

PARTICIPATORY LEARNING

# MAR THOMA COLLEGE FOR WOMEN PERUMBAVOOR



## STUDENT CENTRIC PRACTICES



## PARTICIPATORY LEARNING

2017-2022



## STUDENT CENTRIC PRACTICES

*Samanvaya*

CLASSROOM EXTENDED LEARNING

*Prayan*

PARTICIPATORY LEARNING

*Prayukti*

EXPERIENTIAL & EXPLORATORY LEARNING

*Nisarg*

NATURE-BASED LEARNING

*Sva*

CREATIVITY LEARNING & INNOVATION

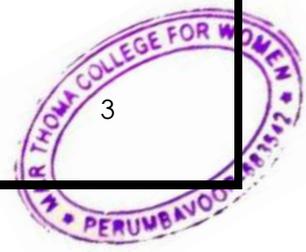
*Nirvana*

PROBLEM SOLVING, EMPOWERING

*Sakhi*

INDIVIDUAL CENTRIC

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## PEER TEACHING

It provides a good learning environment free from judgement and creates a sense of belonging among the students. It helps students engage their own active learning and critical thinking skills and promotes collaboration and teamwork to gain knowledge.



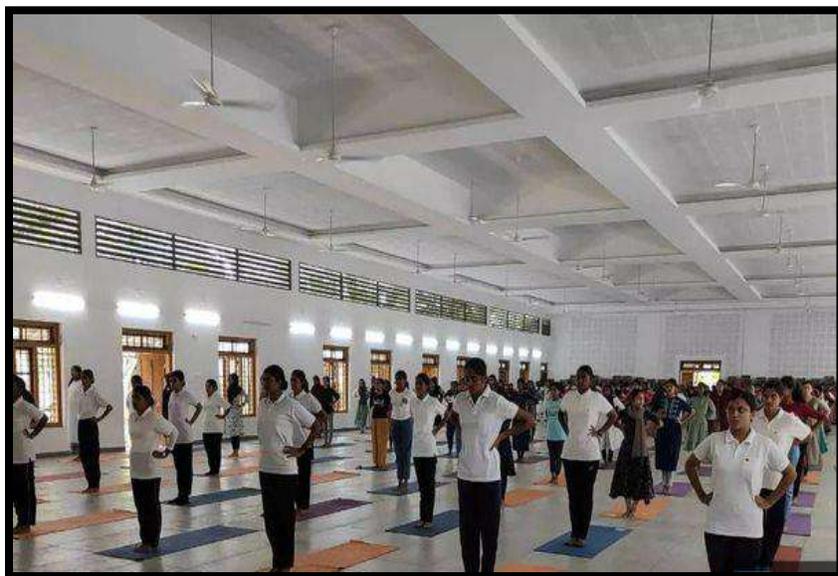
## EACH ONE TEACH ONE

Each one Teach one is an educational strategy that embraces active learning. It is one of the most used methods, in which students are divided into mixed groups of advanced, slow and medium learners. They are assigned topics and the advanced learner helps the slow learner learn the topic.



## DAY OBSERVANCES & CONTESTS

The day observances decode the spirit of patriotism, ethics and moral values, duties and responsibilities, humanity, respect of teachers, cleanliness and health awareness, physical and mental fitness etc. among the students.



International Yoga Day

Anti drug abuse day





World Bicycle Day

IronDeficiency Day





AIDS Day



Hiroshima Day



MAR THOMA COLLEGE FOR WOMEN  
Perumbavoor  
Department of zoology

July 25 **WORLD TIGERS DAY**

Intercollege Essay Writing Competition

Date: Aug 3  
Venue :Zoology lab

( Topic would be given before competition )

All are welcome to participate



**WORLD ENVIRONMENT DAY**

Earth is like our home and we must make efforts to keep it clean and green..  
On the occasion of World Environment Day, let us promise to make it a better place to live!!

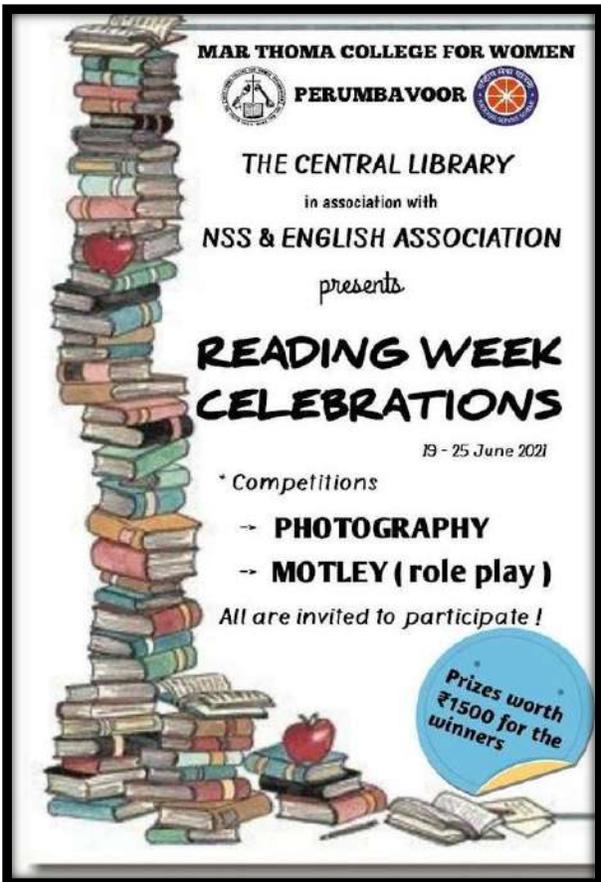
Mar Thoma College for Women,  
Perumbavoor  
DEPARTMENT OF ZOOLOGY

Date: 08/06/2022  
Venue: M. Sc. Zoology Lab  
Time: 3.30 pm  
Please contact M. Sc. Zoology Department

Inter Departmental Powepoint Presentation

Theme: "Best environmental practices that can be implemented in our campus."

Intra and inter-collegiate events are very important in building multiple skills and play an integral role in the collegiate experience. It not only provides entertainment and knowledge but also helps students develop organizing skills that include but are not limited to communication, marketing, public relations, networking, leadership, mentoring, conflict management and community building.



**MAR THOMA COLLEGE FOR WOMEN**  
**PERUMBAVOOR**

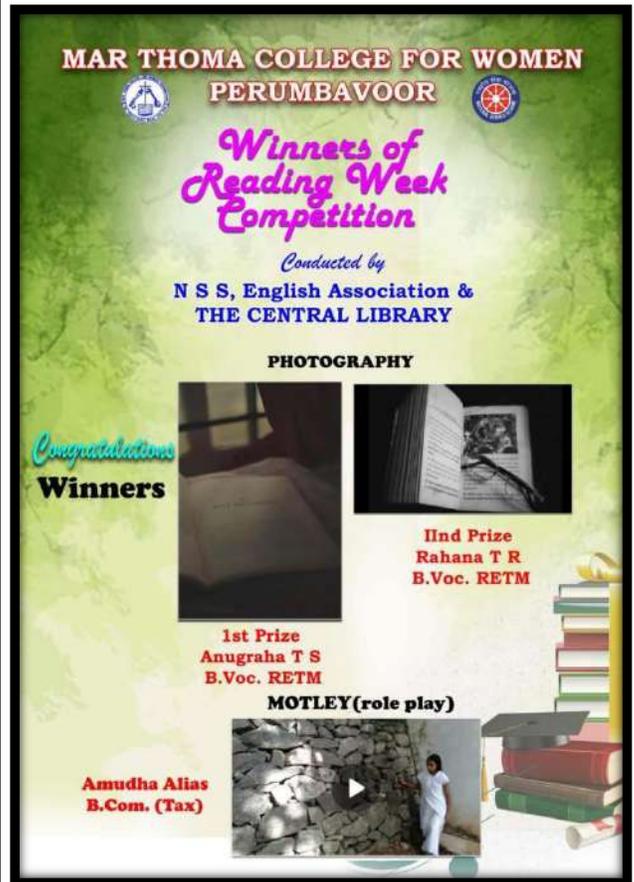
**THE CENTRAL LIBRARY**  
in association with  
**NSS & ENGLISH ASSOCIATION**  
presents

**READING WEEK CELEBRATIONS**  
19 - 25 June 2021

\* Competitions  
→ **PHOTOGRAPHY**  
→ **MOTLEY (role play)**  
All are invited to participate !

Prizes worth ₹1500 for the winners

The poster features a tall stack of colorful books on the left, with a red apple placed among them. At the bottom, there are more stacks of books and an open book. The text is centered and uses various fonts and colors to highlight key information.



**MAR THOMA COLLEGE FOR WOMEN**  
**PERUMBAVOOR**

*Winners of Reading Week Competition*  
Conducted by  
**N S S, English Association & THE CENTRAL LIBRARY**

**PHOTOGRAPHY**

*Congratulations*  
**Winners**

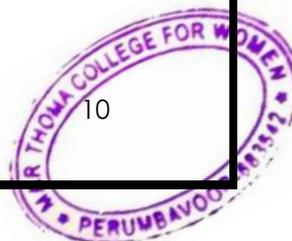
**1st Prize**  
Anugraha T S  
B.Voc. RETM

**2nd Prize**  
Rahana T R  
B.Voc. RETM

**MOTLEY (role play)**

**Amudha Alias**  
B.Com. (Tax)

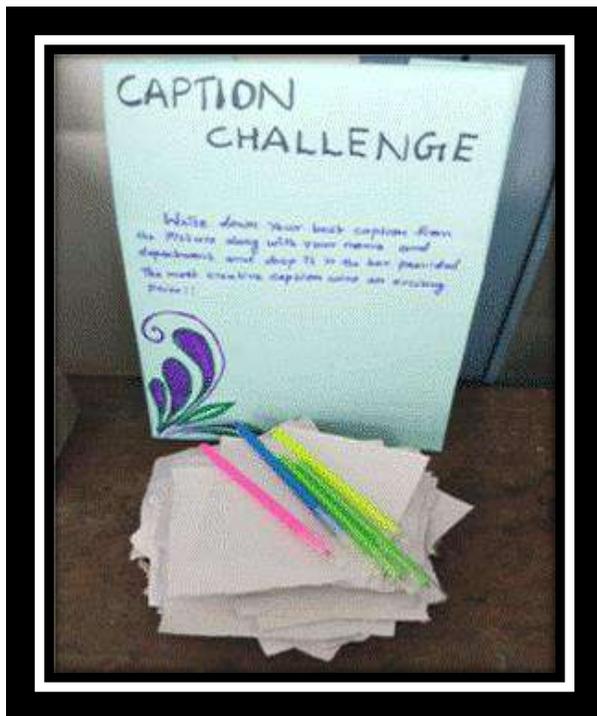
The poster has a green background with a subtle pattern. It features two photographs: one of a person reading a book and another of a person in a white dress standing in front of a stone wall. The text is arranged in a clear, celebratory layout with various colors and fonts.



Intercollegiate competitions and fests helps our students to engage with their peers from diverse backgrounds and develop empathy. Moreover, working outside of the classroom with diverse groups of individuals allows for students to gain more self-confidence, autonomy, and appreciation for others' differences and similarities.

*Mar Thoma College for Women*  
Perumbavoor  
**Women's Cell**  
*presents*  
**Intercollegiate**  
**DANCE FEST**  
- on woman- based themes for college students  
**First prize- 5000/- cash prize  
And Other Consolation Prizes**  
Registration Deadline: 10 March 2022  
Contact: Ms. Sharon Sara Thomas  
70259 80142  
( Secretary, Women's Cell , Mar Thoma College for Women, Perumbavoor)  
*\*only women participants*  
**14 MARCH 2022**





"A girl child brings joy, she is no less than a boy"

**IN ASSOCIATION WITH,**  
**'INTERNATIONAL DAY OF GIRL CHILDHOOD'**  
**DEPARTMENT OF ZOOLOGY** OCTOBER 11-10-2020  
 MARTHOMA COLLEGE FOR WOMEN, PERUMBAVOOR  
 ORGANIZE

**LA FEMME**

*Events:*

**\*MISS COSMO**  
 This contest open to MTCW  
 Platform-google meet DATE: 10TH OCTOBER  
 TIME 10AM

**\*SLOGAN CONTEST**  
 Through e-mail  
 zoologydeptmctw@gmail.com  
 DATE : ON OR BEFORE 9TH OCTOBER 2020

FOR MORE INFORMATION  
 CONTACT: 9843007884  
 9446242339  
 9849524158

Mari Thoma College for Women  
 Perumbavoor

**Celebrating National Science Day 2022**  
 Supported by Academy of Physics Teachers, Kerala

**INTERDEPARTMENTAL  
 POWERPOINT  
 PRESENTATION**

28-02-2022  
 1.30 PM

Department of Mathematics-  
 Beauty of nature in the  
 language of mathematics

Department of Zoology-  
 Eminent scientists who  
 unveiled the science of Life

Department of Physics-  
 Great Indian Physicists

Department of Chemistry-  
 Green Chemistry

VENUE: PG Seminar Hall

Student Co-ordinators:  
 Daya Das PK, II B.Sc. Physics  
 Shahanas TS, II B.Sc. Physics

**MAR THOMA COLLEGE FOR WOMEN**  
 Perumbavoor  
 Department of Zoology

**MOBILE  
 PHOTO  
 CONTEST**

**TOPIC : WATER**  
 Entry Deadline : August 24th 2020

*Gift vouchers  
 1st, 2nd &  
 3rd Prize*

**Criteria:**

- Editing is not allowed.
- Participant can send only one photo.
- Details of participant (Name, College, Class, Email) must be given.

•Result : August 27th 2020  
[https://instagram.com/mctw\\_zoologyassociation?igshid=s09p0n6qms4q](https://instagram.com/mctw_zoologyassociation?igshid=s09p0n6qms4q)

Send your photos at:  
 zoologydeptmctw@gmail.com



## DISCUSSIONS, DEBATES, LECTURES, SEMINARS

The activities encourage students to develop critical thinking skills, create their own understanding of the content and connect it to their experiences.

Lectures are designed to introduce topics and provide new information to the participants. Both lectures and seminars present, analyse and evaluate a range of different current perspectives on an issue or phenomenon.

Debates in the classroom provide students the opportunity to work in a collaborative and cooperative group setting. By having students discuss and organize their points of view for one side of an argument they are able to discover new information and put knowledge into action. Classroom debates help students learn through friendly competition, examine controversial topics and “strengthen skills in the areas of leadership, interpersonal influence, teambuilding, group problem solving, and oral presentation”

Discussions and interactions enhance participant engagement and make thinking visible.



Lecture on ‘Mathematics in Tejas Design’ by Dr. Indira Narayanaswami



Lecture on "Applications of Matrices in Statistics' by Dr. Sadhya E



Debate on gender sensitive topic



Debate on” Kerala- a victim of man-made disaster”



Seminar on lifestyle and diabetes by District Medical Office

## PARTICIPATORY LEARNING



Dr. K. N. Raghavan IRS,  
Executive Director, Rubber  
Board, interacts with students.



Dr. Honey John, Professor,  
Dept. of Polymer Science &  
Rubber Technology, CUSAT,  
Kochi, interacts with students.



Ms. Nisha Purushothaman, Chief News Producer, Manorama News Channel is taking a session on 'Gender Sensitization'.



Dr. C. M. Joy, Former Registrar, KFRI and Rtd. Professor, S H College, Thevara, is taking a session on 'Environment Sensitization'.

Dr. C. George Thomas, Rtd. Professor and Dean, College of Horticulture, Vellanikkara, Thrissur, is taking a session on how to write and review a Journal article.

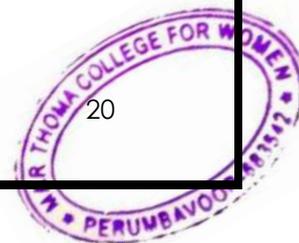


Lecture by  
Prof. Cheri  
Jacob K

Lecture on 'Some Interesting Stories from Mathematics' by Dr. Ambat Vijayakumar



Lecture on "What to Do with Texts?: Fundamentals of Critical Reasoning" by Dr. Jibu Mathew George





**MAR THOMA COLLEGE FOR WOMEN  
PERUMBAVOOR**  
RE-ACCREDITED BY NAAC WITH B+ GRADE  
(AFFILIATED TO MAHATMA GANDHI UNIVERSITY)

**IQAC & DEPARTMENT OF MATHEMATICS**  
PRESENT  
**NATIONAL WEBINAR**  
ON  
**"Research Areas in Graph Theory"**



05 August 2020  
Wednesday  
@ 2.00 pm

**Resource Person : Dr. Aparna Lakshmanan S**  
Research Guide & Assistant Professor, St. Xavier's College for Women, Aluva

**WEBINAR SERIES - 9**

REGISTER TO PARTICIPATE:  
<https://forms.gle/LXiMas2UwxdV0z86>  
THE ENTRIES ARE LIMITED TO 100 PARTICIPANTS  
LAST DATE OF REGISTRATION : 03/08/2020 @ 11.30 PM  
E-CERTIFICATES WILL BE PROVIDED



Google Meet

For more details, contact: 9947142835/ 9746223498/ 9847289731

**MAR THOMA COLLEGE FOR WOMEN  
PERUMBAVOOR**  
RE-ACCREDITED BY NAAC WITH B+ GRADE  
(AFFILIATED TO MAHATMA GANDHI UNIVERSITY)  
**POST GRADUATE DEPARTMENT OF  
MATHEMATICS**

**MATHEMATICS ASSOCIATION [2020-21]  
INAUGURATION  
&  
WEBINAR ON  
"EXCITEMENTS AND CHALLENGES IN MATHEMATICS"**



12 NOVEMBER 2020  
THURSDAY  
TIME: 10.30 AM  
PLATFORM : GOOGLE MEET



**Resource Person**  
**Dr. AMBAT VIJAYAKUMAR**  
Emeritus Professor,  
Department of Mathematics,  
CUSAT

**CONVENORS:**  
Dr. Gigi George (HoD & Principal-in-Charge)  
Ms. Emilda Sebastian (Association-in-Charge)  
Ms. Maria Mini Eldhose (Association Secretary)



**MAR THOMA COLLEGE FOR WOMEN  
PERUMBAVOOR**  
RE-ACCREDITED BY NAAC WITH B+ GRADE  
(AFFILIATED TO MAHATMA GANDHI UNIVERSITY)

**PG Department of Mathematics  
organises**

**NATIONAL MATHEMATICS DAY CELEBRATIONS**  
**Inauguration  
&  
Intercollegiate Webinar on  
"Data Science: Field of Mathematics"**



**Chief Guest & Resource Person**  
**Dr. SUMITRA S.**  
Associate Professor,  
Indian Institute of Space Science & Technology, Trivandrum.

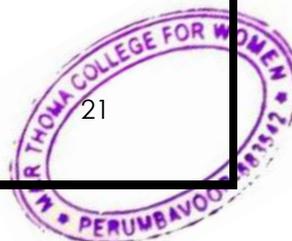
REGISTER TO PARTICIPATE:  
<https://forms.gle/XZswntX24ceQncxC9>  
THE ENTRIES ARE LIMITED TO 100 PARTICIPANTS  
LAST DATE OF REGISTRATION : 17/12/2021 @ 11.30 PM  
E-CERTIFICATES WILL BE PROVIDED.

18 DECEMBER 2021  
SATURDAY  
PLATFORM : GOOGLE MEET  
TIME: 10.30 AM



In association with  
The Kerala Mathematical Association

**For more details, contact:**  
9947142835  
8547969171



## LITERARY MEET

The annual inter departmental fest “LITERATI” is being organized to provide a platform for students to enhance their creative literary skills. Western Solo, Jam (Just A Minute), Spell Bee, Collage, Face Painting, Spot Dance, Quiz, etc are held as part of the fest. Books fests are arranged annually



## BUDGET ANALYSIS

The students of the Commerce department analysed the Budget presented by Honourable Finance Minister, on 11 February 2021. Charts supplementing their presentation were displayed in front of the department. The discussion was very fruitful in gaining insights into the various aspects of the budget.

**Mar Thoma College for Women, Perumbavoor**  
(Re-accredited by NAAC with B+ grade Affiliated to Mahatma Gandhi University)

*Department of Commerce*  
*presents*

**BUDGET ANALYSIS**

On  
11th February 2021,  
Thursday  
10:30a.m. -12:30p.m.

Platform:- 

STUDENT CONVENORS  
Fahima Rafeeqe  
Annmary Thomas

H.O.D  
Mrs. Sherin T Abraham  
STAFF CO-ORDINATOR  
Mr. Jibin Shibu Sam

## GAMING AND LEARNING

Game-based learning is an active learning technique that uses games to improve student learning. The learning, in this case, comes from playing the game, which promotes critical thinking and problem-solving skills. Game-based learning can be achieved through digital or non-digital games and simulations that allow students to experience the learning firsthand.





## CLEANLINESS DRIVE

It aims at promoting the values of cleanliness, discipline and respect for Nature among the students. It also creates awareness about health and hygiene and sensitises the students that cleanliness is a collective responsibility.



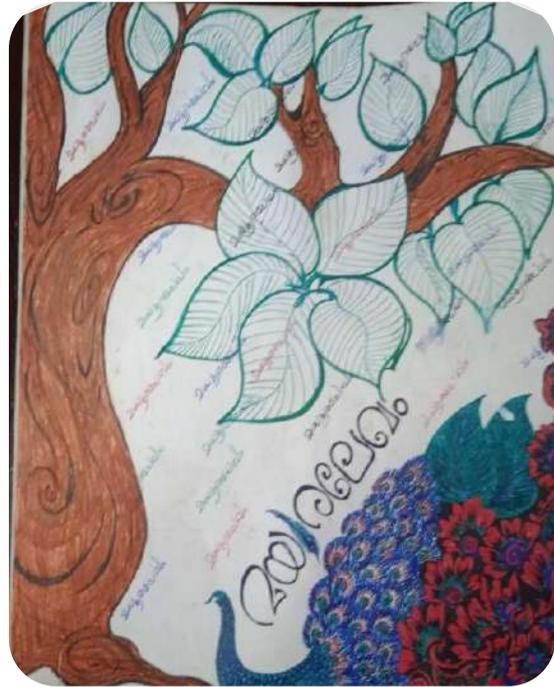
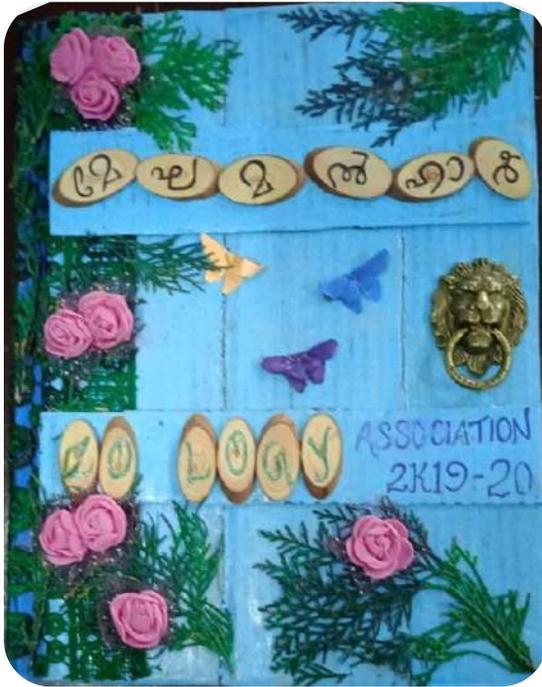
## STREET PLAYS

It encourage students to think critically about complex and controversial subjects and to perceive situations from a different perspective. Students performed the play on Bhai Bazaar, Plywood factory and in the main junctions in connection with AIDS day, anti-drug abuse day, etc.



## NEWSLETTERS & MANUSCRIPT MAGAZINES

The departments bring out manuscript magazines and newsletters which showcase the literary and creative skills of the students. The students build their vocabulary and writing skills through drafting, revising, editing, and publishing. They become familiar with the process of producing formal written documents, such as magazines and newspapers. Through interacting with others in the class, students will also learn how to work within a team.







## MAR THOMA COLLEGE FOR WOMEN

Perumbavoor

### Department of Physics

**News Bulletin**





**Manager**  
**Rev. Dr. Eusebius Mar Casilio Episcopa**



**Principal-Charge**  
**Dr. Gigi George**



**Head of the Department**  
**Dr. Anupama P**

**Teaching staff**

**Dr. Anupama P**  
**Dr. Paulose Thomas**  
**Dr. Rajani Jacob**  
**Dr. Meiji Chandy**

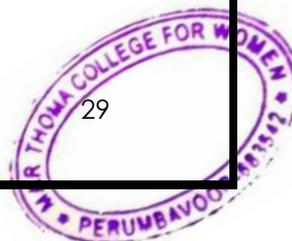
**Non-teaching Staff**  
**Mrs. Anshul A. (Lab Assistant)**

**Facilities**

**General/Subsidary Lab**  
**Electronics Lab**  
**Computer Lab**  
**Research Equipments**

**Department at a glance**

The Department of Physics, established in 2002, has over the years shaped generations of students into competent and creative individuals who excel in their chosen fields of specialization. We offer BSc Physics (Model II)-Applied Electronics course with Mathematics as the complementary subject and Applied Electronics as the vocational component. Our department conducts seminars and training programmes like Green -to-Reddy Environment Management Training Programme, DMF 2019 with support from ESCVTI in 2020, central training programme on Nanotechnology in association with I-Cell, IIT Kharagpur and other state level programmes on Biogas and Solar Energy Technology in 2018-19, Robotics in 2019-20, course in LaTeX, Mathlab and Origin in 2018-19, workshops on Solar Architecture Programme in association with IIT Madras in 2018-19, LED lamp making and Star making in association with IIT Kharagpur, IITM and other institutions of repute. The faculty members of the Department are members of various academic bodies including the Academy of Physics Teachers and the Kerala Energy Conservation Society. We also conduct seminars, workshops and training programmes on energy conservation and environment protection in association with various organisations.



## WALL MAGAZINES/ POSTERS

Wall magazines express the creativity of the students. Students put up wonderful thoughts in the most creative and innovative formats.



Freedom Wall



Wall magazine in the making

## COMMUNITY ENRICHMENT PROGRAMMES

The programmes not only provide an academic foundation but also develop self-confidence, leadership qualities and civic responsibilities. They provide experiential learning opportunities for the participants while improving the living conditions in underserved communities around them.



**MARTHOMA COLLEGE FOR WOMEN PERUMBAVOOR**  
**WATER ANALYSIS REPORT**

HOUSE No: X 200

Parameters Tested	Value	Inference
pH	5	Slightly acidic
Dissolved Co <sub>2</sub>	21.52	Slightly acidic
Hardness	40	Soft
Physical appearance	Pale yellow, Particles seen	<u>Filteration</u> needed

**Recommendations:-**

- CaCO<sub>3</sub> application in well/ water source.
- Sedimentation/ Filteration required
- Water should be boiled before drinking.

Water quality analysis in flood affected households



Distribution of steel plates and sports items to the students of Government U.P School Aimury.



Old Age Home Visit

PARTICIPATORY LEARNING



Blood donation camp



Sapling distribution

**NIRVANA**

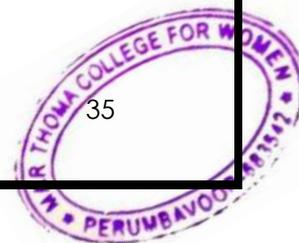
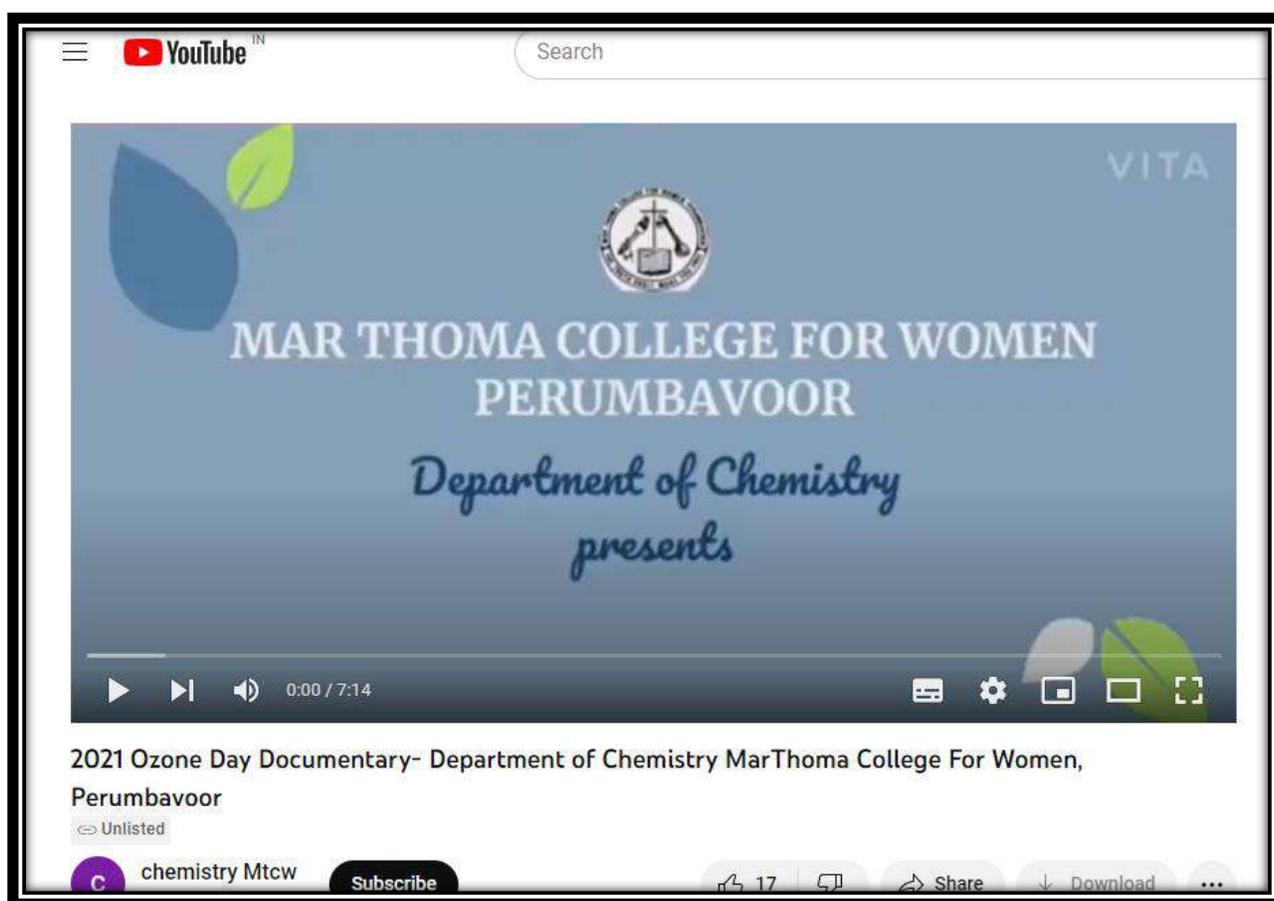




Community service to the flood-affected- contribution in cash and kind

## EDUCATIONAL CONTENT & AWARENESS VIDEOS

It helps improve student efficacy, confidence and communication skills. Creating educational content for high school and higher secondary classes provides technological competence and media literacy skills. In order to create a sense of community, environmental consciousness and hygiene, students are encouraged to prepare awareness videos on Waste Management and Climate Change, Environment Management, Hygiene, Covid-19, etc.





## OATH TAKING AND CAMPAIGNS

The oath is an important ceremonial gesture to make a public commitment to the duties, responsibilities and obligations associated with the pledge taken. Campaigning is mobilizing public concern in order to achieve a social, political or commercial aim, hence it is an engine for social change.



## Blood donation awareness campaign

In the morning 9am, an awareness campaigning on blood donation was conducted by students of our department. Following this a small quiz was organised in which correct respondents were rewarded with sweets



*Sriya K V*

**NIRVANA**

