

MAR THOMA COLLEGE FOR WOMEN PERUMBAVOOR



3.2.1 INSTITUTION HAS CREATED AN ECOSYSTEM
FOR INNOVATIONS AND HAS TAKEN
INITIATIVES FOR CREATION AND TRANSFER OF
KNOWLEDGE

2017 -2022

3.2.1. Institution has created an ecosystem for innovations, Indian Knowledge System (IKS),including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Mar Thoma College for Women has established an ecosystem for innovations and the Indian Knowledge System (IKS), which includes various initiatives and activities to promote creativity, knowledge transfer, and technology development among its students. The institution has been actively involved in the Young Innovators Programme (YIP) of Kerala Development and Innovation Strategic Council (K-DISC), Govt. of Kerala. The YIP is a specially designed program of K-DISC, aimed at empowering future innovators to come up with new products, services, or models to address societal needs effectively.

Several student teams from the institution are participating in the Young Innovators Programme (YIP) from 2019 onwards. Out of the three teams who participated in YIP 2019, one team was selected as one of the winners in the state level competition. For YIP 2020 three teams and for YIP 2021 one team, underwent the second-level (District level) evaluation of the program, indicating their dedication and competence in the field of innovation. Additionally, they attended training programs on Introduction to Design Thinking and Pitch Deck Preparation conducted by YIP, K-DISC.

Apart from the YIP, the institution also conducted various workshops, training programs, and sessions related to entrepreneurship and intellectual property rights (IPR). These activities have been organized in collaboration with the Kerala Development and Innovation Strategic Council (K-DISC), ICT Academy of Kerala, and other expert

individuals. Such activities focus on enhancing the entrepreneurial skills of students and creating awareness about IPR, which is crucial for protecting innovative ideas.

The institution's commitment to fostering innovation is evident from its participation in various MIC (Ministry of Education's Innovation Cell) driven activities through Institution's Innovation Council (IIC) established in our college in the year 2021. The activities include webinars, contests, workshops, lectures, and training programs on research, innovation, and ranking. Moreover, the institution has a group of Innovation Ambassadors who have undergone training programs conducted by MoE's Innovation Cell.

Furthermore, the institution has successfully arranged numerous sessions, workshops, and talks on different aspects of entrepreneurship, technology transfer, commercialization, and start-up development. These events were aimed at nurturing entrepreneurial spirit among the students and faculty members. The involvement of successful entrepreneurs and start-up founders as resource persons further strengthens the innovation ecosystem within the institution.

The institution's faculty members have actively participated in regional meets, workshops, and training programs related to innovation and entrepreneurship. Their involvement in poster presentations, Impact Lecture Sessions, and Innovation Ambassador Training at the advanced level showcases the institution's commitment to promoting a culture of innovation and knowledge exchange.

In summary, the institution has established a vibrant ecosystem for innovations and the Indian Knowledge System (IKS). Through its participation in various innovation programs, training workshops, and sessions, it has empowered students and faculty members to ideate, innovate, and pursue entrepreneurial ventures. The active engagement in regional meets and the mentor-mentee scheme further contribute to the creation and transfer of

knowledge and technology within the institution. The outcomes of these initiatives are evident through the innovative projects and start-up ideas generated by students and faculty members.

Outcomes

1. Young Innovators Programme (YIP) Participation-State level Winner: Out of the three teams who participated in YIP 2019, one team was selected as one of the winners in the state level competition. The selected project proposal was 'AI Based Brain Signal Interpreter' by our students Jinu John, Varsha M Vijay, Arya Sivan, Niya Merrin Mathew and Arsha S Kumar.
2. District Level Competition Selection: For YIP 2020 three teams underwent the second-level (District level) evaluation of the program, indicating their dedication and competence in the field of innovation. One of the teams representing the college in the Young Innovators Programme (YIP) 2021 advanced to the District Level Competition, showcasing the institution's excellence in promoting innovative ideas and projects.
3. Training on Introduction to Design Thinking and Pitch Deck Preparation: Students from the college attended the training program conducted by YIP, K-DISC, which focused on developing skills in design thinking and pitch deck preparation. This training would have equipped the participants with essential tools for ideation and presentation of innovative ideas.
4. Seven Teams in Young Innovators Programme 2021: Mar Thoma College for Women continued its engagement in the Young Innovators Programme (YIP) in 2021 with seven teams comprising a total of 32 students from the Departments of Physics, Chemistry, and Zoology. This ongoing participation demonstrates the institution's sustained efforts to foster a culture of innovation and creativity among students.

5. Participation in 'Smart India Hackathon 2022': Seven teams are selected for participation in 'Smart India Hackathon 2022' from an internal hackathon conducted at college level.
6. Orientation Sessions on National Innovation and Startup Policy (NISP) and National Education Policy (NEP): The college organized orientation sessions to familiarize students with the National Innovation and Startup Policy and the National Education Policy. These sessions aimed to create awareness and inspire students to contribute to the innovation ecosystem.
7. Virtual Entrepreneurship Development Training: A two-day Virtual Entrepreneurship Development Training program was conducted in association with ICT Academy of Kerala, where 53 students received practical knowledge and skills related to entrepreneurship.
8. Innovation Ambassadors: Nine members of the Innovation Cell (IIC) from the college successfully completed the one-month Innovation Ambassador Training Program conducted by MoE's Innovation Cell during June 2021. This training would have equipped them to act as catalysts for innovation and entrepreneurship within the institution.
9. Entrepreneurship and IPR Workshops: The college organized various workshops, talks, and sessions on entrepreneurship, innovation prototype validation, intellectual property rights (IPR), and other related topics. These workshops aimed to educate students about the importance of protecting their ideas and fostering an entrepreneurial mindset.
10. Impact Lecture Session: The institution conducted Impact Lecture Sessions sanctioned by MoE's Innovation Cell with resource persons from reputed institutions,

providing insights into innovation, startups, entrepreneurship, and related subjects. These sessions aimed to inspire and educate students about the journey from innovation to entrepreneurship.

11. Mentor-Mentee Scheme Participation: Mar Thoma College for Women actively participated in the Mentor-Mentee scheme of MoE's Innovation Cell, as part of IIC 4.0. Under this scheme, our mentor, St. Xavier's College, Aluva, guided the students and teachers of our college through webinars and workshops. This engagement provided opportunities for exposure, learning, and collaboration in the field of innovation and entrepreneurship.

Overall, the programs conducted by Mar Thoma College for Women have led to increased participation in innovation-related activities, improved awareness about intellectual property rights, and enhanced entrepreneurial skills among students. These outcomes signify the institution's dedication to fostering an innovation-driven environment and preparing students for the challenges of the modern world.



Team leader of winning team of YIP 2019 with Hon'ble Chief Minister of Kerala, on Kerala Innovation 23 January 2020.



Certificate of State level winner - YIP 2019



Certificate and confirmation letter of District level competitions of YIP 2020 and YIP 2021



IIC Star Rating Certificate, 3 Star for the year 2020-21



IIC Star Rating Certificate, 3.5 Star for the year 2021-22

MAR THOMA COLLEGE FOR WOMEN
 PERUMBAVOOR, KERALA - 683542
 (Affiliated to M.G University & Re-accredited by NAAC with B+)

MINISTRY OF EDUCATION'S INNOVATION CELL
 AICTE
 INSTITUTION'S INNOVATION COUNCIL

IMPACT LECTURE SESSIONS

Sponsored by - MoE's Innovation Cell (MIC), AICTE, New Delhi

25 June 2022 Google Meet

Session 1

Lecture I
INNOVATION, STARTUPS AND ENTREPRENEURSHIP 11:30 AM TO 1:00 PM

Ms. SONIA JOHN MARKOSE
 Assistant Professor, Innovation Ambassador & SMC
 St. Xavier's College for Women Aluva.

Lecture II
INNOVATION TO ENTREPRENEURSHIP JOURNEY 5:00 PM TO 6:30 PM

Mr. AJAY BASIL VARGHESE
 Assistant Professor & Nodal Officer TBI & IEDC,
 Adi Shankara Institute of Engineering and Technology (ASIET), Kalady.

[Click Here To Register](#)

Principal: Dr. Sujo Mary Varghese
 Program Coordinator: Dr. Melvi Chandy
 IIC MTCW President: Dr. Rajani Jacob

6/25/22, 11:49 AM Meet – Impact Lecture Series

REC Sonia John Markose SXC is presenting



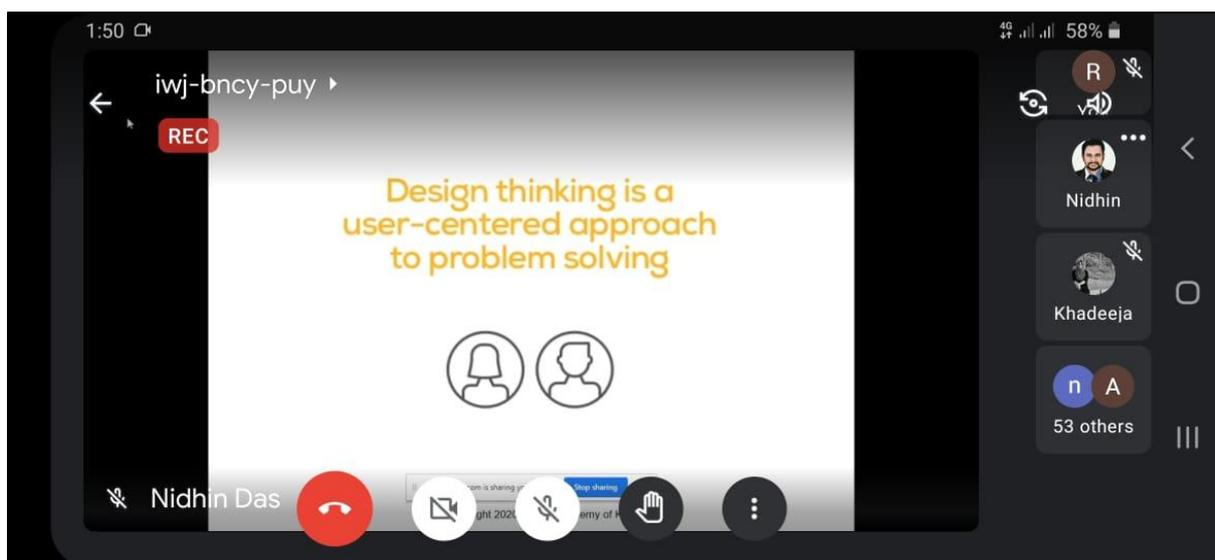
Participants:

- Sonia John Ma...
- agnes lilly
- Nisa Nazar
- Sona Sibi
- Sneha Bhan...
- 162 others

Brochure and Screenshot of Impact Lecture Session on 25 June 2022



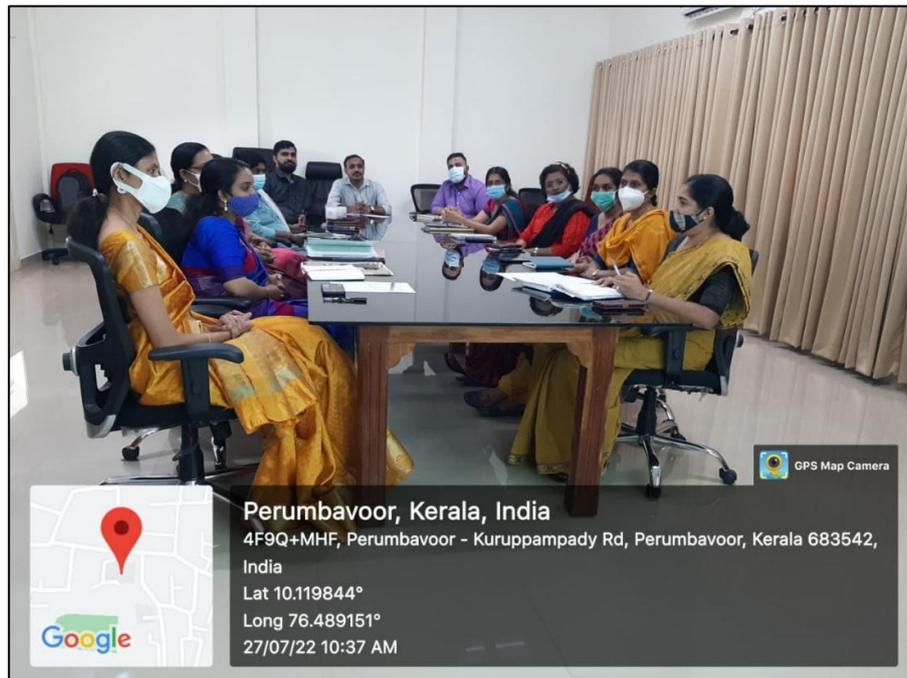
Innovation Ambassador Certificate



Virtual Entrepreneurship Development Training, 1 & 2 March 2021



Poster Presentation on IIC Regional Meet, 06/08/2022



Progress Monitoring Meeting under Mentor-Mentee Scheme


INSTITUTION'S INNOVATION COUNCIL
(Member of IITB Institutions)


MAR THOMA COLLEGE FOR WOMEN
Perambavoor, Ernakulam, Kerala. Affiliated to MG University & Accredited 'B+' by NAAC


INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE

Institution's Innovation Council(IIC) & Innovation and Entrepreneurship Development Centre(IEDC) Organizes

Expert talk on
Process of Innovation Development and Technology Readiness Level (TRL) and Commercialization of Lab Technologies & Tech - Transfer

Guest Speaker

Ms. AISHWARYA LAKSHMI
 Technology Fellow
 IEDC, Kerala Startup Mission


17 Feb 2022
6.30 PM

Student Co-ordinators:
 Shahanas T S
 Nasooha Jalal

19:21 📶 🔋 71

← suz-abdr-mmn ▶ 🔄 🔊

Nadhiya ⋮ 🔇
 Dr. Rajani ⋮ 🔇

Aishwarya ⋮ 🔇
 Najiya ⋮ 🔊

Sree ⋮ 🔇
 Durga ⋮ 🔇

You ⋮ 🔇
 Krish 38 others ⋮ 🔇

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Brochure and Screenshot - Expert Talk on TRL on 17 February 2022



MAR THOMA COLLEGE FOR WOMEN

PERUMBAVOOR, ERNAKULAM DISTRICT, KERALA 683542
Re- Accredited with "B+ Grade" by NAAC , Affiliated to MG University

Institution's Innovation Council (IIC)

In association with

Innovation and Entrepreneurship Development Centre (IEDC)

PRESENTS

Orientation Session on National Innovation and Start up Policy (NISIP)

RESOURCE PERSON

Mr. Tom Anto

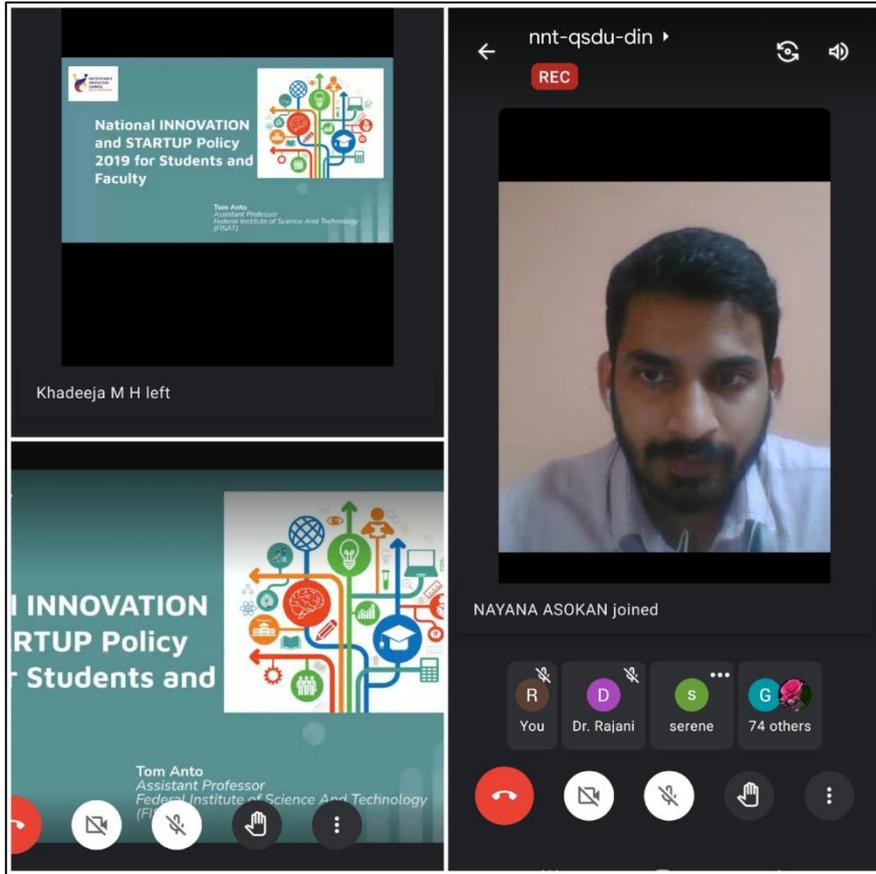


Assistant Professor
Department of Mechanical Engineering
Federal Institute of Science and
Technology (FISAT)

Date: 02.02.2021 | Time :1.30 pm | Platform : Google Meet

Organizing Committee:

Dr. Gigi George, Principal in Charge
Dr. Paulose Thomas, Nodal Officer, IEDC MTCW
Dr. Rajani Jacob, President, IIC MTCW
Ms. Serene Anna Sam, Convenor, IIC MTCW



Brochure and Screenshot of Orientation Session on NISP , 02-02-2021

Student entrepreneur Ms. Madumitha Santhosh led a motivational session explaining her success story.

IIC and IEDC
in association with
EBSB, NSS & WOMEN'S CELL
Organise
"MY STORY"
**INNOVATIVE ART OF WASTE
MANAGEMENT**
A Motivational Session by
A Successful Innovator


MS. MADHUMITA SANTHOSH P.
*III B.Voc. (Fashion
Technology & Management)*
Mar Thoma College for
Women, Perumbavoor

Date: 13/01/2022
Time: 1:30 pm

VENUE: P.G. SEMINAR HALL

Student Coordinators:
Annmary Thomas
E K Krishnapriya



Entrepreneurship Day Talk

As part of Entrepreneurship Day Celebration-2022 a workshop has been arranged to our students on making custom gifts, on 29-08-2022. Resource Person: Ms. Fidha Afrin, Alumna of Department of English.

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD initiative)

MAR THOMA COLLEGE FOR WOMEN Perumbavoor, Ernakulam, Kerala. Affiliated to MG University & Accredited "B+" by NAAC

75 Azadi Ka Amrit Mahots

INSTITUTION'S INNOVATION COUNCIL in association with IQAC and DEPARTMENT OF ENGLISH organise

MEET THE STUDENT ENTREPRENEUR

Workshop on Making Trending Custom Gifts

Ms. Fidha Afrin A.S.
Alumna of Department of English (2019-2022 batch)
Mar Thoma College for Women, Perumbavoor

Date: 29/08/2022
Time: 08:00 P. M.

Fidha is presenting

Fidha Swathyla... You Abhis 66 others

Student Coordinator
E.K. Krishna Priya

Atal Ranking of Institutions on Innovation Achievements

The ARIIA is a national ranking system initiated by the Ministry of Education in 2018 to rank higher education institutions (HEIs) on different indicators of innovation. As per the Ministry, 'The idea behind ARIIA ranking is to inspire Indian institutions to reorient their mindset and build ecosystems to encourage high-quality research, innovation and entrepreneurship.' Mar Thoma College for Women, Perumbavoor participated in ARIIA ranking and achieved the ranking of 'Band Performer under General Non Technical category' in 2021.



Entrepreneurship Development (ED) Club

Under the Initiative of ED Club, an interactive session was organised on 28th January 2021 with Sri Kochouseph Chittilappilly, Founder Chairman of V-Guard Industries. The theme for the session was 'Early Challenges of Nascent Entrepreneurs

MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR
 Re-Accredited by NAAC with B+ Grade, Affiliated to MG University

DEPARTMENT OF COMMERCE
 PRESENTS
 ENTREPRENEURIAL TALK SERIES- CHAPTER 1
 EARLY CHALLENGES OF NASCENT ENTREPRENEURS

Sri. Kochouseph Chittilappilly
 Founder Chairman,
 /- Guard Industries Ltd

**THURSDAY
 JANUARY 28, 2021
 12:30 PM**

CONVENORS:
 Sherin T Abraham (HOD)
 Serene Anna Sam (ED Club Coordinator)
 Fahima Rafeeqe (Student Coordinator)

Register for this meeting using the link:
<https://zoom.us/join/zoom/register/tJUteqtrTopHNJu0KWHzjlgT0hy92PuRNkd>

Made with PosterMyWall.com

Zoom Meeting

serene sam Logic Value Add... Manju Mani

Recording...

Kochouseph

Participants (145)

serene sam (Co-host, me)

Logic Value Added P... (Host)

Logic Value Adde... (Co-host)

Sherin T Abraham (Co-host)

Kochouseph

Aadhya A Manoj

Aardra Tattuz

Abdulrahman Raheem

Aiswarya Roll no2

Ajina mahin

Alka Mary Thomas

Aleena Jose

Aleena ka

Aleena Kochumon

12:53 PM
 28-01-2021

The ED club, in association with **Khadi Gramodyog Vidyalayam**, Nandyattukunnam, organised an exhibition and sale of Khadi products in the college auditorium on 25th February 2022.

MAR THOMA COLLEGE FOR WOMEN
PERUMBAVOOR

DEPARTMENT OF COMMERCE
ENTREPRENEURSHIP DEVELOPMENT CLUB
&
INSTITUTION'S INNOVATION COUNCIL (IIC)
In Association With
Gandhi Smarak Grama Seva Kendram
Organises a
ONE DAY ENTREPRENEURSHIP DEVELOPMENT WORKSHOP

Paper Bag Making
Umbrella Making
Agarbatti Making

DATE : 25/02/2022
TIME : 11 A.M.

Venue : Auditorium

Convenors:
Mrs. SHERIN T ABRAHAM (HOD)
Mrs. SERENE ANNA SAM (ED CLUB COORDINATOR)

Student coordinators:
NIRANJANA B NAIR
MUTHULEKSHMI . S



Students making paper bags

ED Club Activity, Expert Talk on ‘The Organic Way to Health and Happiness: The Journey of a food blogger’ by Ms. V T Kalyani on 10th September 2021

MAR THOMA COLLEGE FOR WOMEN, PERUMBAVOOR
Affiliated to M.G University, Kottayam & Re-accredited by NAAC with B++

ENTREPRENEURSHIP DEVELOPMENT CLUB
DEPARTMENT OF COMMERCE

Presents
The Organic Way to Health and Happiness: The journey of a Food Blogger

FRIDAY
September 10th
2021

11 am

Ms. V.T Kalyani , B.E, MBA
Healthy Food Blogger, Content Writer,
Founder- KitchenKathukutty

Convenors:
Ms. Sherin T Abraham, HoD
Ms.Serene Anna Sam, ED Club Coordinator

VT Kalyani is presenting

The ocean of lifestyle disorders

Diabetes

PCOS

VT Kalyani | www.kitchenkathukutty.com

11:13 AM eye-wyfk-rp

Type here to search

37°C

11:22 AM 10/09/2021

MAR THOMA COLLEGE FOR WOMEN
PERUMBAVOOR, ERNAKULAM DISTRICT, KERALA 683542
Re -accredited with "B+ Grade" by NAAC, Affiliated to M.G. University

Institution's Innovation Council (IIC)

21 August World Entrepreneurs Day
to create awareness about Entrepreneurship

A short video on life of Campus Entrepreneurs

By

Fathima Usman
Alumni
(BCOM TAX)

A short video on 'Life of a Campus Entrepreneur' was created as part of World Entrepreneur's Day. Ms. Fathima Usman, Alumna MTCW shared her journey as a student Entrepreneur.

National Awareness Mission on Intellectual Property Rights 2022

MAR THOMA COLLEGE FOR WOMEN
Perumbavoor, Ernakulam, Kerala - 683 542

The Central Library and The Internal Quality Assurance Cell
in association with
Kerala State Council for Science, Technology and Environment & Patent Office Chennai

Present

NIPAM
NATIONAL IP AWARENESS MISSION

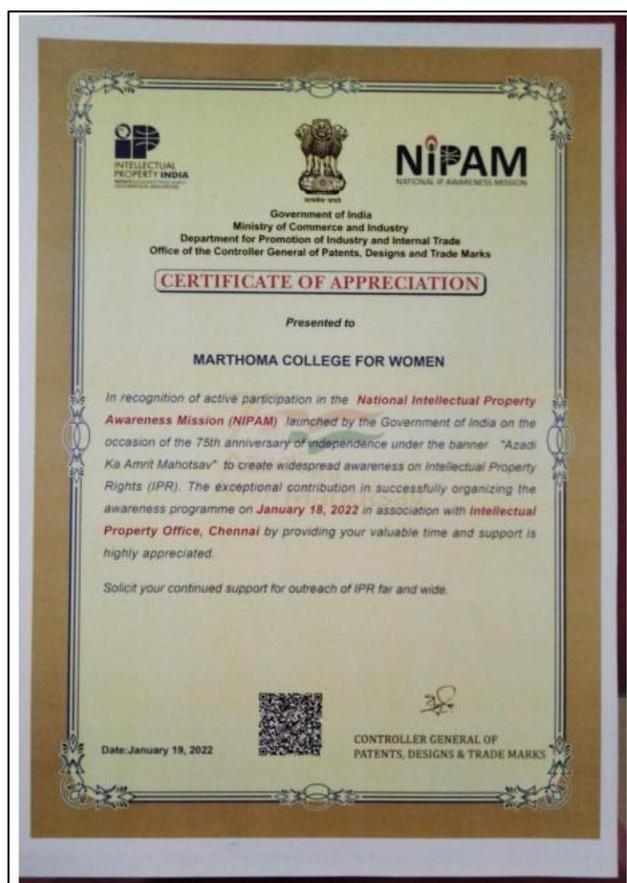
INTELLECTUAL PROPERTY INDIA
GOVERNMENT OF INDIA
75 Azadi Ka Amrit Mahotsav

NATIONAL IP AWARENESS MISSION
ON
"INTELLECTUAL PROPERTY RIGHTS"
Date: 18.01.2022 @ 2:15 p.m.
Platform : Webex

Resource Person: Smt. Lavanya Madduri
Examiner of Patents & Designs and NIPAM Trainer
Intellectual Property Office, Chennai
✉ nipam-chennai@nic.in

Organizing Committee: Dr. Sujo Mary Varghese, Principal in Charge
Dr. Anupama P., I Q A C Co-ordinator
Dr. Minu Susan Koshy, I Q A C Secretary
Ms. Supriya Susan Kurtan, U G C Librarian (Programme co-ordinator)





Session on Intellectual Property Rights

A workshop on Intellectual Property Rights and IP management for start up was arranged online on 24 July 2022. Dr. Rajani Jacob, Innovation Ambassador, Asst. Professor in Physics from Mar Thoma College for Women, Perumbavoor led the session.

INSTITUTION'S INNOVATION COUNCIL
MAR THOMA COLLEGE FOR WOMEN
Perumbacoor, Ernakulam, Kerala,
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INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE

Institution's Innovation Council(IIC)
Organizes
Workshop on Intellectual Property Rights(IPRs) and IP management for start up

24 July 2022
7 pm

Resource Person
Dr Rajani Jacob
Innovation Ambassador
Assistant Professor , Department Of Physics
Mar Thoma College for Women Perumbacoor.

Student Coordinators:
Shahanas T S(III B.Sc Physics)
Aiswarya Ramesh (III B.Sc Physics)

MOE'S INNOVATION CELL
A GOI INITIATIVE- FOSTERING A CULTURE OF PROGRESS

Youngsters need to be in forefront of innovative ecosystem: Prakash Singh

Smart India Hackathon throws up few ideas

Dr. Rajani is presenting

Dr. Rajani
GaYa3
You
AME + 30 others

Vocational Education Training Programme

The students were given training to make LED stars and bulbs under **Vocational Education Training Programme** by the teachers of the Physics department. Also Robotics workshop is conducted to train the students make sensor robots.



Robot made by students

LED Stars



LED Bulbs



“Student Solar Ambassador Workshop” has been organized by the department in association with IIT, Mumbai and Energy Conservation Society as part of Gandhi global yathra. Training on Solar lamp assembling has been given to all the students of our department.

