

## Events and Programmes

### ALBEDO QUIZ 2020

The Department of Physics, Mar Athanasius College (Autonomous) Kothamangalam organized a two-hour online quiz ALBEDO 2020 under the DBT-STAR College Scheme to commemorate the first Moon Landing. This was a student initiated event organized by final year BSc Physics students Megha Sharma, Sruthy Sajeevkumar and Robin Xeona. The event was coordinated by Dr. Saritha K Nair, Assistant Professor, Department of Physics.

### WEBINAR

Department of Physics, Mar Athanasius College (Autonomous) Kothamangalam successfully organised “NOBEL LAUREATE LECTURE SERIES.” 1997 Nobel Prize winner in Physics Dr. Willaim D Phillips delivered a lecture on the topic "A new measure: The revolutionary reform of the metric system" on 24th August 2020. The second Lecture was on the topic “Why can’t time run Backwards?” by 2003 Nobel Prize winner in Physics, Prof. Anthony J. Leggett, University of Illinois, USA on 8th October 2020. Faculties and students from various institutions attended the webinar.

Department of Physics also organized three National webinars on “Physics and You” by Prof. C Vijayan, IIT Madras, “Online Resources for Physics Students" by Dr. Saritha K Nair, Assistant Professor, Department of Physics, Mar Athanasius College and “Digital disruption of Education and Preparing for Future Job Skills” by Dr. Jijo P Ulahannan, Assistant Professor, Department of Physics, Government College, Kasaragod in August 2020. Both undergraduate and post-graduate students attended the seminar. There were around 300 participants for the webinar. The webinar was coordinated by Dr. Smitha Thanckachan and Prof. Francis Xavier P. A.

### STUDENT SOLAR AMBASSADOR (SSA) WORKSHOP

To celebrate the commemoration of the 150th Gandhi Jayanti, the Student Solar Ambassador workshop was organized by the Department of Physics on October 2, 2019. The event was in collaboration with IIT Bombay. As part of the workshop, seventy students learned the working of the solar study lamp and the solar panel and then assembled and

operated the lamp. Students took the pledge of nonviolence towards the environment. The aim of the workshop was to pass on the importance of solar energy in controlling global warming.



The activities were led by Prof. Francis Xavier P A, Dr. Saritha K Nair and Prof. Jassi J. The closing ceremony was presided over by Principal Dr. Densely Jose. Dr. Deepa S (HoD), Ms. Anu Avarachan and other teaching and non-teaching staff of the Department of Physics participated throughout the workshop and in the closing ceremony.



The Department conducted a Talent Search Examination (TSE 2019) organized by the Academy of Physics Teachers (APT), Kerala on November 30, 2019. APT-TSE is a state wide competitive examination conducted annually by the APT for the undergraduate Physics students. Eight students attended the examination. Prof. Jassi J coordinated the event.

#### **INDUSTRIAL VISIT TO KUTTIYADI POWER STATION**

The department arranged an industrial visit to Kuttiyadi power station, Kakkayam for II B. Sc. Physics students under the DBT Star College Scheme during December 20-21, 2019.

#### **IAPT NGPE 2020**



The Department conducted the National Graduate Physics Examination (NGPE 2020) organized by the Indian Association of Physics Teachers (IAPT) on January 19, 2020. IAPT

NGPE is a unique examination in India for B.Sc. Physics students conducted annually by the IAPT. Six students attended the examination. Dr. Saritha K Nair coordinated the event.

## SKYWATCH PROGRAM



The Department of Physics arranged Sky Watch on the evening of 28th January 2020 on the terrace of College Library. The resource person of the event was Dr. N. Shaji, Adjunct Faculty, CUSAT. The event was sponsored by DBT-STAR College Scheme. There were around hundred participants in this programme including students and the general public. The participants could watch the Moon, Venus, Orion nebula etc. through a telescope.

#### **HANDS-ON TRAINING ON CRO**



A 'Hands-on Training on CRO & Common Lab Instruments' was conducted by the Department of Physics on 30 January 2020 at M.Sc. Electronics Lab, Department of Physics. The resource person of the event was Prof. Babu P. Kuriakose, Department of Electronics & Communication Engineering, Mar Athanasius College of Engineering, Kothamangalam. The event was sponsored by DBT-STAR College Scheme. 40 students attended this three hour training programme.

#### **SEMINAR ON RESEARCH METHODOLOGY**

A seminar on 'Research Methodology' was conducted on 19 February 2020 at the Library Seminar hall. The seminar was organized by the Department of Physics and sponsored by the DBT-STAR College Scheme. The resource person of the seminar was Dr. Shinoj V. K., Assistant Professor, Department of Physics, Union Christian College, Aluva.



The students were given an introduction to research methodology and the methods that should be followed to properly complete their final year project. Both undergraduate and post-graduate students attended the seminar. There were around 50 participants for the seminar.

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