



# Fatima College

(Autonomous)

*Affiliated to Madurai Kamaraj University  
Re-Accredited with 'A++' by NAAC (Cycle - IV)*

Mary Land, Madurai - 625018, Tamil Nadu

## RESEARCH FACILITIES IN FATIMA COLLEGE

S. No.	RESEARCH FACILITIES
1.	Dissection Monitoring Committee
2.	Instruments to Facilitate Research
3.	Instrumentation Centre
4.	Wi-Fi Points
5.	Infrastructure for Research
6.	Plagiarism Checking Software
7.	Research Advisory Committee/Student Resource Forum
8.	Sponsored Projects
9.	Nutrical Software



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## DISSECTION MONITORING COMMITTEE TO MINIMIZE USE OF ANIMALS IN DISSECTION

### DEPARTMENT OF ZOOLOGY

As per the Guidelines of University Grants Commission (UGC) for the discontinuation of dissection and animal experimentation in Zoology, the Dissection Monitoring Committee (DMC) was constituted in the Department of Zoology, Fatima College in the year 2013. The Members of DMC are :- Head, Department of Zoology (Convener & Chairperson), Two Senior Faculty members from Department of Zoology, One Faculty from related Science Department and One Faculty from the Department of Zoology of neighbouring Institutions. The tenure of DMC is two years. Dissection Monitoring Committee (DMC) Meeting is conducted annually to scrutinize and approve the syllabi of the Practical Courses. The committee monitors the minimized use of animals in dissections and Laboratory exercises. The committee also ensures whether the animals permitted to be used for dissection and Laboratory exercises are ethically procured from sources following all research ethics norm.



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2023 - 2024

Department of Zoology.

MINUTES OF DISSECTION MONITORING COMMITTEE (DMC).

The Dissection Monitoring Committee of the Department of Zoology was held on 01.04.2024 at 3:00pm in the Zoology Lab.

Members Present:

1. Dr. Antony Amala Jayaseeli (Convener & Chairperson)  
*Antony Amala Jayaseeli* 01/04/24
2. Dr. A. Tamil Selvi (Member)
3. Dr. N. Malathi (Member)
4. Dr. T. Jayasheela, (Member)  
*T. Jayasheela* 01/04/24  
Assistant Professor,  
The Research Centre of Physics,  
Fatima College, Madurai.
5. Dr. M. Kalaiarasi,  
*M. Kalaiarasi* 01/04/2024  
Assistant Professor,  
Department of Zoology,  
Sri Meenakshi Government Arts College  
for Women, Madurai.
6. Dr. J. Annet Mary,  
*Annet Mary* 1/4/2024  
Assistant Dean of Research,  
Research Advisory Committee,  
Fatima College, Madurai-18.

The Dissection Monitoring Committee of Department of Zoology, Fatima College reviewed the Syllabi of I UG and I PG Lab Course designed as per the TANSCH grid and guidelines.

I B.Sc, Zoology

Semester-I - INVERTEBRATA LAB COURSE

Semester-II - CHORDATA LAB COURSE

I M.Sc, Zoology.

Semester - I - LAB COURSE IN INVERTEBRATA & VERTEBRATES





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The following Suggestions / Comments are given regarding the Lab Courses:

1. The Course Content of both I UG and I PG Lab Courses are in tune with the guidelines of UGC and only permitted animals are utilized for Dissection.
2. Usage of Virtual Dissections was also appreciated and highlighted.

Members:

1. Dr. Antony Amala Jayaseeli

2. Dr. A. Tanul Selvi

3. Dr. N. Malathi

4. Dr. T. Jeyasheela

5. Dr. M. Kalaiarasi

(External Subject Expert)

6. Dr. J. Asnet Mary

(Member, Research Advisory Committee)

Fatima College, Madurai.

Dr. Antony Amala Jayaseeli

Dr. A. Tanul Selvi

Dr. N. Malathi

Dr. T. Jeyasheela

Dr. M. Kalaiarasi

Dr. J. Asnet Mary

Dr. J. Asnet Mary





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## INSTRUMENTS TO FACILITATE RESEARCH

### MICRO WAVE SYNTHESIZER (CHEMISTRY)





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## TEMPERATURE CONTROLLED MECHANICAL SHAKER (CHEMISTRY)





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## UV – VISIBLE SPECTROMETER (CHEMISTRY)







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## ROTOR VAPOUR WITH VACUUM PUMP (CHEMISTRY)



Lat:9°56'53.6" Long:78°05'52.8" S199° 132M  
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## SONICATOR (PHYSICS)



Lat:9°56'55.2" Long:78°05'51.9" W286° 95M Fatima College (Autonomous)

## MUFFLE FURNACE (PHYSICS)



Lat:9°56'53.6" Long:78°05'52.6" E109° 137M Fatima College (Autonomous)



# Fatima College

(Autonomous)

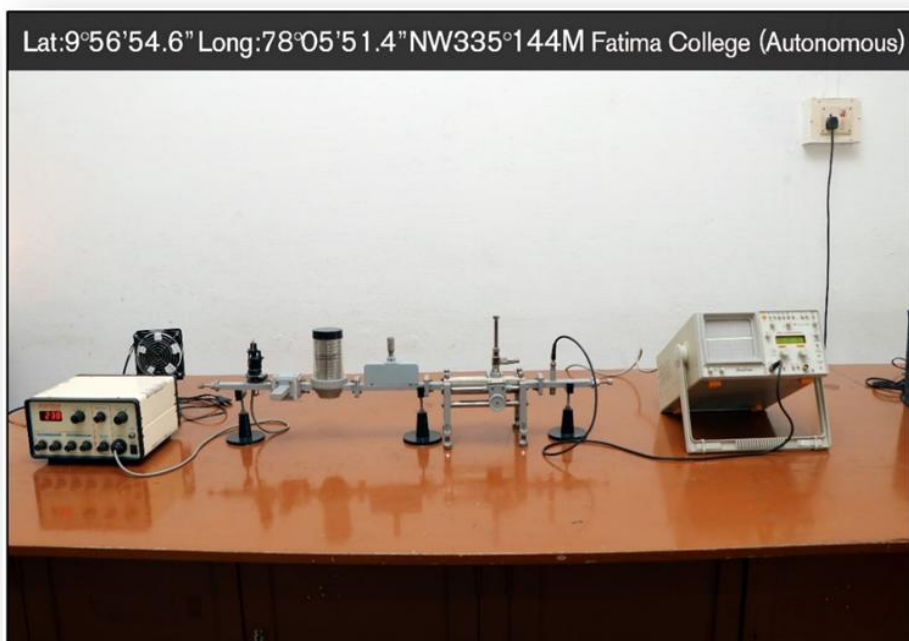
*Affiliated to Madurai Kamaraj University  
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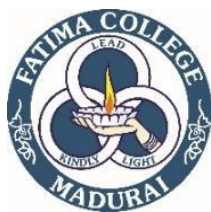
## HOT AIR OVEN (PHYSICS)



## MICROWAVE LAB KIT (PHYSICS)







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## LCR HI TESTER (PHYSICS)



## LAMINAR AIR FLOW CHAMBER (HOME SCIENCE)





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## GAS CHROMATOGRAPHY (HOME SCIENCE)



## ATOMIC ABSORPTION SPECTRO PHOTOMETER (HOME SCIENCE)





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## SHRINKAGE SCALE TEMPLATE (HOME SCIENCE)



## MODIFIED ATMOSPHERIC PACKAGING (HOME SCIENCE)







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## ROTARY SHRINK WRAPPER (HOME SCIENCE)



## ELECTRONIC FABRIC TENSILE STRENGTH TESTER (HOME SCIENCE)





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## EXTRUDER MACHINE (HOME SCIENCE)



Lat:9°56'53.1" Long:78°05'58.7" SW215°150M Fatima College (Autonomous)



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## HOT AIR OVEN (ZOOLOGY)



38, 1st St, Shanthi Nagar, Koodal Nagar, Madurai, Tamil Nadu  
625018, India



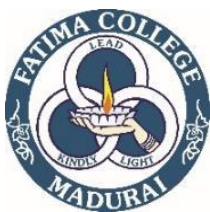
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Longitude	78.0994076	78°5'58" E



Rain  
33 °C  
91.4 °F

19 Sep 2020, 12:16 PM





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## INCUBATOR (ZOOLOGY)





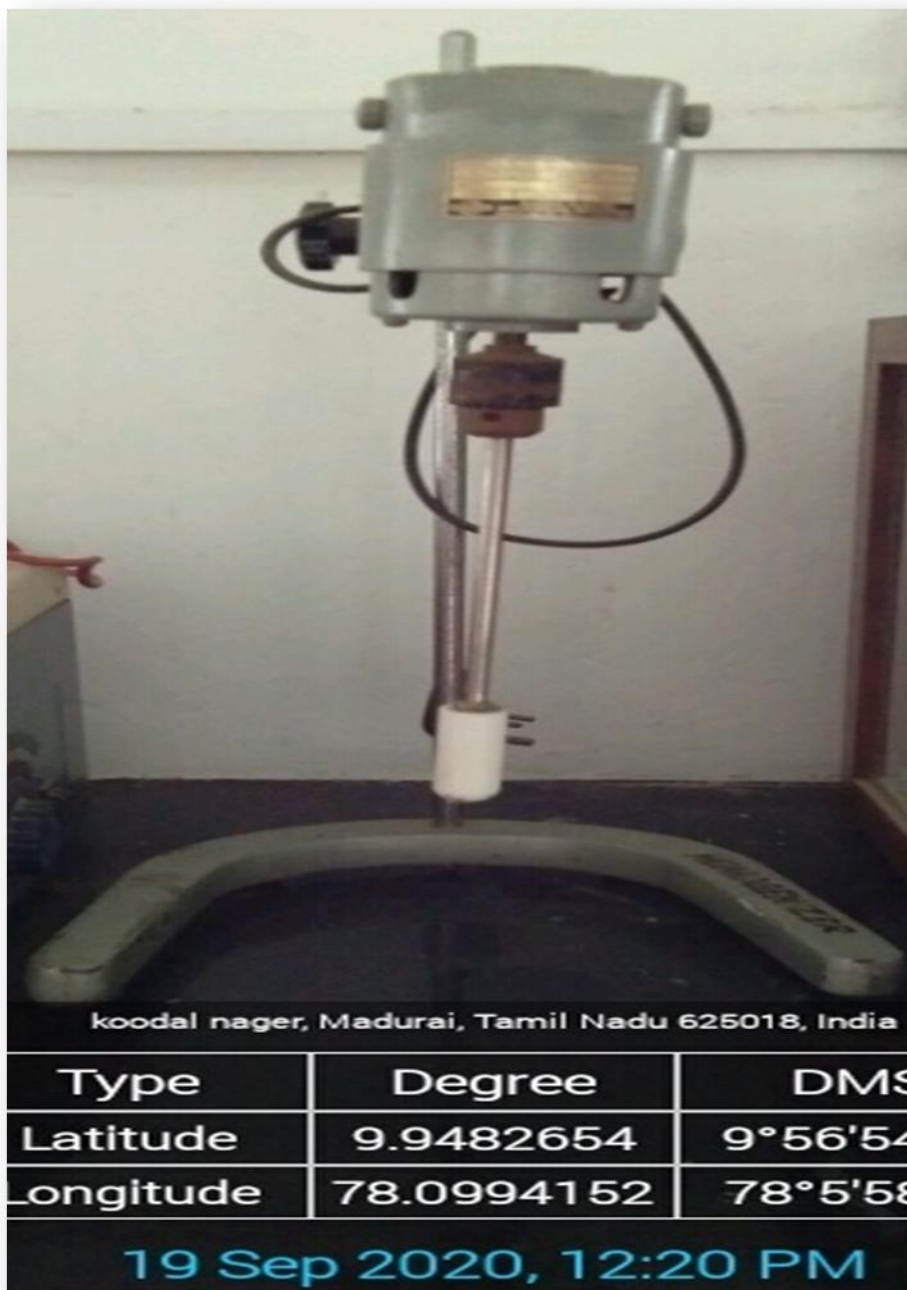
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## HOMOGENIZER (ZOOLOGY)





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## DIGITAL PHOTO COLORIMETER (ZOOLOGY)



koodal nager, Madurai, Tamil Nadu 625018, India



Type	Degree	DMS
Latitude	9.9482654	9°56'54" N
Longitude	78.0994152	78°5'58" E



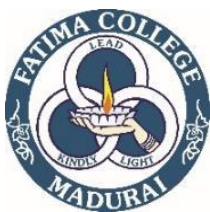
Rain

33 °C

91.4 °F

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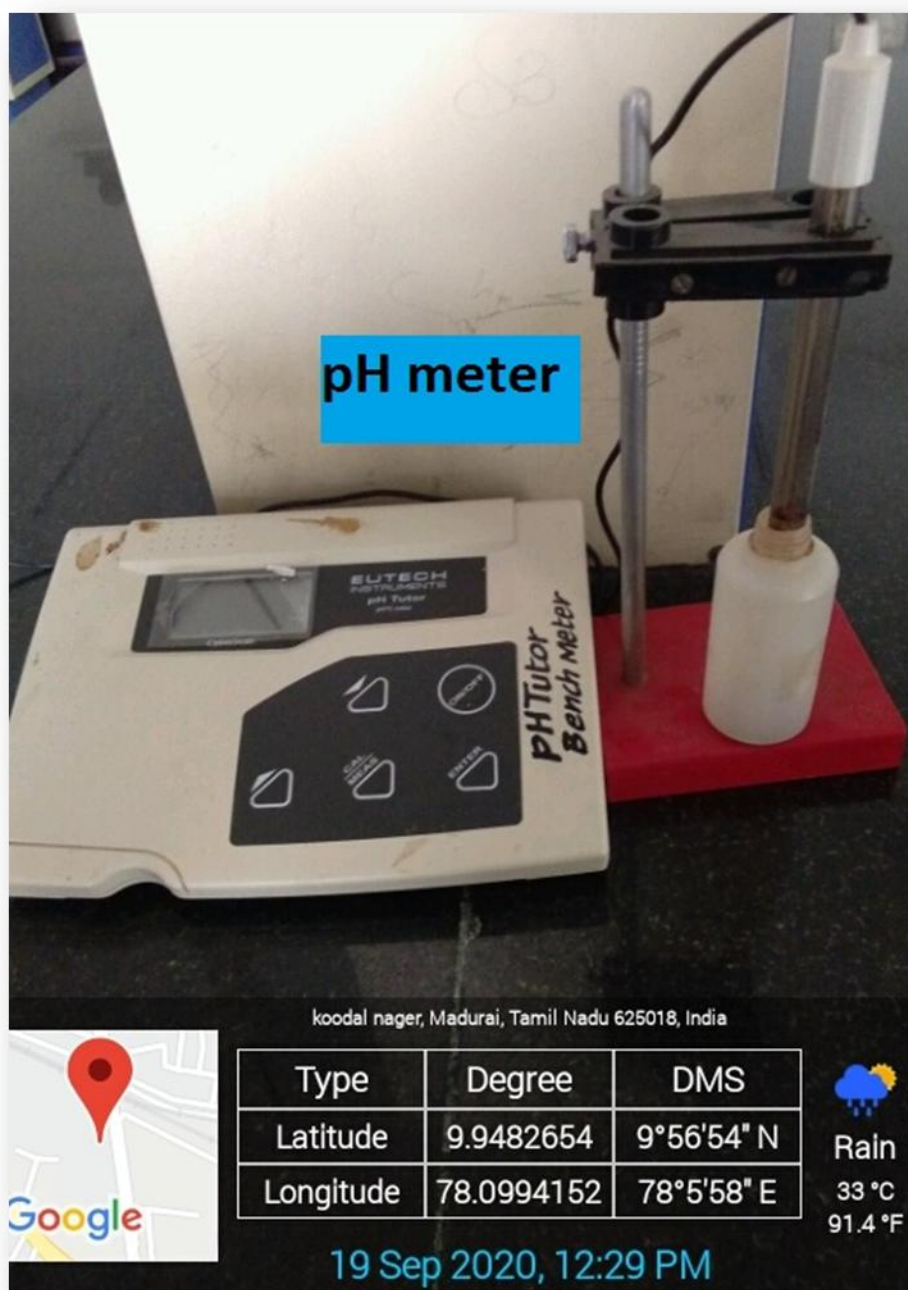
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## PH METER (ZOOLOGY)





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## THERMO CYCLER (PCR) (ZOOLOGY)





# Fatima College

(Autonomous)

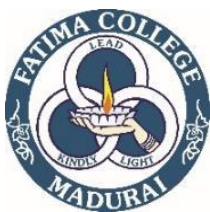
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## MICRO CENTRIFUGE (1 – 2 ML) (ZOOLOGY)







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## COOLING MICROFUGE (ZOOLOGY)



Lat:9°56'52.7" Long:78°05'56.1" NE62° 152M Fatima College (Autonomous)



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Type	Degree	DMS
Latitude	9.9485455	9°56'55" N
Longitude	78.0990028	78°5'56" E

## SOXHLET APPARATUS (ZOOLOGY)



Type	Degree	DMS
Latitude	9.9483319	9°56'54" N
Longitude	78.0984901	78°5'55" E

## MUFFLE FURNACE (ZOOLOGY)



Type	Degree	DMS
Latitude	9.9483319	9°56'54" N
Longitude	78.0984901	78°5'55" E



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## UV TRANS ILLUMINATOR (ZOOLOGY)



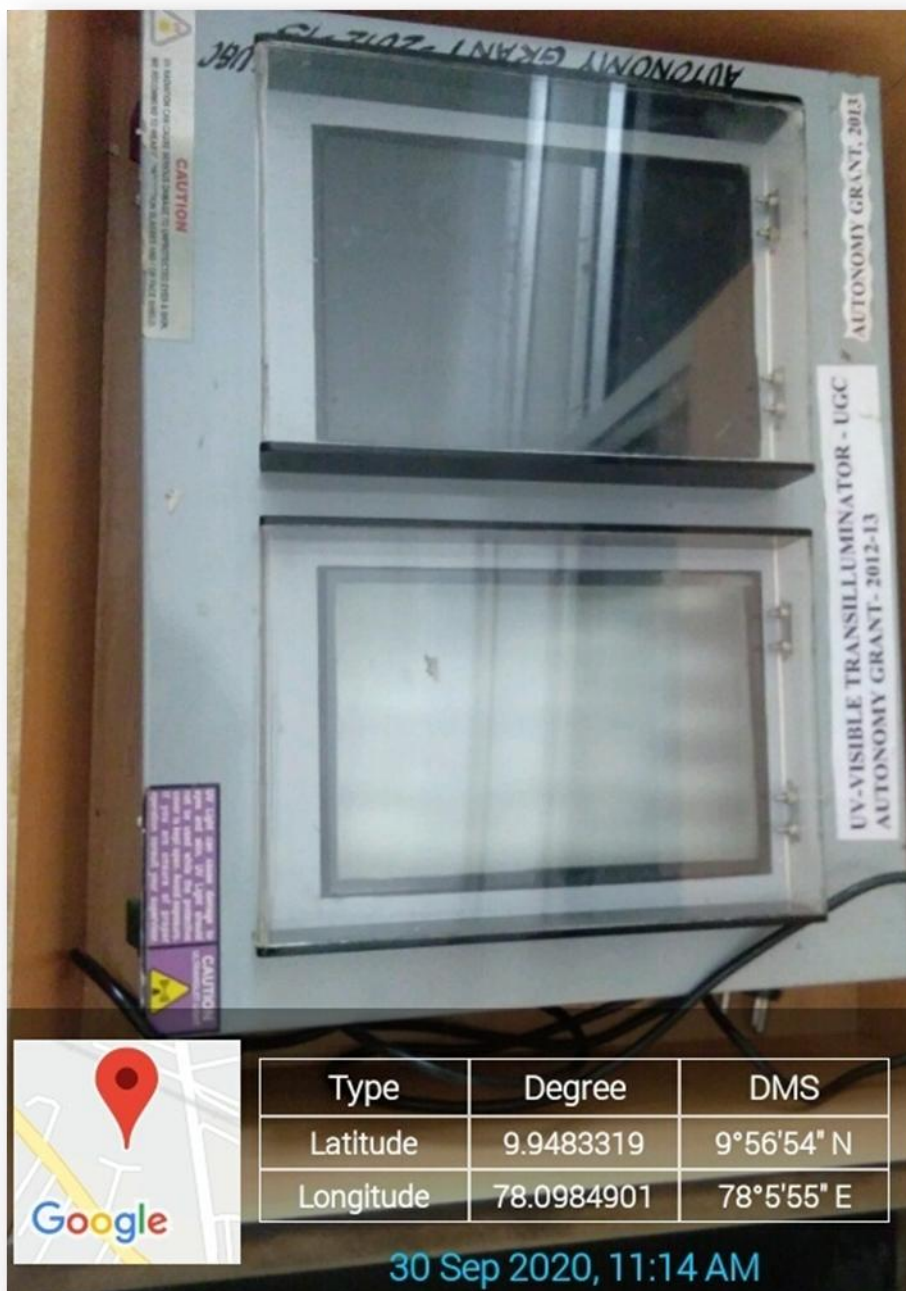


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Type	Degree	DMS
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Longitude	78.0984901	78°5'55" E

## DIGITAL COLONY COUNTER (ZOOLOGY)

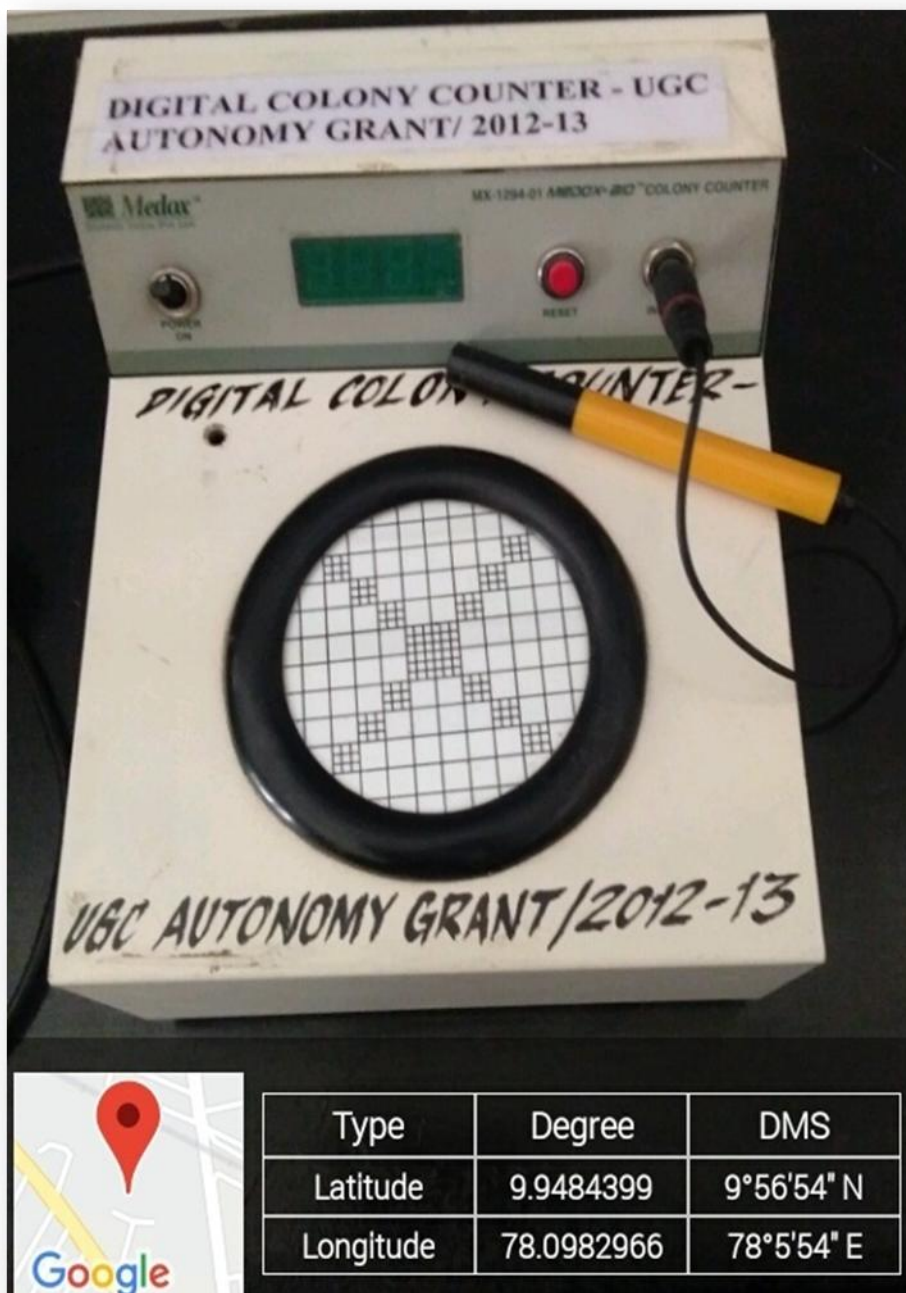


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Longitude	78.0982966	78°5'54" E



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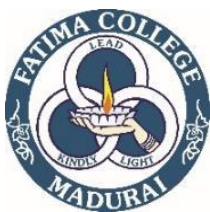
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## LAMINAR AIR FLOW (ZOOLOGY)







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## TISSUE CULTURE CHAMBER (ZOOLOGY)



Lat:9°56'53.1" Long:78°05'57.1" S201° 165M Fatima College (Autonomous)



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## DST CURIE - CONSOLIDATION OF UNIVERSITY RESEARCH FOR INNOVATION AND EXCELLENCE INSTRUMENTATION CENTRE (PHYSICS, CHEMISTRY & ZOOLOGY)



### QUEST ATR DIAMOND CRYSTAL GSI000-B



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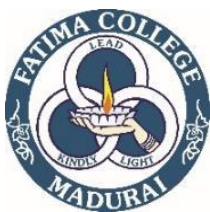
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**ANALYTICAL BALANCE**

**KAB220-KINGLAB**





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## BALL MILLING MACHINE

1 KG WITH 12 BALLS





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**GEL DOC  
BIOTECH**




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 **GPS Map Camera**



**Madurai, Tamil Nadu, India**

W4X2+625, Palamedu Main Rd, Thikathir, Koodal Nagar, Madurai, Tamil Nadu

625018, India

Lat 9.947889°

Long 78.099616°

01/08/24 01:49 PM GMT +05:30

**GEL APPARATUS**

**MEDOX**



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**ROTARY MICROTOME**

**FAMT1090A WEBWOX**



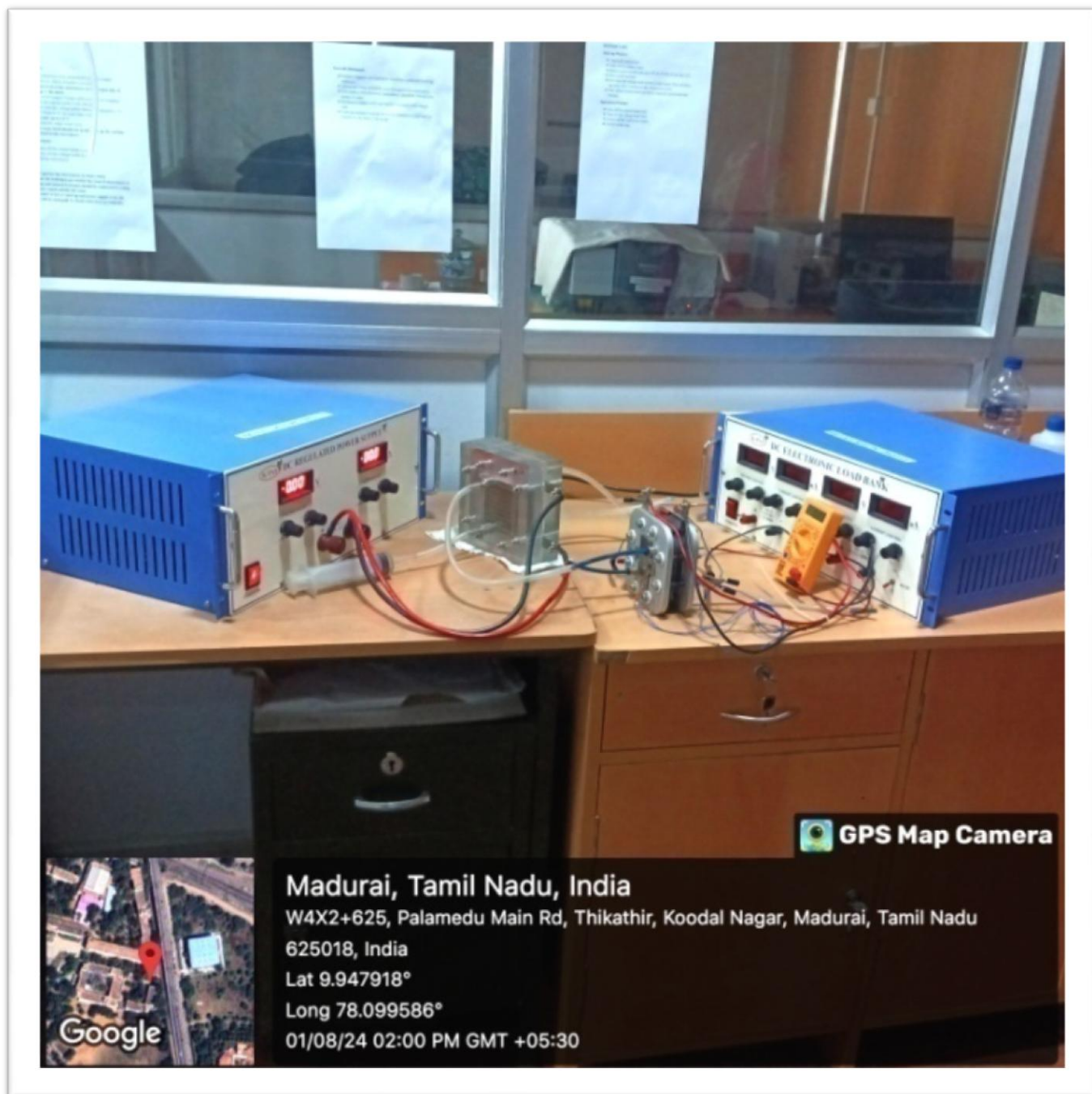


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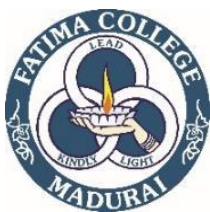
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## FUEL CELL WORKSTATION ACCESSORIES

### AATRAL





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**FUEL CELL WORKSTATION**

**AATRAL**



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**SOLAR SIMULATOR & IPCE SYSTEM  
PACK OGF500, ORIGALYS&OSSILA**





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**QUEST ATR DIAMOND CRYSTAL  
GSI000-B**

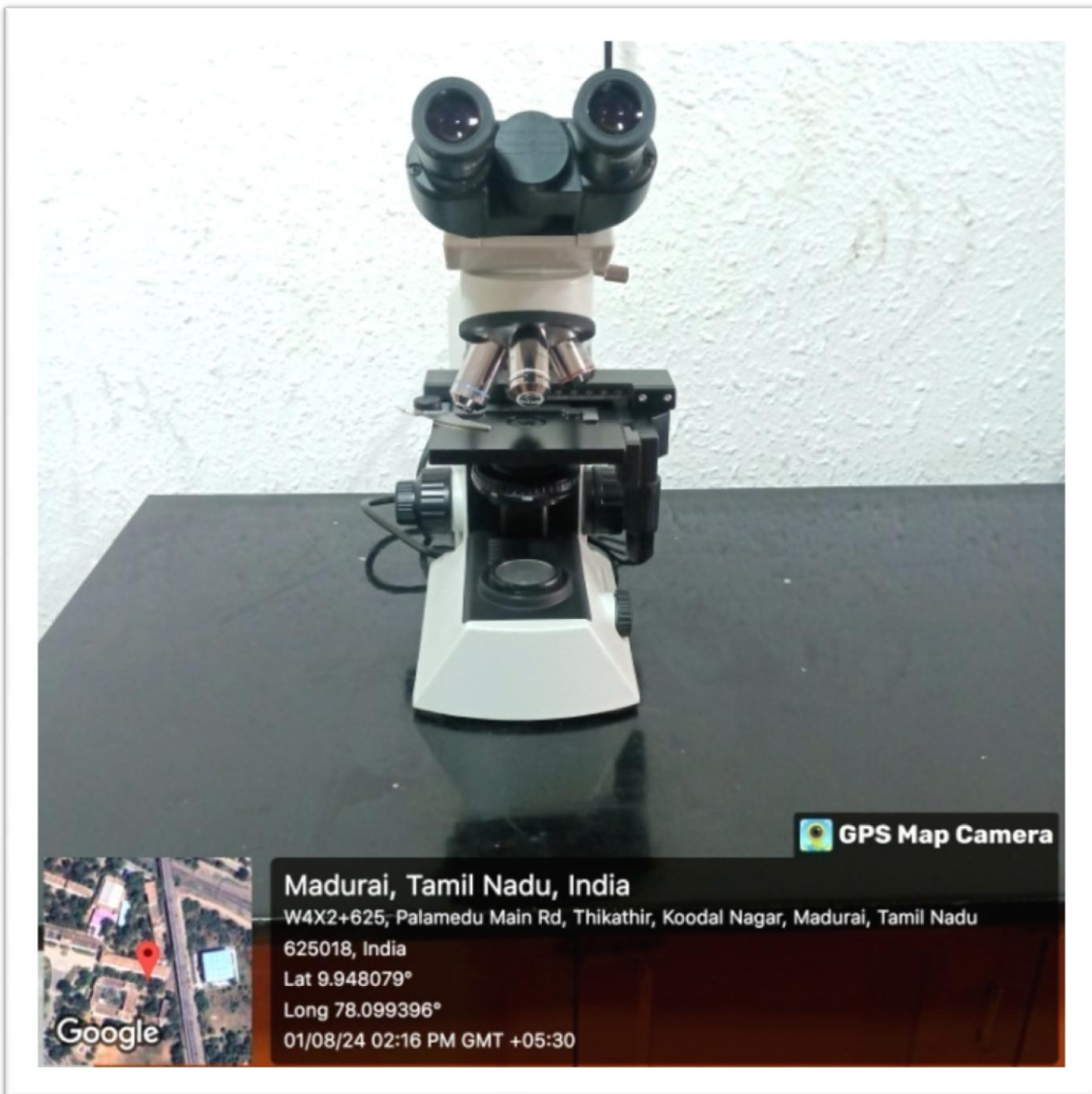


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**CLINICAL MICROSCOPE**  
**MX21i-FREEDOM MAGNUS**





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**CONDUCTIVITY METER**

**LH-26 & LABOHOLIC**



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**POTENTIOMETER  
(MICROPROCESSOR MODEL)  
DP002 & PICO**



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## PH METER

LH-10 & LABOHOLIC



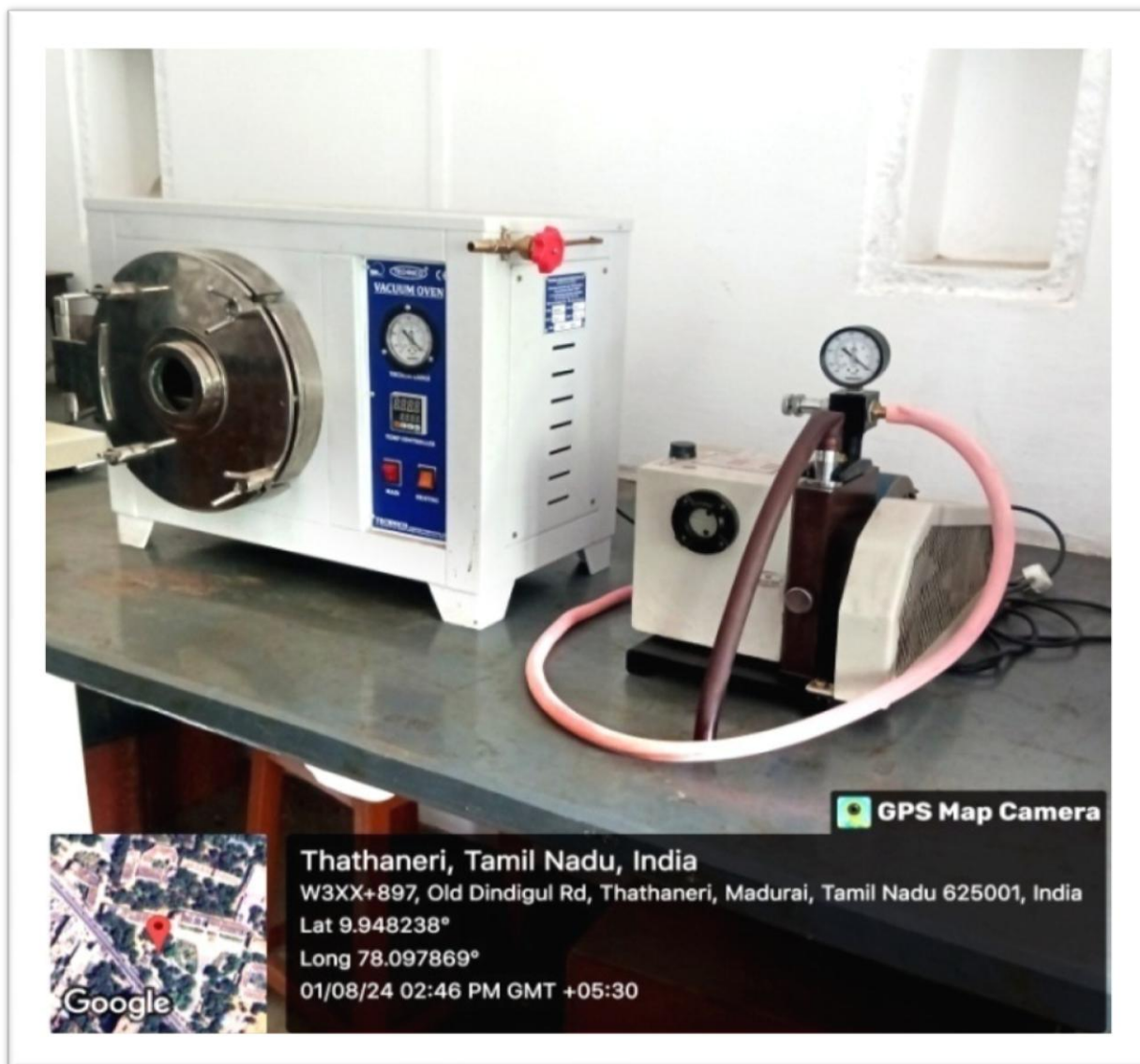


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**VACUUM OVEN, DRYER WITH PUMP**

**TLPPL143&**

**TECHNICO**



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## ICE FLAKER







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---

## FLAME PHOTOMETER



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**BOD INCUBATOR**



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## DST- FUNDED SMART ROOM





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## DST- FUNDED SMART ROOM FACILITIES

### INSTRUMENTATION CENTRE





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## WI-FI POINTS







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Lat:9°56'55.6" Long:78°05'55.0" W256° 152M Fatima College (Autonomous)



Lat:9°56'54.5" Long:78°05'57.8" S167° 174M Fatima College (Autonomous)



Lat:9°56'53.3" Long:78°05'56.0" S191° 181M Fatima College (Autonomous)



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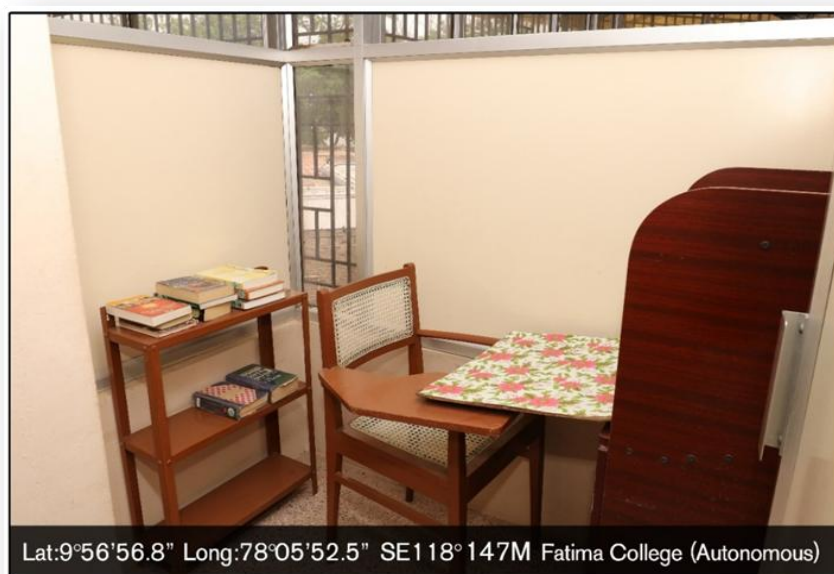
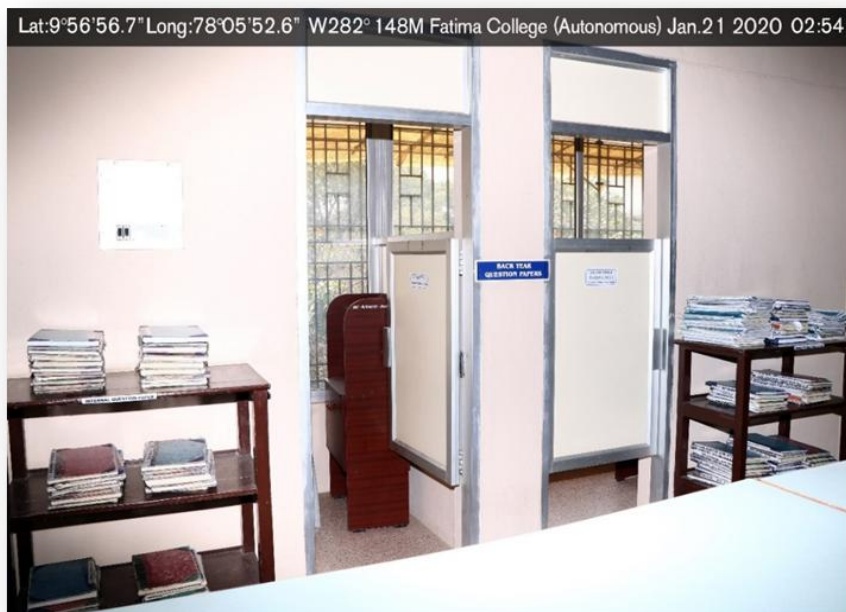
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## INFRASTRUCTURE FOR RESEARCH

### CUBICLES IN THE LIBRARY FOR RESEARCHERS





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## RESEARCH SCHOLAR'S ZONE IN LIBRARY







## DRILL BIT PLAGIARISM CHECKER

DrillBit

Dashboard





































My Folders

Repository

Dashboard > My folders

My Folders(22)

Search by Folder ID / Folder name

Folder ID ↑	Folder name ↑	Created date ↑	Submissions	Actions
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304981	BCA	30-09-2023 12:01:53	11	  
279460	M.Com	29-03-2023 08:41:44	0	  
279035	Economics	18-03-2023 13:55:57	2	  
278824	Physics	03-03-2023 13:05:23	11	  
106172	Commerce	29-11-2022 09:29:24	6	  
101097	Library	22-09-2022 08:52:00	7	  
100765	Maths Dept.	16-09-2022 08:48:37	4	  
100554	MBA	13-09-2022 11:51:26	2	  
98581	Student	10-08-2022 14:06:50	5	  
91306	Dr.Parvathy	19-05-2022 16:04:52	1	  
91305	Dr. R. Saktheeswari	19-05-2022 15:57:13	1	  

DrillBit

Dashboard










My Folders

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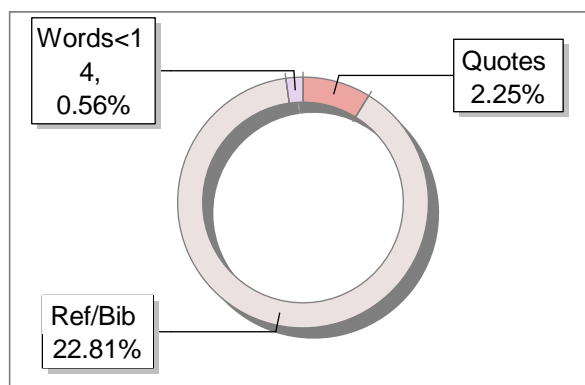
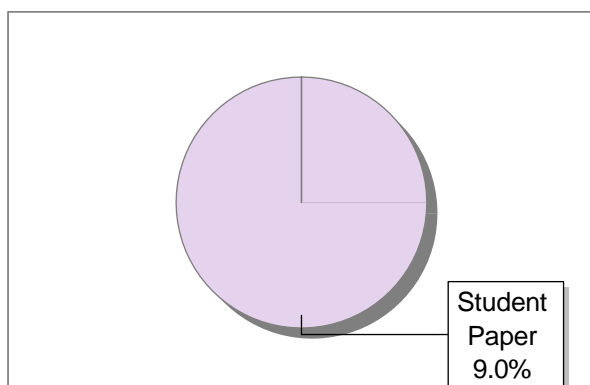
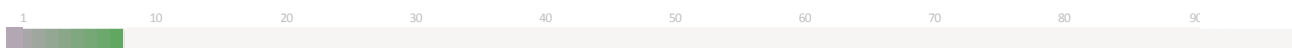
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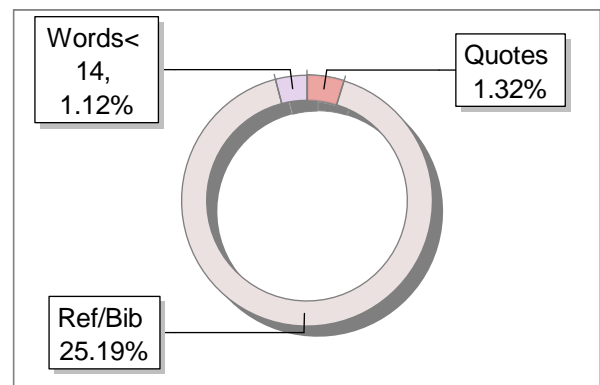
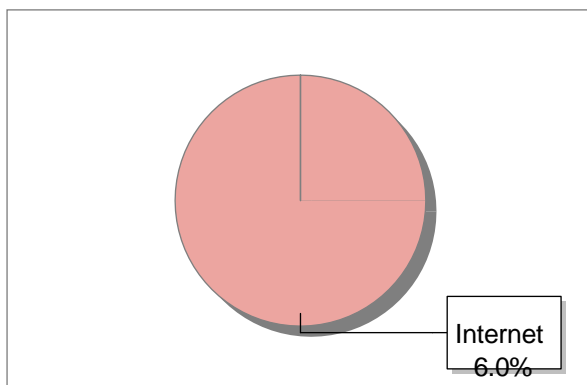
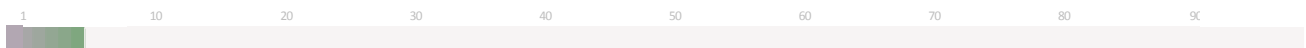
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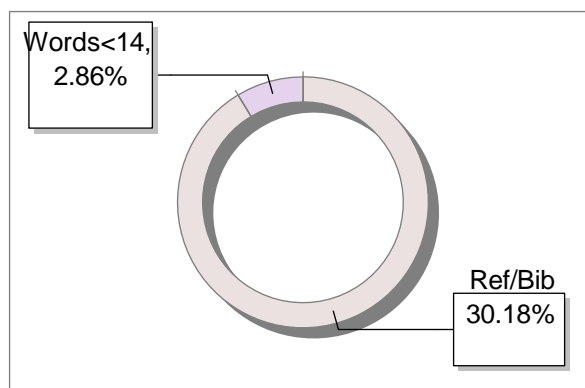
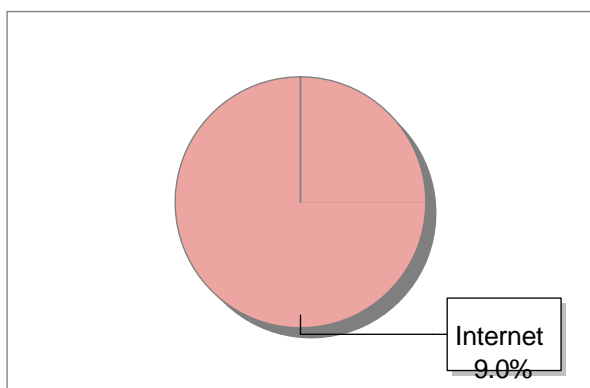
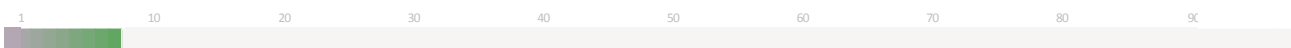
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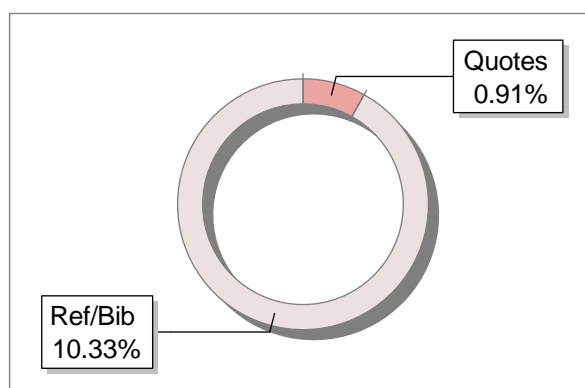
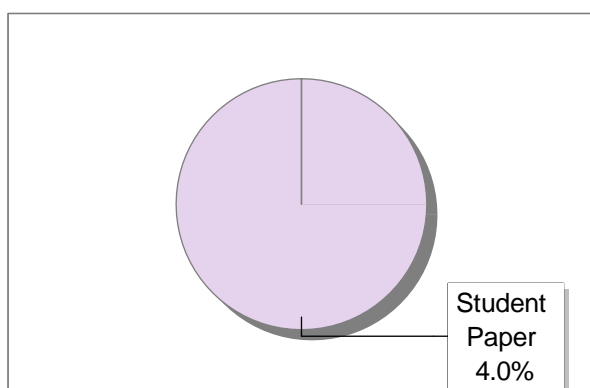
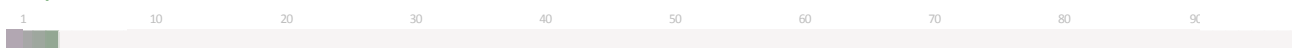
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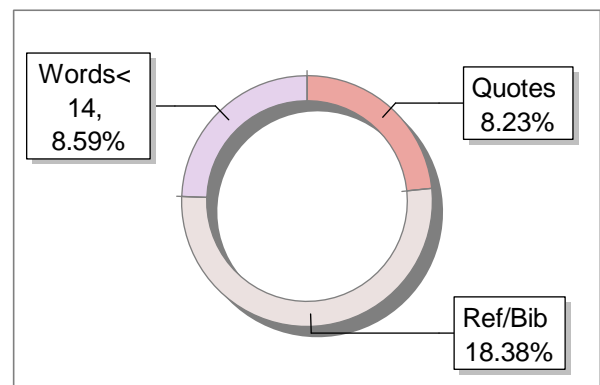
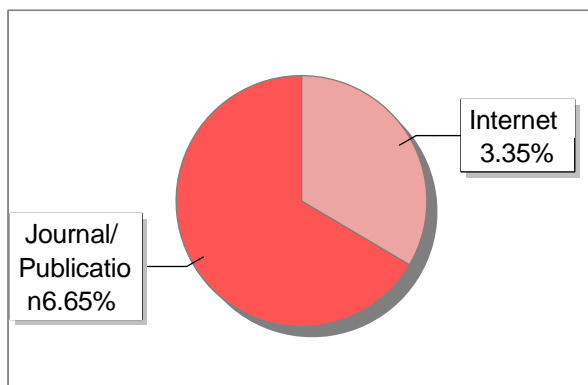
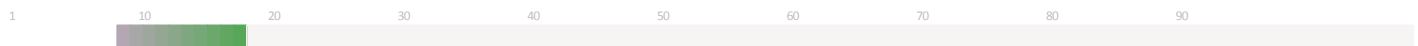
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## RESEARCH ADVISORY COMMITTEE/STUDENT RESOURCE FORUM

The Students' Resource Forum is an active students' wing of the Research Advisory Committee (RAC). The members of RAC motivate students to undertake various research projects.

The Students' Resource Forum has initiated projects which would be presented in Exploria, an annual intercollegiate research fest. Around 39 teams from the host college and 13 teams from across the state competed in the Research Fest EXPLORIA 2023, conducted on February 22, 2024. Five teams from Fatima College and five teams from among the other Colleges were selected for the final presentation.

The RAC reviews the research activities and plans ways and means to create a research culture on campus by developing the research acumen among staff and students. The Management through RAC provides seed money to staff members.

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- UPLOADED BY THE DEPARTMENT OF HOME SCIENCE WITH FOOD BIOTECHNOLOGY

