



# Fatima College

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*Affiliated to Madurai Kamaraj University*

*Re-Accredited with 'A++' (CGPA 3.61) 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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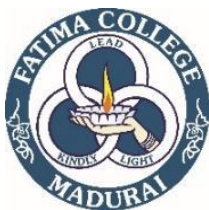
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## DISSECTION MONITORING COMMITTEE TO MINIMIZE USE OF ANIMALS IN DISSECTION

### 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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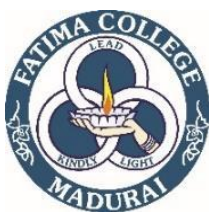
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2021 - 2022

DEPARTMENT OF ZOOLOGY	
Minutes of Dissection Monitoring Committee (DMC)	
The Dissection Monitoring Committee Meeting of the Department of Zoology was held on 09.04.2021 at 2.00 pm through on-line mode.	
Members - Present	
1. Dr. A. Tamil Selvi [Convener & Chairperson]	<i>[Signature]</i> 09/04/2021
2. Dr. Antony Amala Jayaseeli [Internal Member]	<i>[Signature]</i> 09/04/2021
3. Dr. N. Malathi [Internal Member]	<i>[Signature]</i> 09/04/2021
4. Dr. A. Rajeswari [Member] Assistant Professor Department of Chemistry Fatima College Madurai-18	<i>[Signature]</i> 09/04/2021
5. Dr. C. Ravi [External Member] Assistant Professor PG & Research Department of Zoology Thiagarajar College, Madurai.	<i>[Signature]</i> 09/04/2021
6. Dr. S. B. Bhatnagar [Member, Research Advisory Committee]	<i>[Signature]</i> 09/04/2021
The Dissection Monitoring Committee of Department of Zoology, Fatima College reviewed the current Syllabi of I UG Lab courses & I PG Lab course.	
I B.Sc - Semester I - Lab - Invertebrata & Cell Biology	
Semester II - Lab - Chordata & Genetics	
I M.Sc - Semester I - Lab in Animal Diversity & Microbiology	
The following suggestions are given regarding these practical courses:-	
1) The current Syllabi of both UG & PG Lab courses are framed intune with the guidelines of UGC and only permitted animal models are used for dissection.	



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2018

- 2) The following suggestions can be considered while doing the next Revision of the syllabus.
- Fish can be used as an experimental model for performing the dissection in both UG Lab course - Chordata & Genetics and the PG Lab course - Animal Diversity & Microbiology as the usage of fish is allowed by the UGC guidelines.
  - While framing the syllabus of the PG Lab course - Lab in Animal Diversity & Microbiology, equal weightage can be given to both the subjects.

Members -

1. Dr. A. Tamil Selvi
2. Dr. Antony Amala Jayaseeli
3. Dr. N. Malathi
4. Dr. A. Rajeswari
5. Dr. C. Ravi [External Subject Expert]
6. Dr. S. Barathy  
(Member, Research Advisory Committee)  
(RAC)  
Fatima College, Madurai-18

*[Signature]* 09/04/2021

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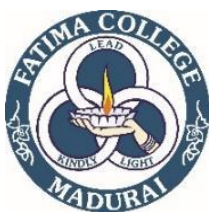
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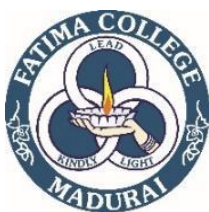
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## INSTRUMENTS TO FACILITATE RESEARCH

### MICRO WAVE SYNTHESIZER (CHEMISTRY)



Lat:9°56'54.1" Long:78°05'51.8" S169° 138M Fatima College (Autonomous)



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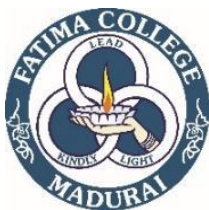
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## TEMPERATURE CONTROLLED MECHANICAL SHAKER (CHEMISTRY)





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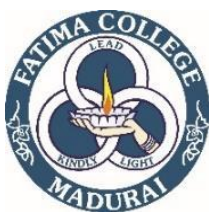
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## UV – VISIBLE SPECTROMETER (CHEMISTRY)



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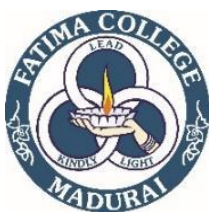
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## ROTOR VAPOUR WITH VACUUM PUMP (CHEMISTRY)







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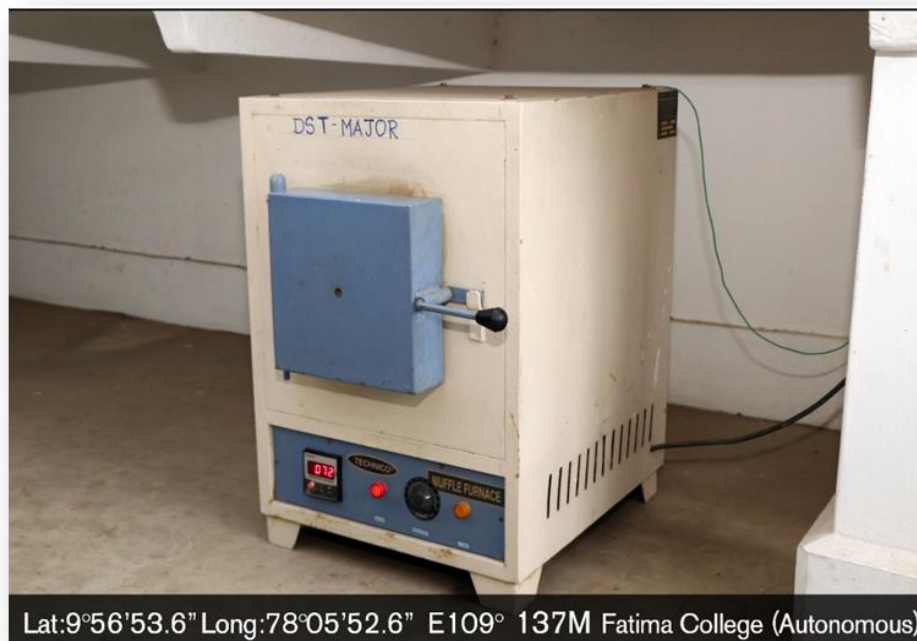
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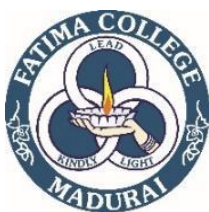
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## SONICATOR (PHYSICS)



## MUFFLE FURNACE (PHYSICS)





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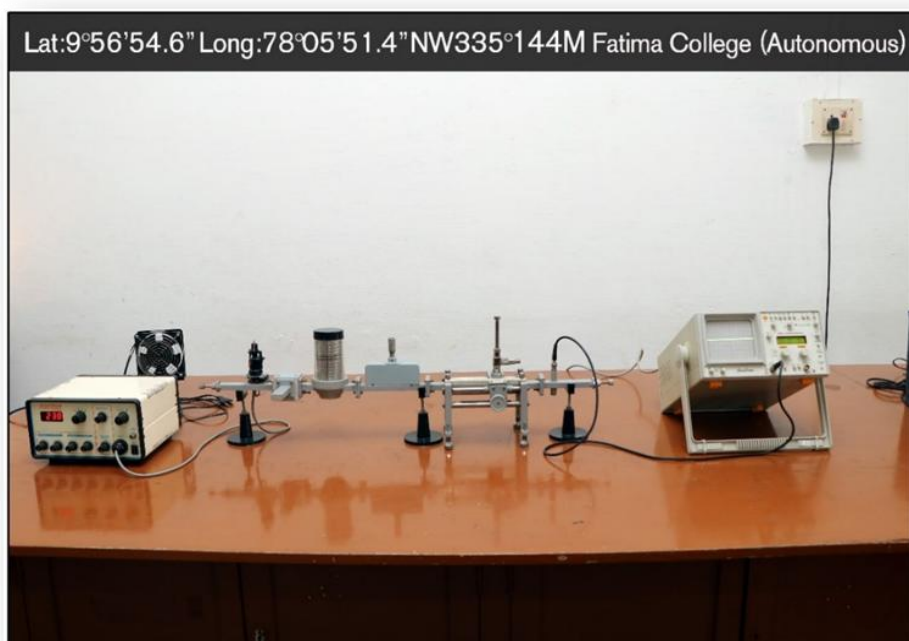
Mary Land, Madurai - 625018, Tamil Nadu

## HOT AIR OVEN (PHYSICS)

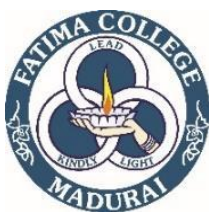


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## MICROWAVE LAB KIT (PHYSICS)



Lat:9°56'54.6" Long:78°05'51.4" NW335°144M Fatima College (Autonomous)



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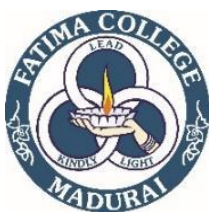
## LCR HI TESTER (PHYSICS)



## LAMINAR AIR FLOW CHAMBER (HOME SCIENCE)







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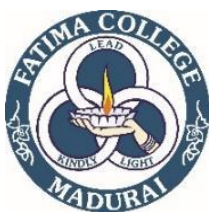
## GAS CHROMATOGRAPHY (HOME SCIENCE)



## ATOMIC ABSORPTION SPECTRO PHOTOMETER (HOME SCIENCE)







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## SHRINKAGE SCALE TEMPLATE (HOME SCIENCE)





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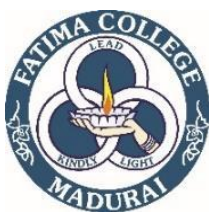
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## MODIFIED ATMOSPHERIC PACKAGING (HOME SCIENCE)





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## ROTARY SHRINK WRAPPER (HOME SCIENCE)

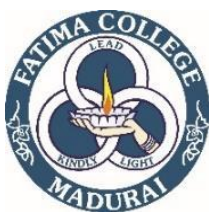


Lat:9°56'52.3" Long:78°05'58.0" N350° 136M Fatima College (Autonomous)

## ELECTRONIC FABRIC TENSILE STRENGTH TESTER (HOME SCIENCE)



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# Fatima College

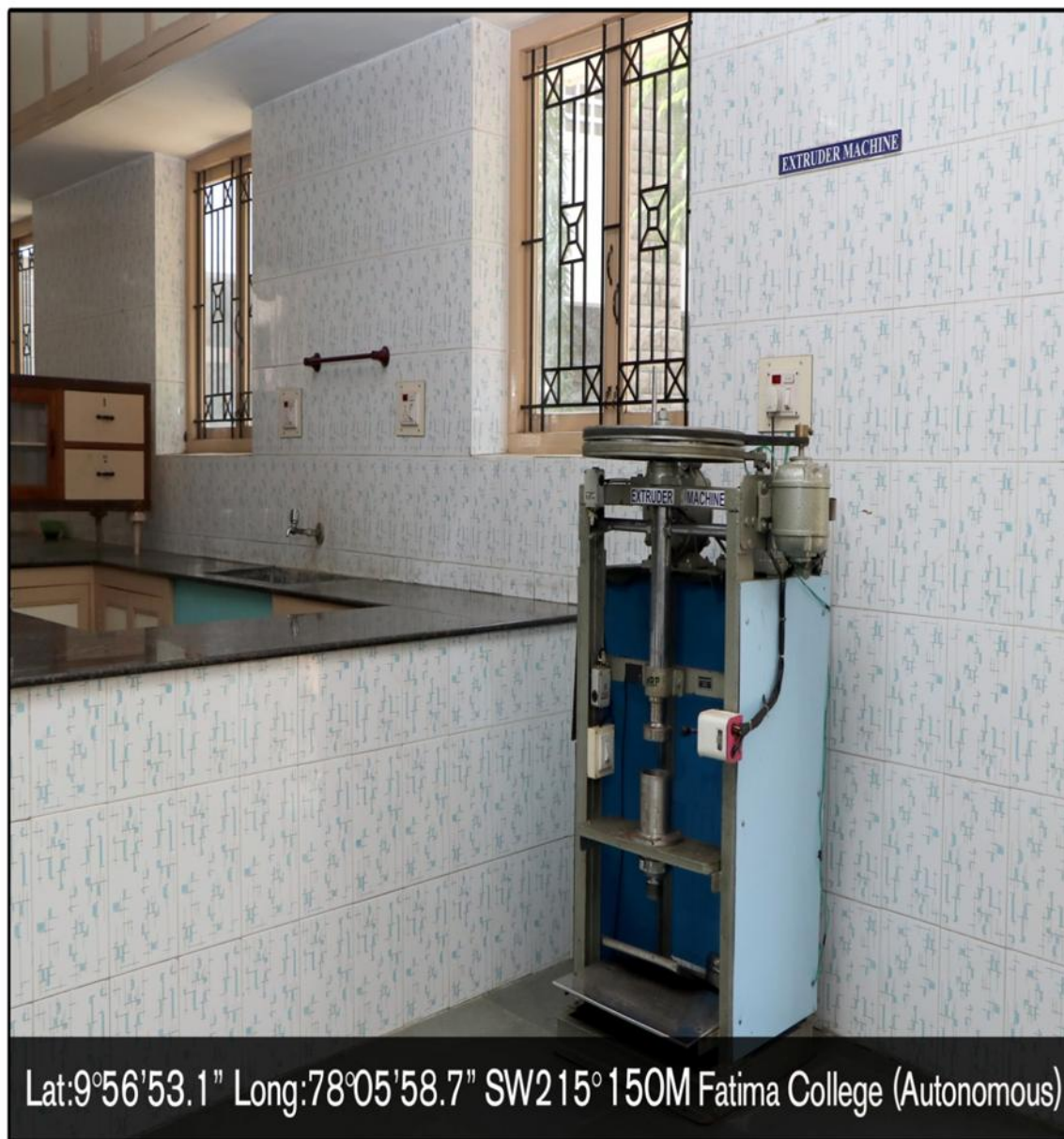
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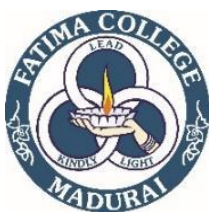
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## EXTRUDER MACHINE (HOME SCIENCE)



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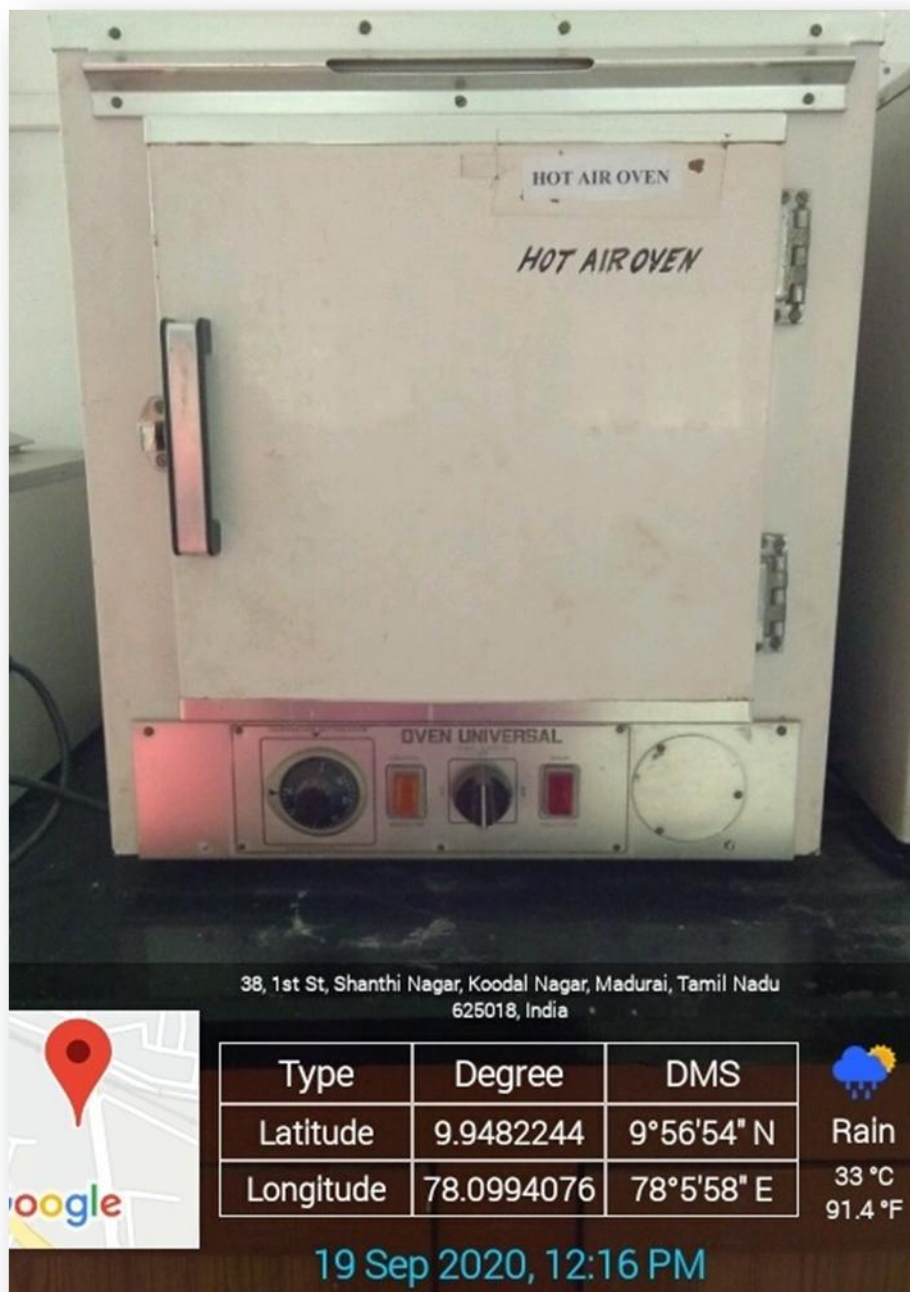
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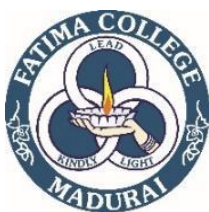
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## HOT AIR OVEN (ZOOLOGY)





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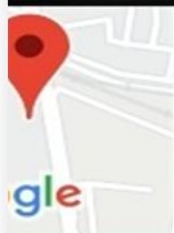
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## INCUBATOR (ZOOLOGY)

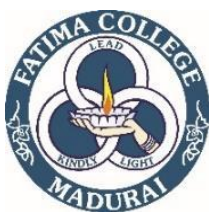


38, 1st St, Shanthi Nagar, Koodal Nagar, Madurai, Tamil Nadu  
625018, India



Type	Degree	DMS
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Longitude	78.0994076	78°5'58" E

19 Sep 2020, 12:17 PM



# Fatima College

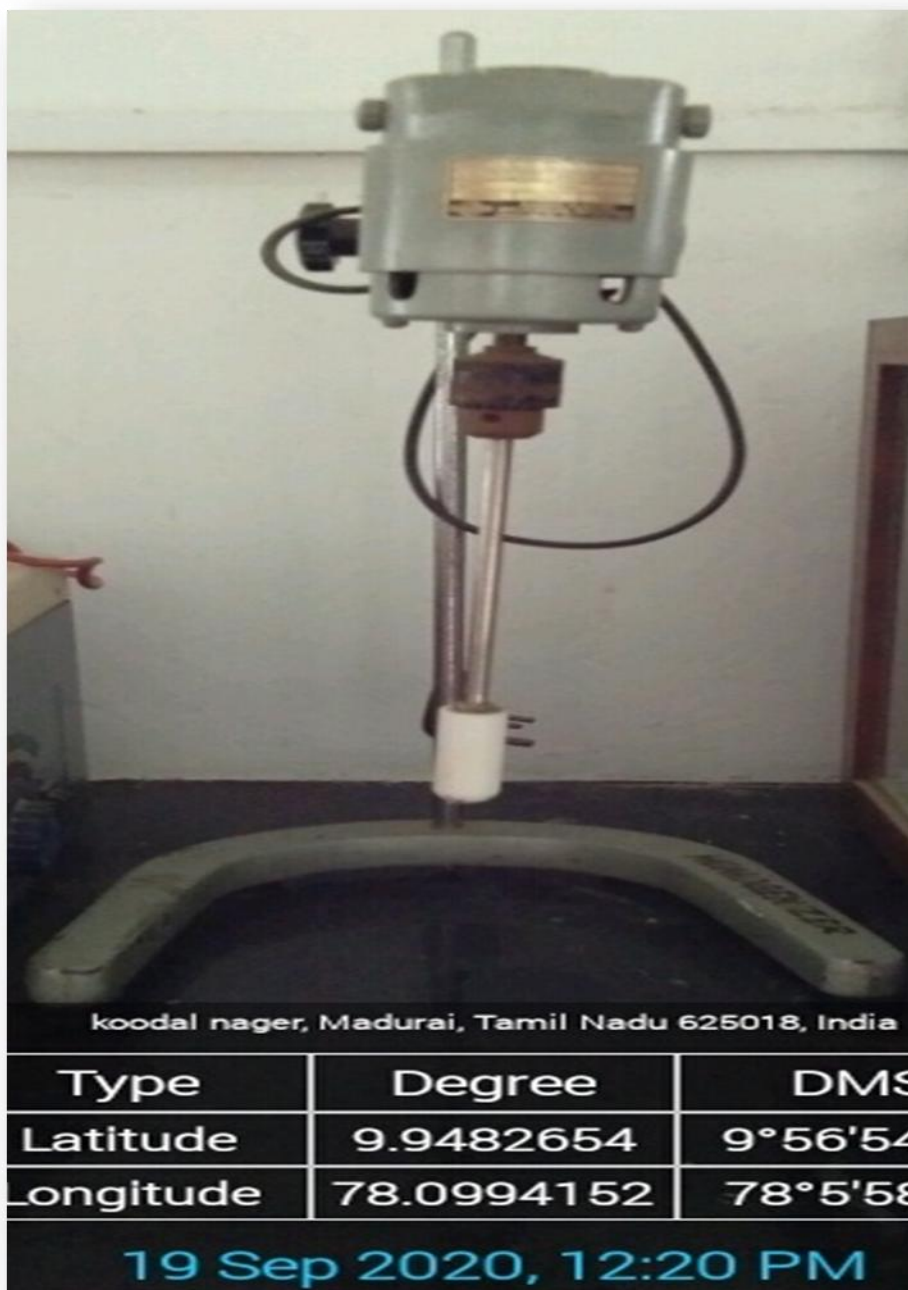
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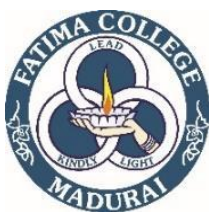
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## HOMOGENIZER (ZOOLOGY)





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## DIGITAL PHOTO COLORIMETER (ZOOLOGY)



koodal nager, Madurai, Tamil Nadu 625018, India

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Rain

33 °C

91.4 °F

19 Sep 2020, 12:24 PM





# Fatima College

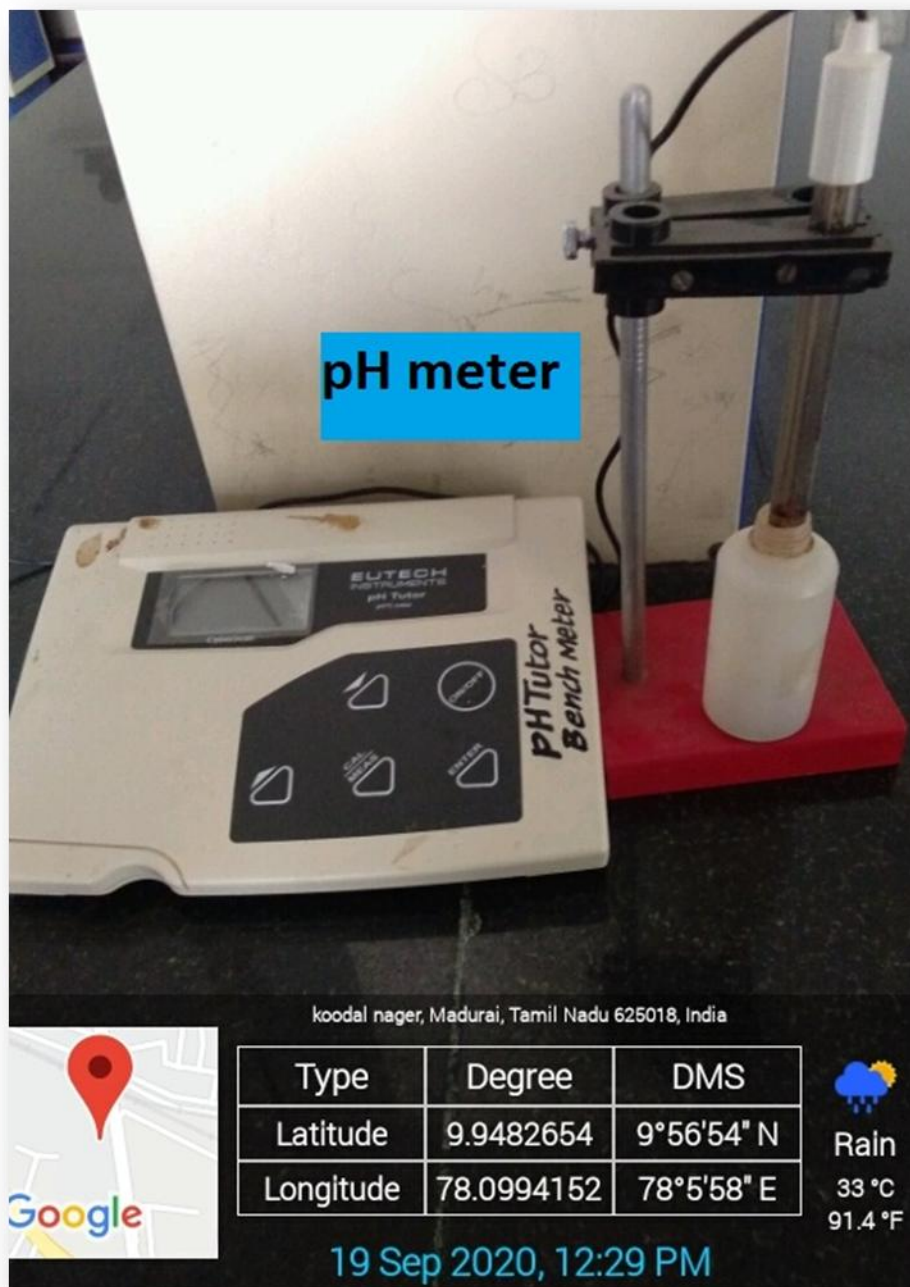
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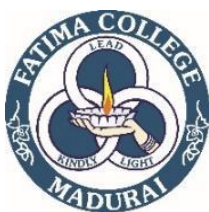
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## PH METER (ZOOLOGY)





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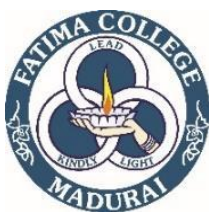
## THERMO CYCLER (PCR) (ZOOLOGY)



koodal nager, Madurai, Tamil Nadu 625018, India

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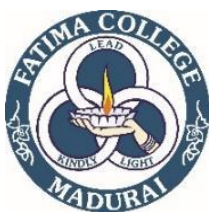
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## MICRO CENTRIFUGE (1 – 2 ML) (ZOOLOGY)







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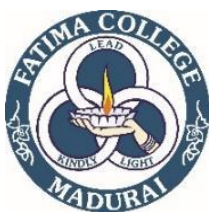
## COOLING MICROFUGE (ZOOLOGY)



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







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## SOXHLET APPARATUS (ZOOLOGY)

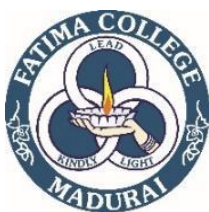


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## MUFFLE FURNACE (ZOOLOGY)



Type	Degree	DMS
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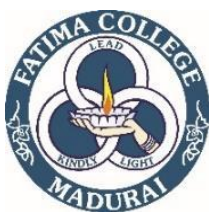
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## UV TRANS ILLUMINATOR (ZOOLOGY)





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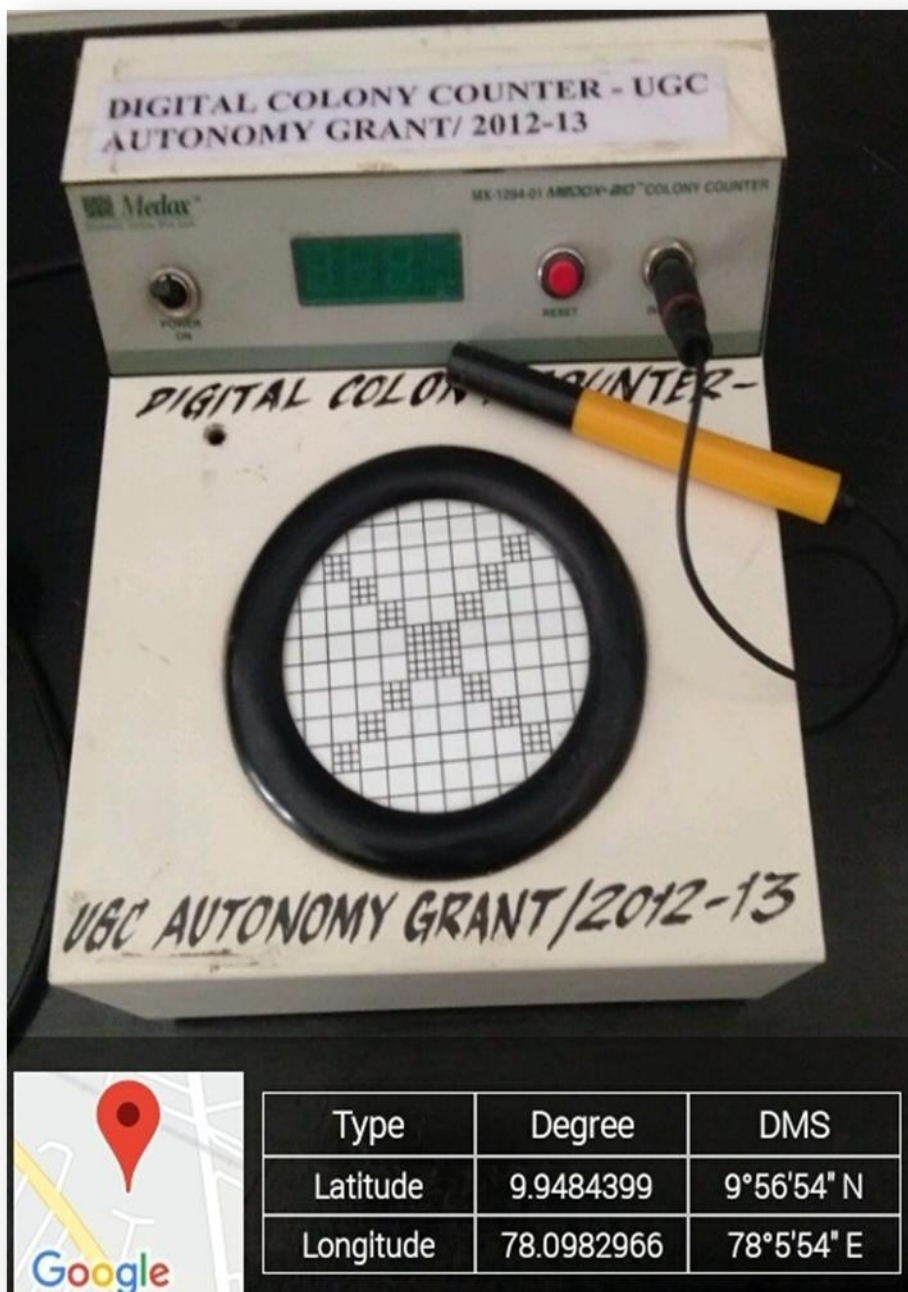
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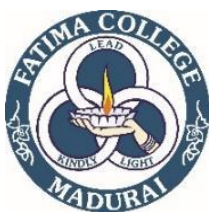
Mary Land, Madurai - 625018, Tamil Nadu

## DIGITAL COLONY COUNTER (ZOOLOGY)



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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)



# Fatima College

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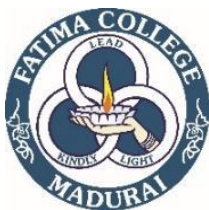
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## INSTRUMENTATION CENTRE





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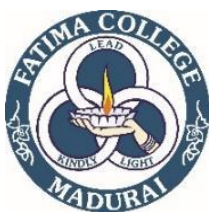
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## WI-FI POINTS







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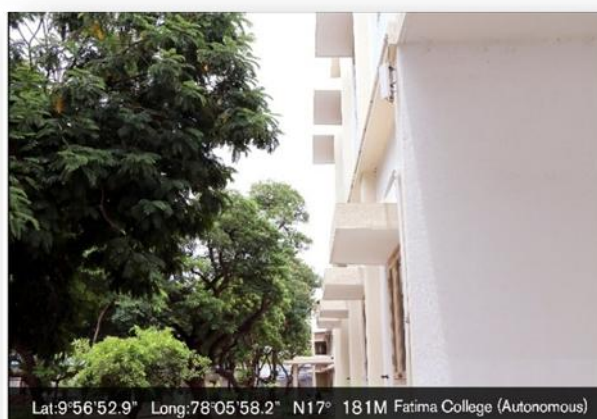
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Lat:9°56'52.9" Long:78°05'58.2" N17° 181M Fatima College (Autonomous)



Lat:9°56'55.2" Long:78°05'57.5" S177° 172M Fatima College (Autonomous)





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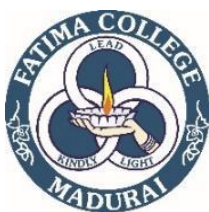
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Lat:9°56'54.5" Long:78°05'57.8" S167° 174M Fatima College (Autonomous)



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



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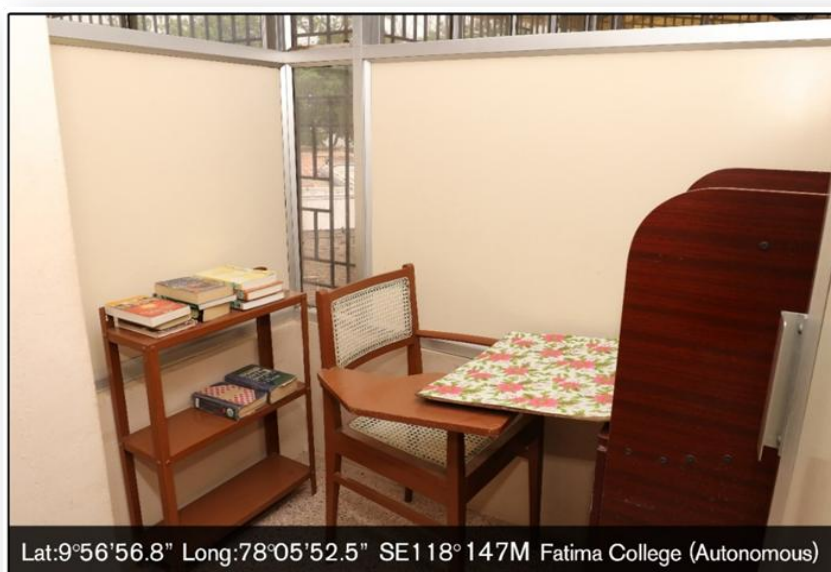
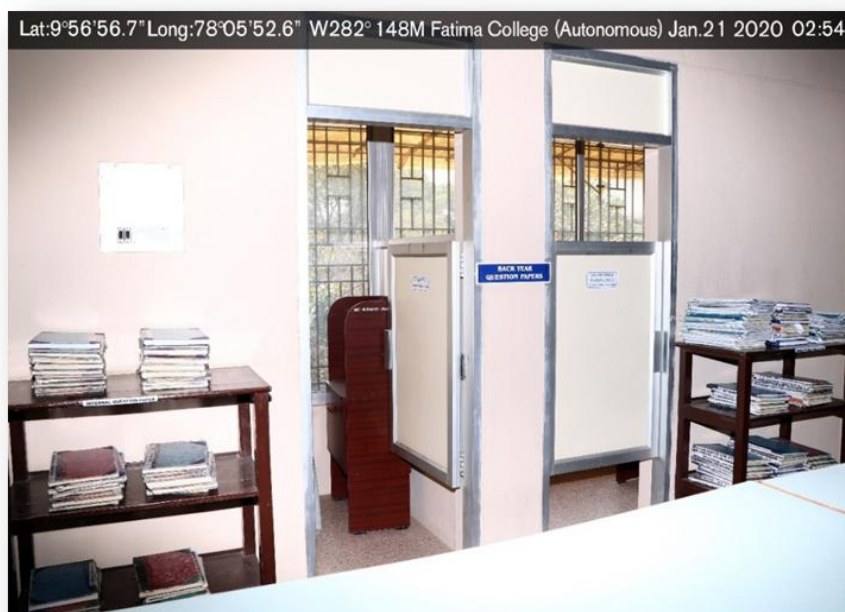
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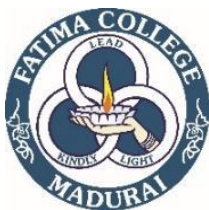
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## INFRASTRUCTURE FOR RESEARCH

### CUBICLES IN THE LIBRARY FOR RESEARCHERS





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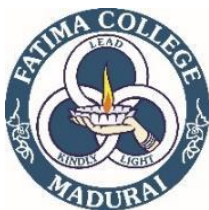
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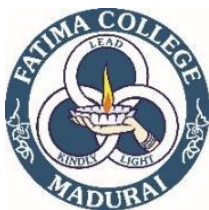
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## URKUND SOFTWARE APPLICATION

### URKUND SOFTWARE – TOOL TO CHECK PLAGIARISM

	<b>e-Galactic</b>	B 302, Supreme Palms, Balewadi, Pune - 411045 Phone: +919689889311 Email: nishasarda@egalactic.in	
<b>Invoice</b>			
Invoice No: 2020/EG/0111 DATE: 24-Mar-21 <b>Customer Information</b> Fatima College (Autonomous) Mary Land Madurai - 625001 Tamil Nadu <b>Client GST No.: 33AAFTS5007E2ZT</b>			
S.No.	Particulars	Tax rate	Amount
1	URKUND Anti Plagiairism Licenses for a maximum of 500 Students with URSA Minor Access for a period of 12 months		106500
2	IGST @ 18%	18%	19170
	<b>TOTAL</b>		<b>125670</b>
Amount in words :Rupees One lakh twenty-five thousand six hundred seventy only.			
<b>E &amp; OE</b>		FOR eGalactic	
		Authorised Signatory	
1. Cheque to be issued in favor of "eGalactic" 2. HDFC Bank, Account No: 50200032330418 3. IFS Code: HDFC0000223 4. PAN No. AVRPS3430L 5. GST No: 27AVRPS3430L3ZW 6. HSN Code: 998399			





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EGalactic/URKUND, May 2018



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## URKUND LICENSE AGREEMENT

Customer (Company/educational organisation/school)	Fatima college
Billing Address	The Principal Fatima College (Autonomous) Mary Land Madurai, Tamil Nadu – 625001
Contact Person Name	Dr Sujata
Contact Person Email	<a href="mailto:fatimacollegelibrary@gmail.com">fatimacollegelibrary@gmail.com</a>
Contact Person Phone / Mobile	+91 – 99529 66926
Contact Person Address	Same as above

## Specification

Particulars	Total in INR
License URKUND Academic, 12 months for a maximum of 500 Students including web training and URSA Minor Access	1,06,500/-

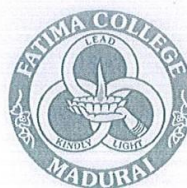
**Additional GST @ 18% would be applied on the above**

Signature

License Period (Renewal): 3<sup>rd</sup> May 2021

Signature	Signature
For Institute:	For eGalactic: Nisha Sarda
Institute Details:	eGalactic B – 302, Supreme Palms, Balewadi, Pune – 411045
Date:	Date: 5 <sup>th</sup> March 2021
City / Town:	City / Town: Pune
	Contact Details: <a href="mailto:prakash.sarda@egalactic.in">prakash.sarda@egalactic.in</a>

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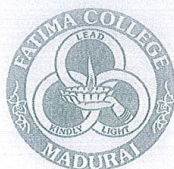


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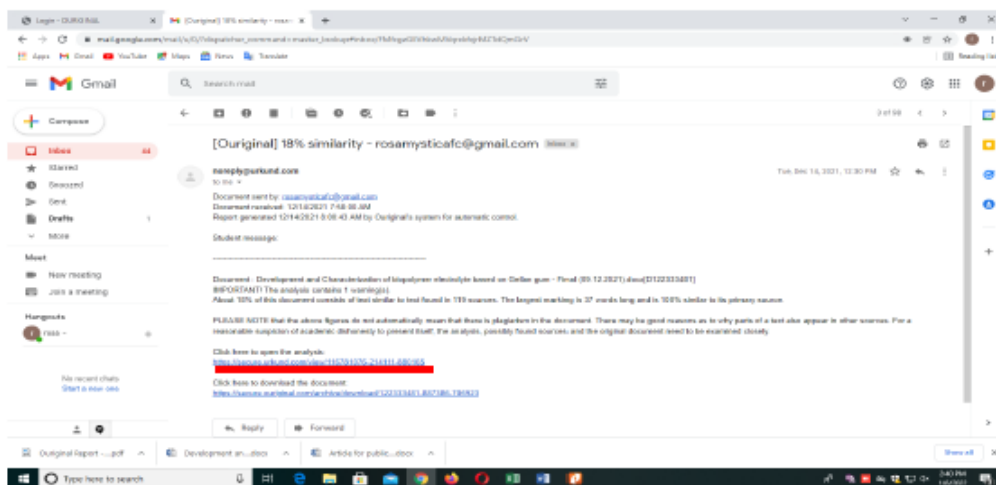
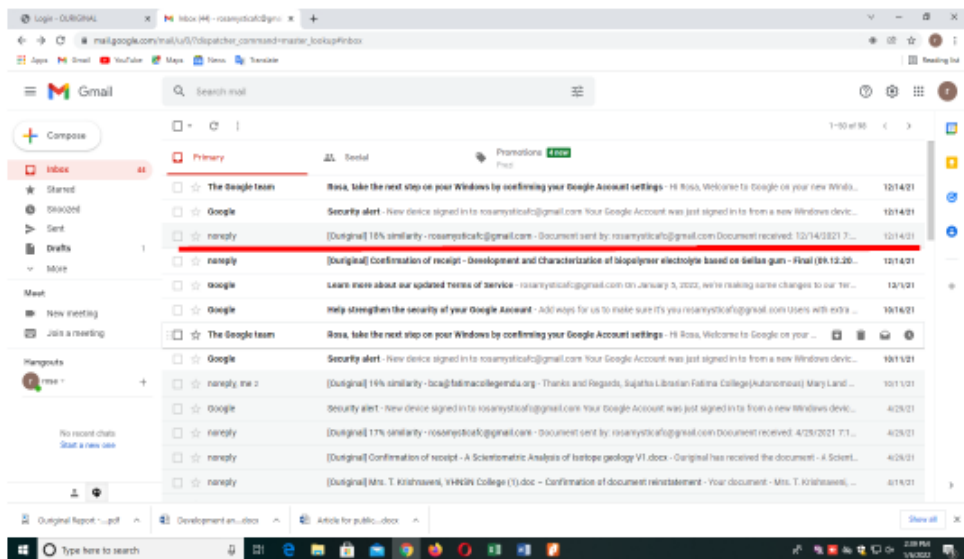


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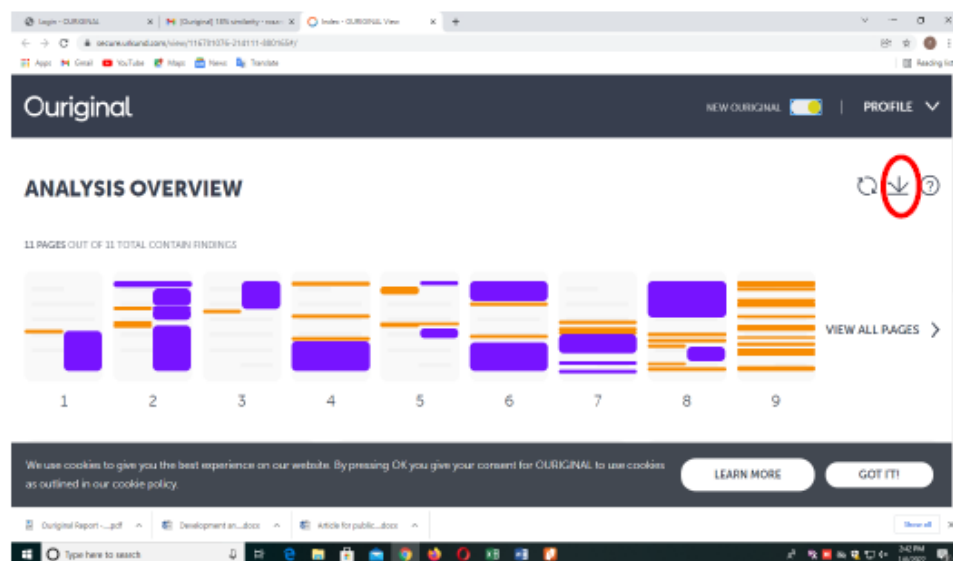
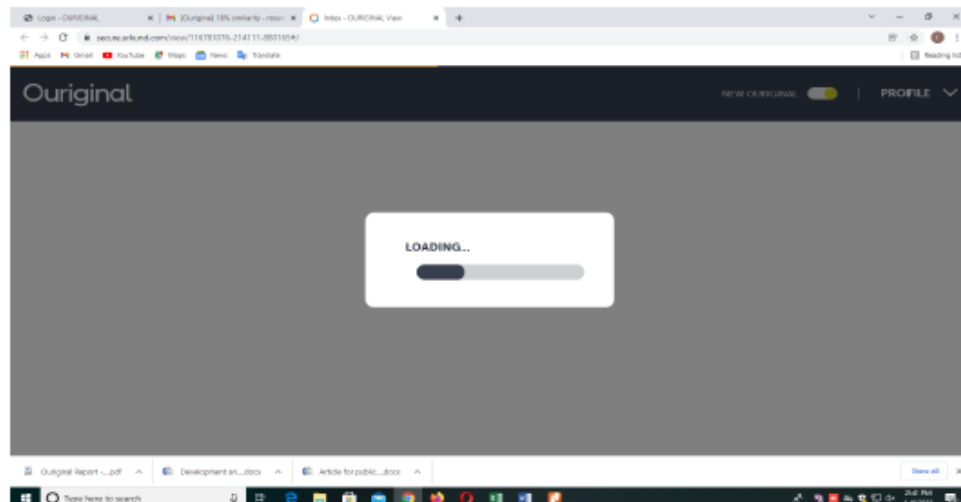


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Document Information

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Submitted	2021-12-04T07:59:30.0000000
Submitted by	Rosemyrica
Submitter email	rosemyrica@gmail.com
Similarity	15%
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Sources included in the report

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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 were presented in Exploria 2022. Around 92 projects were presented by 150 students during the Research Fest Exploria 2022, conducted on May 13<sup>th</sup> 2022.

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. Exploria, an Intercollegiate Research Fest, is organised annually. The Management through RAC provides seed money to staff members.

## **NUTRICAL SOFTWARE DEVELOPED BY THE RESEARCH CENTRE OF HOME SCIENCE**

### **INTRODUCTION**

- **CALCULATES NUTRITIVE VALUE OF EDIBLE FOOD AS PER THE NUTRITIVE VALUE OF INDIAN FOOD IN EXCEL FORMAT**
- **UPLOADED BY THE DEPARTMENT OF HOME SCIENCE WITH FOOD BIOTECHNOLOGY**

### **CONTACT**

**Email : [vasanthaerani@gmail.com](mailto:vasanthaerani@gmail.com)**



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Nutritive Values [Compatibility Mode] - Excel

	A	B	C	D	E	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
						Moisture g	Protein (N x 6.25) g	Fat g	Minerals g	Fibre g	CHO g	Energy K cal	Calcium mg	Phosphorous mg	Iron mg	Carotene	Thiamine	Riboflavin	Niacin	Total B6	Folic Acid Free	Total	Vit. C	Choli
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Enter Values in Yellow Boxes