



Mar Thoma College for Women  
Perumbavoor

# IQAC: QUALITY INITIATIVES : : : : 2017-2022





**IQAC :**  
**Quality Initiatives**  
**2017-2018**



# IQAC & DEPARTMENT OF COMMERCE

## WORKSHOP ON GST

Department of Commerce in association with IQAC conducted a National Employability Enhancement Drive, an advanced practitioner level proficiency programme on the Goods and Services Tax on 7, 8 and 9 November 2017. 225 B. Com students participated in the programme and passed the proficiency test and received certificates. The workshop focused on the relevance and practise of GST which is a value added tax on most goods and services sold for domestic consumption.

## SEMINAR ON TAX STRUCTURE

Department of Commerce in association with IQAC conducted a seminar on Tax - Assessment and procedure for third year B.com students. Smt. Bindu R, Research Scholar, CUSAT, Ernakulam served as the resource person.

## CAREER ORIENTATION SESSION

Department of Commerce in association with IQAC conducted Career Orientation Classes for third year and second year B. Com students. The sessions were handled by educational agencies such as UNIQUE, LOGIC, CMA Institute, Lakshya and also by Union Bank of India

# IQAC & DEPARTMENT OF ZOOLOGY

## Logo Contest

Department of Zoology in association with IQAC conducted an inter-departmental logo competition in connection with National Environment Awareness month celebration, on 28 November, 2018, in which 12 participants from different departments enthusiastically participated. Athira Shaji (III B.Com. Computer Application), Fathima Jamal (I B.Com. Tax), Sharon Thomas (I M.Sc. Zoology) bagged first, second and third prizes respectively. A special appreciation prize was given to Rishika Ravi A.R. (I M.Sc. Zoology).

## Visit To Mangalavanam

The final year degree B. Sc. Zoology students were taken to *Mangalvanam* on July 8, 2017. *Mangalavanam* is an ecologically sensitive area situated at the centre of the Indian city of Kochi. Covering about 2.74 hectares, it also houses a shallow tidal lake connected with Kochi backwaters by a canal. This area which is situated behind the Kerala High Court building contains many types of mangroves. *Managalavanam* is often regarded as the "green lung of Kochi", considering its role in keeping the city's air pollution under check. The area is also a roosting place for many kinds of resident and migratory birds.



## VEETIL ORU KARIVEPPU

As part of observance of World Environment Day, on June 7, 2017, the students of Department of Zoology distributed curry leaf saplings in the neighborhood. Curry leaves are a rich source of iron and folic acid. It helps in lowering blood cholesterol and sugar levels and also prevents premature greying of hair. As it is an unavoidable ingredient in most South Indian dishes, *Kariveppu* is an unavoidable requirement in all households. Nevertheless due to lack of its availability, many switch to buying curry leaves from groceries to meet their needs. Being treated with chemical insecticides to prevent pet attacks, the ones brought from grocers do pose health risks. Recognizing the importance of curry leaves, 23 saplings were distributed as part of this extension activity. The extension activity was coordinated by Dr. Biju Jacob, Head, Department of Zoology.



# IQAC & DEPARTMENT OF MATHEMATICS

## SEMINAR ON MATHEMATICAL MORPHOLOGY

Department of Mathematics, organized a seminar on 'Mathematical Morphology' in association with IQAC of the college. The seminar was held on 27 September, 2017. Dr. Bino Sebastian V, Assistant Professor, M. A. College, Kothamangalam, served as the resource person. The session began with an overview of Mathematical morphology and its applications in various domains such as image processing, pattern and signal processing. The main focus of the session was on how to process images using mathematical morphology. The seminar helped to understand the image processing technique based on mathematical morphology. The session was very enlightening and beneficial to the students of the department. An interactive session with the resource person was conducted after the talk. The seminar was attended by 109 students of the department.



**MAR THOMA COLLEGE FOR WOMEN  
PERUMBAVOOR**  
Affiliated to Mahatma Gandhi University, Kottayam  
& Re-accredited by NAAC  
**DEPARTMENT OF MATHEMATICS**

**ASSOCIATION INAUGURATION  
&  
SEMINAR ON  
MATHEMATICAL MORPHOLOGY**



**Resource Person  
Dr. Bino Sebastian V  
Assistant Professor  
M.A. College, Kothamangalam**

Venue: PG Seminar Hall  
Time: 2:30 PM

27 September 2017  
Wednesday

## SEMINAR ON MATHEMATICS IN TEJAS DESIGN

Department of Mathematics organized a national seminar for students and faculty on 'Mathematics in Tejas Design' on 4 January 2018. The seminar was attended by 111 students and 8 faculty members. Dr. Indira Narayanaswamy, Research Professor, Ramaiah University of Applied Sciences, Bangalore was the resource person.

In the first session of the seminar, the historical growth of Indian Aviation industry, showcasing the indigenous efforts for fighter aircraft development, in particular HF 24- MARUT and HF 25, followed by the conceptualization of LCA (Light Combat Aircraft) programme, were presented. A short overview of LCA, christened as TEJAS, highlighted the significant applications of Mathematics in its design at various stages.

The second session started with the discussion about Design Optimization of transport aircraft wing. After a brief mention of the Basic theory in Optimization (gradient based as well as Genetic Algorithm based), a typical case study of the wing design of a civil transport aircraft were discussed using genetic Algorithm. The session concluded by listing few applications of Aerodynamics.

# IQAC & DEPARTMENT OF CHEMISTRY

## Workshop on Paper Bag Making

Plastic bags have dominated the present bag market against other alternatives. However, the dominant use of plastic bags has been questioned as a result of its non-biodegradable nature and its environmental impact. As part of the green initiative of the Department of Chemistry, students made 50 paper bags and distributed them among the teachers to create awareness about the disadvantages of the usage of plastic bags and plastic products. This paper bag making takes a cursory look at plastic bags and some available alternatives in order to highlight their impact on the environment throughout their life cycle. 41 students of III B.Sc. Chemistry actively participated in this program on 18 July 2017, under the guidance of Mrs. Sumaya P.A., Faculty, Department of Chemistry. Students were divided into five groups and the steps involved in making of paper bags was demonstrated to them. The first paper bag was given to Dr. Lisy Cherian, Principal of the college. The objective of the drive was to develop the habit of recycling among students by teaching them how to make paper bags and also to create awareness on the damage caused by plastic bags to the environment.

# IQAC & DEPARTMENT OF PHYSICS

## National Seminar on Frontiers in Nano Technology

A UGC sponsored National Seminar on *Frontiers in Nano Technology* was organized on 8 and 9 August 2017.



## Seminar On Science And Technology For Sustainable Technology

Department of Physics in association with IQAC conducted a seminar on *Science and Technology for Sustainable Future* on 22 and 23 February 2018.

## Seminar On Energy Conservation

Department of Physics in association with IQAC conducted seminar on Energy Conservation on 18 December 2017.

## Seminar as part of National Science Day celebrations

Department of Physics and IQAC in association with Kerala State Council for Science, Technology and Environment, and DST, Government of India organised Science Day Lecture on 22 February 2018.



## NATIONAL SCIENCE DAY

Commemorating Legacy of  
Sir C.V. Raman

DEPARTMENT OF PHYSICS

# Mar Thoma College for Women

Perumbavoor



## SCIENCE DAY CELEBRATIONS

22 & 23 Feb 2016

Supported by



Kerala State Council for Science,  
Technology & Environment and DST, Govt. of India





**IQAC :**  
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**2018-2019**



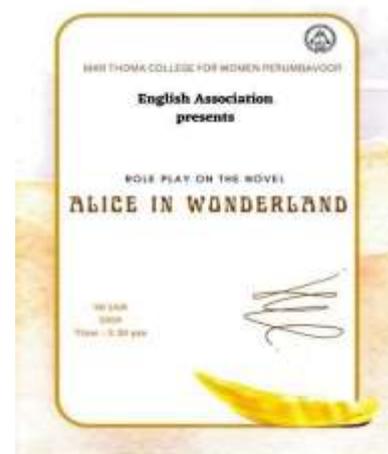
## IQAC & Department of English

### Role play of t h e Novel

The Department of English in association with IQAC conducted a role play based on the novel “Alice in wonderland” on 30 January 2019. The students dressed up as the different characters of the play and conducted a flash mob.

“Alice in wonderland” was chosen as the theme for the programme as the novel in itself depicts a rather imaginative way of life and introduces a lot of different characters which the students could dress up as. The novel was written by the noted English author, poet and Mathematician Lewis Carol in 1865. With its fantastical tales and riddles, it became one of the most popular works of English language fiction. It was notably illustrated by the British artist John Tenniel. The story centers on Alice, a young girl who falls asleep in a meadow and dreams that she follows the White Rabbit down a rabbit hole. She has many wondrous, often bizarre adventures with thoroughly illogical and very strange creatures. However, by the end of the novel, Alice realizes that the characters are only a pack of cards, and she then awakens from her dream. The story was originally told by Carroll to Lorina, Alice, and Edith Liddell (the daughters of Henry George Liddell, dean of Christ Church, Oxford.)

The costume party was a grand success and the programme was a visual treat for the staff and students of the College. A total of 67 participants from the Department of English participated in the programme.



## IQAC & Department of History

### Workshop on Emerging perspectives in History and Archaeology

Department of history and Archaeology in association with IQAC organized a Two Day "National Workshop on Emerging Perspectives in History and Archaeology" on 6 and 7 February 2019.

## IQAC & Department of Commerce

### Workshops on Digital Marketing

Department of Commerce in association with IQAC, Make Intern and IIM Indore organized a two day workshop on "Digital Marketing". Workshops on "Communicative English", "Research Design" were also organized.

## IQAC & Department of Zoology

### Post Flood Water Analysis

Following the floods in 2018, on the 8<sup>th</sup> of September 2018, under the initiative of the Department of Zoology, PG and UG Zoology students along with students of the Department of Chemistry, and IQAC initiated an extension activity aimed at analysing the water quality of the water sources in the households in our neighboring ward Thodaparambu which was badly affected during the floods in Kerala. Though the targeted place was Thodaparambu, due to requests from people, the students collected samples for water analysis from Poopani Ward 8, 9, 10 and 11. The collected samples were analysed and reports were given to each house on 19 September 2018.

Outcome: The extension activity helped in domain specific skill enhancement and developing a sense of social responsibility and commitment towards the community.



**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	Filteration needed

**Recommendations:-**

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

## IQAC & Department of Physics

### Flood Relief Activities

Department of Physics & IQAC organized widespread flood relief activities. The final year students had actively participated in cleaning program of flood affected houses, organized by the College. Teachers and students had collectively contributed Rs 5250/- to the university flood relief fund. Besides, the Department also distributed bags, pens and books worth Rs 5000/- to flood affected students in the Ashramam School. Teachers and students had also contributed groceries to NSS flood relief campaign.

### Led Star Making

As a continuation of the previous years, in 2018 too, the students of the Department made LED stars which were put for sale. They donated the profit obtained from the sale to Abhaya Bhavan, Koovappady. They also celebrated Christmas with the inmates of Abhayabhavan. Students presented various dance and musical programmes. The Abhayabhavan inmates also presented their different abilities and it was a memorable experience.

## Zonal Centre Training Program

Department of Physics in association with IQAC, Makeintern group and E-cell of IIT Kharagpur, organized a Zonal Centre Training Programme on 15 and 16 November, 2018. Dr. Thaisvanthi from *Kalasalingam University* was the resource person. The training programme was on the relevant topic “Synthesis of Nanomaterials”. Around 45 participants registered for the training sessions. Participants include faculty members, students from the institution as well as other institutions.



## World Environment Day Celebrations

The Department along with IQAC had organized a craft competition to make useful things out of plastics and other waste materialson 5 June 2018. Students from different departments actively participated in it.

## National Energy Conservation Day Celebrations

National energy conservation day was celebrated on 14 December 2018 in collaboration with Energy Management Centre (EMC) and SAIF, Muvattupuzha. As a part of this the Department conducted an awareness rally from Perumbavoor town to the College and the rally was inaugurated by Adv. Eldhose Kunnappilly MLA. It highlighted the importance of energy consumption and its use in our day-to-day life, its scarcity and its impact on sustainable ecosystems.



## National Science Day Celebrations

National science day had been celebrated on 22 February, 2018 in collaboration with Academy of Physics Teachers, Kerala. As a part of this, a sky watch programme had been conducted on 1<sup>st</sup> and 2<sup>nd</sup> March 2019. Dr. N. Shaji, Retired Principal, Maharaja's College, Ernakulam, was the resource person. Students, faculty members and local people also attended the programme. The clear and beautiful images of Jupiter, Saturn, Moon and different constellations and the presentations were really informative.



# IQAC & Department of Mathematics

## Seminar on Mathematics in Daily life

Department of Mathematics in association with IQAC, Mar Thoma College for Women, Perumbavoor organized a seminar on “Mathematics in daily life” in association with Kerala State Council for Science, Technology & Environment (KSCSTE) and Department of Science and Technology (DST) on 02 August 2018 at 10 am in the PG Seminar Hall. Dr. Sunny Kuriakose, DEAN, FISAT Angamaly & Secretary, Kerala Mathematical Association was the resource person for the programme.



## IQAC & Department of Chemistry

### Seminar on Scope in the Field of Chemistry

Department of Chemistry in association with IQAC conducted seminar on “Scope in the Field of Chemistry” and the resource person was Dr. Praveen N.K, Assistant Professor, Department of Chemistry, NSS College, Cherthala.

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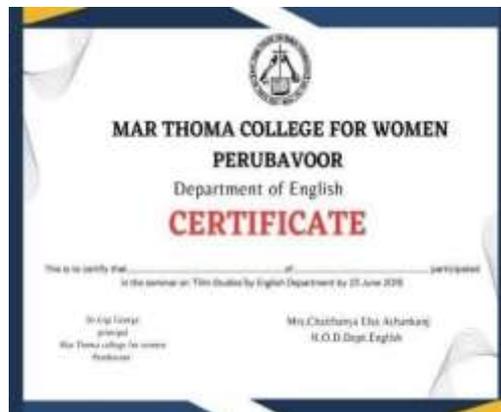
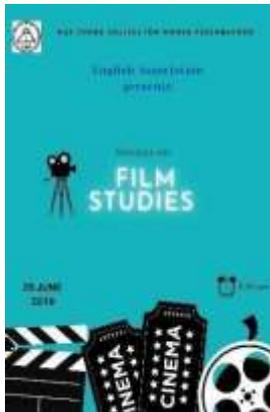
**IQAC :**  
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**2019-2020**



## IQAC & DEPARTMENT OF ENGLISH

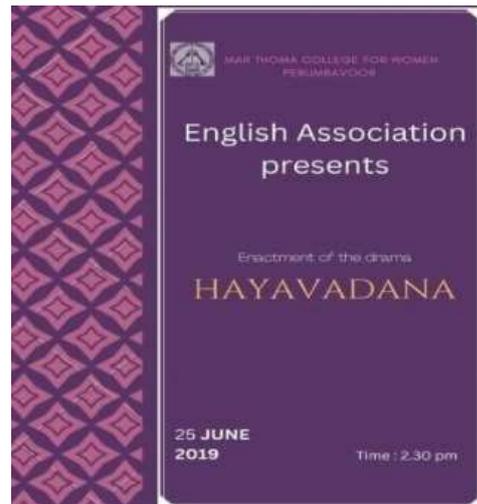
### SEMINAR ON FILM STUDIES

The Department of English in association with IQAC organized a seminar on “Film studies” on 25 June 2019. The resource person for the day was Prof. Cheri Jacob K., Head of the Department of English, U. C. College, Aluva. Students were introduced to Film Studies as a research area. The seminar was attended by a total of 65 participants who benefited greatly from it.



### PERFORMANCE OF HAYAVADANA AND SEMINAR ON GIRISH KARNAD

The English Association and the IQAC of the college organized the staging of the drama “Hayavadana” with the full-fledged support of the Drama Club on 25 June 2019. The programme was organized as a tribute to the late author Girish Karnad. The audience and the participants of the play together formed a total of 70 people. The performance was followed by presentations made by students on the life and works of Girish Karnad.



## SEMINAR ON “WHAT TO DO WITH TEXTS?: FUNDAMENTALS OF CRITICAL REASONING”

A seminar on “What to do with Texts?: Fundamentals of Critical Reasoning” was organized by the English Association in association with the IQAC on 19 September 2019. The resource person for the day was Dr. Jibu Mathew George, Assistant Professor, The English and Foreign University, Hyderabad. In his talk, Dr. Jibu emphasized on the need to critique any given text using different theoretical frameworks. The lecture was attended by a total of 63 participants.



## IQAC & DEPARTMENT OF HISTORY

### SEMINAR ON “WOMEN EMPOWERMENT IN THE CURRENT SCENARIO”

A seminar on ‘Women Empowerment in the Current Scenario’ was held on 22 July 2019 under the auspices of the History Association and IQAC. Dr. Aji C Panicker, Member, Syndicate of MG University, led the main talk. It was followed by an invited lecture in the afternoon by Prof. Dr. K. M. Sheeba, Dept. of History, Sree Sankaracharya University of Sanskrit, Kalady on ‘Locating Histories of Women in Ancient India’. The seminars helped the students to realise the efforts put forth by women from ancient times toward the goal of emancipation

### NATIONAL WORKSHOP ON PATTANAM

Nine students of second year and eight students from third year B.A History participated in the National Workshop on Pattanam on 26 & 27 July 2019. The workshop involved field visit to the archaeological site of Pattanam and excavation of materials.

### NATIONAL WORKSHOP ON “RECENT TRENDS IN ARCHAEOLOGY”

The Department of History, in association with IQAC, organised a National Workshop on “Recent Trends in Archaeology” on 2 August 2019. Mrs. Bhakti Gohil, Ms. Rajalakshmi Karaikulam and Ms. Nisha Rani Das of M.S. University, Baroda were the resource persons.

## NATIONAL LECTURE SERIES

As a part of the National Lecture series of the Department of History in association with IQAC, Prof. Pius Malekandathil, Centre for Historical studies, JNU, New Delhi, delivered a lecture on “Connecting the link between Highlands, Valleys, and the Periyar River: Locating the History of trade in pre modern Kerala.”

## NATIONAL WORKSHOP ON “NEW TRENDS IN HISTORY & ARCHAEOLOGY”

A three-day national workshop on “New trends in History & Archaeology” was organized by the Department of History in association with IQAC, from 24 to 26 February 2020. Resource persons from different Universities of Kerala attended the workshop and delivered lectures.

## [IQAC & DEPARTMENT OF COMMERCE](#)

### SEMINAR ON BUDGET 2020

The Department of Commerce in association with IQAC organised a seminar on 12 February 2020 to discuss the Budget presented by Hon. Minister of Finance Ms. Nirmala Sitharaman in the Parliament. Presentations were made by students of all three batches. Charts supplementing their presentation were displayed in front of the department. The discussion was very fruitful in gaining insights into the various implications of the budget.

## SESSION ON “TALLY AND SCHOLARSHIP FACILITIES”

A Career Guidance Class on “Tally and Scholarship facilities” was organized for B. Com. final year students by the Department of Commerce in association with IQAC & Allen Institute of Tally on 20 September 2019. Tally Aptitude Test was also conducted for the B. Com. final year students as part of the programme. The session was intended to give the students an overview on Tally Software and its practical applications.

## CAREER GUIDANCE CLASS

The Department of Commerce in association with IQAC partnered with Logic School of Management in organising a career guidance class on CS, ACCA, AMA and CPA for B. Com. final year students on 22 August 2019. The session helped clarify the doubts that students had about the opportunities that entail the completion of these courses.

## IQAC & DEPARTMENT OF MATHEMATICS

### SEMINAR ON "APPLICATIONS OF RANDOM MATRIX THEORY IN MODERN STATISTICAL AND MACHINE LEARNING RESEARCH"

The Department of Mathematics organized a seminar on "Applications of Random Matrix Theory in Modern Statistical and Machine Learning Research" on 2 August 2019. Dr. Sandhya E, Associate Professor, Prajyoti Niketan College, Pudukkad, served as the resource person. The concept of random matrix theory and its relevance in modern data analysis was introduced to students. Dr. Sandhya discussed how random matrix theory provides a framework for analyzing large datasets and how it can be used to extract meaningful information from noisy data. The challenges faced during the use of random matrix theory in data analysis, including the need for robust statistical methods and the need to account for non-random structures in data, were also discussed.

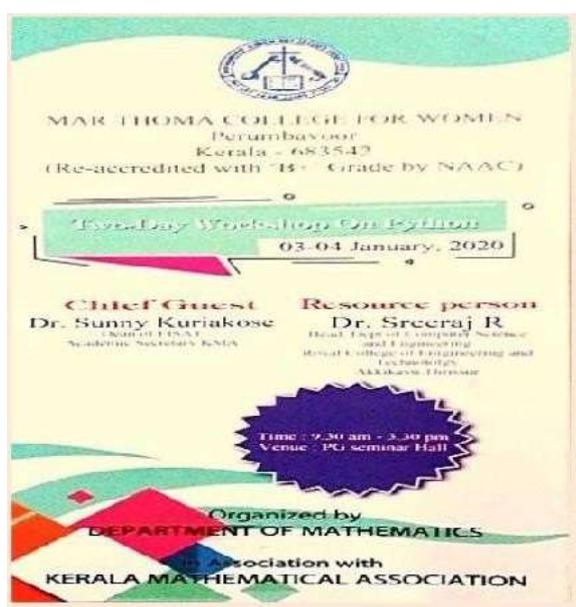


### WORKSHOP ON NUMERICAL ANALYSIS WITH PYTHON 3

Department of Mathematics in association with IQAC organized a two-days workshop for students and faculty on "Numerical Analysis with Python 3" on 3 and 4 January 2020. The workshop was conducted in collaboration with Kerala Mathematical Association (KMA). Dr. Sunny Kuriakose, Dean of FISAT &

Academic Secretary of KMA, inaugurated the workshop. In the first session of day one, history of Python programming language, set up of python programming environment for Windows, variables and data types, operations in python were explained.

The second session of day one of the workshop was led by the students on the installation of Anaconda software. Inbuilt data structures in Python were also discussed. At the concluding part of the workshop, students were given a python project to code and execute at runtime, followed by a session where students were asked to speak and express their experience of the workshop and what they learned during it.



## IQAC & DEPARTMENT OF CHEMISTRY

### WORKSHOP ON LIQUID SOAP MAKING

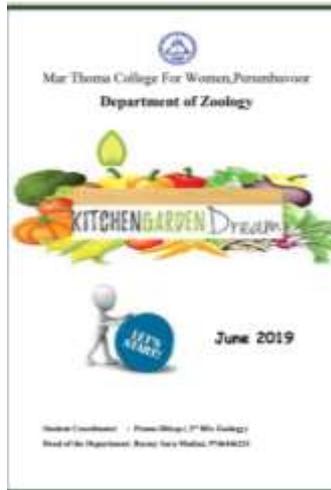
The Department of Chemistry in association with IQAC organized a workshop on “Liquid soap making” on 25 November 2019. As part of the workshop, students of third year B. Sc. Chemistry prepared liquid soap under the guidance of Ms. Seba George. This programme gave a platform to the students to understand the process of preparation and packing of liquid soap. They also became aware of the materials used for the preparation of liquid soap.



## IQAC & DEPARTMENT OF ZOOLOGY

### WORKSHOP ON KITCHEN GARDEN DREAM

The Department of Zoology in association with IQAC launched the "Kitchen Garden Dream" on 28 June 2019. Students were motivated to start kitchen garden in their homes thereby increasing self-sustainability. 37 students of the UG program committed to starting one at home. By the month of October, the dream became a reality.



## SEMINAR ON EYE HEALTH AWARENESS

The Department of Zoology & IQAC in collaboration with the Govt. Taluk Hospital Perumbavoor conducted a seminar and quiz as part of the Eye Health awareness week on 27 August 2019. 38 students participated in the event. The sessions helped in creating awareness on the importance of maintaining habits that promotes eye health among students.



## INTERACTIVE SESSION WITH COMMUNITY HEALTH SERVICE OFFICIALS

With the initiative of IQAC, the students of the Department of Zoology were taken to the Government Taluk Hospital, Perumbavoor on 27 September 2019 to interact with the community health service officials. Students had a great time clearing their doubts and getting to know about the different ongoing projects in the public health service sector.



## SEMINAR ON MEDICAL CODING AND TRANSCRIPTION

A career guidance seminar on medical coding and transcription with special reference to a diploma course on medical secretary was organized by the Department of Zoology & IQAC in collaboration with Irez Academy on 29 January 2020. The session was led by a 5 member team headed by Mr. Shyamlal V. S.



## IQAC & DEPARTMENT OF PHYSICS

### ENVIRONMENT MANAGEMENT TRAINING, GO GREEN-EMT 2019

Department of Physics and IQAC, in association with Kerala State Council for Science, Technology and Environment (KSCSTE), organized an Environment Management Training Programme “EMT- Go Green 2019” from 11 to 14 January 2020. Prof. (Dr.) Sabu Thomas, Hon. Vice Chancellor of Mahatma Gandhi University, Kottayam, inaugurated the function. The four days programme consisted of various talks from reputed resource persons including Mr. A. Satheesh, Scientific Officer, Koodankulam Nuclear power Plant, Tamil Nadu, Dr. K. Soman, President, Energy Conservation Society(ECS), Mr. Baby Kuriakose, Secretary ECS Kerala, Mr. Santhosh A., Auditor, and Mr. Alexander, Retd. Farm Manager.



## NATIONAL SCIENCE DAY CELEBRATIONS

Department of Physics and IQAC, celebrated National Science Day on 17 and 18 February 2020 in association with Kerala State Council for Science, Technology and Environment (KSCSTE) and DST, Government of India. Science Lecture, Science Exhibition and Documentary Presentation were arranged in relation to the same. Prof. (Dr.) Babu Joseph, former Vice Chancellor, Cochin University of Science and Technology (CUSAT) inaugurated the programme and delivered a talk on “Scientific Temper”. Dr. Anju Paulose, St. Theresa’s College, Ernakulam delivered a lecture on “Recent Research Trends in Material Science”. The talks helped the students to get a general awareness on the various fellowships and opportunities in this field of research.



## LIFE SKILL AND SOFT SKILL TRAINING

Department of Physics, in association with IQAC, conducted a series of life skill and soft training sessions for students of the Department. The training sessions were handled by eminent personalities in the respective fields. Life Skill Training was facilitated by Dr. M R Santha Devi, Retd. DRDO Scientist, and soft Skill Training was led by Ms. Manisha Bilani from Make Intern Group.



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**IQAC :**  
**Quality Initiatives**  
**2020-2021**



## IQAC & DEPARTMENT OF ENGLISH

### Webinar on “Between Once Upon a Time and Happily Ever After; Gender in Fairy Tales”

The Department of English in association with IQAC organized a national webinar on the topic “Between once upon a time and happily ever after; gender in fairy tales” on 16 November 2020. The resource person for the webinar was Dr Vrinda R Chanth, Assistant professor, Government college of Daman. The presidential address for the webinar was given by Ms Chaithanya Elsa Achankunju, Head of the Department of English.

Fairy tales are the common thread throughout the childhood of a human being. They have been morphed into a very effective means for exercising power over women and to maintain gender inequality. In children’s books, the character’s gender determines the character’s activities: male characters are more adventurous and physically active, while female characters are more passive and reserved. If they are presented with the idea that girls cannot do math, or boys cannot like the color pink, then that skewed image of gender becomes a part of how that child sees himself or herself. The acceptance of these stereotypes may limit what children think themselves to be capable of throughout their lifetime, and can lead to the perpetuation of the stereotypes to future generations. The plots of most tales’ impress upon their readers that the home is where a woman belongs and, furthermore, she receives both social and financial security through marriage into the home of her “Prince Charming”. In most fairy tales, in order for the woman to have a proper “happily ever after”, marriage is a must.

The students had the opportunity to understand about the gender stereotypes that prevail in the society and the need to take a stand against all of it. The programme had a total of 89 participants.

## Webinar on “Quick Relook at the Practice of Teaching English Language and Literature”

A national webinar on the topic “A quick relook at the practice of teaching English language and Literature” was conducted by the English Association in association with IQAC on 4 May 2020. The resource person for the day was Mr George Mathew, Associate Professor of English (Retired) at Mar Ivanios College, Thiruvananthapuram. The presidential address of the programme was given by the Principal.

The webinar aimed at emphasizing the use of literature as a popular technique for teaching both basic language skills (reading, writing, listening and speaking) and language areas (vocabulary, grammar and pronunciation). The session discussed about, why language teachers use literary texts in the foreign language classroom and gave the notion that the main criteria for selecting suitable literary texts in foreign language classes is to make the reader familiar with the underlying reasons and criteria for language teachers’ using and selecting literary texts.

The students became aware that they become more productive and adventurous when they begin to perceive the richness and diversity of the language they are trying to learn and learnt to make use of some of that potential. A total of 85 participants took part in the online session. The programme ended with a vote of thanks presented by the Association Secretary.

## Webinar on “Online Training Programme on Academic Writing”

An “Online Training Programme on Academic writing” was conducted by the Department of English in association with the IQAC on 11 February 2020. The resource person for the programme was Dr Meena Panikker, Associate Professor at P A First Grade College, Mangalore. The presidential address for the programme was presented by the Head of the Department of English, Ms. Chaithanya Elsa Achankunju.

Academic writing or scholarly writing is nonfiction produced as part of academic work, including reports on empirical fieldwork or research in facilities for the natural sciences or social sciences, monographs in which scholars’ analyses culture, propose new theories, or develop interpretations from archives, as well as undergraduate versions of all of these. Though the tone, style, content, and organization of academic writing vary across genres and across publication methods, nearly all academic writing shares a relatively formal prose register, frequent reference to other academic work, and the use of fairly stable rhetorical

moves to define the scope of the project, situate it in the relevant research, and to advance a new contribution. There are a number of areas of importance in all academic and scholarly writing. While some areas, such as the use of appropriate references and the avoidance of plagiarism, are not open to challenge, other elements, such as the appropriate style, are contested. Since writing is the main method of academic communication. It is also the most difficult skill for most students to master.

The session provided the 78 participants with an idea on how to write academic papers and made them aware about what makes the paper a standard piece of writing. The programme ended with the vote of thanks delivered by the association representative from II B A English.

## **IQAC & DEPARTMENT OF COMMERCE**

### **International Webinar on “Post-Covid 19 Business Environment: Challenges and Opportunities”**

The Department of Commerce has organized an International Webinar under the convenorship of Mrs Avani T. on the topic “Post Covid-19 Business Environment: Challenges and opportunities” in association with IQAC on 7 June 2020. The resource person for the programme was Dr Justin Paul, Chief editor, International Journal of Consumer Studies and Professor, University of PR. The webinar aimed at the challenges and opportunities of business environment after the Covid situation.

### **Webinar on “Research Methodologies for Social Science”**

A webinar was conducted on the topic “Research Methodology for Social Science” on 11th November 2020 by the Department of Commerce in association with IQAC. The resource person for the day was Dr. S. Kevin, former professor and former co vice-chancellor, university of Kerala.

The program discusses about the details about researches, research problems, research questions, literature survey, the concept of variables, types of variables, data collection tools, and statistical tools for data analysis.

### Inter Departmental Webinar Series on “Career Counselling”

A webinar on the topic “Career Counselling Selecting the Right Careers” was conducted on 19 January 2021 with the association of Department of History and Archaeology and the Institute of Insurance and Risk Management. The resource person for the day was Dr V. V. K. Mohan.

### Inter Departmental Webinar Series on “Skill Development”

A webinar on the topic “Skill Development Post Covid Skill Sets” on 22 January 2021, was conducted with the association of Department of History and Archaeology and the Institute of Insurance and Risk Management. The resource person for the programme was Mr Ravi Kiran.

### Inter Departmental Webinar Series on “Financial Services”

On 25 January 2021, Department of Commerce in association with IQAC conducted the third webinar of the inter departmental webinar series in association with the Department of History and Archaeology and the Institute of Insurance and Risk Management on the topic “Financial Services Career in Financial Services”. The resource person was Mr P. V. Vijaya Kumar.

### Inter Departmental Webinar Series on “Business Analytics”

On 27 January 2021, Department of Commerce conducted the fourth webinar of the inter departmental webinar series in association with the Department of History and Archaeology and the Institute of Insurance and Risk Management on the topic “Business Analytics”. Prof. A. Deepak Kumar introduced the different analytical tools.

## **IQAC & DEPARTMENT OF ZOOLOGY**

### Debate on “Gender Sensitive Issues”

The Department of Zoology conducted a debate was conducted for the first-year zoology students on 16 February 2021 on the topic “Women should change their Names after Marriage”. This gender sensitive topic was deliberated to bring in thoughts of self-worth, women empowerment and self-identity.



## National Webinar on “Change Your Mind, Change Your Life: Coping up with the *Girl-Stress*”

The Department of Zoology in association with IQAC, organized a National webinar on 12 September 2020. More than 270 registered entries for the programme from 46 different institutions. Housewives, students and teachers both school and college level benefitted from the session. Mrs. Amathul Wardha, Academic Administrator, System Quest pvt. Ltd Distance Education Center, Bangalore served as the resource person.



## National Webinar on “Know Your Worth: Unpaid Labor the Indian Scenario”

The Department of Zoology in association with IQAC, hosted a National webinar on 19 September 2020, Saturday. There were 165 registrations of which there were participants from other states of India. Several faculty members from other colleges, students both from schools and colleges from different states, parents and others benefitted from. The session was led by Mrs. Sreeja Gopal, Assistant Professor, Department of Economics, NSS College, Ottapalam.

**MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR, KERALA**  
Is accredited by NMAC with B+ grade (Affiliated to Mahatma Gandhi University)

**IQAC & DEPARTMENT OF ZOOLOGY**  
presents National Webinar on

**"Know your worth : Unpaid labor-the Indian scenario"**  
WEBINAR SERIES-13

**Target audience: Students, Parents, Women**

Last date for registration: 18 September 2020

- Registered participants will be e-mailed the link to attend webinar.
- Kindly be present by 10.00 A.M on 19/9/20.
- E-certificates will be issued\*
- For more details/queries contact: 9746446231, 7025740499

**REGISTER HERE**

Resource person:  
**Mrs. Sreeja Gopal**  
Assistant Professor  
Dept. of Economics  
NSS College Ottapalam

Date: September 19, 2020  
--Saturday  
Time: 11.A.M.

Resource person: Mrs. Sreeja Gopal, Asst Prof., Dept. of Economics, NSS Ottapalam

Welcome note: Mrs. Anu K. Mathew

Moderator

Vote of Thanks: Ms. Feha Elshor

**National Webinar**  
*"Know your worth : Unpaid labor-the Indian scenario"*

19 September 2020  
Dr.C. MICW

## Intercollegiate Contests

In connection with the Environment Day observance, the Department of Zoology collaborated with IQAC and Newman College to organise a week long programmes. The intercollegiate essay contest, photography, elocution contest, quiz competition and the campaign had 7, 20, 5, 12 and 56 participants respectively. Collaborating with the Zoology department of another college provided a better platform for students to share experiences, support each other in planning and conduct.

**Department of Zoology**  
**Mar Thoma College for Women**  
**Perumbavoor**

**തണലേകാം**  
*Planting Campaign*

അല്ലെങ്കിലും അന്ന് നമ്മുടെ മരംപിടിപ്പിച്ചു  
 അത്യാവശി പലപ്പോൾ അതി മൃതിക്കു മുമ്പേ  
 വേണ്ടിയിരുന്നില്ല എന്ന് നാം ഓർമ്മിക്കണം?

ഈ പോലീസിലൂടെ സമയം നാം ഇല്ലാതായി  
 നിന്നു പ്രകൃതിയെക്കുറിച്ചു കൂടുതൽ അറിയാൻ  
 വാട്സ്ആപ്പ് പ്രകൃതിയിടപെടൽ ഗ്രൂപ്പ് നാം നമ്മുടെ  
 വീട്ടുമുറ്റത്ത് ഒരു പേടി, അതായിരിക്കും വലുതും  
 കൂടെയ്ക്ക് നല്ലത് അനുഭവം എന്ന ബോധത്തോടെ

നാം നട്ടു പെടിയും നമ്മളും  
 ഒന്നിച്ചുള്ള ഒരു ഫോട്ടോ  
 തണലേകാം എന്ന **Caption**  
 നോടെ **whatsapp status** ഇടുക

Poster M

**Department of Zoology**  
**Mar Thoma College for Women Perumbavoor**  
**& Newman College Thodupuzha**

**ലോക പരിസ്ഥിതി ദിനം**  
**ജൂൺ 5**

**Online**  
**Photography Competition**  
**Theme : നാട്ടുപച്ച**  
**Essay Competition**  
**Subject : കൊറോണ പ്രകൃതിയിൽ**  
**കൊണ്ട് വന്ന മാറ്റങ്ങൾ**

**Deadline : JUNE 5, 5.00 PM**

Whatsapp to :  
 745189705(Lakshmi  
 Sankar Laju)

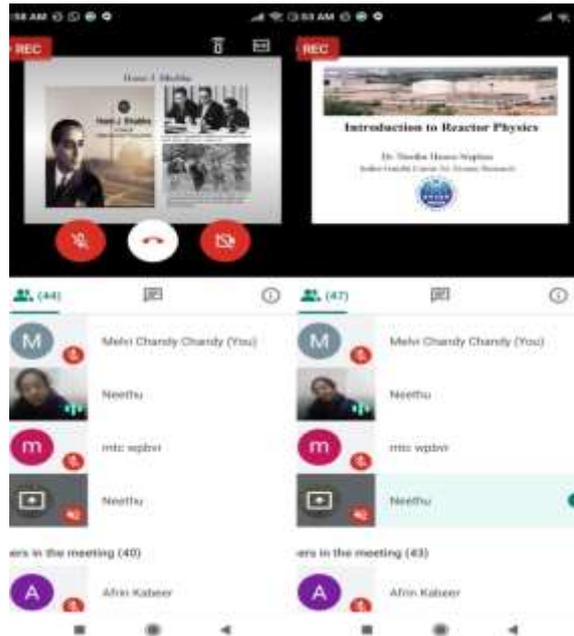


## IQAC & DEPARTMENT OF PHYSICS

### Talk on “Introduction to Reactor Physics”

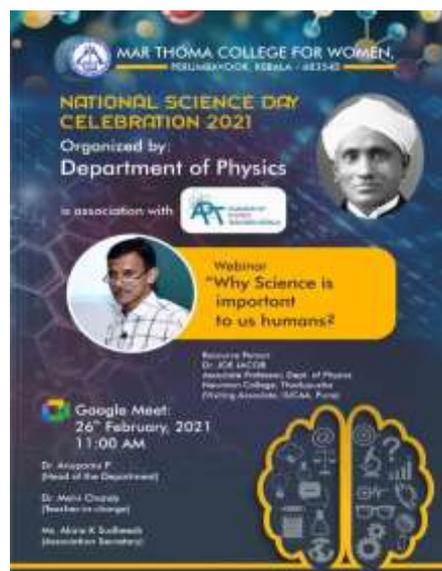
Department of Physics and IQAC conducted a talk on “Introduction to Reactor Physics” was delivered by Dr. Neethu Hanna Stephen, Scientific Officer E, IGKAR, Kalpakkam, Tamil Nadu on 05 December 2020 as part of Physics Association inauguration.





## Webinar on “Why Science is Important to us -Humans?”

A webinar on 26 February 2021 by Joe Jacob, Associate Professor, Dept. of Physics, Newman College, Thodupuzha on the topic "Why Science is important to us humans?" was conducted as part of National Science Day Celebration in association with Academy of Physics Teachers (APT) Kerala.



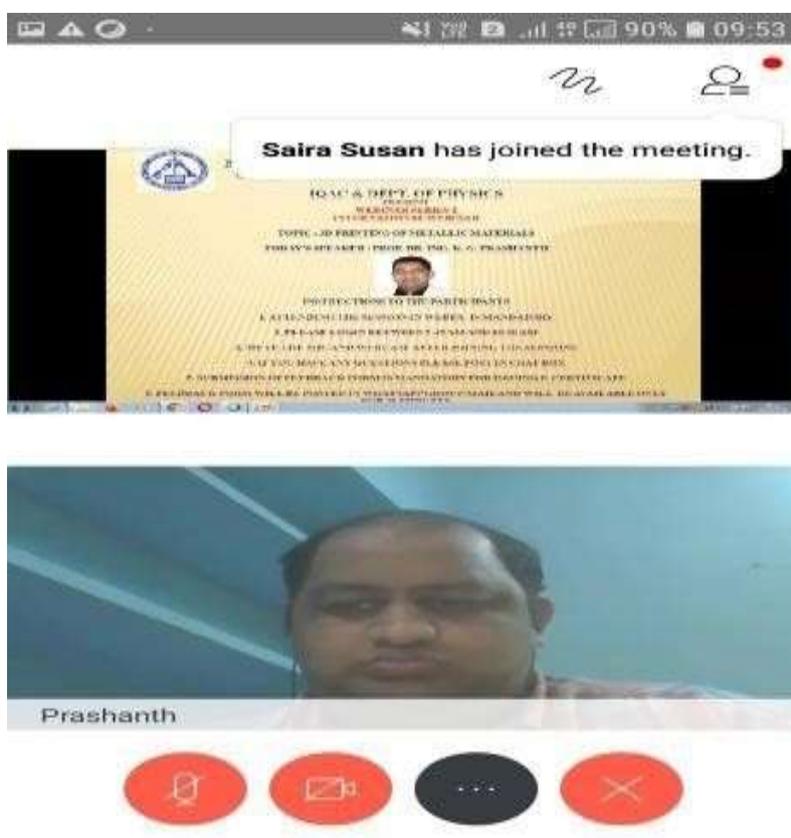
## International Webinar on “Materials Simulations”

The Department of Physics in association with IQAC conducted International webinar on topic “Material simulations”. The webinar was held on 27 May 2020. Dr. Binit Lukose, Associate Editor, John Wiley & Sons, Hoboken, NJ, USA served as the resource person.



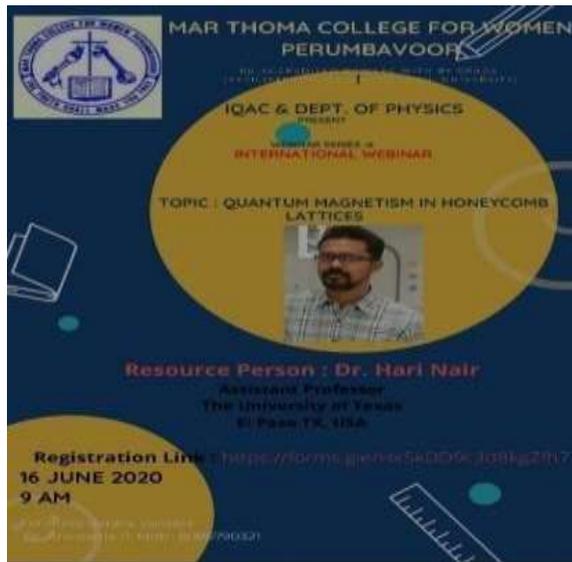
## International Webinar on “3D Printing of Metallic Materials”

The Department of Physics in association with IQAC conducted International webinar on topic “3D printing of metallic materials” on 28 May 2020. Dr. Ing. K. G. Prashanth, Prof. and Head of Additive Manufacturing Laboratory Dept. of Mechanical and Industrial Engineering Tallinn, Estonia served as the resource person.



### International Webinar on “Quantum Magnetism in Honeycomb Lattices”

On 16 June 2020, Department of Physics in association with IQAC conducted International webinar on topic “Quantum magnetism in honeycomb lattices”. Dr. Hari Nair, Assistant Prof., Department of Physics, University of Texas at El Paso, USA served as resource person.



## Two Days National Webinar on “Plasma and its Applications”

Two-days webinar on “Plasma and its Applications” was conducted by Department of Physics in association with IQAC and Institute for Plasma Research, Gujarat, on 08&09 October 2020, Resource Persons: Dr. Ravi A. Kumar, Scientific Officer-H, IPR, Ms. Chhaya Chavda, Scientific Officer, IPR, Gujarat.



પ્લાઝ્મા અનુસંધાન સંસ્થાન  
Institute for **Plasma Research**  
Gandhinagar, Gujarat

## PLASMA AND ITS APPLICATIONS TWO DAY WEBINAR



**08 & 09 October 2020**  
**2 pm to 4 pm**

**Platform:** 



<https://forms.gle/eMTZPdEA3jLLB267>

### Organising Committee:

Dr. Ravi A.V. Kumar  
Scientific Officer-H, IPR  
Ms. Chhaya Chavda  
Outreach Division, IPR  
Gujarat

Dr. Gigi George (Principal, MTCW)  
Dr. Anupama P.  
Dr. Paulose Thomas  
Dr. Rajani Jacob  
Dr. Melvi Chandy  
(Dept. of Physics, MTCW)

### Session 1 : 08 Oct 2020

1. What is Plasma
2. What is Fusion
3. Basic Experiments
4. Q & A Session

### Session 2 : 09 Oct 2020

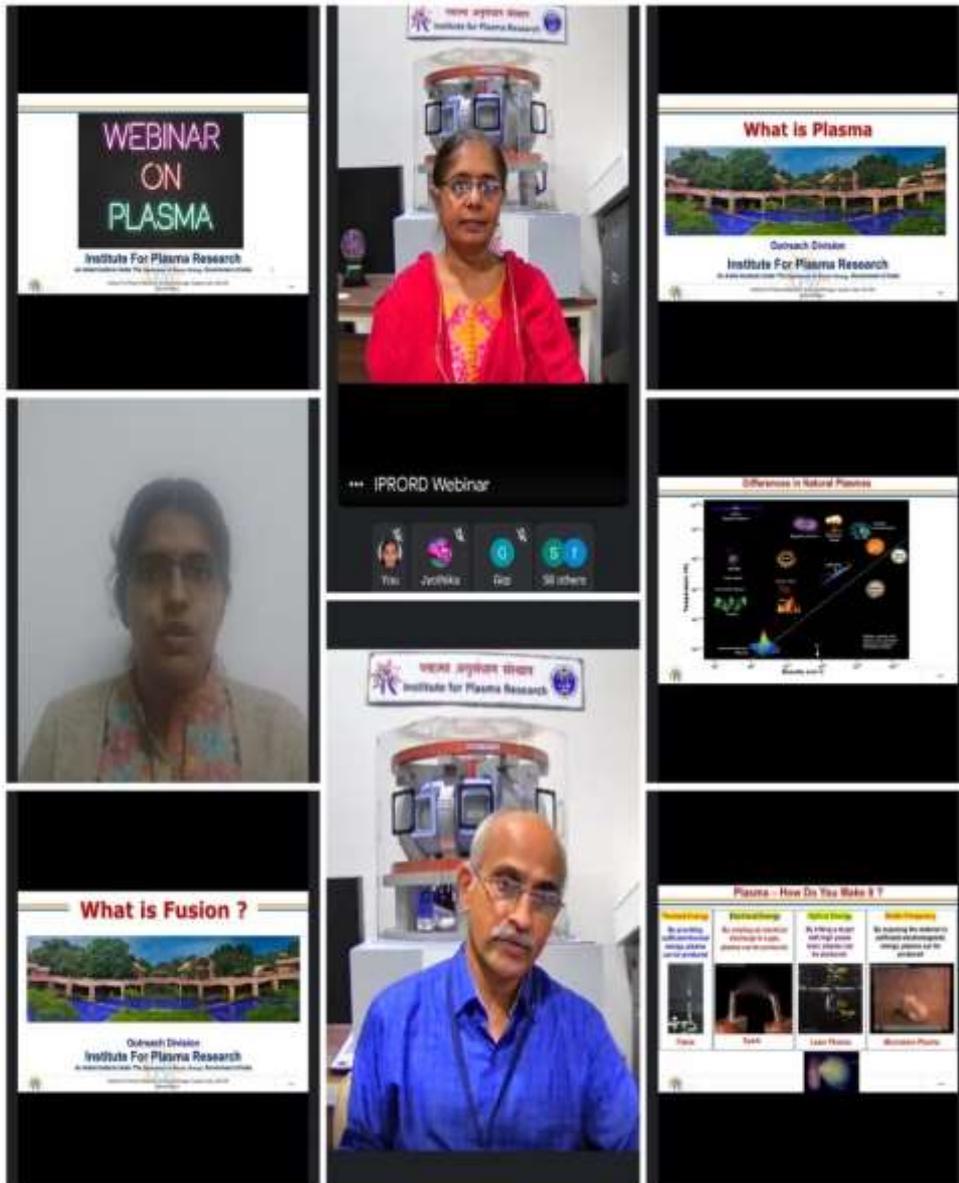
5. Plasma Applications
6. IPR and Career
7. App Model
8. Q & A Session

Only for  
MTCW  
Students

E-certificates will be given to participants who attend the 2 days webinar



**MAR THOMA COLLEGE FOR WOMEN**  
Perumbavoor, Ernakulam, Kerala.



## Webinar on "Energy Efficiency In Domestic Sectors"

A Webinar on "Energy Efficiency in Domestic sectors", was conducted by Department of Physics in association with IQAC & Energy Management Centre (EMC), Kerala on 03 December 2020. Mr. Ijas M.A, Energy Technologist, EMC was the resource person.

  
 MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR  
 KERALA - 683542  
**ENERGY CONSERVATION DAY CELEBRATIONS 2020**  
 Organized by  
 Department of Physics

In association with  ENERGY MANAGEMENT CENTRE KERALA

**Webinar 1**

**Energy efficiency in domestic sectors**



Resource Person  
**Mr. Ijas M A**  
 Energy Technologist,  
 Energy Management Center  
 (EMC), Kerala.

**Date- 3-12-2020**  
**Time- 1:30 pm**  
**Platform- Google Meet**

---

Convenors Dr. Anupama P (HoD)  
 Dr. Melvi Chandy (Association-in-charge)

2:08 PM

REC

ENGLISH ELECTRIC

3. Replacement of 100W CFL with 10W LED Bulb

Applicance	Power (W)	Equip. Qty. (Nos/Qty)	Annual Energy (kWh)	Rate per kWh	Annual Cost (Rs)
CFL	100	8	100.00	5.24	524.00
LED Bulb	10	8	10.00	5.24	52.40
Net Saving (Annual)					471.60
Payback Period (Years)					1.08

Investment @ Rs. 200 / 100W x 8 Nos. = Rs. 1600/-

Savings @ Rs. 200 / 10W x 8 Nos. = Rs. 1600/-

3. Replacement of 40W CFL with 10W LED Bulb

Applicance	Power (W)	Equip. Qty. (Nos/Qty)	Annual Energy (kWh)	Rate per kWh	Annual Cost (Rs)
CFL	40	8	40.00	5.24	209.60
LED Bulb	10	8	8.00	5.24	41.92
Net Saving (Annual)					167.68
Payback Period (Years)					0.95

Investment @ Rs. 200 / 40W x 8 Nos. = Rs. 1600/-

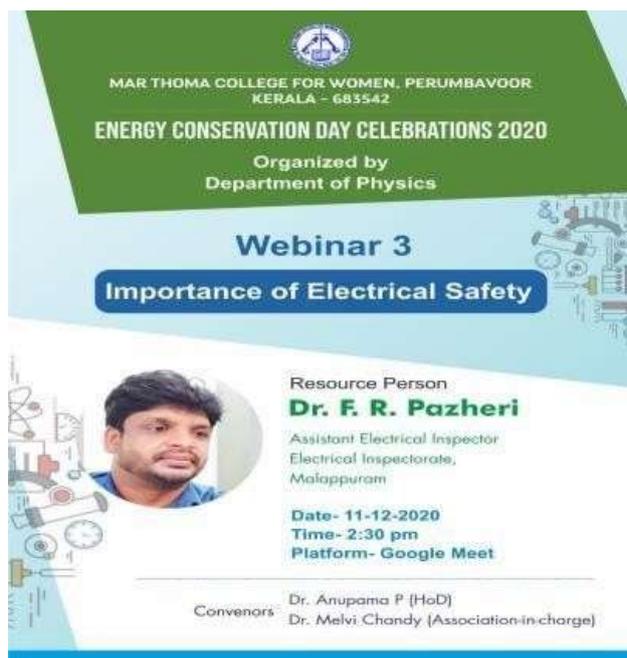
Savings @ Rs. 200 / 10W x 8 Nos. = Rs. 1600/-

(55)

-  Namitha KB >
-  NANDANA JAYAN >
-  Nasir jaffer >
-  NASOORAH JALAL >
-  NITHUNA RAJAN >
-  parvathy Vs >

## Webinar on “Importance of Electrical Safety Physics”

A webinar on importance of Electrical Safety Physics was conducted by Department of Physics in association with IQAC and Electrical Inspectorate, Kerala on 11 December 2020, Resource Person: Dr. F.R. Pazheri Assistant Electrical Inspector, Electrical Inspectorate, Malappuram served as resource person.



MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR  
KERALA - 685542

ENERGY CONSERVATION DAY CELEBRATIONS 2020  
Organized by  
Department of Physics

**Webinar 3**  
**Importance of Electrical Safety**

**Resource Person**  
**Dr. F. R. Pazheri**  
Assistant Electrical Inspector  
Electrical Inspectorate,  
Malappuram

**Date- 11-12-2020**  
**Time- 2:30 pm**  
**Platform- Google Meet**

Convenors: Dr. Anupama P (HoD)  
Dr. Melvi Chandy (Association-in-charge)



1:55 PM

REC

CONSERVE ENERGY ?

Participants (54):

- Alfiya Kareem
- AMEENA KASIM
- Amitha Kareem
- ANAGHA JOY
- Anitha Thomas
- Anju K Rajan

## Webinar on “Lessons of Sustainability from Pandemic Era”

A webinar on “Lessons of Sustainability from Pandemic Era-” was conducted by Department of Physics in association with IQAC and Petroleum Conservation and Research Association, Ministry of Petroleum and Natural Gas, Govt. of India on 14 December 2020. The Resource Persons were Mr. Suresh Kumar M., Additional Director, PCRA, Kochi.



**MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR**  
KERALA - 683542

**ENERGY CONSERVATION DAY CELEBRATIONS 2020**

Organized by  
Department of Physics

In association with  **PCRA**

**Webinar 4**

**Lessons of Sustainability from Pandemic Era**



**Resource Person**  
**Suresh Kumar M**  
Additional Director  
Petroleum Conservation Research  
Association(PCRA), Kochi.  
Ministry of Petroleum and Natural Gas  
Govt. of India.

**Date- 14-12-2020**  
**Time- 1:30 pm**  
**Platform- Google Meet**

**Convenors** Dr. Anupama P (HoD)  
Dr. Melvi Chandy (Association-in-charge)



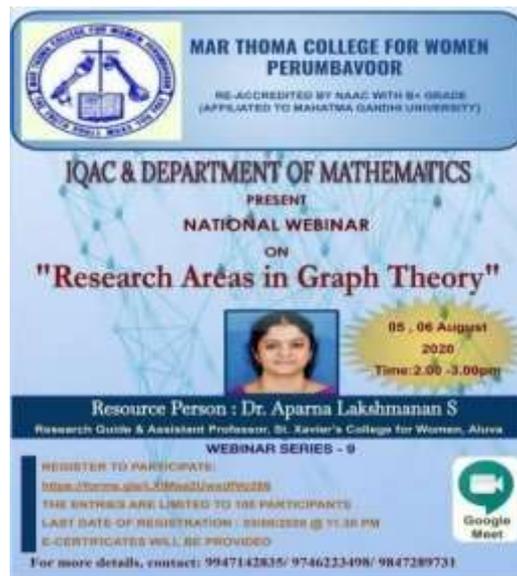
## IQAC & DEPARTMENT OF MATHEMATICS

### National webinar on “Research Areas in Graph Theory”

The Department of Mathematics in association with IQAC organized a national webinar on ‘Research areas in Graph Theory’. The webinar was held on 5 and 6 August 2020 from 2.00 pm to 3.00 pm via google meet platform. The webinar began with a word of appreciation by Dr. Gigi George, Principal-in- Charge, Mar Thoma College for Women, Perumbavoor, who lauded the importance of the webinar by mentioning the vast research scopes in Graph Theory. Dr. Anupama P., IQAC Co-ordinator introduced the resource person and felicitated the gathering.

The webinar was attended by 34 research scholars, 68 faculties and 56 students from various colleges. Dr. Aparna Lakshmanan S., Research guide and Assistant Professor of St. Xavier’s College for Women, Aluva was the resource person. This webinar successfully achieved its objective to throw light on the research areas in Graph Theory.

The first day of the webinar started with the discussion of Graph Classes and Graph operators which are the prominent research areas in Graph Theory.



## Webinar On “Exciting and Challenging Trends of Mathematical Research”

The webinar on ‘Exciting and Challenging trends of Mathematical Research’ in association with IQAC started at 10.30 A.M. through google meet. Ms. Emilda Sebastian welcomed everyone to the meeting and handed the session over to Dr. Gigi George for the presidential address after which Dr. Anupama P. enlightened the crowd with a felicitation. The lecture by Dr. Ambat Vijayakumar began by 11am. Dr. Vijayakumar briefly discussed few interesting concepts from the history of Mathematics. He gave an insight into the troubles that had to be faced by the Mathematicians in the growth of the subject. The speaker shared his experiences of the difficulties and opportunities that Mathematics offers as a field of study. He engaged the students with various intriguing concepts and problems that illustrate the current trends in mathematical research. He also pointed out when, where and how Mathematics can be challenging and motivated the students to find ways to overcome them. He ended the session inspiring the students to do research and learn more in Mathematics. Ms. Maria Mini Eldhose proposed the vote of thanks and concluded the meeting.

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

**MATHEMATICS ASSOCIATION [2020-21]  
INAUGURATION  
&  
WEBINAR ON  
"EXCITING AND CHALLENGING TRENDS OF  
MATHEMATICAL RESEARCH"**

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

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

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

## IQAC & DEPARTMENT OF CHEMISTRY

### Workshop On Sanitizer Preparation

During the outbreak of COVID-19 pandemic, hand sanitizer has emerged to be an alternative to soap and water washing both in health cases and public institutions. Chemistry Association in association with IQAC conducted two days workshop on the preparation of alcohol based sanitizers- "Hold a Drop" from 16 June to 17 June 2020 under the guidance of Ms. Seba George (Teacher-in-Charge). The composition and formulation for the preparation of the sanitizer was strictly followed according to the World Health Organization guidelines. 35 students of III rd. year B.Sc. Chemistry participated in the workshop. The prepared sanitizers were distributed among the students.

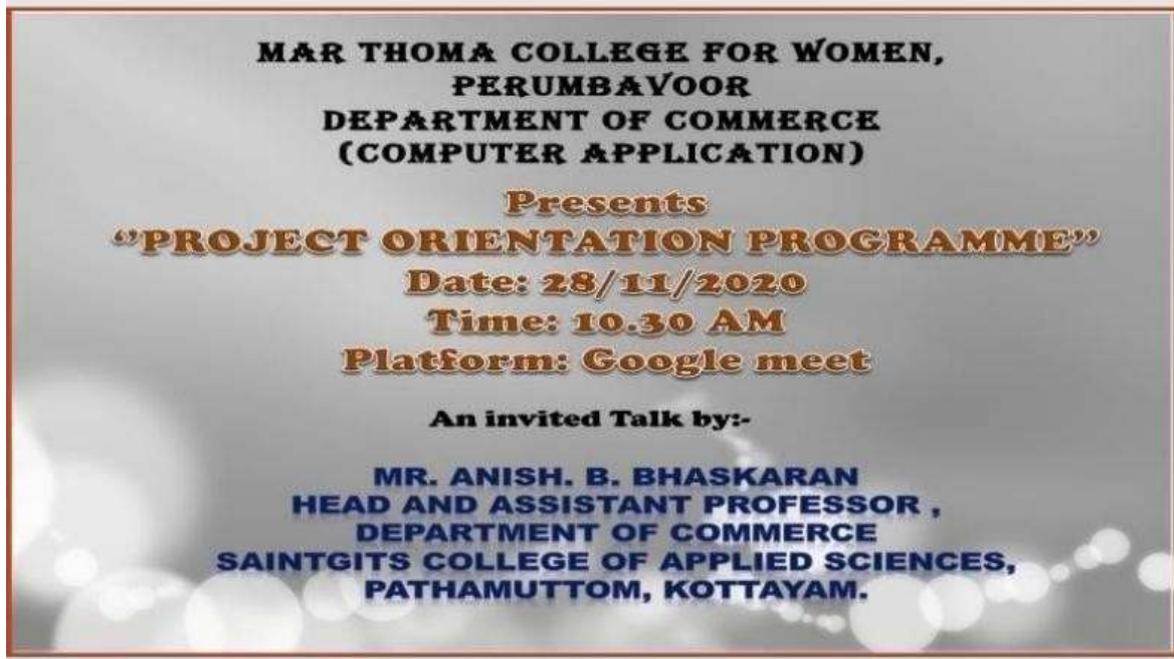


## IQAC & DEPARTMENT OF COMPUTER APPLICATION

### Project Orientation Programme

The Department of Commerce Computer Application in association with IQAC organized an online Project Orientation Programme for the students for their academic Projects. The session was handled by Mr. Anish. B. Baskaran, Head and Assistant Professor, Department of Commerce, Saintgits College of Applied Sciences, Pathamuttom, Kottayam on 28/11/2020 via Google Meet.

The session was very informative and interactive. Resource person enthusiastically delivered the speech. Students were asked to post their answers in the chat box and the session went as two-way communication. The RP pointed out that commerce students should create “employment”, they should explore their knowledge in research as a child. The session was very interactive; students also participated enthusiastically and clarified their doubts relevant to topic. The vote of thanks was delivered by Anandhi R Asst. Professor Department of Commerce computer application.



### Webinar on the topic “Scope of Commerce Education in 21st Century”

A Webinar on the topic “Scope of Commerce Education in 21 st century” in connection with Inauguration of Commerce Association CA 2020-2021 was organised by Department of Commerce Computer Application in association with IQAC with invited speaker Dr. Manjula. R. Iyer, Associate Professor and Research Guide, Chinmaya Deemed to be University, Piravom on 20/11/2020 via Google Meet. She is the prestigious alumnae of the institution. She highlighted the issues and challenges of commerce education in India as since last two decades a number of changes and developments have taken place in the social and political arena of the country.

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**IQAC :**  
**Quality Initiatives**  
**2021-2022**



# IQAC & DEPARTMENT OF ENGLISH

## Webinar on Reading Day

The Department of English in association with IQAC conducted a webinar as part of the “Reading Week Celebrations” on 24 June 2021. The resource person for the day was Dr Shiny Thomas, Head, Department of Malayalam, Mar Thoma College, Tiruvalla. Every year, June 19 is celebrated as the National Reading Day in honor of Puthuvayil Narayana Panicker (P.N. Panicker), who is considered as the Father of Library and Literacy Movement in Kerala. The importance of reading and some prominent works of legendary authors were discussed about during the session. The total number of 87 participants of the programme had an informative and enlightening session. The need for spending quality time every day for reading and becoming knowledgeable was the message which was taken by the participants of the session.



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

The Central Library in association with  
NSS (unit: 57) and English Association

Presents

**വായനവാര്ഷികദിനം**

Webinar

24th June 2021 2:30 pm

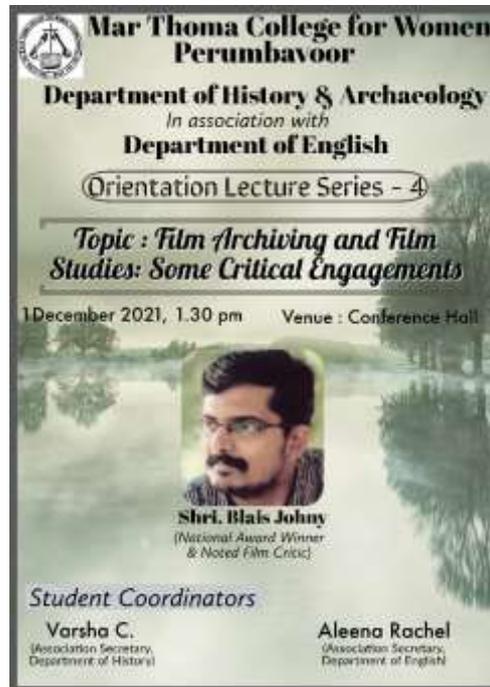
**Resource Person**  
**Dr. Shiny Thomas**  
HoD & Assistant Professor  
Department of Malayalam  
Mar Thoma College, Thiruvalla

via  
Google Meet

## Seminar On Film Archiving and Film Studies: Some Critical Engagements

A seminar on the topic, “Film archiving and film studies; some critical engagements” was organized by the English association and History Association in association with the IQAC of the college on 1 December 2021. The resource person for the day was Sri. Blais Johny, National Award Winner and Film Critic.

Film archives collect, restore, investigate and conserve audio-visual content like films, documentaries, television programs and newsreel footage. “Film preservation” refers to the practices used to prevent the physical ruin of images on celluloid. Anyone responsible for preserving, restoring, and making accessible our audio-visual heritage, including, film, television, video, and digital formats can be called an archivist. This media heritage is an important educational, historical and cultural resource. As practice as research, filmmaking has also become widely accepted in the field as a mode of scholarly inquiry in its own right. The 90 participants who attended the lecture got an opportunity to interact with the resource person and know more about the field. Students understood the various possibilities of the film field and about the history of the field better.



## Seminar On Introduction to Environmental Humanities

A seminar on the topic, “Introduction to Environmental Humanities” was organized by the English Association in association with IQAC on 14 December 2021. The resource person for the day was Dr. Raghul V Rajan, Assistant Professor, Aligarh Muslim University, Malappuram Centre.

Environmental Humanities is a multidisciplinary field where we study the History, Literature, Philosophy, and Anthropology of environmental problems, such as climate change. Environmental humanities employ humanistic questions about meaning, culture, values, ethics, and responsibilities to address pressing environmental problems. It aims to help bridge traditional divides between the sciences and the humanities, as well as between Western, Eastern, and Indigenous ways of relating to the natural world and the place of humans within it. Environmental humanities did not just emerge from Western academic thinkers, indigenous, postcolonial, and feminist thinkers have provided major contributions. These contributions include challenging the human-centered viewpoints that separate “nature” and “culture” and the white, male, European- and North American-centric viewpoints of what constitutes “nature”.

The lecture helped the students to realize the importance of preserving our environment and also about how they can make use of the environmental resources available to achieve their true potential. A total number of 56 participants participated in the lecture.

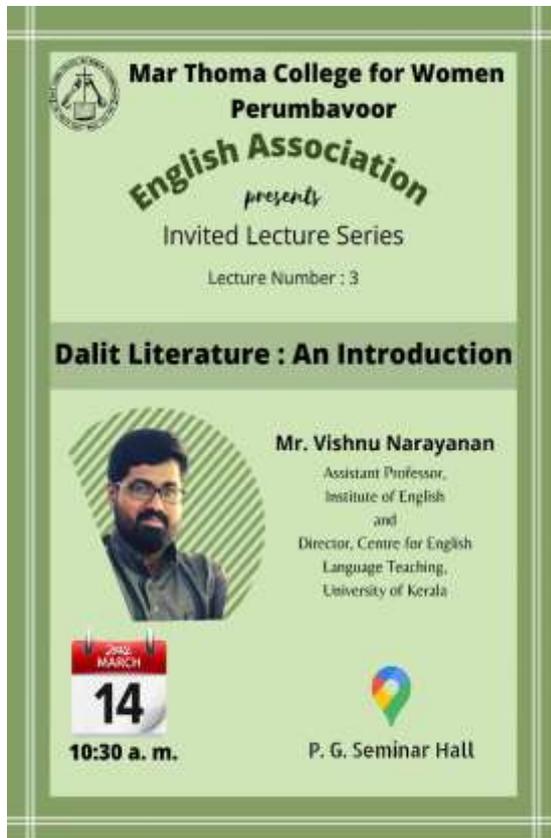
## Seminar On Dalit Literature: An Introduction

A seminar on “Dalit Literature: an introduction” was organized by English Association in association with the IQAC of the college on 14 March 2022. The resource person for the programme was Mr. Vishnu Narayanan, Assistant Professor, Department of English, Institute of English, Thiruvananthapuram.

The evolution of Dalit literature was explained at the beginning of the session.

Dalit literature emerged in the 1960s in the Marathi language, and it soon appeared in Bangla, Hindi, Kannada, Punjabi, Sindhi, and Tamil languages, through narratives such as poems, short stories, and autobiographies, which stood out due to their stark portrayal of reality and the Dalit political scene. Dalit literature is a body of texts produced by writers whose caste background used to be referred to as “Untouchable” or “scheduled caste”, and whose writing engages with caste, caste discrimination. In the second part of the session the resource person explained how Dalit literature is a representation of Dalit reality and also the prominent Dalit works. The primary aim of Dalit Literature is the liberation of Dalits.

Students actively interacted with the resource person and learned how to make their academic papers on Dalit Literature efficient. The 88 participants of the session were able to realize that the true motive of Dalit Studies is the liberation of the Dalits.



The poster is green and white. At the top left is the Mar Thoma College logo. The text reads: "Mar Thoma College for Women Perumbavoor English Association presents Invited Lecture Series Lecture Number : 3". The main title is "Dalit Literature : An Introduction". Below it is a photo of Mr. Vishnu Narayanan, Assistant Professor at the Institute of English and Director of the Centre for English Language Teaching at the University of Kerala. A calendar icon shows "14" in "14 MARCH" at "10:30 a. m.". The location is "P. G. Seminar Hall".



## Seminar On Imagining Justice in Postcolonial Indian Literature

A national webinar on the topic “Imagining Justice in postcolonial Indian Literature” was conducted on 15 February 2021 by the English Association in association with IQAC. The resource person for the day was Dr. Reju George Mathew, Assistant Professor, National Institute of Calicut, Kerala.

Students understood about colonialism and its past and present effects, both at the local level of ex-colonial societies and at the level of more general global developments thought to be the after-effects of empire. The total number of participants of the programme was 78.

## Webinar On Coming Out and Leaving the Closet Behind

The English association in association with the IQAC of the college conducted a national webinar on the topic “Coming out and leaving the closet behind: Dismantling gender in the times of social polarization” on 2 February 2021. The resource person for the programme was Ms. Urvi Sharma, Assistant Professor, PG Department of English, Mehr Chand Mahajan College for Women, Chandigarh.

The resource person explained the oppressive nature of patriarchy and the gender binary present in society. Gender is understood to be the socially constructed set of behaviors and presentations aligned to two sexes: male and female. To truly eliminate the influence of one of the most pervasive psychic phenomena from our society would require a popular mass movement mobilizing and educating large swaths of society.

The webinar focused on providing the students with an idea about how one could go about dismantling gender.

Mar Thoma College for Women, Perumbavoor  
Ernakulam Dist., Kerala-683542  
**Department of English**  
The Research Forum

NATIONAL WEBINAR SERIES: LECTURE- 3

**COMING OUT AND LEAVING THE CLOSET BEHIND:  
DISMANTLING GENDER IN THE TIMES OF SOCIAL  
POLARISATION**



Time: 10:30 A. M.  
Date: 02/02/2021  
Platform: 

**RESOURCE PERSON**  
**Ms. Urvi Sharma**  
Assistant Professor  
PG Department of English  
Mehr Chand Mahajan DAV College for Women  
Chandigarh

FOR FURTHER DETAILS, CONTACT:  
HOD- Ms. CHAITHANYA ELSA ACHANKUNJU  
+91 9567062075  
Faculty Convenor- Ms. PREETHI SARA JOSEPH  
+91 9495335860  
Student Convenor- Ms. AMAL SALEEM  
+91 7593014570

**E-Certificates will be provided  
for Participants**

## Workshop on NTA-NET

The English Association in association with the IQAC conducted a Workshop on how to crack NET and the preparatory steps to be taken to tackle the exam while pursuing the undergraduate programme. Ms. Maria John Paul, an alumna of the Dept. of English served as the Resource Person. Currently, she serves as Guest Lecturer, Research Centre and PG Department of English, Sacred Heart College, Thevara.

UGC NET or NTA-UGC-NET is the examination for determining the eligibility for the post of assistant professor or Junior Research Fellowship award in Indian universities and colleges. The examination is conducted by the National Testing Agency on behalf of the University Grants Commission. The NET exam introduced in the year of 1989 is regarded as one of the hardest exams to clear. Candidates who have secured at least 55% marks (without rounding off) in

Master's Degree or equivalent examination from universities or institutions recognised by UGC in Humanities (including languages) and Social Science, Computer Science & Applications, Electronic Science etc. are eligible for this test.

The participants of the Workshop were able to get a clear vision about the examination and were motivated to qualify the test in the future. The Resource Person interacted with the participants, clearing their doubts and orienting them in the right direction.





## Webinar on Independence, Then and Now

The English Association in association with IQAC conducted a webinar on “Independence –Then and Now” with Mr. Renjith Kumar A.P, Assistant Professor, P.G. Dept. Of History, Government College, Perambra as the resource person. The webinar was conducted as part of *Azadi Ki Amrit Mahotsav*, an initiative of the central government. The speaker briefed on different aspects of the term “independence” before and after 1947.

“Whichever country you are born in, we call a country as motherland and we cannot point fingers at it.” The webinar focused on the development of India as a nation after achieving independence. In its 75 years of independence, India has several achievements to its credit. It has built a modern economy (second fastest growing economy), remained a democracy, lifted millions out of poverty, has become a space and nuclear power and developed a robust foreign policy.



# IQAC & DEPARTMENT OF HISTORY

## Seminar On Relevance of Human Rights in Contemporary Indian Society

History Association in association with IQAC observed Human Rights Day on 10 December 2021. The session was inaugurated by Shri. N.K. Premachandran, MP, Lok Sabha. He also delivered a lecture on the topic 'Relevance of Human Rights in Contemporary Indian Society'. The students of the department made an exhibition of collagethereafter.

## National Workshop on Pre-Historic Cultures and Paleo Environment of Kerala

A national workshop on "Pre-Historic Cultures and Paleo-Environment of Kerala" was organised by History Association in association with IQAC on 15 December 2021. Dr. P. Rajendran, Former Research Scientist, UGC, served as the resource person. The session proved to be very useful for the students as they were given an in-depth idea of Kerala history.

## Seminar on Women's Safety and Legal Rights

A Women's Day Seminar on the topic "Women Safety and Legal Rights" was organized by the History Association and IQAC in collaboration with Kerala Legal Service Authority, Kunnathunadu Union on March 8, 2022. The chief speakers of the seminars were Adv. Shenly Sebastian, Bar Association, Perumbavoor, and Smt. Sheeba Baby, Vice-Chairperson, Perumbavoor, Municipality. The seminar focused on understanding the protection offered by law for women.

# IQAC & DEPARTMENT OF COMMERCE

## Workshop On Capital Market

On 11 August 2021, Series I of BSE-IPF Capital Market Awareness Training Programme was conducted by Department of Commerce in association with IQAC. The programme was led by Mr. Venugopal Rayiratg, Senior Associate, LKW.

## Webinar on Ambivalence in Crypto Market

On 17 December 2021, Department of Commerce in association with IQAC organized a webinar on the topic "Ambivalence in Crypto Market". Dr. Biju A. V, Assistant Professor, University of Kerala led the webinar.

## Workshop on Budget Analysis 2022

Department of Commerce in association with IQAC, organised a session on "Budget Analysis 2022" on 16 February 2022. Dr K. J Joseph, Professor & Director, Gulati Institute of Finance and Taxation provided the students the which deep insight regarding the Union Budget 2022-23.

## Seminar on Introduction to Securities Market and Depository System

Department of Commerce in association with IQAC organized a session on "Introduction to SecuritiesMarket and Depository System" on 26 February 2022. CMA C.S. Madhusudharan E.P., Co-founder of SEP & Associates, served as the resource person.

## Webinar on Gateway to Financial Freedom

Department of Commerce in association with IQAC organized a webinar on "Gateway to Financial Freedom" on 16 March 2022. Mr. Rajanikanth C. S (Corporate trainer & Motivational speaker) led the session.

# IQAC & DEPARTMENT OF ZOOLOGY

## Webinar on Research Methodology: an Overview

In collaboration with the Department of Zoology of Newman College, Thodupuzha, the Department of Zoology and IQAC organised a talk on 31 August 2022 on the topic "Research Methodology: an overview". It focused mainly on the programme specific outcomes for undergraduate students.

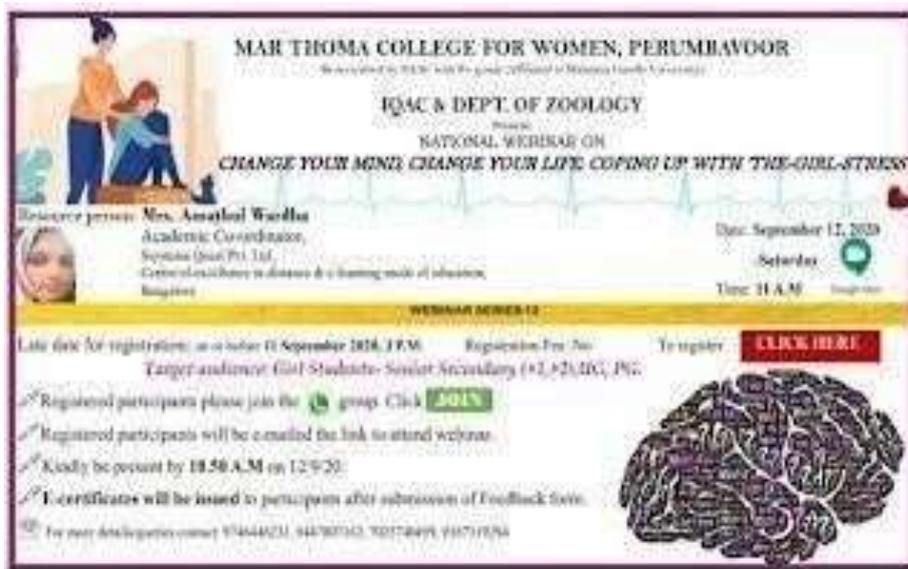
## Seminar on Research Ethics

Department of Zoology in association with IQAC organized a research orientation session titled "Research Ethics" exclusively for the final year B.Sc. Zoology students on 19 June, 2021. 17 students participated in the programme. Mrs. Sunu N.V., Teacher-in-charge, M.Sc. Zoology, Mar Thoma College for Women, Perumbavoor handled the session.

The sessions focused on developing a research aptitude among students.

## National Webinar on Change your Mind, Change your Life: Coping Girl Stress

A National Webinar on "Change your Mind, Change your Life: Coping Girl Stress" was organized by the Department of Zoology in association with IQAC on 12 September 2020. There were more than 270 registrations for the program from 46 different institutions. Housewives, students and teachers both school and college level benefitted from the session. Mrs. Amathul Wardha, Academic Administrator, System Quest Pvt. Ltd. Distance Education Center, Bangalore served as the resource person.



**MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR**  
Approved by UGC as the grade 'C' College of Mar Thoma Family University

**IQAC & DEPT. OF ZOOLOGY**  
Present

**NATIONAL WEBINAR ON  
CHANGE YOUR MIND, CHANGE YOUR LIFE, COPING UP WITH THE GIRL STRESS**

Resource person: **Mrs. Amathul Wardha**  
Academic Co-ordinator,  
System Quest Pvt. Ltd.  
Central Institute in Distance & e-Learning mode of education,  
Bangalore

Date: September 12, 2020  
Saturday  
Time: 11 A.M

**WEBINAR DETAILS**

Last date for registration: on or before 11 September 2020, 11 P.M. Registration Fee: Nil To register: [CLICK HERE](#)

Target audience: BSc Students- Senior Secondary (+2, +2A, DG, PG)

- ✓ Registered participants please join the [WhatsApp](#) group. Click [HERE](#)
- ✓ Registered participants will be e-mailed the link to attend webinar.
- ✓ Kindly be present by 10.50 A.M on 12/9/20.
- ✓ Certificates will be issued to participants after submission of Feedback form.

For more details please contact 944444231, 944700730, 90272494, 910711294



## National Webinar on Know Your Worth: Unpaid Labour- The Indian Scenario

Department of Zoology in association with IQAC organized a National webinar on the 19 September 2020 on Know Your Worth: Unpaid Labour- The Indian Scenario. 165 participants from different states registered for the programme. . The session was led by Mrs. Sreeja Gopal, Assistant Professor, Department of Economics, NSS College, Ottapalam.

**MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR, KERALA**  
 (is accredited by NAAC with B+ grade (Affiliated to Mahatma Gandhi University))

**IQAC & DEPARTMENT OF ZOOLOGY**  
 presents National Webinar on

**"Know your worth : Unpaid labor-the Indian scenario"**

**Target audience: Students, Parents, Women**

**Late date for registration: 18 September 2020**

- Registered participants will be e-mailed the link to attend webinar.
- Kindly be present by 10.40 A.M on 19/9/20.
- E-certificates will be issued\*

For more details/queries contact: 9746446231, 7625740499

**REGISTER HERE**

**Resource person:**  
 Mrs. Sreeja Gopal  
 Assistant Professor  
 Dept. of Economics  
 NSS College, Ottapalam

**Date: September 19, 2020**  
 -Saturday  
 Time: 11 A.M

## Webinar on Mangrove Conservation

A state funded webinar on Mangrove Conservation was organized by the Department of Zoology and IQAC in collaboration with the Social Forestry wing of Kerala Forests and Wildlife on October 3, 2021 at 10 a.m. via Google meet. Dr. Jain Therattil served as the resource person.



## Vidyavanam Project

Department of Zoology and IQAC in collaboration with the Social Forestry wing of the Department of Kerala Forests and Wildlife launched a *Vidyavanam* in the College for the benefit of students. The program was inaugurated by the Municipal Chairman Mr. Zakir Hissain, in the presence of the DFO, Ernakulam, Ward Councilor and Principal on July 1, 2021. The initiative helped in increasing the green cover of the campus and facilitated student centric learning specially in connection with Botany.



## Webinar on Earth's Music for Us

A state funded webinar entitled "Earth's music for us" was arranged by the Department of Zoology, IQAC and College Union in collaboration with the Social Forestry wing on Oct 5, 2021 at 6pm. Dr. Dileep K.G. served as the resource person.



## Distribution of Seeded Paper Pens

As a part of creating environmental consciousness, the department of Zoology, handed over a box of 250 seeded paper pens to the Principal Dr. Sujo Mary Varghese on 9 July 2021 at 1pm. As the pens were bought from a physically challenged individual who makes his livelihood from the sale of these pens, this responsible act of love by the department of Zoology served 2 purposes-

1. An add-on to the Green campus initiative of the College.
2. An act of service to the needy

This act has reduced the usage and disposal of plastic pens in the office and departments and thereby helped to adhere to the green campus initiative of the college.



## IQAC & DEPARTMENT OF PHYSICS

### Refresher Course on Recent Advances in Physics

A refresher course on Recent Advances in Physics was organized by Department of Physics and IQAC, Mar Thoma College for Women, Perumbavoor in association with STRIDE(UGC-MHRD), Mahatma Gandhi University, Kottayam, Kerala from 10 July to 24 July 2021 for faculty members. This was the first refresher course which STRIDE MG University organised in association with an affiliated college. The programme was inaugurated by Dr. V. Shivadasan M.P. Rajya Sabha and was presided over by Prof. Dr. Sabu Thomas, STRIDE Chairman & Vice Chancellor, MG University. The resource persons of this programme were experts from reputed institutions from India and from abroad.

## Energy Awareness Campaign

Department of Physics and IQAC conducted Energy Awareness Campaign as part of 'Energy Conservation Day 2021' in association with Energy Management Centre, Kerala as part of Azadi Ka Amrit Maholsav. The programme was conducted in offline mode on 10 December 2021. The awareness programme was inaugurated by the honorable M.L.A. of Perumbavoor, Adv. Eldhose Kunnappilly. Er. Antony M. T. (Retd. Engineer, KSEB and Principal, Social Welfare ITI, Aluva) were the resource person for two sessions.

## Webinars on Mangalyaan and History of Space Mission

In association with Breakthrough Science Society, Ernakulam Chapter two webinars were organized by Department of Physics and IQAC, on the topics- Talk on Mangalyaan and History of Space Mission. Mr. Sajeew Kumar P.P, BPCL, Cochin Refinery and Mr. Harikumar K.S., Dy. Manager (Fire and Safety), FACT(Rtd) served as the resource persons respectively. An online space quiz was also conducted.



## NATIONAL SCIENCE DAY

Department of Physics and IQAC, Mar Thoma College for Women, Perumbavoor, celebrated the National Science Day 2022 by organizing activities like competition and presentation with the support of Academy of Physics Teachers (APT), Kerala. An intercollegiate Power point presentation competition on 'Integrated Approach in Science and Technology for Sustainable Future' was also conducted.

## IQAC & DEPARTMENT OF MATHEMATICS

### Webinar on Data Science: Field of Mathematics

As part of the National Mathematics Day celebrations, the Department of Mathematics organized a Webinar, 'Data Science: Field of Mathematics' on 18 December 2021. The webinar was organized in collaboration with Kerala Mathematical Association (KMA). The resource person for the webinar was Dr. Sumitra S, Associate Professor, Indian Institute of Space Science and Technology, Trivandrum. The Webinar mainly focused on the applications of linear algebra in machine learning. During the Webinar, Dr. Sumitra S. mentioned that machine learning algorithms are based on the concepts of mathematics and also, with the help of mathematics, it is possible to choose the correct algorithm by considering complexity, time, and other features. Linear algebra has a vital role in machine learning, enabling Machine Learning algorithms to run on a vast number of datasets. The webinar concluded by discussing a few on-going research areas in machine learning followed by a question answer session. The Webinar was fruitful and helped the participants understand the use of linear algebra concepts in developing algorithms in machine learning.



**MAR THOMA COLLEGE FOR WOMEN  
PERUMBAVOOR**  
BR-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/9JHSUF2dKXCAd5>

**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:**  
9847289731  
9947142835

## Seminar on Some Interesting Stories from Mathematics

Department of Mathematics in association with IQAC organized a seminar on 'Some Interesting Stories from Mathematics' on 1 April 2022 at 09.30 a.m. in the College Auditorium. Dr. Ambat Vijayakumar, Emeritus Professor, Department of Mathematics, CUSAT served as the resource person of the seminar. There were 78 participants for the seminar. The seminar helped to develop an interest in Mathematics and the ability to communicate Mathematical ideas with precision. During the Seminar Ambat Vijayakumar explained the application of linear algebra, modelling etc. in the medical sector and other areas also.

## IIC and IQAC : Seminar on Innovations in Solar Power

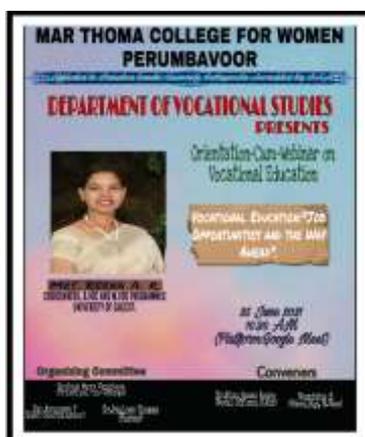
An expert talk has been arranged Institution's Innovation Council and IQAC on 'Innovations in Solar Power-Sun Powers Cochin Airport' on 12 January 2022 and the resource person was Mr. Rajumon P.C., DGM, Cochin International Airport Ltd.



## IQAC & DEPARTMENT OF VOCATIONAL STUDIES

### Orientation Webinar on Vocational Education: Job Opportunities and Way Ahead

Department of Vocational Studies in association with IQAC organised Orientation cum Webinar on Vocational Education: Job Opportunities and Way Ahead on 25 June 2021. Ms. Reena A.R., Coordinator, Vocational Programmes, University of Calicut served as the resource person.



## Orientation Webinar on Express Yourself

Department of Vocational Studies in association with IQAC organised Orientation cum Webinar on Express Yourself on 25 June 2021. Ms. Vidya Conceicao, Corporate Trainer led the session.

**MAR THOMA COLLEGE FOR WOMEN  
PERUMBAVOOR**  
*(Affiliated to Mar Thoma Syrian University, Kollam/Accredited By NAAC)*

**DEPARTMENT OF VOCATIONAL STUDIES  
PRESENTS**

**Orientation-cum-Webinar**

**"Express yourself"**

*25 June 2021  
2.30 P.M.  
(Platform: Google Meet)*

**Organizing Committee**  
Dr. Suja Mary Varghese  
(Principal in Charge)

**Conveners**  
Dr. Annapurna P.  
(IQAC Coordinator)

Dr. Paulose Thomas  
(Bursar)

Dr. Mini Susan Kishy  
(Head Officer, B.Voc)

Namirtha S.  
(Faculty, B.Voc)

**Vidhya Conceicao  
Corporate Trainer**

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