

DAV College, Chandigarh, proudly stands as a beacon of academic excellence and research innovation. DAV Managing Committee along with the fundings of Department of Science and Technology, Govt. of India has started an Instrumentation Lab in College Campus.

This prestigious sponsorship recognizes the college's unwavering dedication to fostering scientific research, innovation, and high-quality education. With the aid of this funding, our departments, particularly in the sciences are now equipped with cutting-edge instruments, upgraded laboratories, and modern research infrastructure, enabling students and faculty to explore, discover, and innovate like never before.



### Central Instrumentation Facility (CIL)

The establishment of the Central Instrumentation Facility (CIL) under the DST-FIST program has significantly enhanced our research capabilities. This facility houses a suite of sophisticated instruments that support advanced research and training across various Scientific disciplines.

### Key Instruments Include:

**Facilities**

 <p>HPLC System HPLC System (Waters) with C-8, C-18 columns</p>	 <p>Electrochemical Workstation Cyclic Voltammetry, Impedance Spectroscopy, etc. with Pt-electrode and glassy carbon electrode.</p>	 <p>Gas Chromatograph Perkin Elmer GC with PDA detector</p>
 <p>Shimadzu Fluorescence Spectrometer</p>	 <p>Inverted Microscope Motorized inverted microscope with fluorescence and make Leica</p>	 <p>FT-IR (Bruker) For solid and liquid samples</p>

Besides these, UV-Vis, spectrometer, Elisa reader and ultrapure water purification systems are also available.

### Facilities and Opportunities:

- **Sample Analysis:** External and internal sample testing services are available through the CIL.
- **Summer Internships:** The college offers structured internships that provide **hands-on training** on the CIL instruments, enhancing practical skills and research competence.
- **Research Publications:** The work conducted through the CIL has contributed to numerous peer-reviewed publications, showcasing the active research culture of the college.

For more details on our research initiatives and facilities, please visit our CIL Page  
<https://www.davchd.ac.in/davcil>

### DAV CIL Charges

Lab Visit per group	INR
(One group of Max. 10 Students)	500/-
	(per Instrument)
HPLC System	INR
Educational Institutes	400/-
Research laboratories	800/-
Industries	1500/-
<b>(Consumables like syringe, solvents are not included)</b>	(Per injection)
FT-IR	INR
Educational Institutes	200/-
Research laboratories	300/-
Industries	500/-
Inverted Microscope	INR
Educational Institutes	30/- (per image)
Research laboratories	100/-
Industries	180/-
Electrochemical Workstation	INR (per hour)
Educational Institutes	750/-
Research laboratories	1500/-
Industries	3000/-
Gradient PCR	INR
Educational Institutes	200/-*
Research laboratories	400/-*
Industries	1000/-*
	* (per sample)
Bio spectrometer @ Kinetic	INR
Educational Institutes	150/-
Research laboratories	400/-
Industries	750/-
	(Per Sample)
Digital Polarimeter	INR
Educational Institutes	50/-
Research laboratories	100/-
Industries	150/-
	(Per Sample)
Gas Chromatograph	INR
Educational Institutes	600/-
Research laboratories	1000/-
Industries	2000/-

<b>(Charges may vary as per the run time)</b>	(Per Injection)
UV-Vis. Spectrometer	INR
Educational Institutes	90/-
Research laboratories	200/-
Industries	300/-
	(per sample)
Fluorescence Spectrometer	INR
Educational Institutes	100/-
Research laboratories	300/-
Industries	450/-
	(per sample)
<b>Mode of Payment</b>	
Deposit cash or Cheque at Cash counter	
* For lab visit, kindly upload a duly signed application from your institute head.	