



**3. Central Instrumentation Centre**









**Central Instrumentation facilities - Science Building**

<p><b>Parallel Synthesizer (6 Reaction Stations)</b></p> A parallel synthesizer with 6 reaction stations, featuring a multi-necked round-bottom flask on a magnetic stirrer, with various reagents and tubes connected.	<p><b>Parallel Synthesizer (12 Reaction Stations)</b></p> A parallel synthesizer with 12 reaction stations, similar to the 6-station model but with a larger capacity for simultaneous reactions.	<p><b>Infrared Spectrophotometer</b></p> An infrared spectrophotometer used for identifying chemical compounds based on their absorption spectra.
<p><b>Refractometer</b></p> A refractometer used to measure the refractive index of liquids, which is useful for identifying and purifying substances.	<p><b>Karl Fischer Titrator</b></p> A Karl Fischer titrator used for the precise determination of water content in various samples.	<p><b>Weighing Balance (1.0 mg)</b></p> A high-precision analytical weighing balance capable of measuring down to 1.0 milligram.
<p><b>Polarimeter</b></p> A polarimeter used to measure the optical activity of chiral compounds, which is a key property in organic chemistry.	<p><b>Hydraulic Pellet Press</b></p> A hydraulic pellet press used to compress powdered samples into pellets for analysis in techniques like X-ray diffraction.	<p><b>Microwave Digestion System</b></p> A microwave digestion system used for the rapid and efficient digestion of solid samples for elemental analysis.
<p><b>UV-VIS Spectrophotometer</b></p> A UV-VIS spectrophotometer used to measure the absorbance of samples in the ultraviolet and visible light regions.	<p><b>Digital microscope</b></p> A digital microscope that provides high-magnification images of small samples, which can be viewed on a computer screen.	<p><b>Microscope</b></p> A standard optical microscope used for observing and studying the morphology of biological and material samples.



**Visible Spectrophotometer**



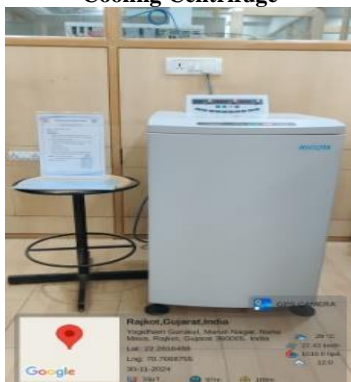
**HPLC**



**Digital pH Meter**



**Cooling Centrifuge**



**Ultrasonicator**



**Mini Hydrogenator**



**Ultralow Temperature Freezer (-80°C)**



**Vacuum oven**



**Lyophilizer (Freeze Dryer)**



**Centrifuge**

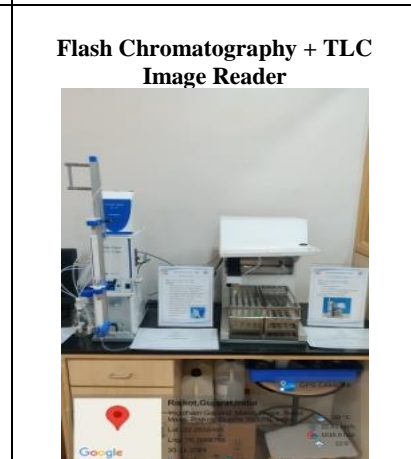
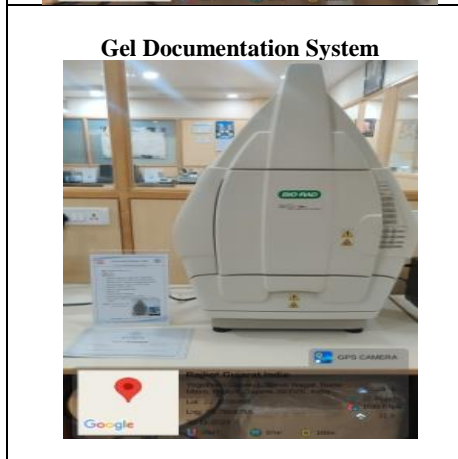
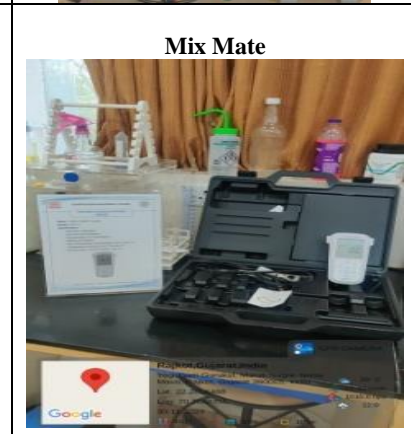
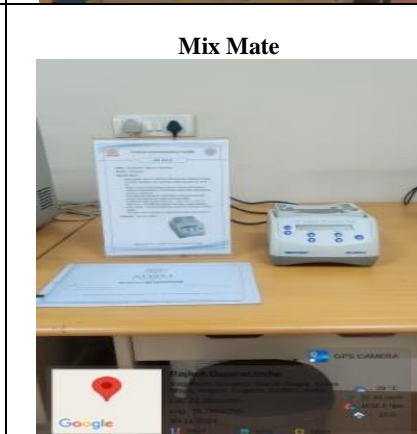
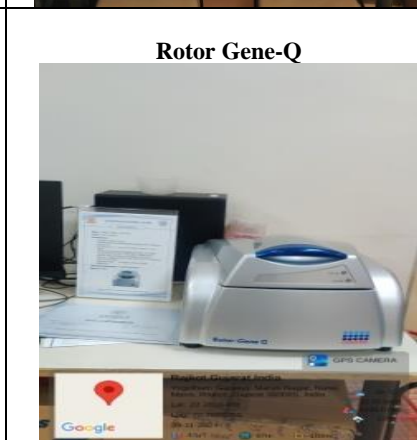
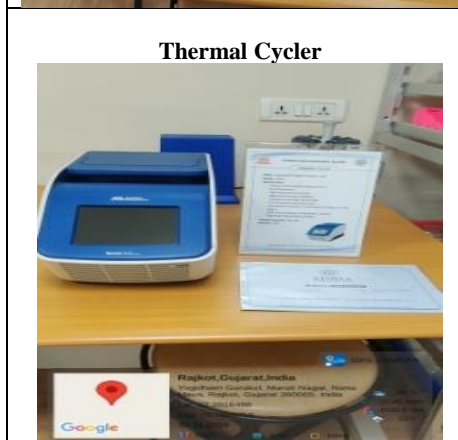
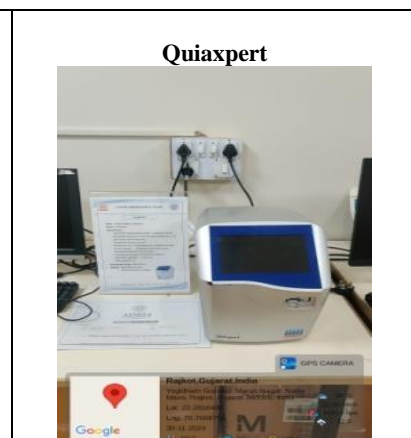
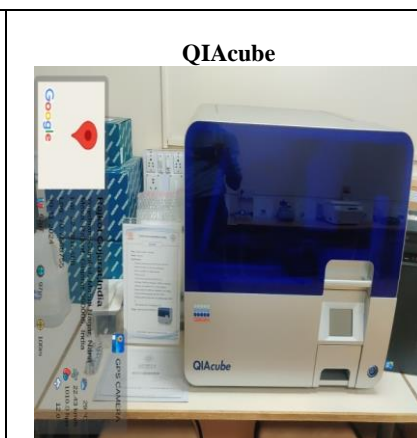
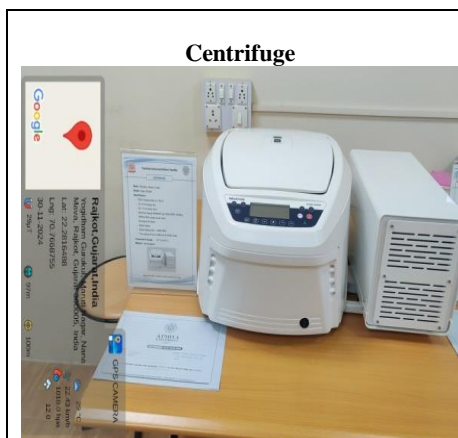


**Tissuelyser**



**Incubator Shaker**







**Portable pH & Temperature Meter**



**Air Purification system**



**Magnetic Stirrer**



**Inverted Microscope**



**Multi Parameter Analysis Test Kit**



**Portable Dissolve Oxygen Meter**





**Main Building (Central Instrumentation facility)**

**HPLC**



**UV – visible Spectrophoto meter**



**Digital Spectrophoto meter**



**Disintegration Apparatus**



**Rotary Tablet Punching Machine**



**Liquid Filling machine**



**Digital Trinocular Microscope**



**Digital Binocular Microscope**



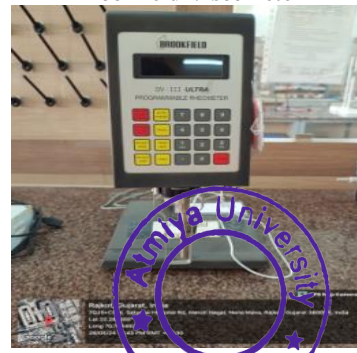
**Soxhlet Extraction Apparatus**



**Digital Ultrasonic cleaner**



**Brookfield Viscometer**



**Visible Spectrophoto meter**







**V- cone Blender**



**Distillation Assembly**



**Electrophoresis**



**Centrifuge**



**Rotarod Apparatus**



**Vacuum Oven**



**Photoactometer**



**Electric Organ Bath**



**Microtome**



**Digital Nephlo Turbidity meter**



**Flame Photometer**



**Moisture balance**





**Photofluorometer**



**Conductivity meter**



**Rotary Shaker**



**Polari meter**



**Auto Karl Fischer Titrator**



**Digital Bulk Density Apparatus**



**Gel Doc Apparatus**



**Ampoule Washing machine**



**Friability tester**



**Ampoule Sealing And Filling machine**



**Tablet Coating Pan**



**B.O.D. Incubator**



**Registrar  
Atmiya University  
Rajkot**

