University (DYPIU), Akurdi, Pune, offering advanced semiconductor characterization, testing, fabrication support, and related consultancy services.

For more information about the SCF, available equipment, user categories, charges, and enquiry/booking process, [[Click Here](#)].

The SCF provides access to a range of semiconductor characterization and fabrication facilities for DYPIU students, faculty and staff, government institutions/universities, private institutions, and industry on a paid basis as per the approved user charges.



Characterization Room



Thermal E beam



Lithography Room



Mask Aligner

Facilities & Services

The facility includes equipment and services for:

- Thin-film thickness measurement
- Four-point probe resistivity measurement
- Hall Effect measurement
- Semiconductor parameter analysis (I-V/C-V)
- Probe station and SMU
- UV-Visible and FTIR spectroscopy
- Optical microscopy
- Wafer cleaning and dicing
- Thin-film annealing
- Lithography
- Thermal evaporation
- Oxidation and boron diffusion
- Wet etching and lift-off
- Electrical measurements using oscilloscope and LCR meter

Who Can Avail the Facility?

- DYPIU Internal Users – Students, Faculty and Staff
- Government Institutions / Universities
- Private Institutions
- Industry

Enquiry and Booking Form:

For enquiry and booking, kindly click on the following google form link.

<https://forms.gle/24GJoTrXcUgfCzW3A>

The request is then reviewed by the SCF Facility In-charge for technical feasibility and sample safety, followed by scheduling, payment of applicable charges, testing, and issuance of a signed test report/data sheet.

After Submission of form, payment details will be sent to Email id.