

AREAWISE INSTRUMENTS AVAILABLE AT THE SAIFs

S.No.	Areas/Instruments	Available at
1.	Optical spectroscopy/other optical methods	
	<ul style="list-style-type: none"> • UV-VIS/UV-VIS-NIR Spectrometer 	SAIF, Chennai; SAIF, Lucknow; SAIF, Chandigarh; SAIF, Shillong; SICART, V.Vidyanagar; SAIF, Kochi
	<ul style="list-style-type: none"> • FT-IR Spectrometer 	SAIF, Chennai; SAIF, Mumbai; SAIF, Lucknow; SAIF, Chandigarh; SAIF, Shillong; SAIF, Nagpur; SICART, V.Vidyanagar; SAIF, Kochi
	<ul style="list-style-type: none"> • Atomic Absorption Spectrometer 	SAIF, Chandigarh; SAIF, Shillong; SAIF, Nagpur
	<ul style="list-style-type: none"> • ICP-Atomic Emission Spectrometer 	SAIF, Chennai; SAIF, Mumbai; SAIF, Shillong; SICART, V.Vidyanagar; SAIF, Kochi
	<ul style="list-style-type: none"> • Fluorescence Spectrometer 	SAIF, Chennai; SAIF, Mumbai;
	<ul style="list-style-type: none"> • Laser Raman Spectrometer 	SAIF, Mumbai
	<ul style="list-style-type: none"> • Laser Particle Size Analyzer 	SICART, V.Vidyanagar
	<ul style="list-style-type: none"> • Polarimeter 	SAIF, Lucknow
2.	Resonance Methods (NMR/EPR/Mossbauer Spectroscopy)	
	<ul style="list-style-type: none"> • FT-NMR Spectrometer 	SAIF, Chennai; SAIF, Mumbai; SAIF, Lucknow; SAIF, Chandigarh; SAIF, Shillong; SAIF, Bangalore
	<ul style="list-style-type: none"> • EPR Spectrometer 	SAIF, Chennai; SAIF, Mumbai;
	<ul style="list-style-type: none"> • Mossbauer Spectrometer 	SAIF, Chennai
3.	X-ray based Methods	
	<ul style="list-style-type: none"> • X-ray Fluorescence Spectrometer 	SAIF, Chennai; SAIF, Mumbai; SAIF, Guwahati
	<ul style="list-style-type: none"> • X-ray Diffractometer (powder) 	SAIF, Chandigarh; SAIF, Nagpur; SAIF, Guwahati; SICART, V.Vidyanagar; SAIF, Kochi
	<ul style="list-style-type: none"> • X-ray Diffractometer (Single crystal) 	SAIF, Chennai;
4.	Microcopy	
	<ul style="list-style-type: none"> • Scanning Electron Microscope 	SAIF, Mumbai; SAIF, Lucknow; SAIF, Chandigarh; SAIF, Shillong; SAIF, New Delhi; SICART, V.Vidyanagar
	<ul style="list-style-type: none"> • Transmission Electron Microscope 	SAIF, Mumbai; SAIF, Lucknow; SAIF, Chandigarh; SAIF, Shillong; SAIF, Nagpur; SAIF, New Delhi; SICART, V.Vidyanagar
	<ul style="list-style-type: none"> • Electron Probe Micro Analyzer 	EPMA Facility, Roorkee
	<ul style="list-style-type: none"> • Image Analysis System 	SAIF, Mumbai; SAIF, Shillong

S.No.	Areas/Instruments	Available at
5.	Mass Spectrometry	
	<ul style="list-style-type: none"> Mass Spectrometer (GC-MS, GC-LC-MS, MS/MS; MALDI-TOF) 	SAIF, Chennai; SAIF, Mumbai; SAIF, Lucknow; SAIF, Chandigarh; SAIF, Shillong; SICART, V.Vidyanagar; SAIF, Kochi
6.	Chromatography	
	<ul style="list-style-type: none"> GC/GLC 	SAIF, Lucknow; SICART, V.Vidyanagar
	<ul style="list-style-type: none"> HPLC 	SAIF, Chandigarh; SICART, V.Vidyanagar
	<ul style="list-style-type: none"> Gel Permeation Chromatograph 	SICART, V.Vidyanagar
7.	Organic Elemental Analysis	
	<ul style="list-style-type: none"> CHN Elemental Analyzer 	SAIF, Lucknow; SAIF, Chandigarh
	<ul style="list-style-type: none"> CHNSO Elemental Analyzer 	SAIF, Mumbai; SAIF, Lucknow; SAIF, Shillong; SICART, V.Vidyanagar; SAIF, Kochi
8.	Thermal Analysis System	
	<ul style="list-style-type: none"> DTA/TGA/DSC 	SAIF, Chennai; SAIF, Mumbai; SAIF, Nagpur; SICART, V.Vidyanagar; SAIF, Kochi
9.	Other Areas/Facilities	
	<ul style="list-style-type: none"> Vibrating Sample Magnetometer 	SAIF, Chennai
	<ul style="list-style-type: none"> Universal Testing Machine 	SICART, V.Vidyanagar
	<ul style="list-style-type: none"> Micro Hardness Tester 	SICART, V.Vidyanagar
	<ul style="list-style-type: none"> Mercury Porosimeter 	SICART, V.Vidyanagar
	<ul style="list-style-type: none"> Laser Flash Thermal Conductivity Meter 	SICART, V.Vidyanagar
	<ul style="list-style-type: none"> Liquid Nitrogen Plant 	SAIF, Lucknow; SAIF, Chandigarh; SAIF, Shillong; SICART, V.Vidyanagar
	<ul style="list-style-type: none"> Deionized Water Plant 	SICART, V.Vidyanagar
	<ul style="list-style-type: none"> Usual sample preparation accessories associated with available instruments 	Available at all the SAIFs