



PANDIT DEENDAYAL ENERGY UNIVERSITY

Formerly known as

PANDIT DEENDAYAL PETROLEUM UNIVERSITY

Raisan, Gandhinagar – 382 007, Gujarat, INDIA

Fax : +91.79.2327.5030 Website : www.pdpu.ac.in

Recognized by the University Grants Commission u/s 2(f)

NAAC Accredited 'A++' Grade (CGPA 3.52 out of 4.00)

Sophisticated Analytical Instrumentation Facility (SAIF)

Department of Chemistry

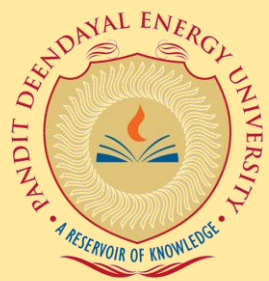
Pandit Deendayal Energy University,

Gandhinagar, Gujarat, India - 382421

Charges for External Users (Excluding 18% GST):

1. Nuclear Magnetic Resonance (400 MHz NMR) (JEOL):

Instruments	Experiments	For Students (External Academic)	Industry & Pvt. Organization
NMR* (400 MHz)	¹H Per Measurement	500/-	900/-
* Additional Deuterated Solvent Charges: CDCl ₃ , 100/- per sample, D ₂ O/DMSO-d ₆ , 200/-per sample. All other solvents 300/-per sample. Charges: CDCl ₃ , 100/- per sample, D ₂ O/DMSO-d ₆ , 300/-per sample. All other solvents 300/-per sample (for each additional hour)	¹³C • For 1 st hr • +500/- (for each additional hour)	900/-	1000/-
	DEPT • For 1 st hr • +500/- (for each additional hour)	600/-	800/-
	2D-COSY, HSQC, HMQC • For 1 st hr • +1000/- (for each additional hour)	2000/-	3500/-
	2D-NOESY/ ROESY • For 1 st hr • +1000/- (for each additional hour)	2000/-	3500/-
	2D-DQFCOSY, HMBC, TOCSY • For 1 st hr • +1000/- (for each additional hour)	2000/-	3500/-
	Other Nuclei (¹⁹ F, ¹¹ B, ³¹ P etc.) • For 1 st hr • +1000/- (for each additional hour)	1000/-	2000/-



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Exclusion Criteria:

- Highly viscous samples, Ceramics, and Glass particles.
- Paramagnetic samples, Ferromagnetic samples & Metal complex (concentration of more than 5 μ M).
- Samples with precipitates in solvent
- Samples exhibiting heterogeneity with a solvent layer
- Samples containing oily drops

Note: Please ensure that samples submitted for analysis do not fall into any of the above categories to ensure accurate and reliable results. **No payment will be refunded if the sample is not dissolved in your choice of solvent.**

2. GC:

Instruments	Experiments	For Students (External Academic)	Industry & Pvt. Organization
GC (Shimadzu)	Per Sample	600/-	1200/-

3. XRD (Rigaku):

Instruments*	Experiments	For Students (External Academic)	Industry & Pvt. Organization
XRD (Powder) (Rigaku)	Powder	700/-	2000/- (raw data per sample- only Diffractogram) 5000/- per sample (Diffractogram + interpretation of data)
	Thin-film	700/-	

* **For Sponsored Projects:** Sponsored Project charges will be decided as per the requirements of the project viz., objectives & outcomes and magnitude of the project which requires detailed investigation and substantial intellectual input on a case to case basis.

4. FT IR (Perkin Elmer) and UV-Vis:

Instruments	Experiments	For Students (External Academic)	Industry & Pvt. Organization
FT IR (Perkin- Elmer)	Per spectra	200/-	500/-
		200/-	
UV-VIS	Lab India	200/-	500/-
	Perkin-Elmer	200/-	



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5. High Performance Liquid Chromatography (HPLC):

Instruments	Experiments	For Students (External Academic)	Industry & Pvt. Organization
HPLC* (Shimadzu)	Per sample	500/-	1500/-

*solvent and column to be procured by user, the charge is per sample @ 2 hours' time slot

6. Chromatotron (T-squared):

Instruments	Experiments	For Students (External Academic)	Industry & Pvt. Organization
Chromatotron (T-squared)		500/-	1000/-

7. Tablet dissolution test apparatus (Lab India)

Instruments	Experiments	For Students (External Academic)	Industry & Pvt. Organization
Tablet dissolution test apparatus	Per Hour	200/-	500/-

8. Electro Chemical Work Station (Auto-Lab & CH instrument)

Instruments	Experiments	For Students (External Academic)	Industry & Pvt. Organization
Electro Chemical Work Station (Auto-Lab & CH Instrument)	IV	200/-	400/-
	CV	200/-	400/-
	Impedance	500/-	1000/-
	Additional Tech.	400/-	800/-

*Method provided by client