



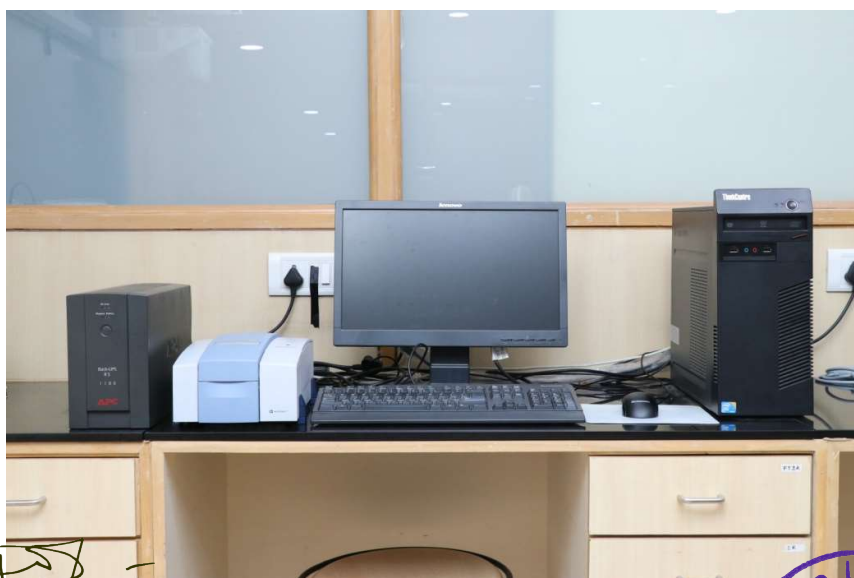
3.1.1	The institution's Research facilities are frequently updated and there are well defined policy for promotion of research which is uploaded on the institutional website and implemented
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Central Instrument Facility (CIF)

Parallel Synthesizer (6 Reaction Stations)



Infrared Spectrometer





Refractometer



Karl Fischer Titrator





Weighing Balance (1.0 mg to 220 gm)



Polarimeter





Hydraulic Pellet Press



Microwave Digestion System





UV-VIS Spectrophotometer



Digital Inverted Microscope (04 No.)





Binocular Microscope



Visible Spectrophotometer

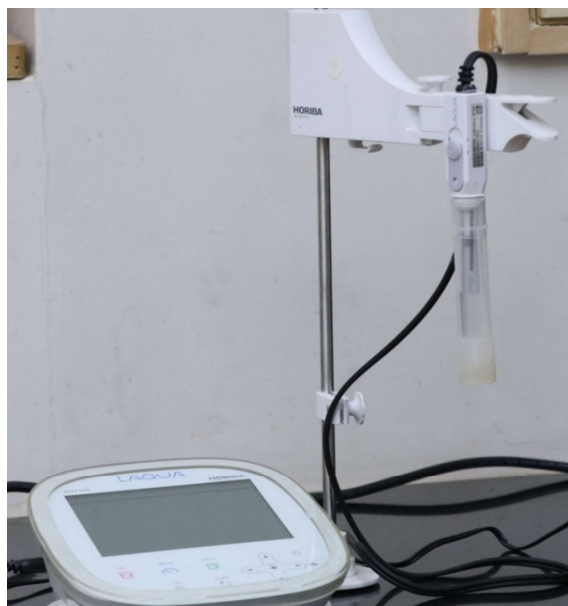




High Performance Liquid Chromatography (HPLC) + Fraction Collector



Digital pH Meter





Cooling Centrifuge



High Speed Cooling Centrifuge

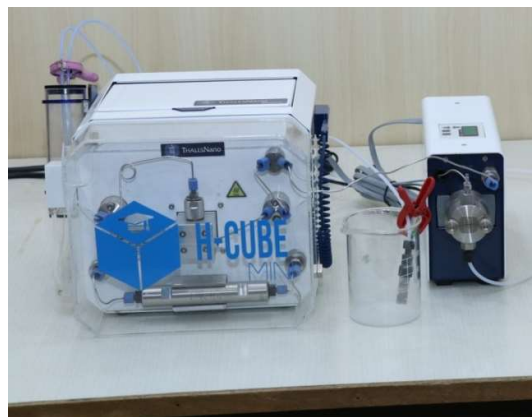




Probe Sonicator



Mini Hydrogenator





Gas Chromatography Mass Spectroscopy(GCMS/FID)



Microwave Plasma Atomic Emission Spectroscopy (MPAES) with N2 Generator





Gel Documentation System



Ultra Refrigerator(-80 °C)





Vacuum Oven



Freeze Dryer





Micro Centrifuge



Tissue Lyser





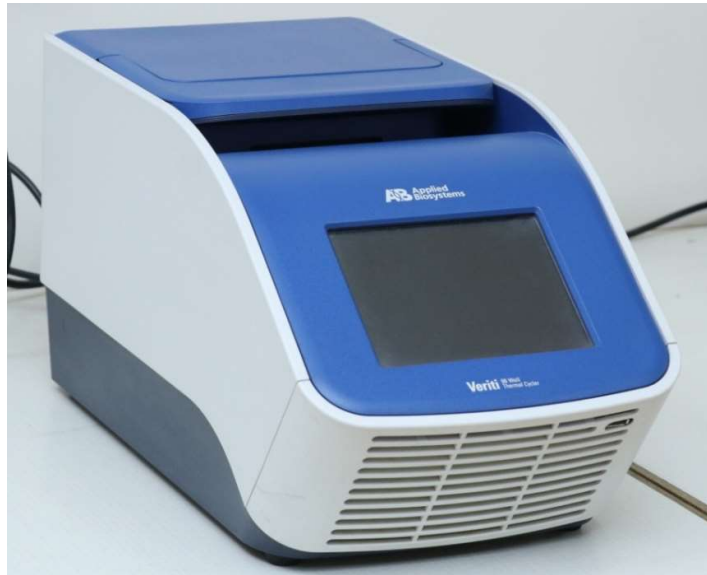
QIAxcel (Capillary Electrophoresis)



QIAxpert (Microfluidic UV/VIS spectrophotometer)



Thermal Cycler



Rotor Gene-Q (Real Time Thermal Cycler)





Flash Chromatography + TLC Image Reader



Microplate Washer





Air Purification System



Multi Parameter Analysis Test Kit





Portable Dissolve Oxygen Meter



Portable pH and Temperature Meter





Activity Report

Title of Activity	Demonstrative Training of Sophisticated Analytical Instruments
Date	11 October, 2021
Venue	Central Instrumentation Facility
Activity Coordinators / Resource Persons	Dr. Pankajkumar B. Nariya Dr. Satishkumar D. Tala Dr. Pratik A. Ambasana Dr. Chintan M. Pandit Dr. Anilkumar S. Patel Dr. Mahesh M. Savant
Total No. of Participants	65
Details of Participants	Students of M.Sc. Chemistry, Semester-I

Department of Chemistry, Faculty of Sciences, Atmiya University, Rajkot, organized a Demonstrative Training of Sophisticated Analytical Instruments on 11th October, 2021 - Monday.

The training was started with prayer at 10.00 AM, and brief introduction about the programme by Dr. P. B. Nariya. Technical sessions were conducted by Dr. P. A. Ambasana, Dr. A. S. Patel, and Dr. M. M. Savant about practical & theoretical background of all sophisticated instrumentation techniques. After the lunch break, students were allotted in small groups (8 to 10 participants) and were guided through demonstrative training of sophisticated analytical instruments including HPLC, GC-MS, MPAES, H-Cube mini (Hydrogenator), Parallel Synthesizer, IR Spectrophotometer, UV-Vis Spectrophotometer, Analytical Balances, Lyophilizer, etc.

The training concluded at 5.00 pm with vote of thanks by Dr. S. D. Tala.



Activity Report





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