

Report of the Academic Activities for the Year 2019–2020

Event: Unravelling Quantum Mechanics

Date: 21 & 22 August 2019

A two day Lecture Series on “Unravelling Quantum Mechanics” was organized by the Department of Physics (Shift II), D.G. Vaishnav College, Arumbakkam, Chennai 106, on 21st and 22nd August 2019. The Indian Association of Physics Teachers (IAPT) endorsed this program. The Resource Persons of the event were Dr. Govind S. Krishnaswami from Centre for Mathematical Institute (CMI), Chennai, Dr. V. Murugan, Retd. Head & Associate Professor, RKMV College, Mrs. G. Sree Kumari, Mr. C. Joseph Prabhakar, Assistant Professor, Department of Physics, Loyola College, Dr. Harish Kumar, Professor, Department of Physics, IIT, Chennai, Dr. Jayeeta Bhattacharyya, Assistant Professor, Department of Physics, Indian Institute of Technology, Chennai and Dr. N. Yogesh, Assistant Professor, Department of Nuclear Physics, University of Madras. The objective of the program was to inculcate interest in Quantum Mechanics among the students and to improve their skills in problem solving. The program was inaugurated by Principal Dr. S. Ganesan who thanked the invited speakers and advised the students to excel in their academics to pursue research. Altogether, 200 participants including Faculties, Research Scholars, PG students of various colleges from all over Tamil Nadu attended this event.



Industrial Visit: Kaynes Technology, Mysore

Date: 16 November 2019

An industrial visit provides with students an insight into the internal working of companies and an opportunity for a good professional career. With an aim to go beyond academics, an industrial visit provides student a practical perspective on the world of work. The students of our Department had an opportunity to experience the working environment in Kaynes Technology, Mysore, a leading domestic player in the Electronics System & Design Manufacturing Services Space on 16th November 2019. The students were permitted to visit all the Departments in the Industry and interact with the personnel to get a first-hand information of the making and assembling of PCB.



Visit to Birla Planetarium

Date: 5th and 6th October 2019

Students of the Department of Physics (Shift II) visited Birla Planetarium on 5th and 6th October 2019 as part of the World Space Week celebration. Staff and Students viewed the Return Capsule of India's maiden manned mission 'Gaganyaan' around the Earth. The students participated in various competitions. S. Arun Prasath, R. Anirudhan, R. Pradhyumna participated in paper presentation competition conducted by ISRO.



Event: Workshop on Annular Solar Eclipse, a Celestial Approach

Date: 16 November 2019

The Breakthrough Society along with D.G. Vaishnav College conducted a workshop on “Annular Solar Eclipse, a Celestial Approach” on 16th December 2019. The seminar provided an insight into the fundamentals of solar eclipse which was expected to happen on 26.12.2019. The talk included information regarding the previous solar eclipses and methods to view the solar eclipse without affecting the eye. The talk was attended by 150 students including both streams of Science and Arts. The program was graced by The Principal and Dean.



Event: Intercollegiate Competition “Radiate 2020”

Date of Event: 7 March 2020

The Department of Physics organized **RADIATE 2020**, an intercollegiate event, on 7 March 2020. The inaugural address was delivered by Dr. Vijayan, Professor, Department of Physics, IIT-Madras. Many events like Adzap, Debate, Quiz Treasure Hunt, PotPouri, etc., were conducted with representation from more than 12 colleges. The Department, to enhance the writing and reading skills of the students, released the Magazine **ILLUMINATE 2020**, a compilation of the articles by the students along with the M.Sc. Projects. An exhibition of working Science Models was conducted. The prizes were distributed by Dr. N. Yogesh, Assistant Professor, Department of Nuclear Physics, University of Madras, Chennai. A club named **STARSTRUCK** was inaugurated.



Field Visit: Micro Composting Centre and Bio-Mining Work, Pallikaranai Old Dump Site

Date: 13th March 2020

On 13th March, 2020, students of II B.Sc. (Physics with Computer Applications) visited Micro Composting Centre (MCC – also known as Material Recovery Facility) and Bio-Mining work at Pallikaranai old dump site, in partial fulfilment of the requirements for EVS Internal Assessment. The students have realised the necessity of segregating waste which is in turn effectively helps to reduce the pollution to our environment.

