



3.3.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS) including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of technology/knowledge and the outcomes of the same are evident

Central Instrument Facility (CIF)

Parallel Synthesizer (6 Reaction Stations)



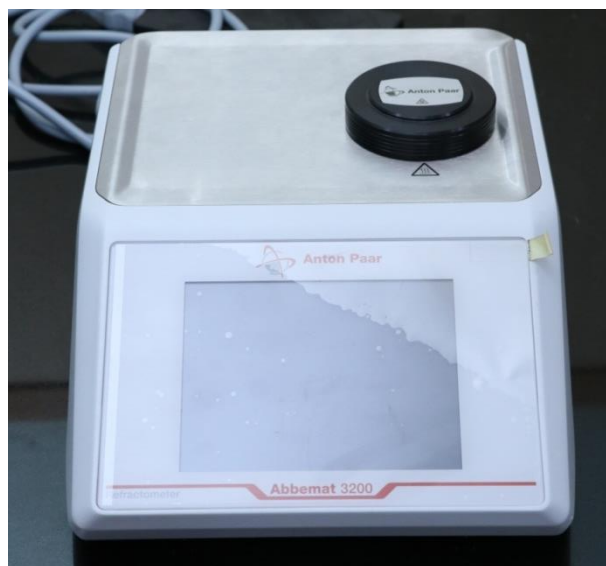
Infrared Spectrometer

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Refractometer



Karl Fischer Titrator

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Weighing Balance (1.0 mg to 220 gm)



Polarimeter



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Hydraulic Pellet Press



Microwave Digestion System



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UV-VIS Spectrophotometer



Digital Inverted Microscope (04 No.)



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Binocular Microscope



Visible Spectrophotometer



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High Performance Liquid Chromatography (HPLC) + Fraction Collector



Digital pH Mater



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Cooling Centrifuge



High Speed Cooling Centrifuge



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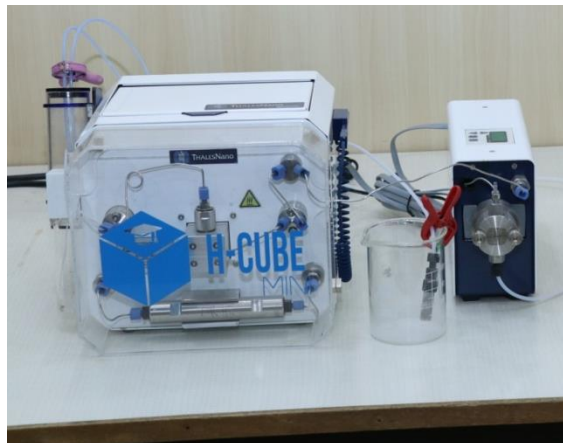




Probe Sonicator



Mini Hydrogenator



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Gas Chromatography Mass Spectroscopy(GCMS/FID)



Microwave Plasma Atomic Emission Spectroscopy (MPAES) with N2 Generator



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Gel Documentation System



Ultra Refrigerator(-80 °C)



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Vacuum Oven



Freeze Dryer



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Micro Centrifuge



Tissue Lyser



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QIAxcel (Capillary Electrophoresis)



QIAxpert (Microfluidic UV/VIS spectrophotometer)



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Thermal Cycler





Rotor Gene-Q (Real Time Thermal Cycler)



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Flash Chromatography + TLC Image Reader



Microplate Washer



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Air Purification System



Multi Parameter Analysis Test Kit



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Portable Dissolve Oxygen Meter



Portable pH and Temperature Meter



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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.

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