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101 - 150 Rank Band in India Ranking 2021 (NIRF)

Mary Land, Madurai - 625 018, 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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2020 - 2021

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 [Convenor & Chairperson] *Deviy 09/04/2021*
2. Dr. Antony Amala Jayaseeli [Internal Member] *Antony Amala Jayaseeli 09/04/2021*
3. Dr. N. Malathi [Internal Member] *Malathi 09/04/2021*
4. Dr. A. Rajeswari [Member] *A. Rajeswari 09/04/2021*
Assistant Professor
Department of Chemistry
Fatima College
Madurai-18
5. Dr. C. Ravi [External Member] *Ravi 09/04/2021*
Assistant Professor
PG & Research Department of Zoology
Thiagarajar College, Madurai.
6. Dr. S. Baniathy [Member, Research Advisory Committee] *S. Baniathy 7/4/2021*

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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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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TEMPERATURE CONTROLLED MECHANICAL SHAKER (CHEMISTRY)





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UV – VISIBLE SPECTROMETER (CHEMISTRY)





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ROTOR VAPOUR WITH VACUUM PUMP (CHEMISTRY)





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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)



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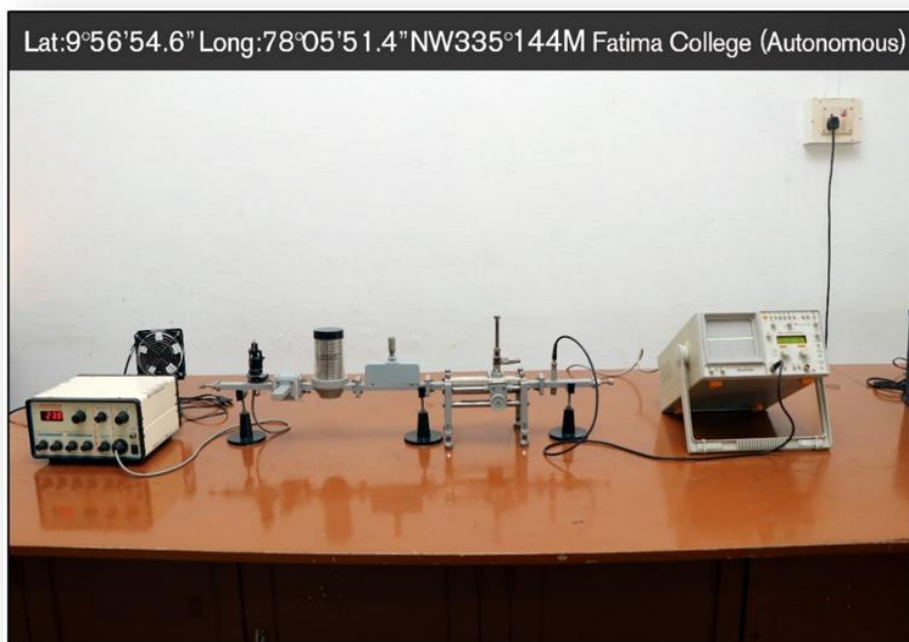


HOT AIR OVEN (PHYSICS)



Lat:9°56'53.8" Long:78°05'52.5" SE116°137M Fatima College (Autonomous)

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)



Lat:9°56'53.8" Long:78°05'51.9" S189° 150M Fatima College (Autonomous)

LAMINAR AIR FLOW CHAMBER (HOME SCIENCE)



Lat:9°56'53.9" Long:78°05'55.8" N7° 143M Fatima College (Autonomous)



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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)



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

ELECTRONIC FABRIC TENSILE STRENGTH TESTER (HOME SCIENCE)



Lat:9°56'53.4" Long:78°05'57.9" N343° 153M Fatima College (Autonomous)



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EXTRUDER MACHINE (HOME SCIENCE)





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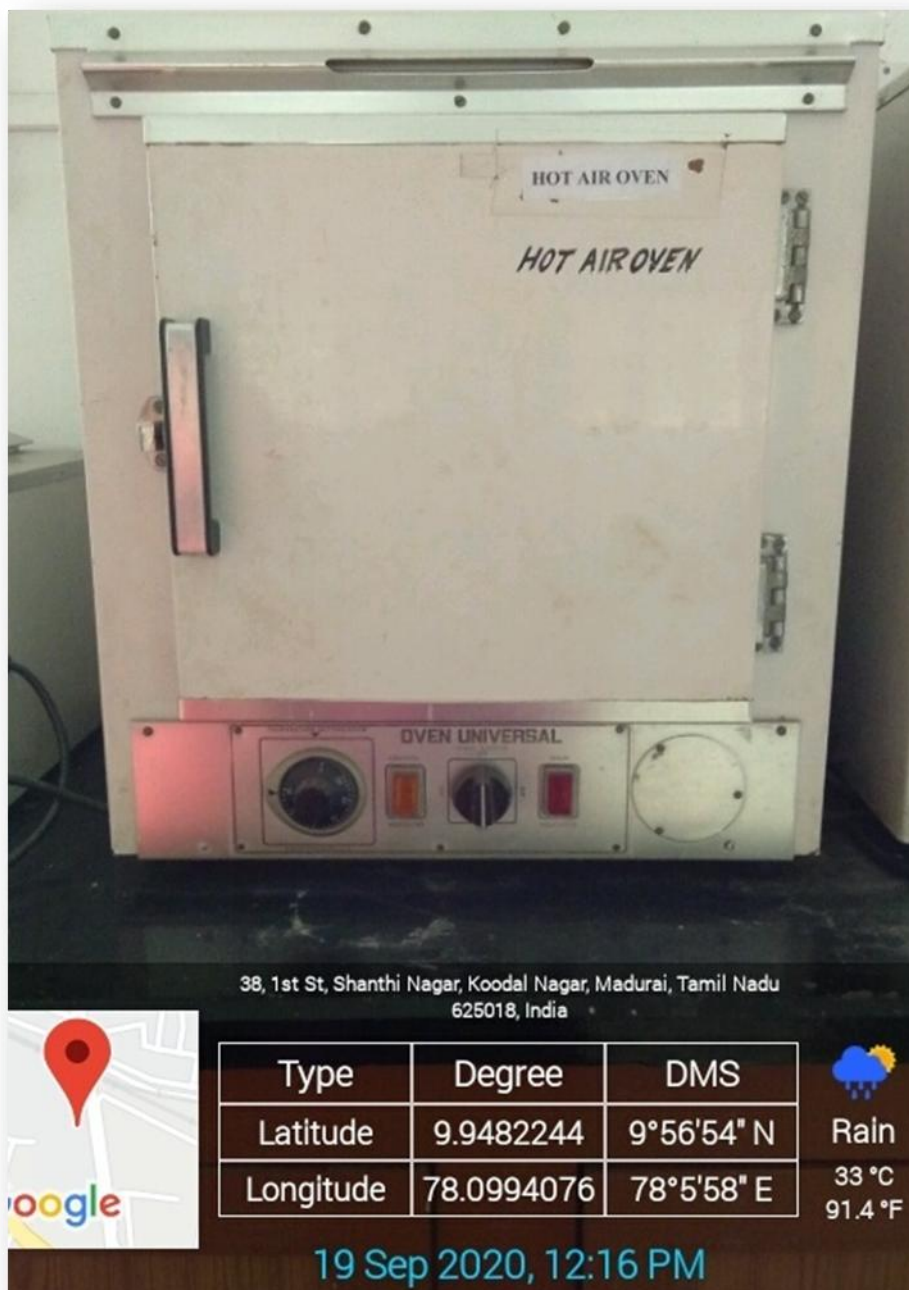
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HOT AIR OVEN (ZOOLOGY)





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INCUBATOR (ZOOLOGY)





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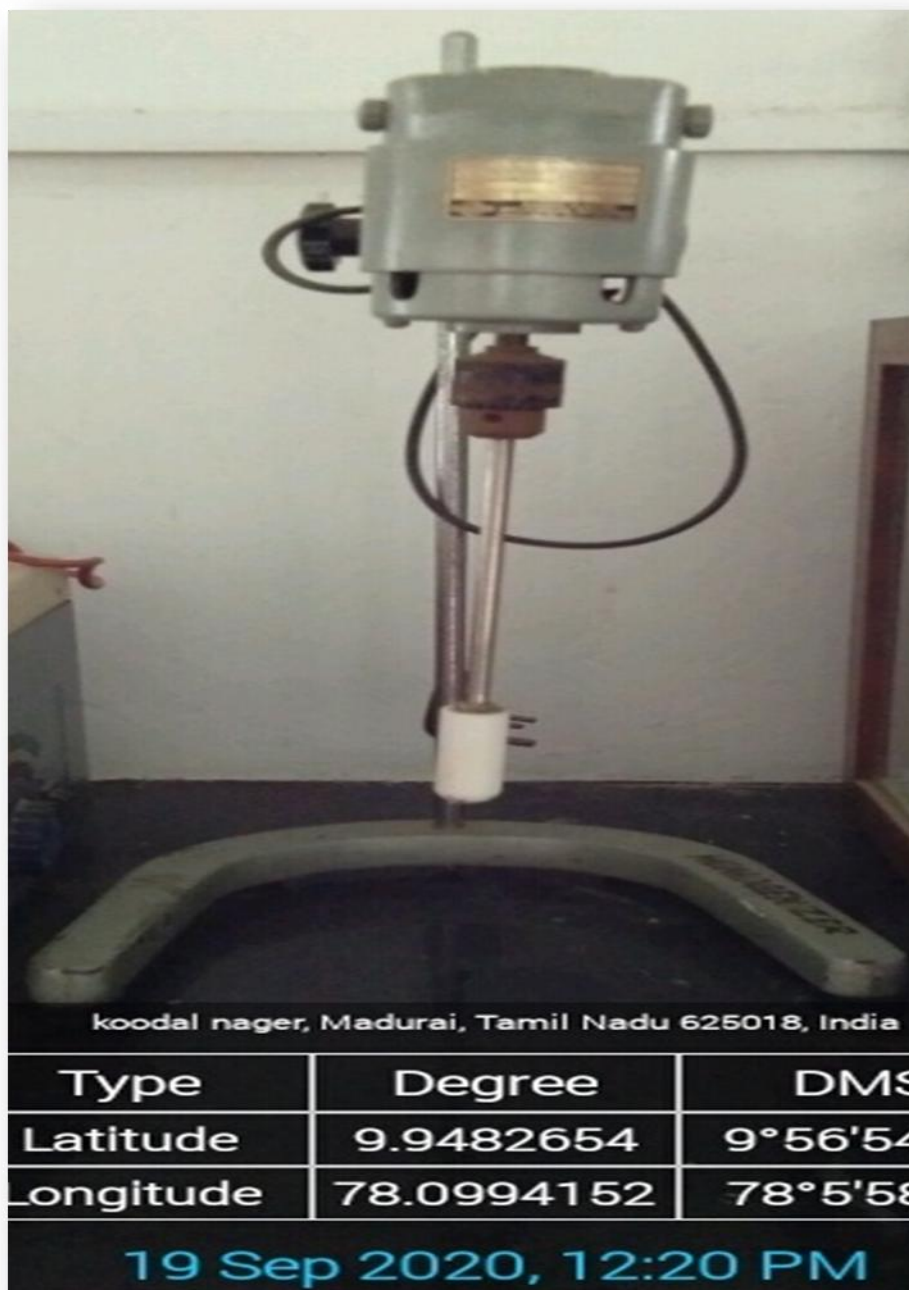
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HOMOGENIZER (ZOOLOGY)



koodal nager, Madurai, Tamil Nadu 625018, India

Type	Degree	DMS
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Longitude	78.0994152	78°5'58

19 Sep 2020, 12:20 PM



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DIGITAL PHOTO COLORIMETER (ZOOLOGY)





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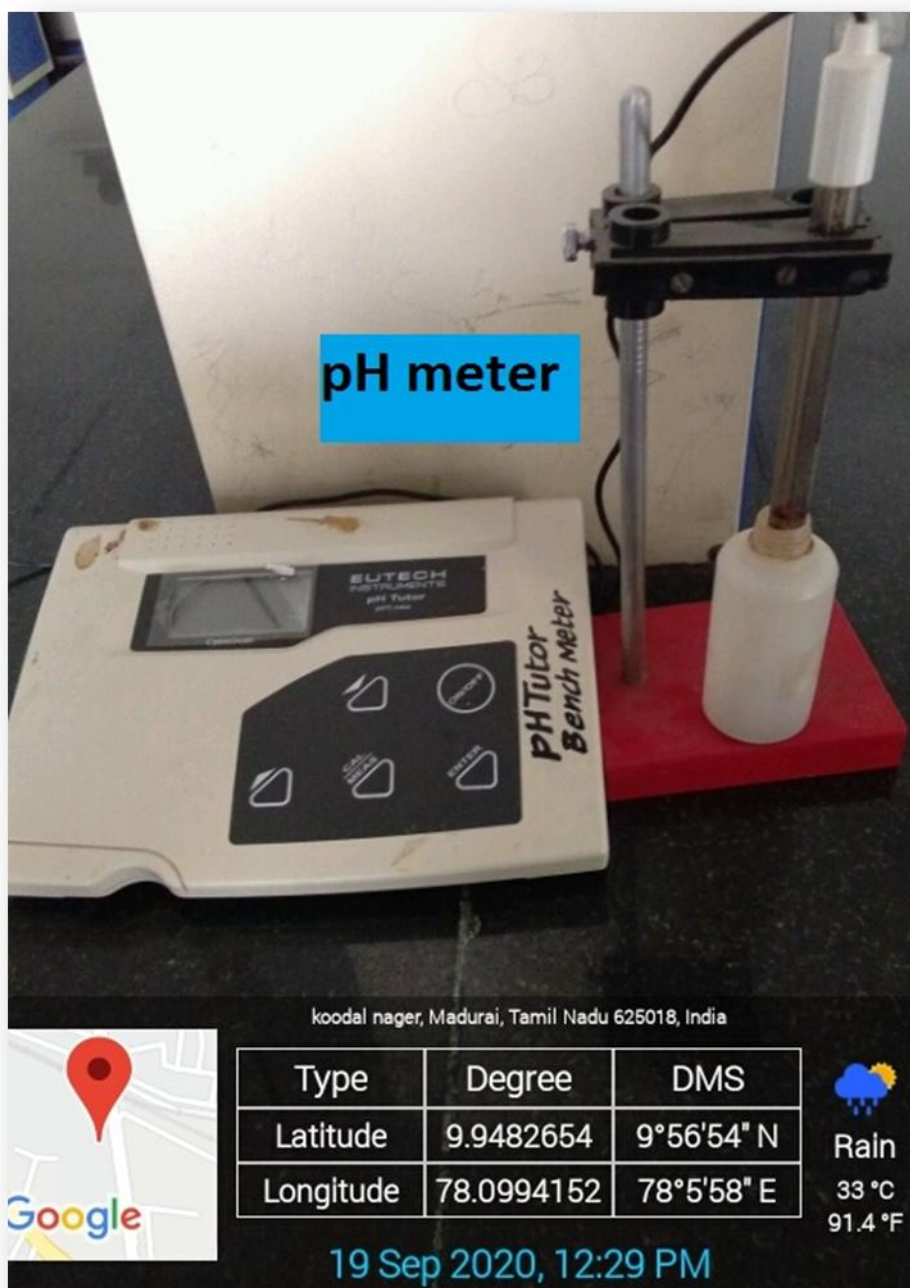
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PH METER (ZOOLOGY)





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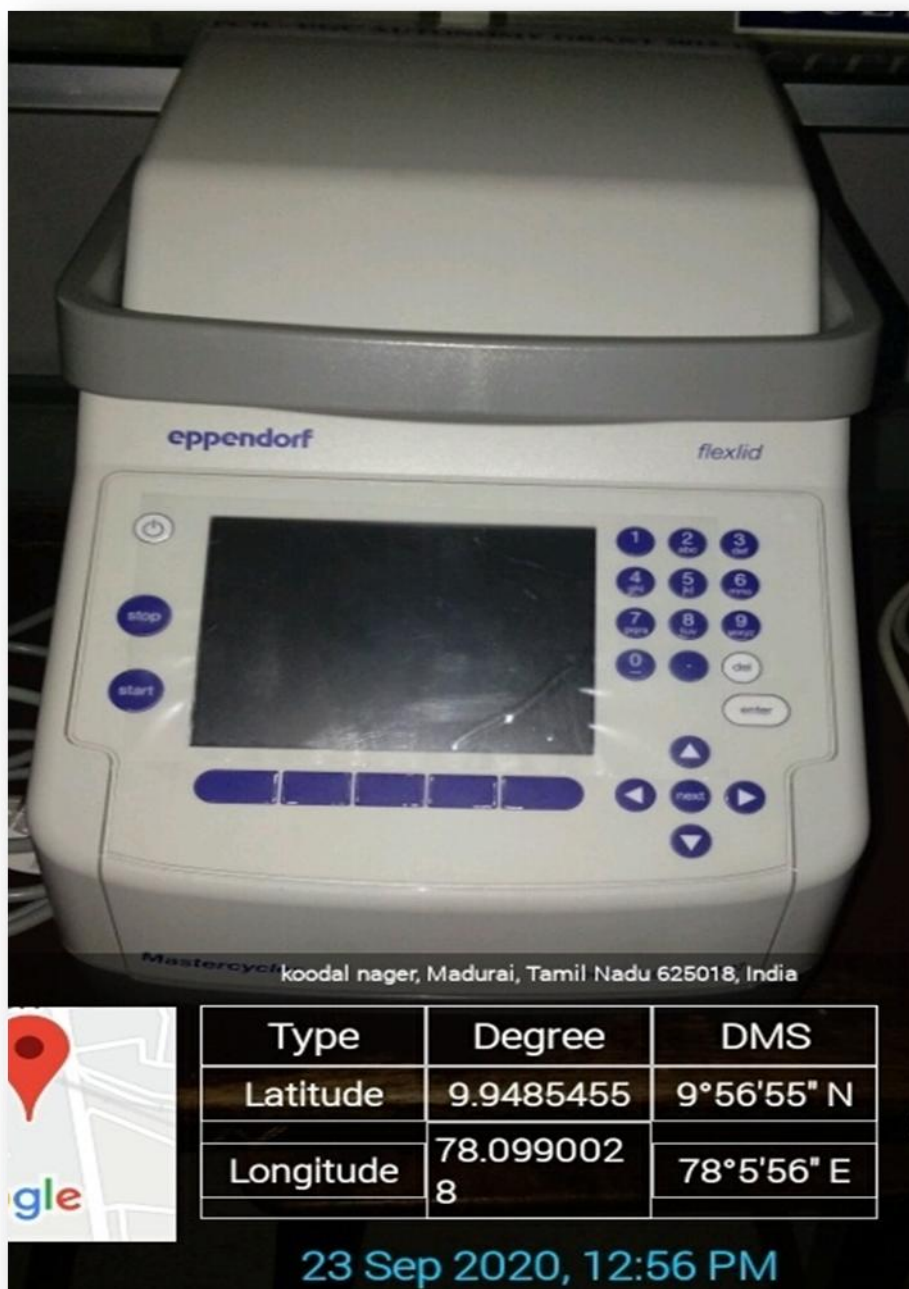
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THERMO CYCLER (PCR) (ZOOLOGY)





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MICROCENTRIFUGE (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)



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

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MUFFLE FURNACE (ZOOLOGY)



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

30 Sep 2020, 11:06 AM



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UV TRANSILLUMINATOR (ZOOLOGY)





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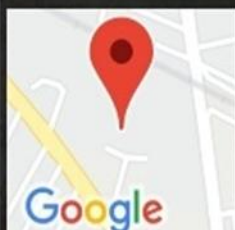
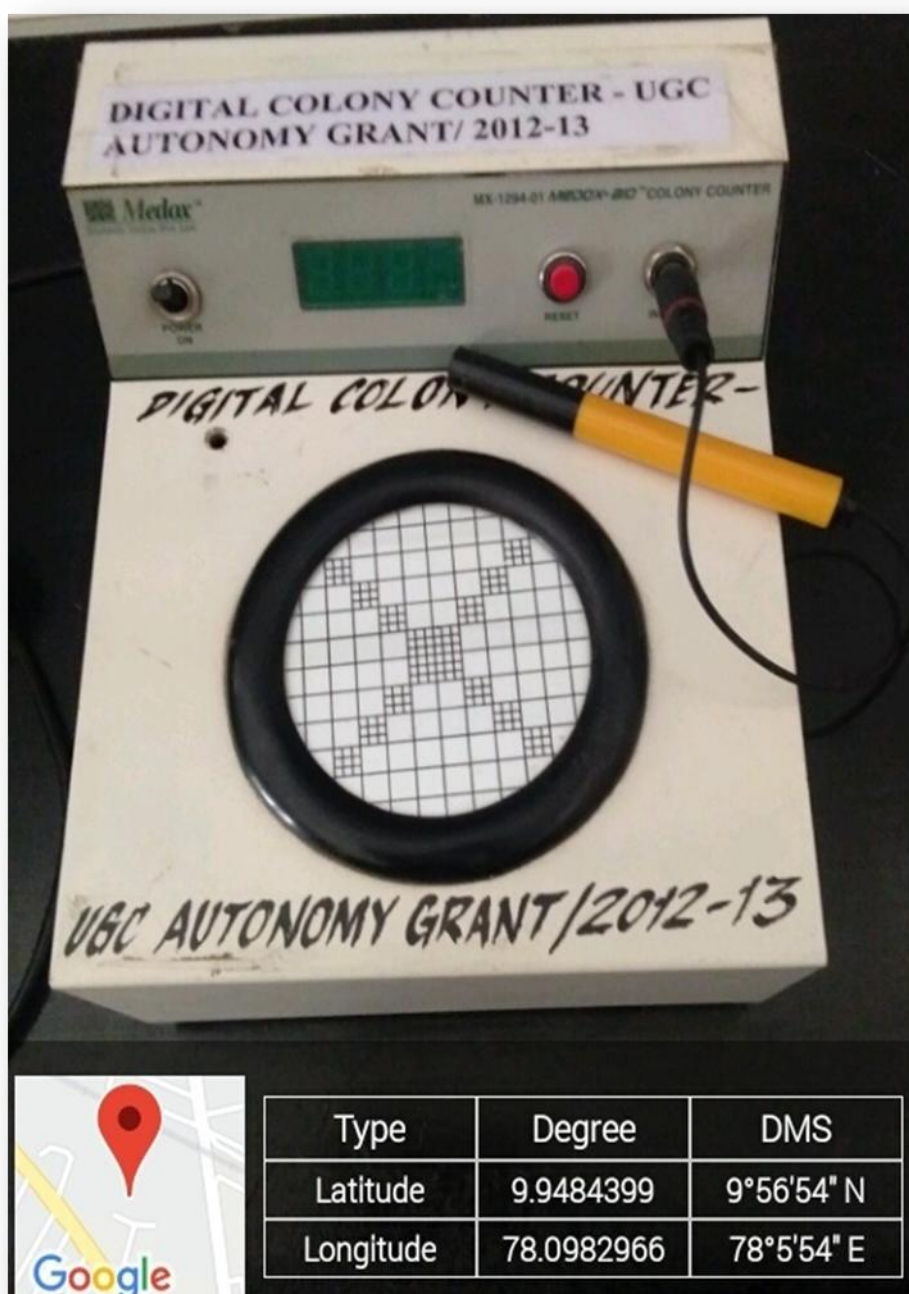
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DIGITAL COLONY COUNTER (ZOOLOGY)



Type	Degree	DMS
Latitude	9.9484399	9°56'54" N
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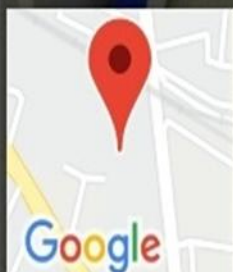
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LAMINAR AIR FLOW (ZOOLOGY)



Type	Degree	DMS
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Longitude	78.0989978	78°5'56" E



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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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INSTRUMENTATION CENTRE

Lat:9°56'53.3" Long:78°05'57.4" N5° 383M Fatima College (Autonomous)



Lat:9°56'53.2" Long:78°05'58.0" NW325° 373M Fatima College (Autonomous)



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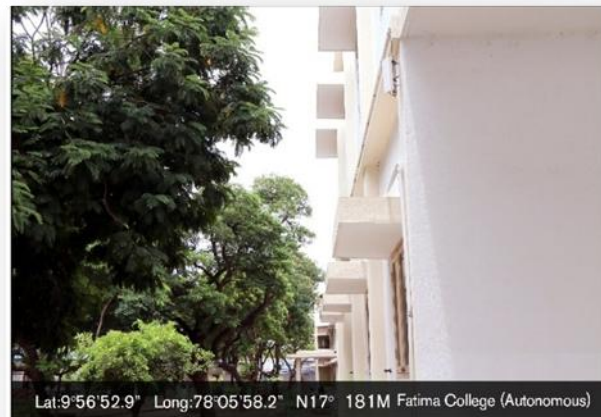
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Wi-Fi POINTS





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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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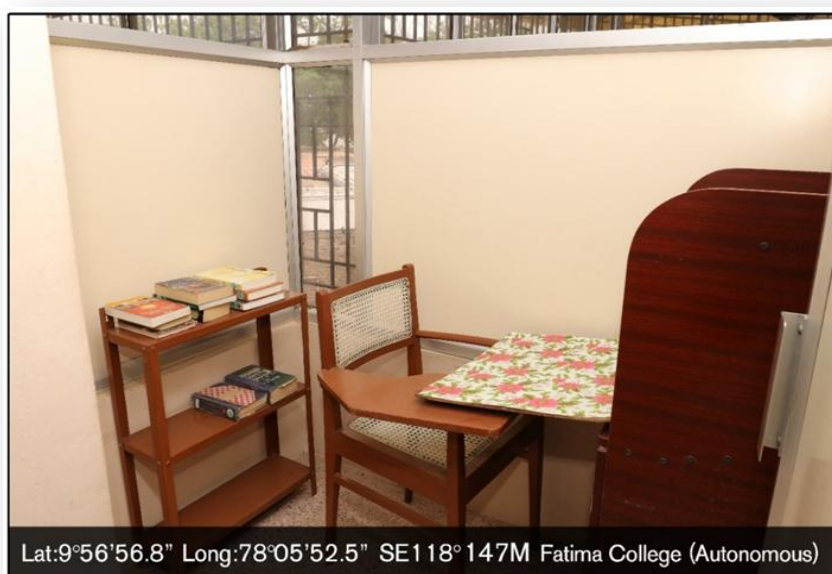
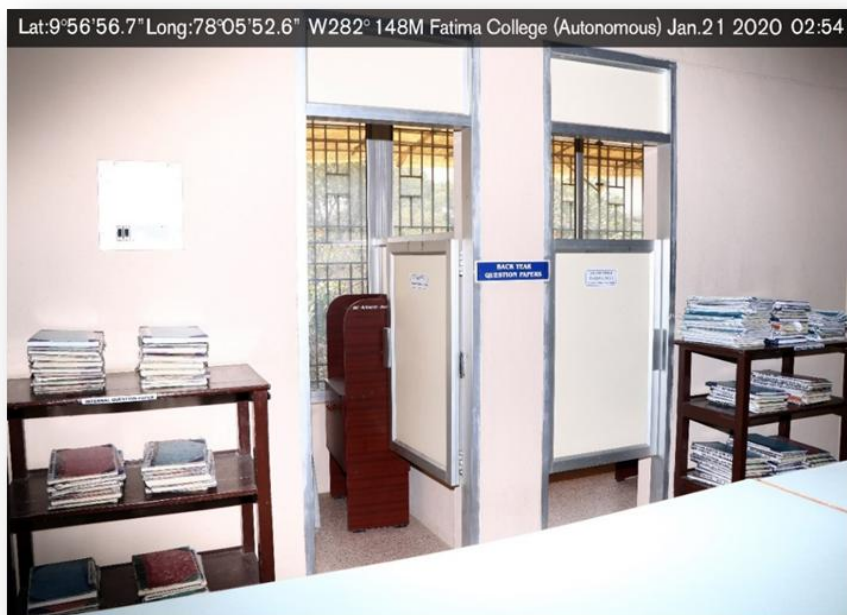
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INFRASTRUCTURE FOR RESEARCH

CUBICLES IN THE LIBRARY FOR RESEARCHERS





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RESEARCH SCHOLAR'S ZONE IN LIBRARY





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URKUND SOFTWARE APPLICATION

URKUND SOFTWARE – TOOL TO CHECK PLAGIARISM



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10. Sources

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support@egalactic.in



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To preserve the preventive effect that is generated from the sources that the URKUND services search, it is important that not all sources are made known to the public. Therefore EGALACTIC does not undertake to compile a complete list of accessible sources, neither to *The Customer*, nor to any other interested parties. Sources can be presented if EGALACTIC regards it not to have a negative impact on the preventive effect.

11. Termination of the service

This agreement shall remain in force throughout the period that *The Customer* subscribes to the URKUND services and until *The Customer's* access to the service is closed. The subscription period for the URKUND services is normally 12 months or, if a limit of the number of submitted documents is set and regulated in the customer agreement, until document limit is reached, unless the agreement states otherwise. Unless agreed otherwise, the licence will renew automatically each period until cancelled by *The Customer* or by EGALACTIC no later than three (3) months before the end of the active subscription period: if not, the cancellation will come in to effect at the end of the following subscription period. EGALACTIC reserves the right to cancel a subscription as of the renewal date of an ongoing subscription. Furthermore, EGALACTIC has the right to terminate *The Customer's* use of and access to URKUND's services immediately (and, if practicable, upon giving *The Customer* notice) in the event that *The Customer* breach any material term in this agreement or act in conflict with it. Not following payment obligations or misuse of username and password would constitute examples of such a breach. EGALACTIC has the right to monitor abuse of the service. If EGALACTIC detects that *The Customer's* use of URKUND services is jeopardising the stability of the system or any system related to URKUND services, EGALACTIC has the right to restrict with immediate effect *The Customer's* access to the services. EGALACTIC also has the right to restrict the access of *The Customer* if the number of documents sent to URKUND services is substantially higher than what could be expected in relation to the number of students/users for which *The Customer* had stated in the current contract.

12. Prices and price modifications

Prices are calculated according to size of *The Customer's* educational establishment; the size of the university is defined by the number of students. Licences are available to allow *The Customer* to use URKUND for the whole university or for a self-contained unit of the university, e.g. a faculty, department etc. EGALACTIC retains the right to modify prices once per annum. Prices are adjusted in accordance with Labour Cost Index (LCI). For customers within Sweden, prices are adjusted in accordance with AKI (SNI J+K). The new price will be effective upon renewal of the licence. EGALACTIC reserves the right to modify the prices with immediate effect if these modifications are the direct consequence of circumstances outside EGALACTIC's control, such as fluctuations in currency exchange rates. Price modifications caused by such circumstances shall be communicated to *The Customer* as soon as possible. Possible taxes or other imposed tariffs shall be paid by *The Customer*.

13. Jurisdiction

Disputes concerning the interpretation or application of this agreement and legal relationships related thereto shall be determined by arbitration pursuant to Indian law. The dispute shall be settled by arbitration in accordance with the Rules for Indian Arbitration Law in Pune.

EGalactic/URKUND, May 2018



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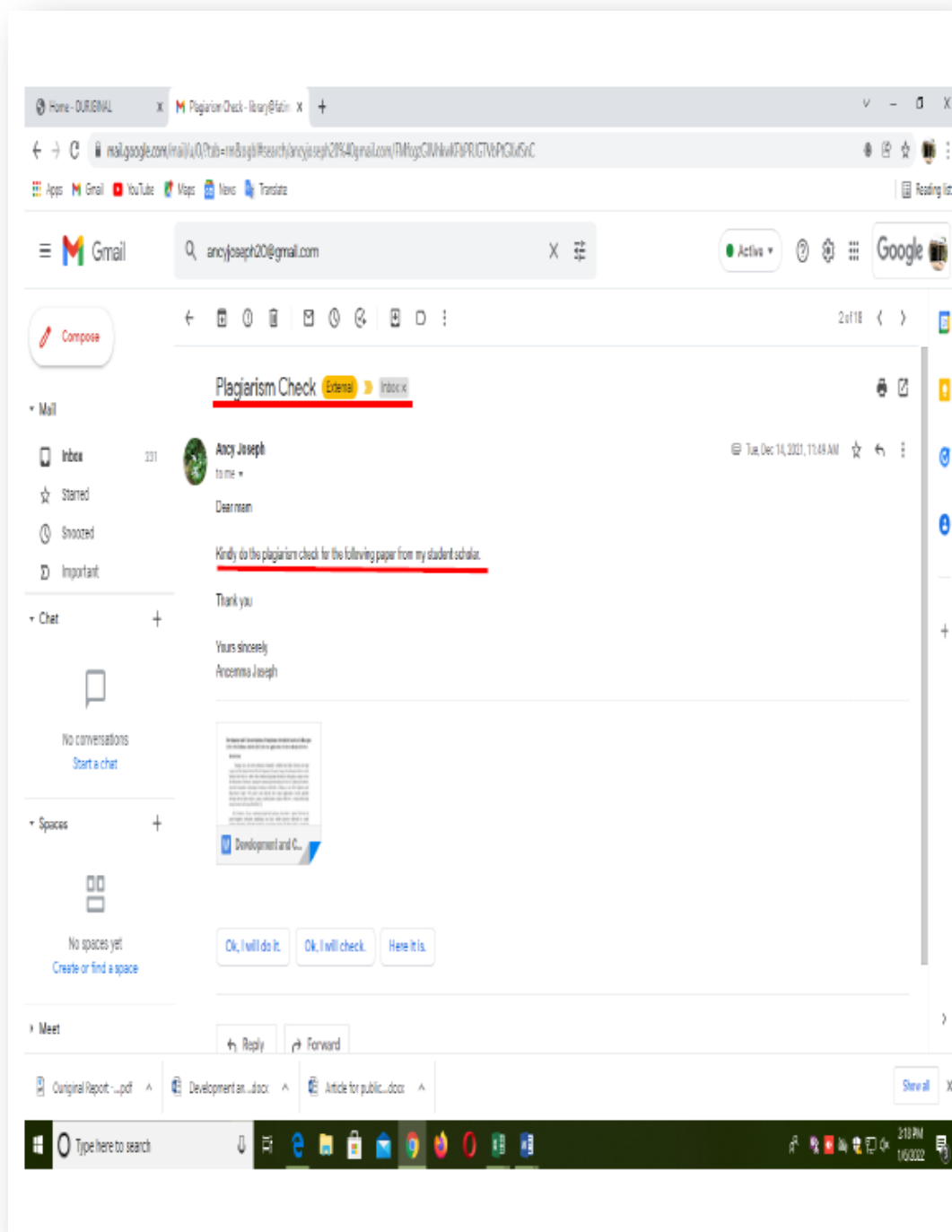
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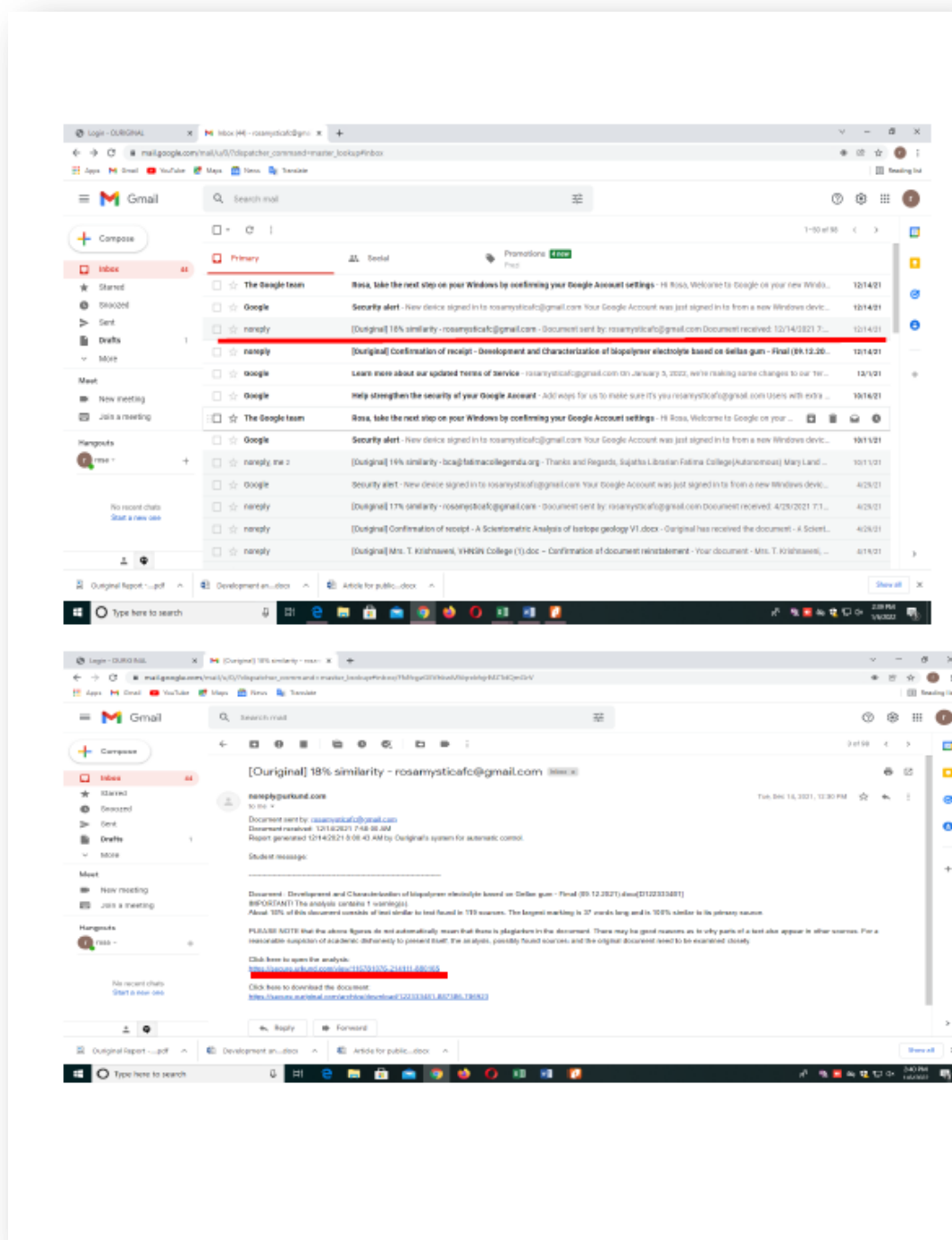
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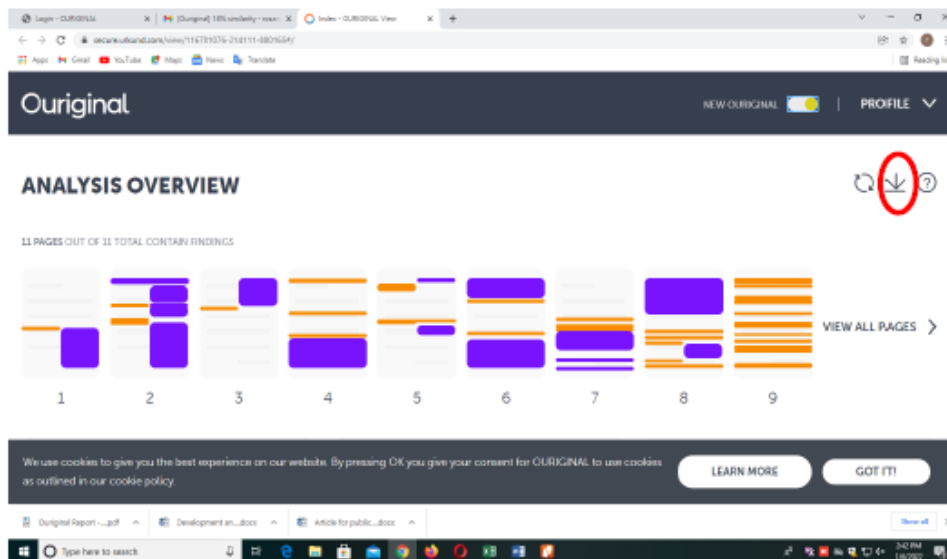
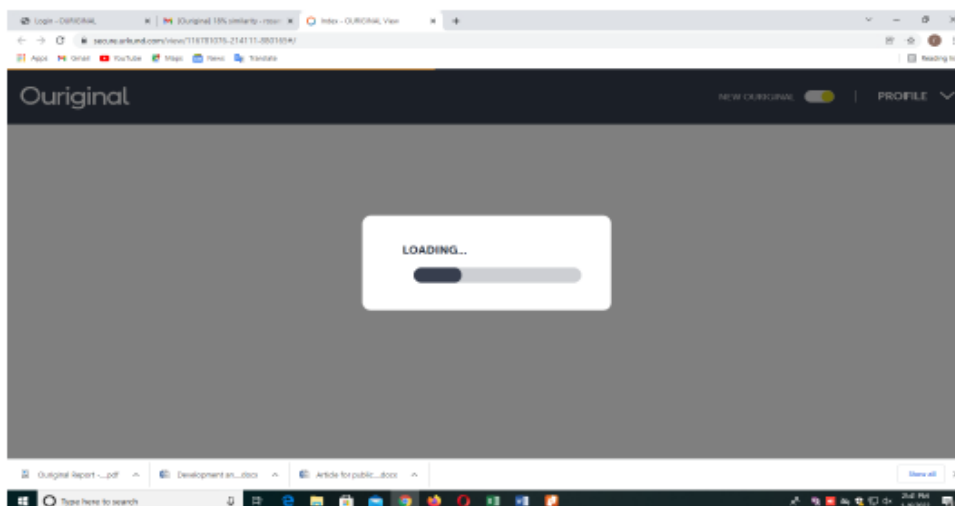
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Document Information

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Submitted by	Rasmyravis
Submitter email	rasmyravis@fatima.ac.in
Similarity	15%
Analysis address	rasmyravis@fatima.ac.in

Sources included in the report

W	URL: https://link.springer.com/article/10.1007/s10885-021-04092-w Retrieved: 2021-09-20T07:59:30.0000000	25
W	URL: https://link.springer.com/article/10.1007/s10885-021-04046-2 Retrieved: 2021-11-27T08:32:07.0000000	2
SA	3724709133_Kruthika_Thesis.pdf Document: 3724709133_Kruthika_Thesis.pdf (518333486)	10
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W	URL: https://link.springer.com/article/10.1007/s00089-021-03071-9 Retrieved: 2021-09-20T08:37:01.7230000	5
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W	URL: https://www.sciengine.com/document/doi/10.1515/polyeng-2021-0145/html Retrieved: 2021-08-26T07:50:00.0000000	5
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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 2021. Around 40 projects were presented by 200 students during the online Research Fest Exploria 2021, conducted on July 23rd 2021.

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. This year 2 projects have been funded to the researchers of Department of Zoology & Chemistry, Rs. 2,500/- each an amount of Rs. 25,000/- is sanctioned to the researchers of Department of Zoology & Chemistry respectively.

SPONSORED PROJECTS

Project Sponsored by Research Advisory Committee (RAC)

ONGOING PROJECT FUNDED BY RAC (2)

S. No	NAME OF THE RESEARCHER	TOPIC OF RESEARCH	YEAR	AMOUNT
1.	Dr. M. Priyadharshini & Dr. V. Arul Deepa, Assistant Professors, Department of Chemistry	"Left Over to Lovely" (A Genuine move towards an eco-friendly campus)	2019	25000
2.	Dr. N. Malathy Assistant Professor, Department of Zoology	Evaluation of the Food Additives in a Fresh Water Fish	2019	25000



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Dr. Vasantha Esther Rani,
Dean of Research
Research Advisory Committee
Fatima College, Madurai



FATIMA COLLEGE (Autonomous)
Re - Accredited with 'A' Grade by NAAC
(3rd cycle)

(College with Potential for Excellence)
94th Rank in India Ranking 2019 (NIRF)

Mary Land, Madurai-18.

PHONE : 2668016, 2669015

FAX : 0452-2668437

Email : fatimacollegemdu@gmail.com

Date : 3.10.2019

To Whomsoever it May Concern

SANCTION LETTER

Fatima College Research Advisory Committee (RAC) is pleased to sanction Rs. 25,000 /- to Dr. M. Priyadharsani, Assistant Professor of Chemistry, Dr. V. Arul Deepa, Assistant Professor of Chemistry, towards the conduct of their Eco-Friendly Minor research project entitled, "Left over to Lovely", a genuine move towards an eco-friendly campus.

Dean of Research
Research Advisory Committee
Fatima College (Autonomous)
Madurai - 625 018



Fatima College

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Mary Land, Madurai - 625 018, Tamil Nadu.



Dr. Vasantha Esther Rani, M.Sc., M.Phil., Ph.D
Dean of Research
The Research Advisory Committee



FATIMA COLLEGE (Autonomous)
(College with Potential for Excellence)
Madurai-18.

Phone No : 0452- 2668016, 2669015.

Mobile No: +919994270150,
+919344775252

Fax No : 0452 - 2668437

e-mail : vasanthaerani@gmail.com

DATE : 03.10.2019

To Whomsoever it May Concern

SANCTION LETTER

Fatima College Research Advisory Committee (RAC) is pleased to sanction Rs. 25,000/- to Dr.N.Malathi, Assistant Professor, Department of Zoology, Fatima College(Autonomous), Madurai towards the conduct of her minor project entitled "Evaluation of the Food Additives in a Fresh Water Fish" which has the implications to address the Health concerns of society.

Dean of Research
Research Advisory Committee
Fatima College (Autonomous)
Madurai - 625 018



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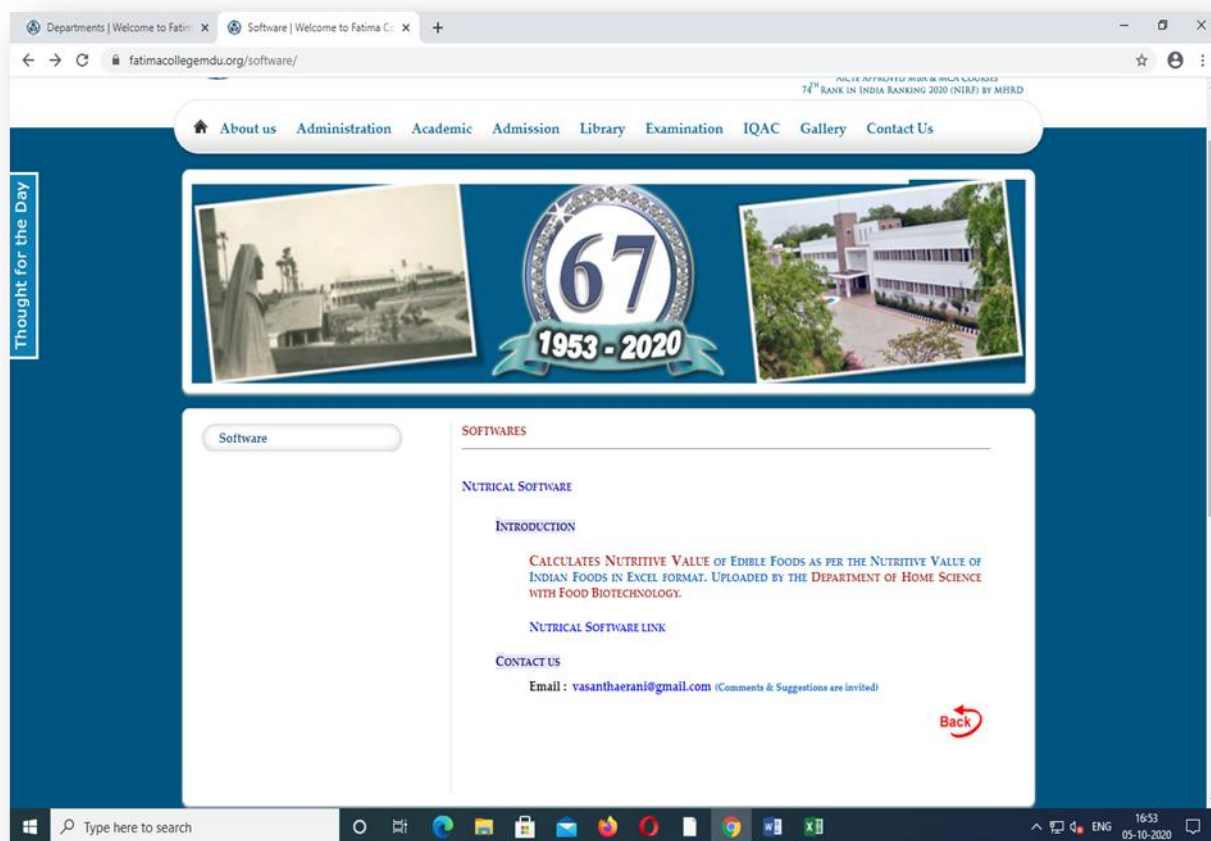
NUTRICAL SOFTWARE DEVELOPED BY THE RESEARCH CENTER OF HOME SCIENCE

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 US

Email : vasanthaerani@gmail.com





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