



Hemchandracharya North Gujarat University

PATAN- 384 265 (N.G.)

Accredited by NAAC with "A" Grade (CGPA 3.02)

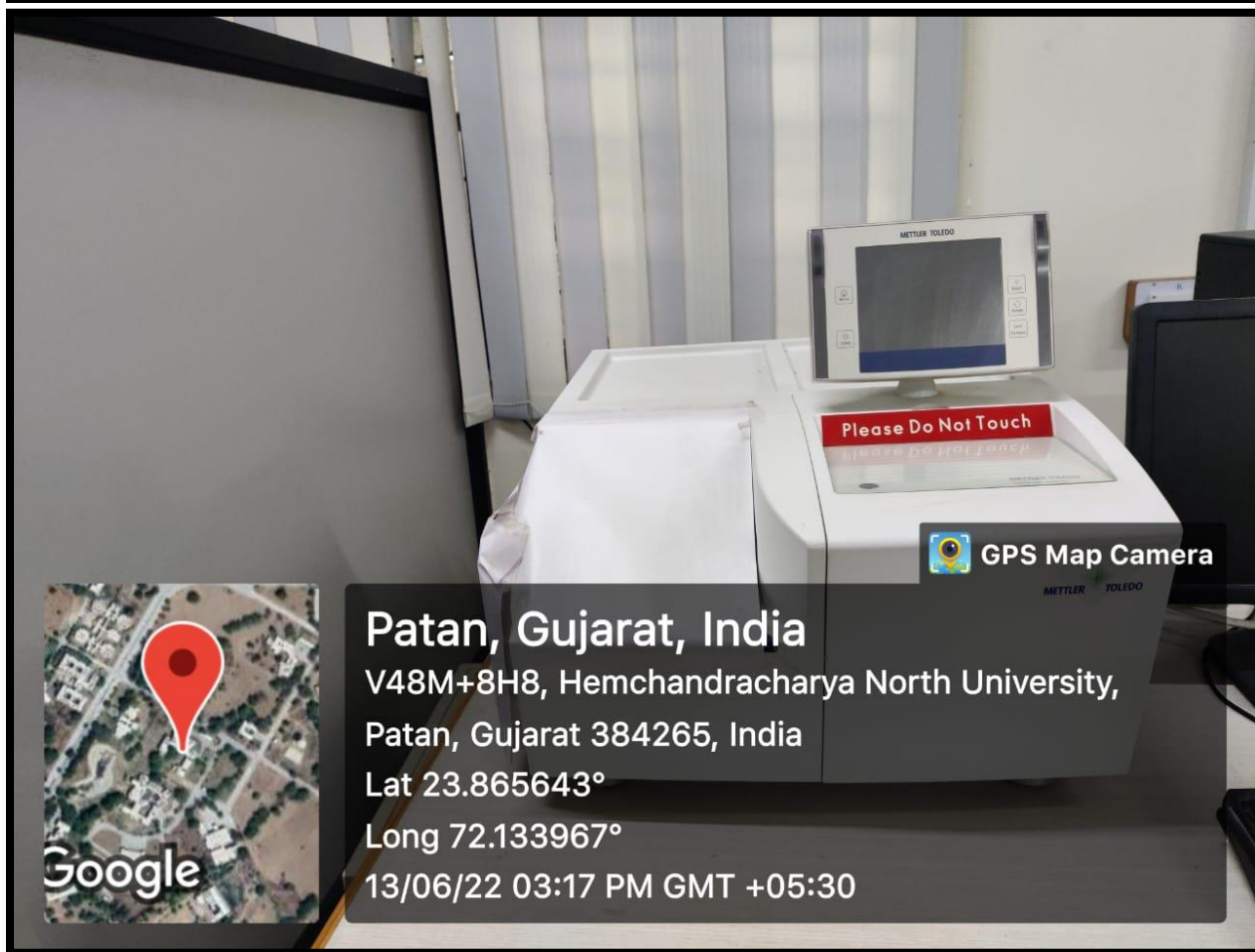
3.1.5 Instrumentation and Databases available in the campus of HNGU

Sr. No	Name of Instrument/ Database	Model Name	Year of Purchase	Location in Department	Application
1	FT-IR	Bruker	2012	Department of Chemistry	To analyze functional groups present in the compound
2	X-Ray Diffraction System	MiliFlex600	2017	Department of Chemistry	To analyze cristanility of sample
3	UV-Visible-Spectrophotometer	Thermo Scientific	2012	Department of Chemistry	To analyze the absorbance of sample
4	High Performance Liquid Chromatography	Prominence LPGE SIL	2017	Department of Chemistry	To analyze purity of sample
5	UV-Visible-Spectrophotometer	UV-visible spectrophotometer - 117	2017	Department of Chemistry	To analyze the absorbance of sample
6	High Performance Microwave Synthesizer	Monowave 400	2017	Department of Chemistry	To synthesize the compounds under microwave irradiation
7	Gas Chromatography	430-GC	2012	Department of Chemistry	To analyze the purity of particular substance, or separating the different components of mixture.
8	TGA/DSC	Metteler Toledo	2012	Department of Chemistry	To analyze thermal stability of polymer sample
9	Elemental Analyzer [CHNS]	Vario Micro Cube	2012	Department of Chemistry	To analyze the percentage of C,H,N,S present in sample
10	Density and Sound Velocity Meter	DSA 5000M	2012	Department of Chemistry	To determines the concentration of two- and three-component solutions using the most accurate density results in the market, measured with the Pulsed Excitation Method.
11	Atomic Absorption Spectrophotometer	AA8000	2017	Department of Chemistry	To analyze the different metal and its concentration from the sample
12	High Speed Refrigerated Centrifuge	Kubota	2017	Department of Chemistry	To settle down nanoparticle from the sample at high speed with cooling
13	Water Purification System	EVOQUA	2017	Department of Chemistry	To purify water
14	Refractrometer	LABMAN	2017	Department of Chemistry	To determine the concentration of a particular substance in a liquid solution.
15	Capitaline Software Program	Center for Monitoring Indian Economy Pvt.Ltd.	2016 Renewal till 2023	Department of MBA	Research Database Software
16	Prowess for Interactive Querying(IP)	Center for Monitoring Indian Economy Pvt.Ltd.	2016 Renewal till 2023	Department of MBA	Research Database Software



Gbe
Vc. Registrar
Hemchandracharya
North Gujarat University, Patan

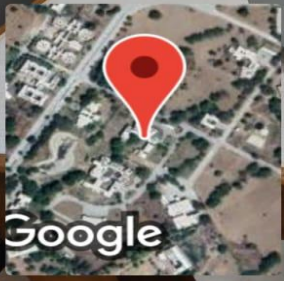
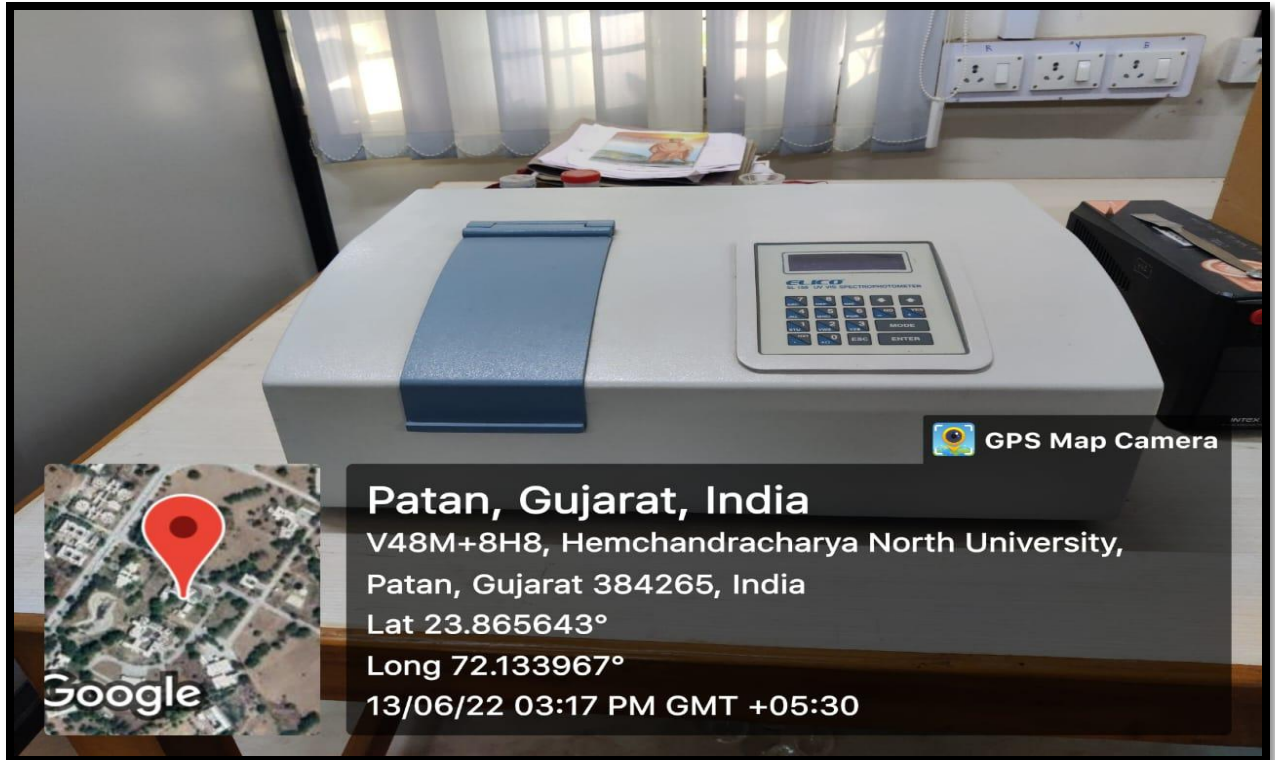
CIMF Cell geo-tagged photographs



G/S
Vc. Registrar
Hemchandracharya
North Gujarat University, Patan



G/S
Vc. Registrar
Hemchandracharya
North Gujarat University, Patan



Patan, Gujarat, India

V48M+8H8, Hemchandracharya North University,

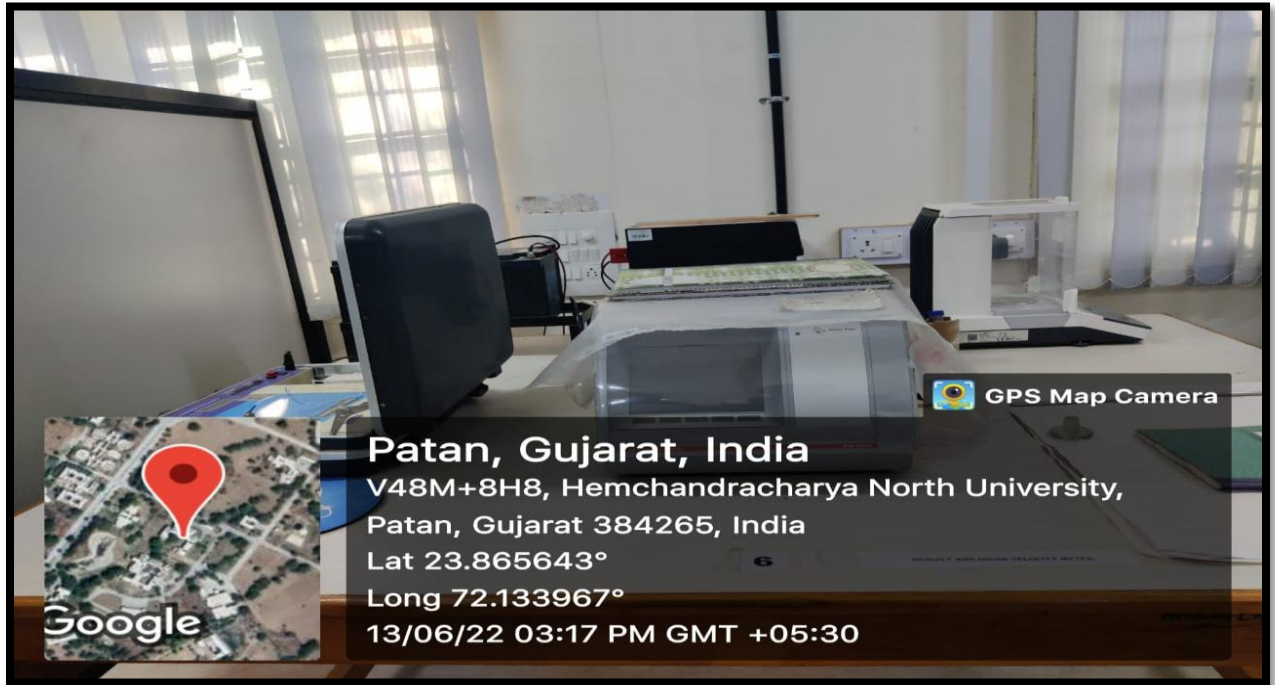
Patan, Gujarat 384265, India

Lat 23.865643°

Long 72.133967°

13/06/22 03:17 PM GMT +05:30

 GPS Map Camera



Patan, Gujarat, India

V48M+8H8, Hemchandracharya North University,

Patan, Gujarat 384265, India

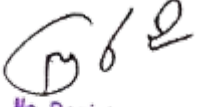
Lat 23.865643°

Long 72.133967°

13/06/22 03:17 PM GMT +05:30

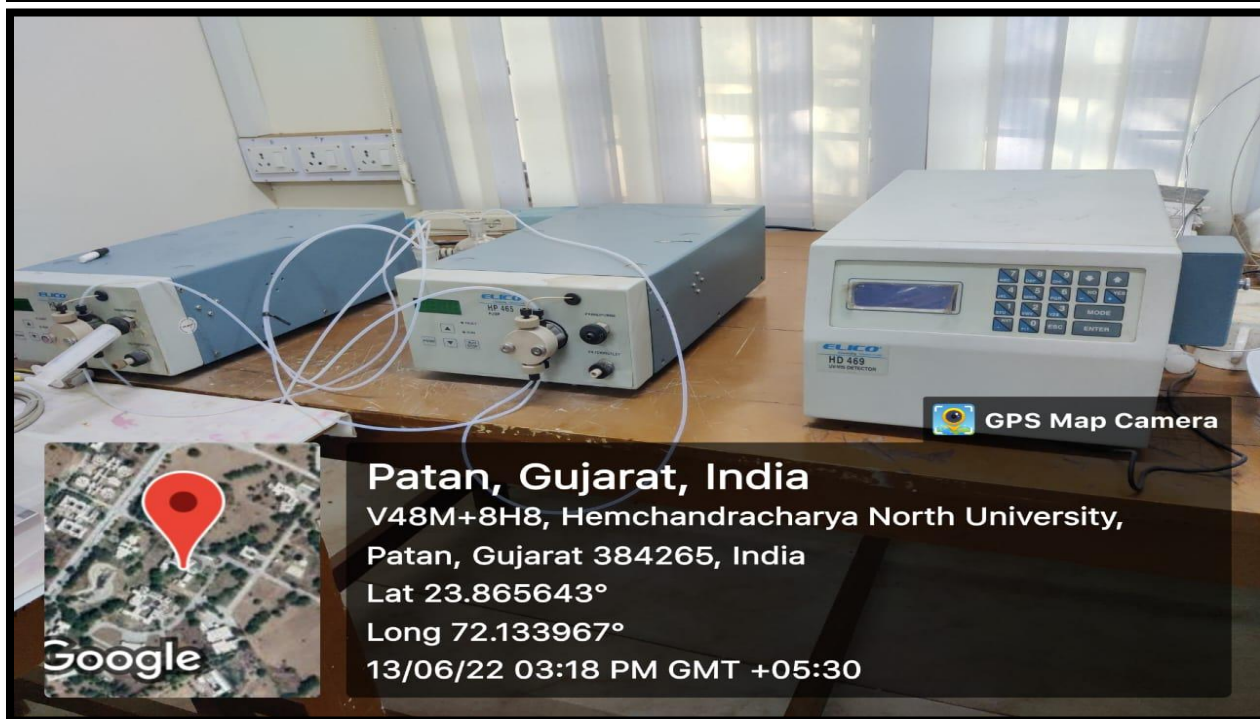
 GPS Map Camera




Vc. Registrar
Hemchandracharya
North Gujarat University, Patan



Patan, Gujarat, India
V48M+8H8, Hemchandracharya North
University, Patan, Gujarat 384265, India
Lat 23.865643°
Long 72.133967°
13/06/22 03:18 PM GMT +05:30



Patan, Gujarat, India
V48M+8H8, Hemchandracharya North University,
Patan, Gujarat 384265, India
Lat 23.865643°
Long 72.133967°
13/06/22 03:18 PM GMT +05:30



G/S
Vc. Registrar
Hemchandracharya
North Gujarat University, Patan