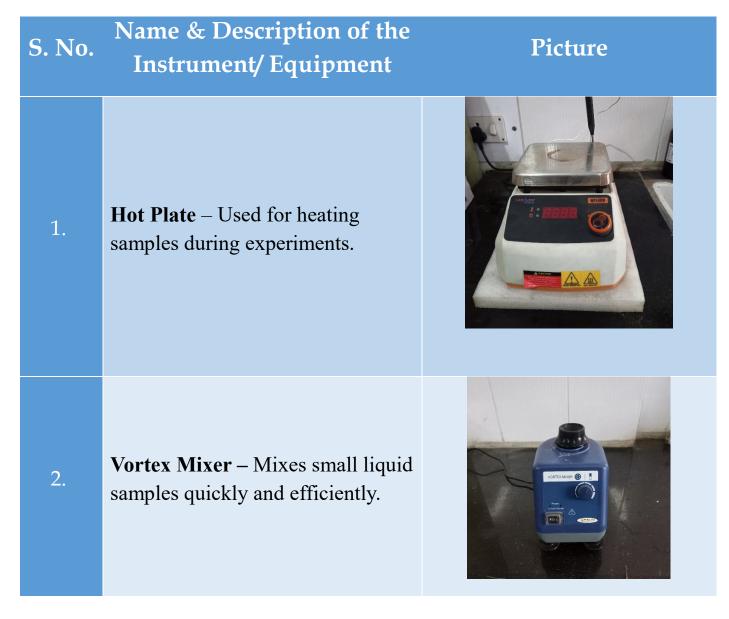


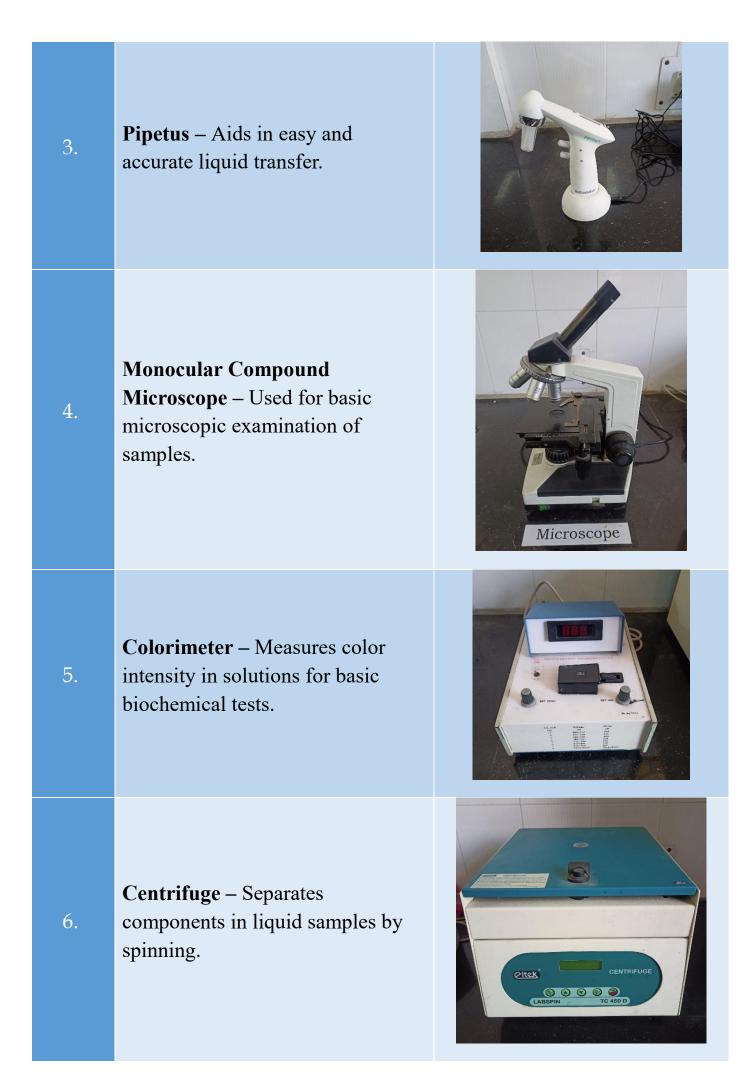
Institute of Home Science

Hazratbal Srinagar-190006-(Kashmir) J&K [NAAC Accredited Grade A+].

Nutritional Biochemistry Lab - Institute of Home Science

The **Nutritional Biochemistry Lab** is equipped for basic qualitative and quantitative analysis related to nutrition and health sciences. It provides a hands-on learning environment for students and researchers to conduct fundamental biochemical tests, including macronutrient and micronutrient analysis, pH measurement, and sample preparation. The lab supports practical demonstrations, routine experiments, and essential research work required for academic learning and applied nutrition studies.







10.	Triple Beam Balance – Measures the mass of solids accurately.	Triple Beam Balance
11.	Water Bath – Maintains samples at a constant temperature during experiments.	
12.	Double Distillation Apparatus – Produces purified water for laboratory use.	
13.	Top Load Balance – A digital balance for general weighing needs.	

14.	Magnetic Stirrer – Mixes liquid samples efficiently with a rotating magnetic field.	
15.	UV-Vis Spectrophotometer – Measures absorbance for basic biochemical estimations.	Spectrophotometer
16.	Digital pH Meter – Determines the acidity or alkalinity of liquids.	
17.	Research Centrifuge – A high- speed centrifuge for more refined sample separation.	RESEARCH COMPUFUSE

18.	Skin Fold Caliper – Measures skinfold thickness to estimate body fat percentage.	
19.	Eppendorf Micropipette – Allows precise measurement and transfer of small liquid volumes.	
20.	Refractometer – Used for measuring the concentration of solutions.	
21.	Bottle Top Dispenser – Dispenses liquids accurately from storage bottles.	

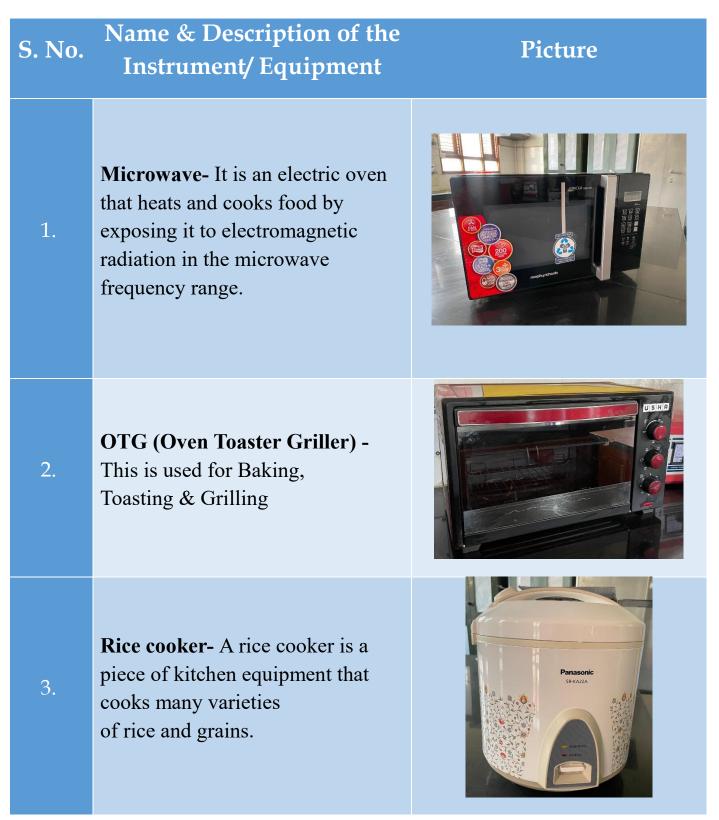




29.	Muffle Furnace – Used for heating and ashing samples at high temperatures.	
30.	Hot Air Oven – (Duplicate Entry) Used for sterilization and drying.	For Air Oven
31.	Infantometer – Measures the length of infants for growth studies.	

Cookery Lab – Institute of Home Science

The **Cookery Lab** serves as a practical learning space for students to develop fundamental culinary skills and understand the principles of food preparation, nutrition, and dietetics. Equipped with essential kitchen appliances and tools, the lab facilitates hands-on training in cooking techniques, recipe formulation, food preservation, and meal planning. It provides an interactive environment for conducting basic experiments on food science, sensory evaluation, and dietary modifications, supporting both academic and research activities in the field of nutrition and home science.





Burner Gas Stove - A four burner gas stoves are a kitchen appliance with 4 separate burners designed to allow simultaneous cooking in 4 pots or pans.





8.

Induction Heater: induction allows for fast cooking

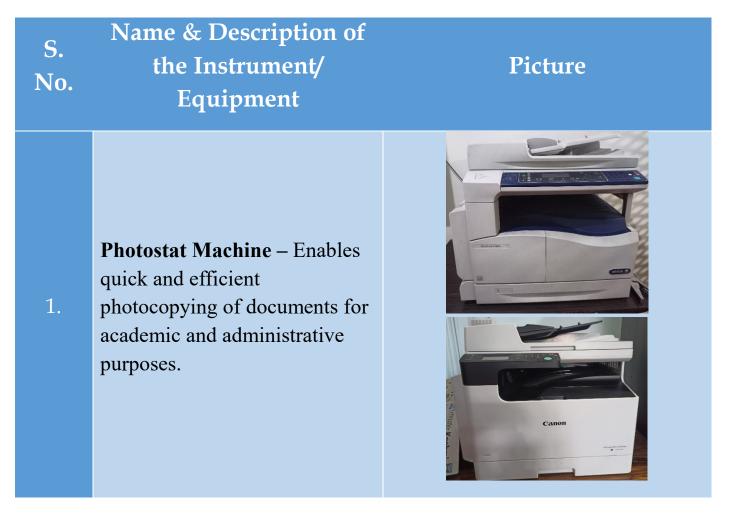
Refrigerator: Refrigeration is an essential food storage technique. The low temperature reduces the reproduction rate of bacteria so the refrigerator lowers the rate of spoilage.





General Equipment for the Smooth Functioning of the Institute of Home Science

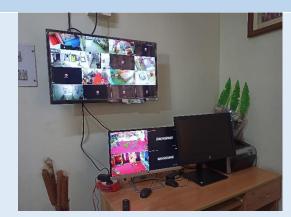
The **Institute of Home Science** is equipped with various essential devices and systems that ensure the smooth operation of academic, research, and administrative activities. These facilities support documentation, digital learning, security, and overall efficiency in the institute. Additionally, the **Day Care Center** within the institute is well-furnished with appliances that help maintain a comfortable, hygienic, and child-friendly environment.



Printers – Used for printing essential documents, reports, and study materials.

Systems and PCs – Facilitate
digital learning, research work,
and office tasks.

CCTV Monitor – Ensures security by providing surveillance across the institute.



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HD Camera for Conference – Used for virtual meetings, webinars, and high-quality video recording.



Speakers and Mic Sets – Support audio-visual presentations, seminars, and conferences.

Digital Whiteboard – Enhances interactive learning through multimedia teaching tools.

Gensets (15 kV) – Provides backup power to ensure uninterrupted operations during electricity outages.

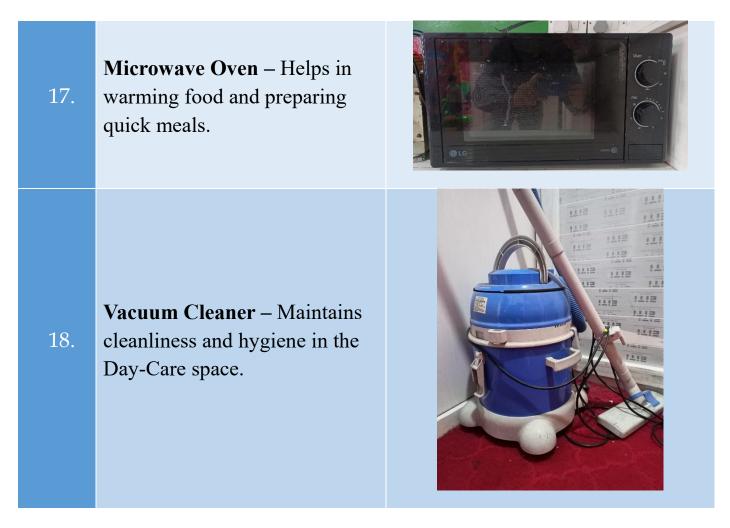




5.

9.	Servo Stabilizer – Regulates voltage fluctuations to protect electronic equipment.	
10.	Wall Mount Heater – Provides localized heating for maintaining warmth in workspaces.	Million
11.	Gas Heaters – Ensures additional heating, especially in cold weather conditions	
Equipment in the Day Care Center		
12.	Air Conditioner – Maintains a comfortable indoor temperature for children and staff.	

13.	Air Purifier – Ensures clean and fresh air, promoting a healthy environment.	En series Internet Internet Internet
14.	Water Purifier – Provides safe drinking water for children and caregivers.	
15.	Refrigerator – Used for storing food, milk, and perishable items safely.	
16.	LCD/TV – Supports educational and recreational activities for children.	



This compilation of the equipment and instruments available at the **Institute of Home Science** underscores our commitment to maintaining a well-equipped and functional environment for academic, research, and practical learning. We aim to continuously enhance our facilities to support the growth and development of our students and staff.

Director

Prof. Hummera Azim