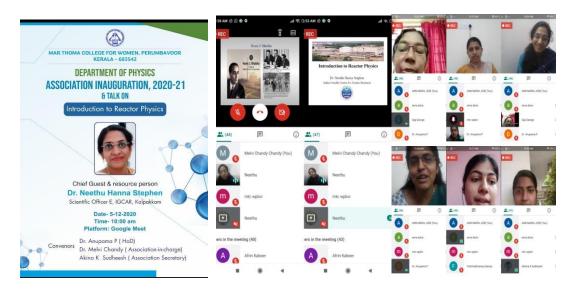
Physics Association Report 2020-2021

Even though due to Covid -19 pandemic offline classes has not been started from June, online educational activities of the Department of Physics have been started on 30 March 2020 using LMS Moodle and Google classrooms.

Physics Association

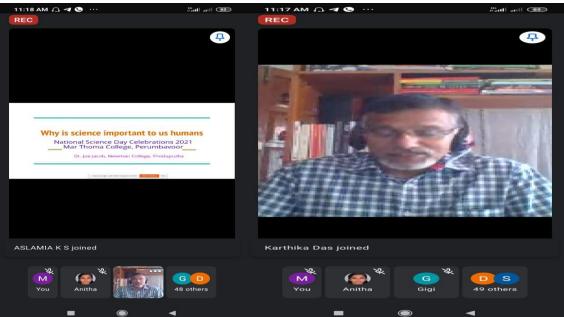
Dr. Melvi Chandy is the association in charge for the academic year 2020-2021. Physics Association inauguration was done by Dr. Neethu Hanna Stephen, Scientific Officer E, IGKAR, Kalpakkam, Tamil Nadu on 05 December 2020 and led a talk on Introduction to Reactor Physics.



Days of Celebration

We celebrated Environment Day, World Space Week, Energy Conservation Day and National Science Day by conducting Webinars and various online competitions.





Webinars Conducted

3 International Webinars:

1. Webinar 1- International webinar

Topic: Materials simulations,

Resource Person: Dr. Binit Lukose, Associate Editor, John Wiley & Sons, Hoboken, NJ, USA

Date & Time: 27 May 2020, 9 am.(IST)



2. Webinar 2- International webinar

Topic: 3 D printing of metallic materials

Resource Person: Prof. Dr. Ing. K. G. Prashanth, Prof. and Head of Additive Manufacturing Laboratory Dept. of Mechanical and Industrial Engineering Tallinn, Estonia

Date & Time: 28 May 2020, 10.00 am.(IST)

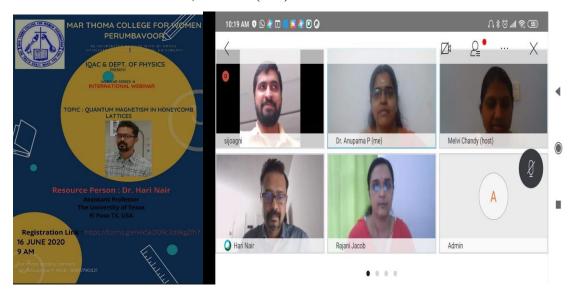


3. Webinar 3- International webinar

Topic: Quantum magnetism in honeycomb lattices

Resource Person: Dr. Hari Nair, Assistant Professor, Department of Physics, University of Texas at El Paso, USA

Date & Time: 16 June 2020, 9.00 am.(IST)



2 Day National Webinar

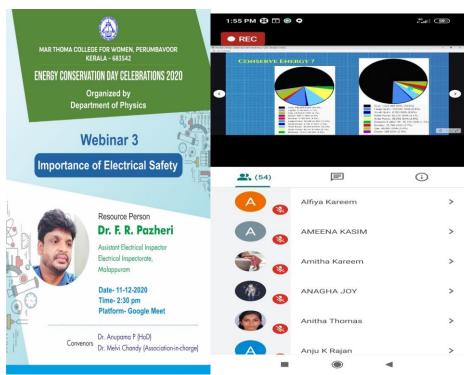
A two day Webinar was conducted in association with Institute for Plasma Research, Gujarat, on 08&09 October 2020, Resource Persons: Dr. Ravi A. Kumar, Scientific Officer-H, IPR, Ms. Chaya Chayda, Scientific Officer, IPR, Gujarat

Other Webinars

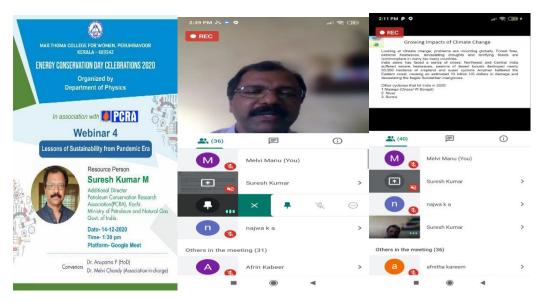
 Webinar on Energy Efficiency in domestic sectors, in association with Energy Management Centre (EMC), Kerala on 03 December 2020, Resource Person: Mr. Ijas M.A, Energy Technologist, EMC.



2. Webinar on importance of Electrical Safety Physics in association with Electrical Inspectorate, Kerala on 11 December 2020, Resource Person: Dr. F.R. Pazheri Assistant Electrical Inspector, Electrical Inspectorate, Malappuram.



 Webinar on Lessons of Sustainability from Pandemic Era- in association with Petroleum Conservation and Research Association, Ministry of Petroleum and Natural Gas, Govt. of India on 14 December 2020, Resource Person: Mr. Suresh Kumar M., Additional Director, PCRA, Kochi.



4. 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'? as part of National Science Day Celebration in association with Academy of Physics Teachers (APT) Kerala.

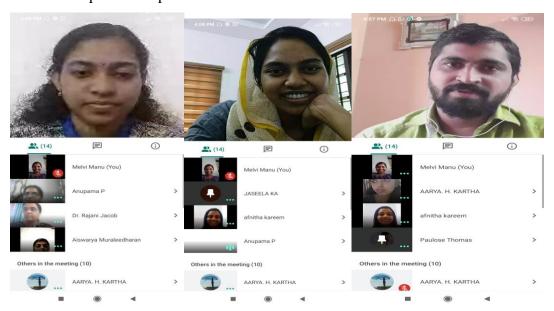
Online competitions conducted

- 1. Ideation- Innovative Idea competition as part of Environment Day Celebrations on 05 June 2020.
- 2. Online Space Quiz as part of World Space Week Celebrations on 12 October 2020.
- 3. Slogan Writing Competition as part of Energy Conservation Day Celebrations on 01 December 2020.
- 4. Poster Design Competition-Energy advice for your home as part of Energy Conservation Day Celebrations on 07 December 2020.
- 5. Presentation Competition as part of Energy Conservation Day Celebrations on 16 December 2020.
- 6. Online Physics Quiz as part of National Science Day Celebrations on 28 February 2021.
- 7. Online Model Making Competition as part of National Science Day Celebrations on 28 February 2021.

Meetings conducted

1. PTA meeting for BSc 2^{nd} year Physics students via WebEx

- 2. **Farewell meeting to Mrs. Jayasree M.J**, who retired on May 2020 by the teachers of Physics department and passing out students of 2020
- 3. **Virtual reunion of Physics students of 2016-19 batch** through Google Meet on 9 August 2020 from 3 pm to 4.30pm



Student Achievements

- Ms. Najwa K.A and Ms. Fasna T. Moosa of 3rd BSc Physics attended Intium series inaugural lecture by Dr. N. Shaji, Adjunt Faculty, CUSAT through online platform WebeX.
- 2. Ms. Anitha Thomas and Ms. Fasna T. Moosa of 3rd BSc Physics completed an online certificate course authorized by University at Buffalo, the State University of New York through Coursera.
- 3. Ms. Fasna T. Moosa of 3rd BSc Physics completed an online certificate course authorized by Kore advanced Institute of Sceice and Technology University through Coursera.