

AREA WISE 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, Kolkata; 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; SAIF, Kolkata
	<ul style="list-style-type: none"> Laser Raman Spectrometer 	SAIF, Mumbai
	<ul style="list-style-type: none"> Laser Particle Size Analyzer 	SICART, V.Vidyanagar
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; SAIF, Kolkata
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
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, Kolkata; 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, Kolkata; SAIF, Lucknow; SAIF, Chandigarh; SAIF, Shillong; SICART, V.Vidyanagar; SAIF, Kochi
6.	Chromatography	
	<ul style="list-style-type: none"> GC/GLC 	SAIF, Kolkata; SAIF, Lucknow; SICART, V.Vidyanagar
	<ul style="list-style-type: none"> HPLC 	SAIF, Kolkata; 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