

**Key Indicator - 4.1 Physical Facilities****4.1.1 The Institution has adequate infrastructure and other facilities for**

- a. teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- b. ICT – enabled facilities such as smart class, LMS etc.**
- c. Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc.**

Laboratories

Laboratories play a crucial role in nurturing research skills among students by providing hands-on experiences that stimulate curiosity, promote inquiry-based learning, and instil a passion for discovery with the proper utilization of the latest equipment. Through active engagement in laboratory activities, students develop the skills and competencies necessary for success in academic pursuits and future careers in research and innovation.

S.No	Name of the Department	No of Labs	Name of the Lab	Carpet Area in sq.ft	Floor
1.	PHYSICS	6	UG PHYSICS LABORATORY I & II	2369	B BLOCK I FLOOR
2.			PG PHYSICS LABORATORY	1597	C BLOCK I FLOOR
3.			UGC MINOR RESEARCH INSTRUMENTS LABORATORY	478	B BLOCK II FLOOR
4.			DST - FIST SPONSORED RESEARCH INSTRUMENTS LABORATORY	354	B BLOCK II FLOOR B19

**CRITERION IV****LABORATORIES**

5.			DST-CURIE SPONSORED RESEARCH INSTRUMENTS LABORATORY	831	B BLOCK I FLOOR
6.	CHEMISTRY	3	CHEMISTRY LABORATORY I	1610	C BLOCK I FLOOR
7.			CHEMISTRY LABORATORY II	1248	C BLOCK II FLOOR
8.			CHEMISTRY LABORATORY III	831	E BLOCK GROUND FLOOR
9.	MICROBIOLOGY	3	PG-LAB	2948	C BLOCK II FLOOR
10.			UG - LAB	1968	C BLOCK I FLOOR
11.			BIOCHEMISTRY LAB	839	C BLOCK I FLOOR
12.	BIOTECHNOLOGY	1	UG BIOTECH LAB	1597	C BLOCK II FLOOR
13.	FOOD SERVICE MANAGEMENT AND DIETETICS	2	FOOD SCIENCE AND DIETETICS LAB	795	C BLOCK I FLOOR
14.			QUANTITY FOOD PRODUCTION LAB	1776	HOSTEL PREMISES A BLOCK GROUND FLOOR
15.	COMPUTER SCIENCE	1	COMPUTER SCIENCE LAB	3095	F BLOCK GROUND FLOOR
16.	COMPUTER APPLICATIONS	4	COMPUTER APPLICATIONS LAB I, LAB II	3112	D BLOCK II FLOOR
			COMPUTER APPLICATIONS	1275	D BLOCK II

**CRITERION IV****LABORATORIES**

			LAB III, LAB IV		FLOOR
17.	INFORMATION TECHNOLOGY	1	INFORMATION TECHNOLOGY LAB I	1905	F BLOCK GROUND FLOOR
18.	INFORMATION TECHNOLOGY	1	INTERNET LAB	1565	F BLOCK GROUND FLOOR
19.	ENGLISH	2	LANGUAGE LAB	718.75	C BLOCK II FLOOR
20.			AURAL ORAL ENGLISH LAB	1140	D BLOCK I FLOOR

S. No	Name of the Department	Major Equipment/Software
1.	Physics	Audio frequency oscillator, Ballistic Galvanometer, Carey foster's bridge Compound pendulum, Cathode Ray Oscilloscope, Deflection magnetometer, Field along the axis apparatus, Joule's calorimeter Lee's disc setup, Meter bridge, Microprocessor kit, Microscope, Post office box Potentiometer, Sonometer, Spectrometer, Spherical calorimeter, Static torsion apparatus, Telescope, Torsional pendulum, Travelling microscope, M&H Apparatus, Hare's apparatus, Demultiplexer kit, Encoder kit
2.		Constant temperature bath, Electronic top Loading Balance Accuracy(0.001gm), Electronic Balance Accuracy(0.01gm), Ultrasonic Interferometer, Magnetic Stirrer, Michelson interferometer, Guoy Balance, Electromagnet with power supply, Forbe's apparatus, Cathode Ray Oscilloscope, Anderson bridge, Audio frequency oscillator, Microprocessor kit, Spectrometer, Digital Gauss meter, Digital LCR Meter, Digital IC tester, Comparator, Constant deviation Spectrograph, ESR Spectrometer, e/m magnetron apparatus, Polarimeter, Stefan's apparatus with boiler Pulse code modulation Demodulation kit

**CRITERION IV****LABORATORIES**

3.		Ultrasonicator, Digital Micrometer Screw gauge (0-25mm), 'INFRA' Digital Conductivity Meter-LED Display, Desiccator – Sodaglass Dip Coating Unit (Spectra Dip Coater), Spin Coating Unit (Spectra Programmable Tabletop Spin Coater), Sony Laptop (Black), Printer (MF3010), Constant Temperature Bath(40Litre), Digital Weighing Balance (0.001GM to 300GM), Dielectric constant kit for solid with different range, PH Meter Microprocessor control PH-mv Temp Meter, Magnetic Stirrer 1 Litre capacity with Hot model, Dell Laptop –N3567, Laser Canon Printer-MF244DW
4.		FTIR, UHPLC
5.		Electrochemical WorkStation, (Cyclic Voltammetry), Tyrone WorkStation, Magnetic Stirrer, Electronic Balance
6.		REMI Centrifuge Machine, Electronic Balance (2 decimol), Electronic Balance (3 decimol), Electronic Balance (4 Decimal), Hot Water Bath, Magnetic stirrer, Mechanical Rotary Shaker Kemi Make Extraction apparatus, Vacuum Pump with accessories with motor, Remi Medium Duty High Speed Emulsifier with 1/8 Motor, Fume Exhaust Hood Working Table.
7.	Chemistry	Hydrothermal Autoclave, LG refrigerator, Hot Air Oven, Heating Mantle Thermostat, WESWOX UV-Double beam Spectrophotometer, Digital Conductivity meter with conductivity cell, Distillation unit, pH meter with combined OH electrode
8.		Photoelectric colorimeter, Potentiometer, Potentiometer with stirrer Sonicator, Mechanical Rotary Shaker Kemi Make, Electronic Balance (4 Decimal), Binocular Microscope Superior
9.	Microbiology	Colony counter (Deep Vision), Distillation Unit (Guna), Electronic Balance (Shimadzu), Hot air oven (Tempo), Hot plate (Tempo), Incubator (Tempo) Laminar air flow chamber, Ph meter, Samsung Refrigerator Spectrophotometer, Water bath, Distillation unit Heating mantel.
10.		Clinical Centrifuge (Remi), Colorimeter (BC Lab), Microscope.
11.	Biotechnology	PCR Thermocycler, Double Distillation Unit, Laminar Air Flow chamber, Spectrophotometer, Binocular Microscope, Autoclave, Water bath, Incubator, Hot air oven, Guna Wan Soxhlet Extractaaion Mantle(cod), Electronic Balance, Colony counter, UV transilluminator, Shaker.

**CRITERION IV****LABORATORIES**

		Colorimeter Digital Electronic Balance. Hot Plate, Incubator, Deep freezer, Refrigerator
12.	Food Service Management and Dietetics	Bajaj Oven Toaster Griller, Bajaj Toaster, Bathroom Weighing Scale
		BP Apparatus, BP Apparatus -Digital Colorimeter, Cooking Ranges, Double Burner stainless steel stoves, Electric Bunsen Burner Food Air Fryer, Food Thermometer, Glucometer One Touch, Hand Mixer -Electric, Height -O-Meter, Hot Air Oven Lactometer Light Microscope Microscope Microwave oven Mixie Oven, Toaster, Grill (OTG Oven - Bajaj) pH meter Refrigerator Stethoscope Table Top Grinder Weighing Balance Weighing Balance –Digital
13.	Computer Science	UPS Back up, two Server of 2TB HDD & one Server of 960 GB HDD, LASER printer, Dot Matrix printer, Workstations with Windows 10 OS, Oracle 12G, ADOBE, MS-Office
14.	Computer Application	1) INTEL XEON 5620 x 2 (DUAL) 16 GB (4 x 4GM) ECC RAM 300 GB SAS HDD x 1 1 TB ESASTA HDD x 2 SAS / SATA CONTROLLER CARD 19 LCD LOGITECH LOGITECH DVD RW / SERVER CHASIS 2) PRO- XEON- E31220@3.10GHZ / 8MB INTEL SERVER MB / 8GB DDR3 ECC RAM HDD – 500 GB x 2 19" LCD MONITOR LOGITECH LOGITECH DVD RW 3) INTEL (R) XEON(R) CPU E5- 2407 V2 @ 2.40GHz 2.40 GHz (DUAL) 300 GB SAS HDD x 1 1 TB ESASTA HDD x 3 SAS / SATA CONTROLLER CARD 19 LED LOGITECH LOGITECH DVD RW / SERVER CHASIS

**CRITERION IV****LABORATORIES**

15.		<u>SERVER CONFIGURATION</u> PROCESSOR: INTEL(R)XEON 4210@220-219 GHZ HDD :2 TB RAM :64 GB MONITOR: 19.5 LCD SPEED :3200 MB CACHE MEMORY: 9.50MB
16.	Information Technology	UPS Back up, Server of 2TB HDD & 320 GB HDD, ANTI VIRUS SERVER with SATA 6 GBPS HARD DISK, Workstations, LASER printer, Dot Matrix printer, Windows 10 OS, Oracle 12G, ADOBE, MS-Office SPSS, Power BI, Python, Android Studio, MySQL, R Programming, Java, Tableau
17.	Internet Lab	UPS Back up, Server of 3TB HDD E-SATA 6 GBPS HARD DISK, Workstations, LASER printer, Dot Matrix printer, Scanner, Windows 10 OS, internet provider-STPI-Leased link
18.		Skill phone Console Cabinet - 1 Wireless Headphones - 30 Chargers - 9 Battery - 46 14 inches Teachers Colour Monitor -1 Microphone - 4 Microphone Battery-3 Onida DVD player - 1 LCD - 1 APC BatteryBackup-1
19.	English	Lingua phone (Headphones) English Proficiency Language Lab 4 Level Textbooks and Listening Supporting Materials Set - 120 Battery - 232 Battery Charger - 12 Head Phones - 120 EXTENSIONCHORD - 4 SIGNAL TRANSMITTER - 11 RECHARGING ADAPTER - 5 PENDRIVE - 1 AMPLIFIER - 1 CHARGER CHORD-15 TRANSMITTER CHORD - 21



AURAL ORAL ENGLISH LAB

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அரங்கம்

AURAL ORAL ENGLISH LAB

ATTENTION PLEASE
PLEASE SWITCH ON THE A/C
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GPS Map Camera



Tiruchirappall, Tamil Nadu, India
cauvery college for women (autonomous),trichy

Lat 10.832498°

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CRITERION IV

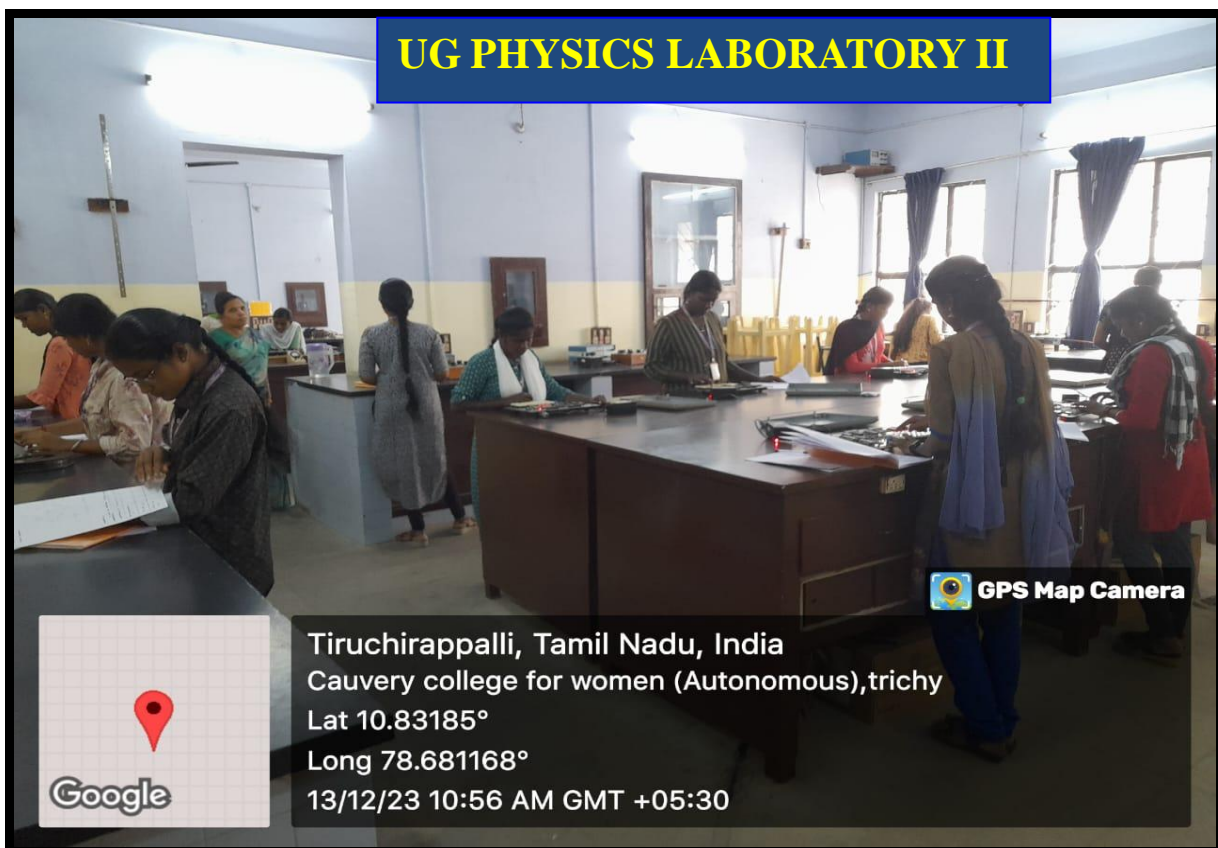
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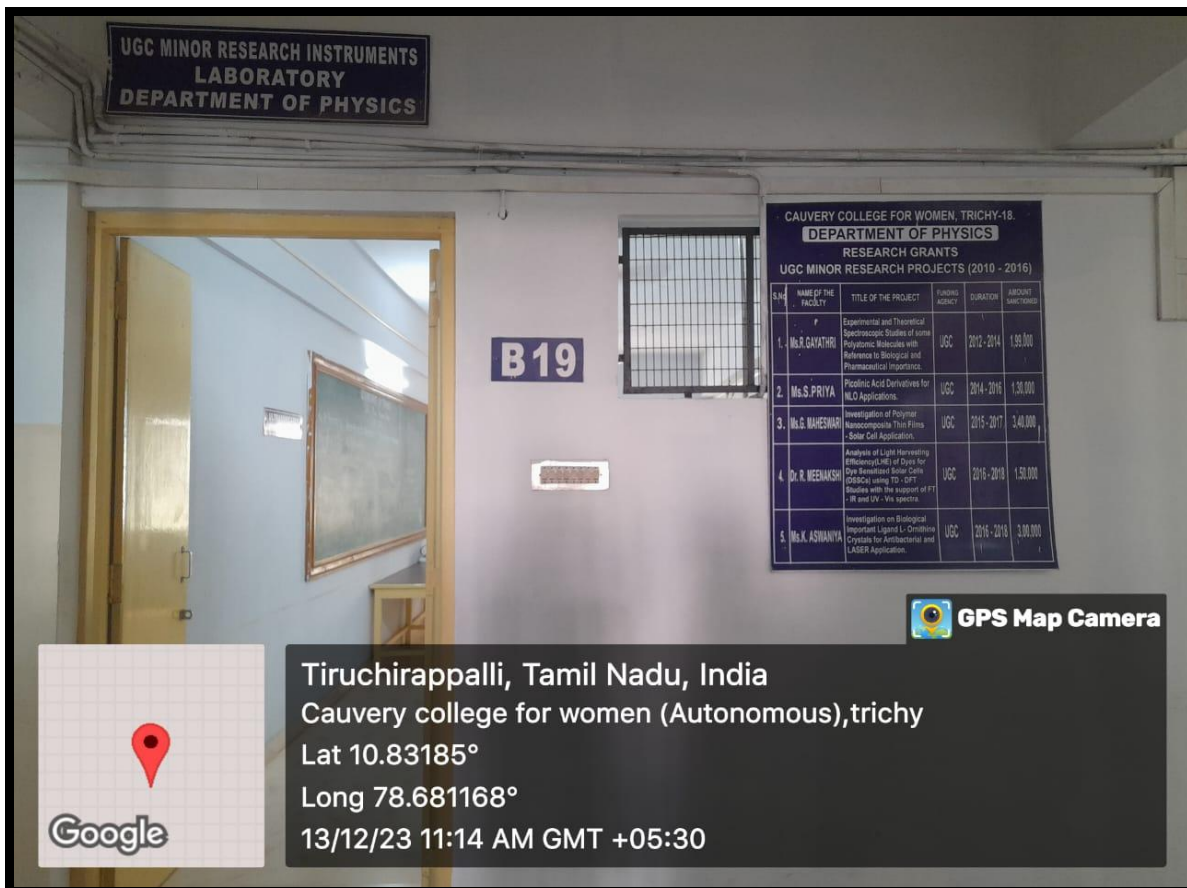
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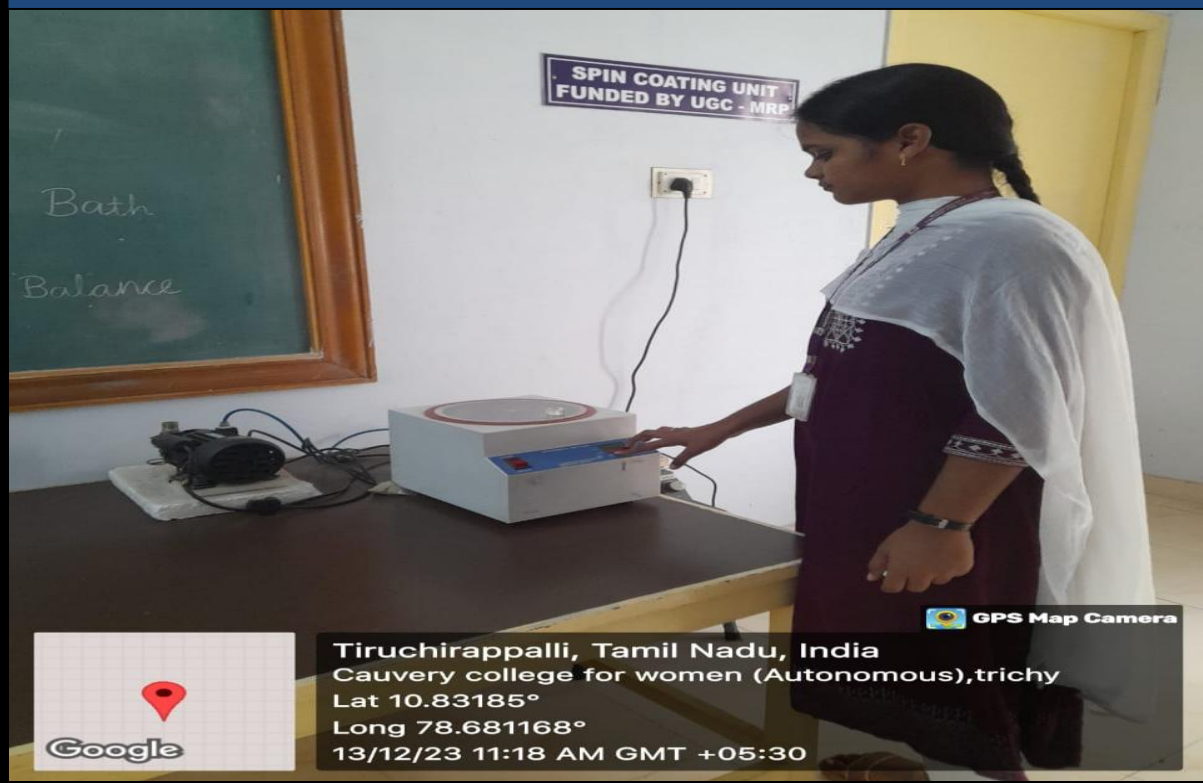




UGC MINOR RESEARCH PROJECT INSTRUMENTS LAB



UGC MINOR RESEARCH PROJECT INSTRUMENTS LAB

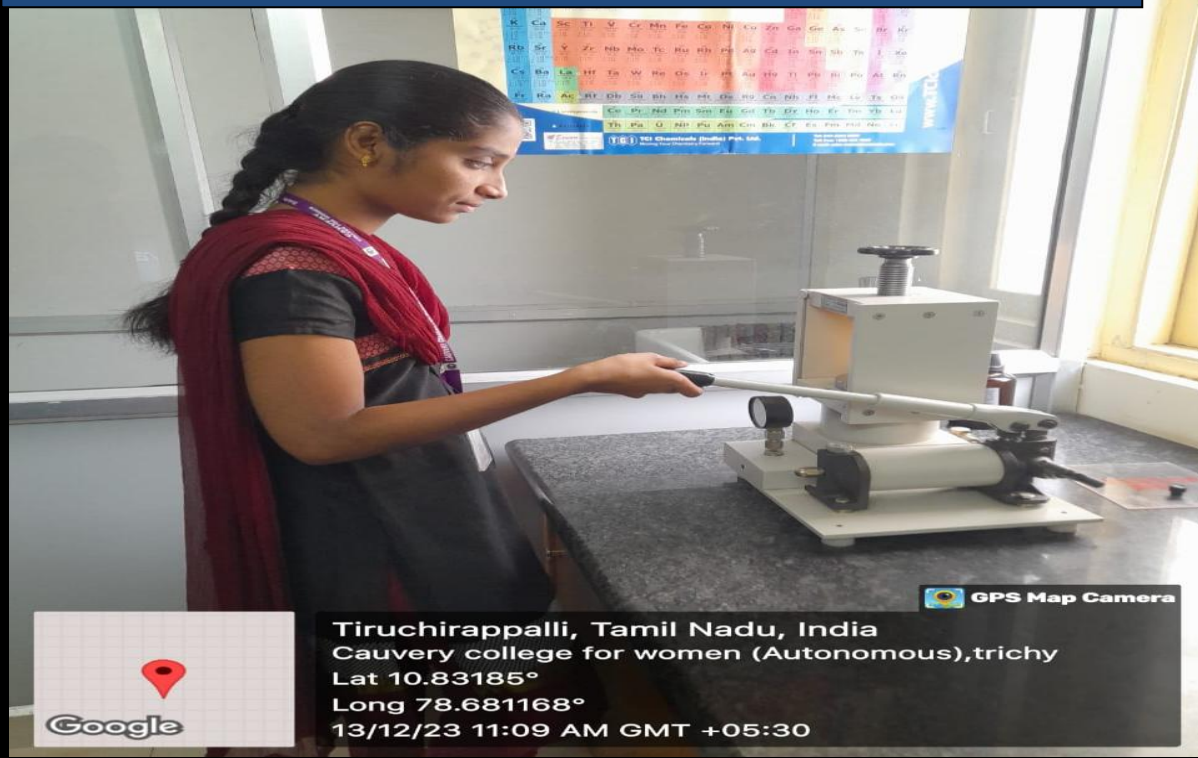




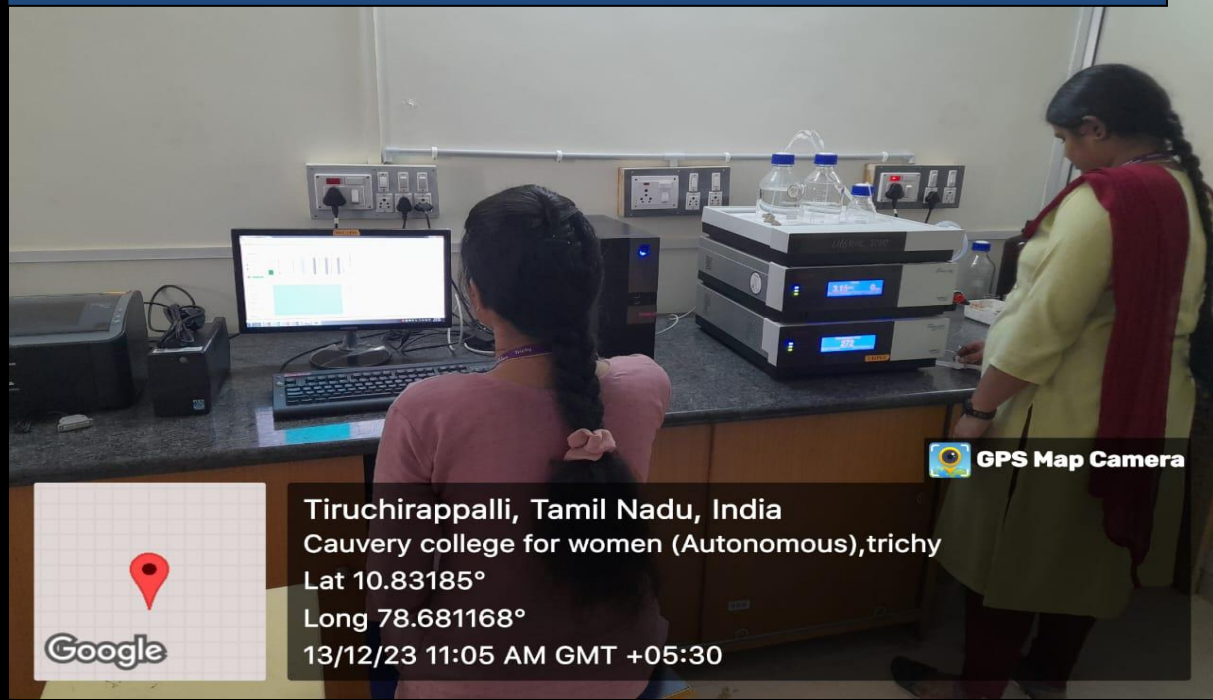
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LABORATORIES

DST FIST SPONSORED RESEARCH INSTRUMENTATION LAB



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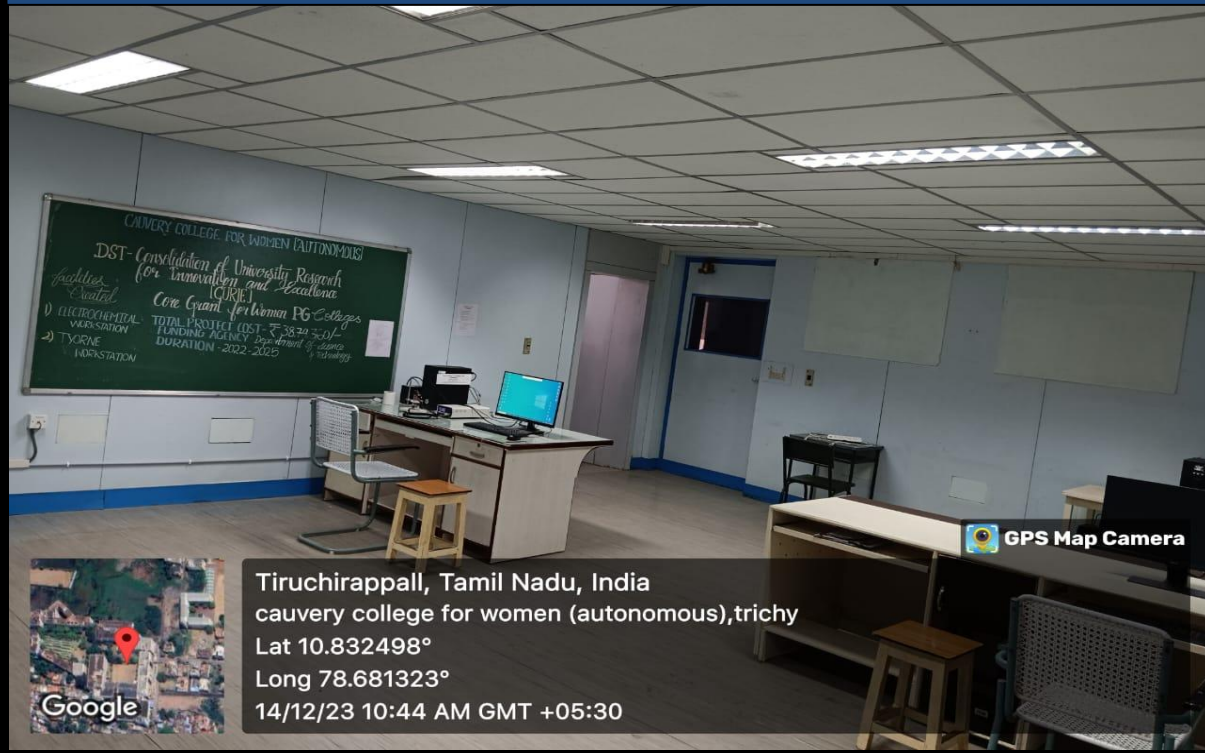




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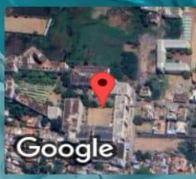
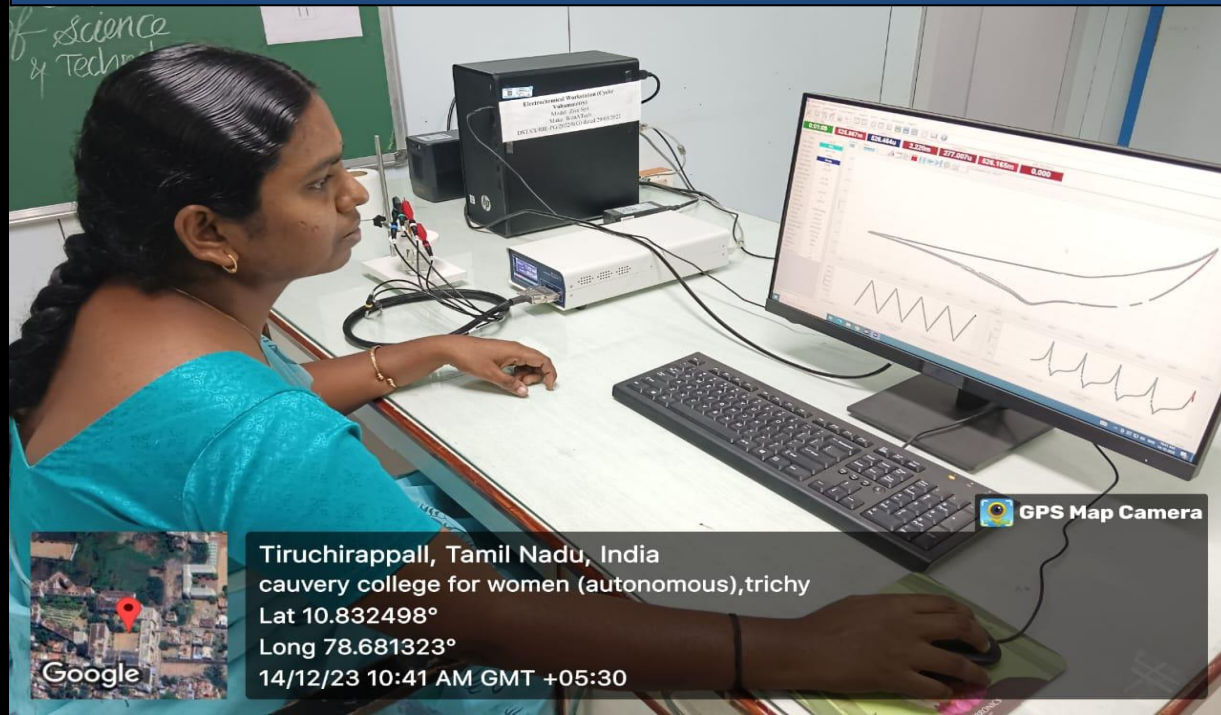
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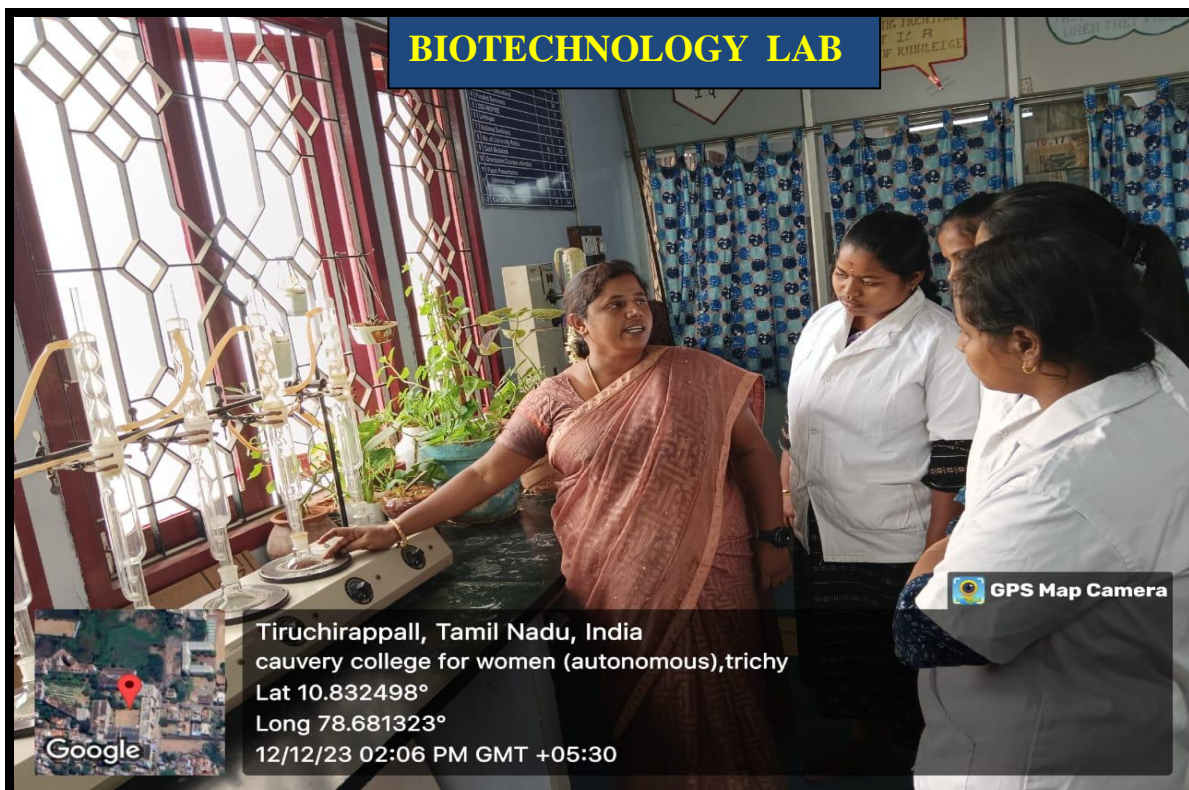
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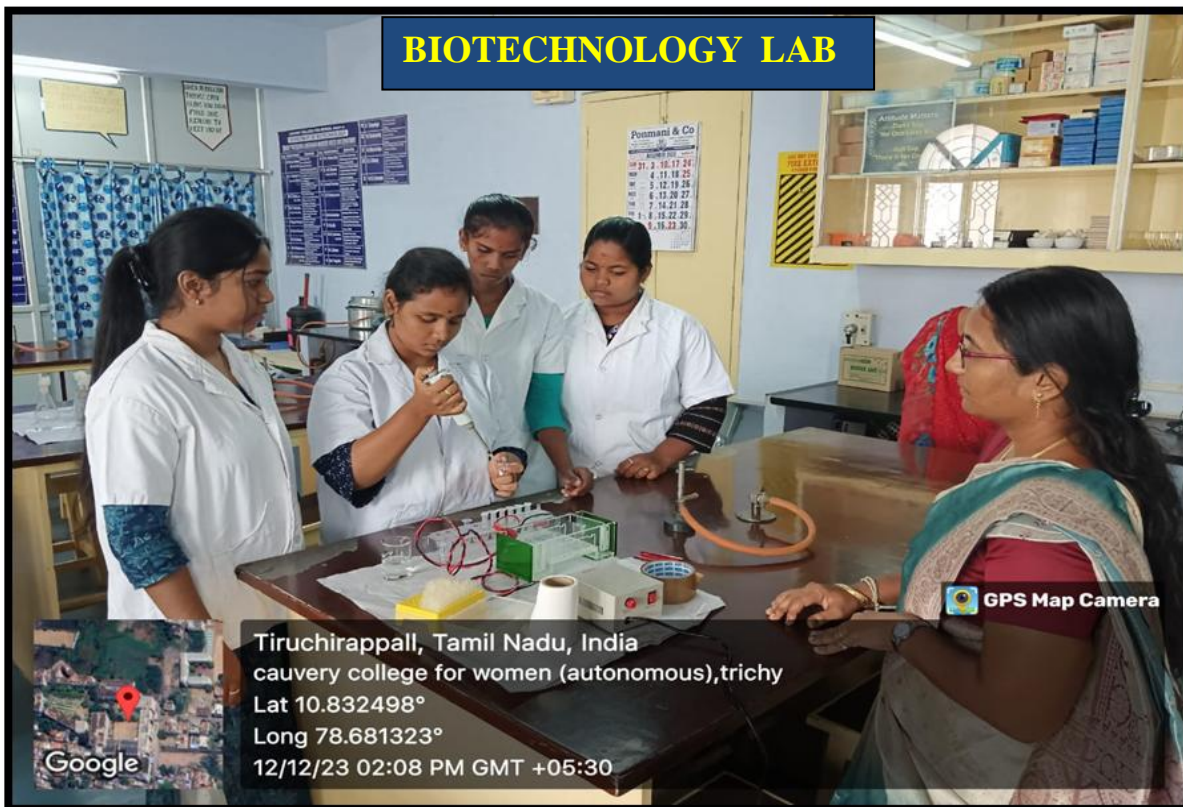
LABORATORIES





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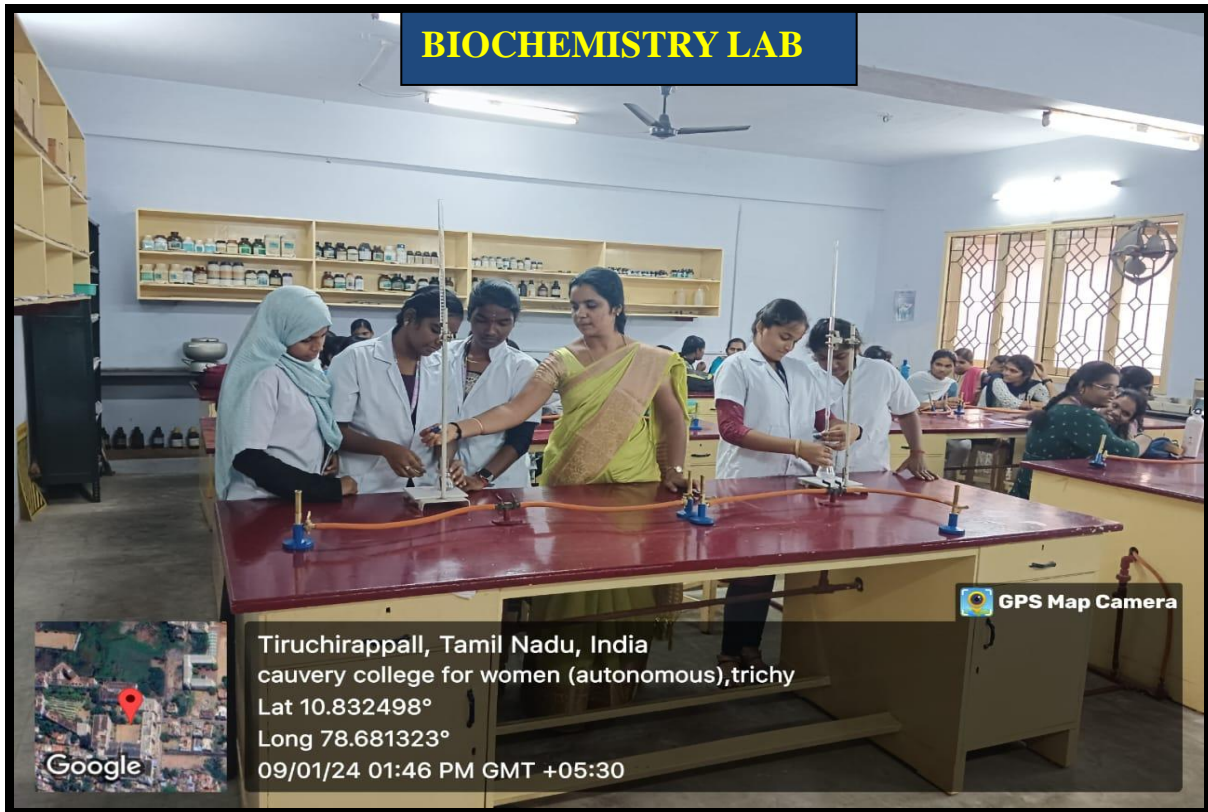
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LABORATORIES

QUANTITY FOOD PRODUCTION LAB

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COMPUTER SCIENCE LAB

GPS Map Camera



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LABORATORIES





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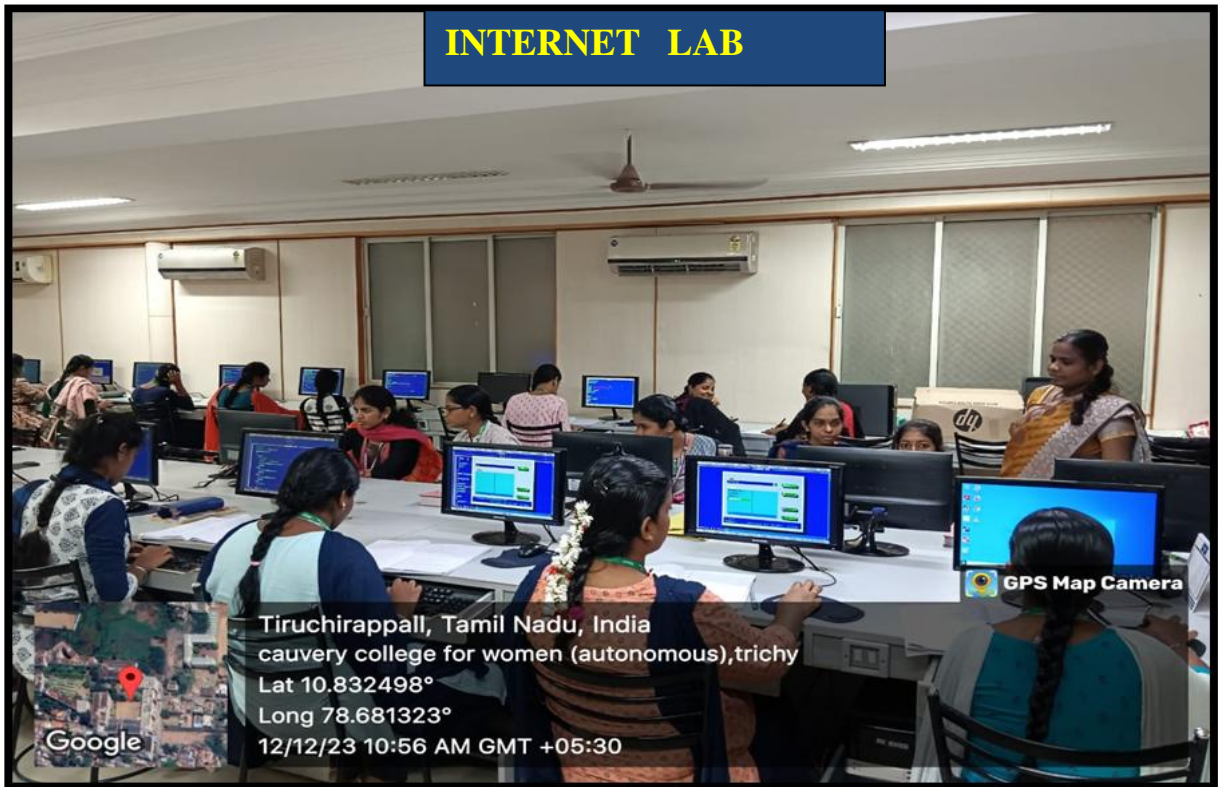
LABORATORIES





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LABORATORIES





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LABORATORIES

COMPUTER APPLICATIONS LAB III



COMPUTER APPLICATIONS LAB IV





COMPUTER APPLICATIONS LAB IV

GPS Map Camera



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