

Report

NATIONAL SCIENCE DAY - 2018

Department of Electronics

Baselios Paulose II Catholicos College, Piravom

We thank you for supporting us for the celebration of National Science day 2018. We had planned for a one day State Level Seminar for under graduate, post graduate and research scholars. We could also conduct Essay and Painting Competition for School students near Piravom area. The details of the events are as follows.

STATE LEVEL SEMINAR

ON

GREEN TECHNOLOGIES FOR SUSTAINABLE FUTURE

23 FEBRUARY 2018

Inaugural Session: Started at 9:45Am with Principal's remarks. Dr. K P Vijayakumar (Emeritus Professor, Department of Physics, Cochin University of Science and Technology.) briefed about the importance of National Science Day. He discussed about the life history of Sir C.V. Raman and his important findings. He also explained the applications of his findings in our day today life. Around 250 attended the program including UG,PG students and teachers.

I Session

The I session was also handled by Dr. K P Vijayakumar in which he discussed concentrating on the energy for the future. He started the discussion with the different types of Fossil fuels and its issues. He showed the satellite picture showing the extent of damage of glaciers. He then explained about renewable energy sources and their importance. He further claimed that solar energy harvesting is one of the best solutions and he discussed about the issues in the existing technology. An effective, efficient and non expensive alternate materials can be used for solar panels were also discussed. His contributions in this area were found remarkable. He motivated the gathering for taking up a research in finding the best suitable materials for solar panels.

II Session

This session was handled by Mr. Mr. Rajeevan K. Nambiar (HOD, Energy Management Division, Hindustan News print) on the topic "Sustainable Development through Energy modesty". He discussed about the effective and efficient use of energy. He motivated the gathering for using star rated home appliances. He also suggested not to use the home appliances during the peak load time. He reminded us about the need of energy audit and management and introduced us with the different tools used for it.

III Session

The Session was handled by Mr. Baby K I on the topic “A Green Corridor Approach to Development” (HOD, Quality Control and Environment, Hindustan News print). He discussed about how to handle the different types waste and make it useful and environmental friendly. He started his discussion with the fresh water resources and its importance. The need for preserving water was also discussed. The different types of wastes and its disposal were discussed. He detailed on the toxic gases that is emitted during burning of plastics. The effluent treatment plants and the dosing required for neutralising different contaminants in water was discussed. The Need of maintenance of DO, BOD, COD in water is also discussed. Different air polluting agents were also discussed. ESP and other equipments used for monitoring and eliminating air pollutants were also discussed.

Painting and Essay writing Competition

Competitions were held for different schools in the Piravom area. The focal theme for painting Competition was “**Green vision**”. Many entries were received and best 2 were selected as best to give away prizes I- Noel Saju, IX A, St. Paul’s HSS, Veliyanad, Piravom, II- Amritha Hari, VIII, Fatima Central School, Piravom.

The focal theme for Essay Writing Competition was “**Energy Management**”. Many entries were received and best 3 were selected as best to give away prizes I- Jayakrishna J, VII A, St. Paul’s HSS, Veliyanad, Piravom, II- Sarin Elizabeth Sunny, X B, Fatima Central School, Piravom III- Meenakshy Santhosh, VII A, St. Paul’s HSS, Veliyanad, Piravom

