

**Department of Physics
Triple Helix Science club
Report 2023-2024**

VALUE ADDED COURSE-IoT using smart devices

24/07/23 to 28/07/23

Internship in IoT using smart devices was organised by Department of Physics in association with TVS Training & services Company Ltd, Chennai for first year students of B.Sc.Physics. It provided online real-time experience for the students who are aspiring to have their career in IoT. Designed as a complete package, this internship program enabled them to get real-time industry exposure by building and assembling circuits, writing codes and hands-on experience.

RSC-GLOBAL BATTERY EXPERIMENTS

19/07/2023

Triple Helix Science Club - Department of Physics (Aided) in association with IAPT-Indian Association of Physics Teachers has organised a hands-on session, RSC-Global battery experiments. Taking part in global battery experiments conducted by Royal Society of Chemistry, London gave the students the opportunity to explore the science behind batteries – and why they are such an important part of our bright energy future.

Meet your alumni

21/08/2023

The Department of Physics organised MEET YOUR ALUMNI programme in which Mr.M Abhishek, alumnus (2013-2016) of our department addressed the students. Mr Abishek (Ph.D in the laboratory of High Performance Ceramics, Department of Metallurgical and Materials Engineering, IIT Madras, Chennai) shared his real life experience with students, the path he traversed to reach the top national institute in his research career. Students gained information about how to prepare for entrances such as GATE, JAM, JEST and how to manage time.

Guest Lecture-Unlocking career path in Medical Physics

8/09/23

Professor P Aruna, Department of Medical Physics, Anna University, Chennai, the recipient of the prestigious BOYSCAST award from DST in 1998 delivered her lecture titled, Unlocking career path in Medical Physics. The students interacted well and got to know the areas of specialities in medical physics which are widely varied in scope and breadth. The session was loaded with information regarding the numerous opportunities in academia and clinics in Medical Physics & biomedical engineering to provide better diagnosis, treatment of cancer.

Holistic Wellness and Self awareness-Personality Development training

15/09/2023

This training was held to impart values and necessary skills for the development of holistic personality. “ Know yourself, Know your country and Know your Culture” was the theme around which the training was based on. Our students learnt about history and rich tradition of our country through a quiz programme followed by a discussion on the same. Disha Bharat helped our students to understand importance of physical, mental and emotional health. This was done through Yoga session imparting holistic wellness.

One day Regional level training-Building your resume'

14/12/2023

Mr Ricardo, Head, Business development, BuildHr management consultants Private Ltd, Chennai and Ms.Jhana Varshini, Senior Associate, HR Services, BuildHr management consultants Private Ltd, Chennai trained the students to build a strong CV and resume. The students came to know the steps of a constructive resume, viz, recording all the achievements, internships, organisations, programmes attended, the power of creating LinkedIn profile, which gives immense opportunities to students to get placed in various sectors. The trainers threw light upon how to face the interviews too.

Celebrating Indian Scientists in commemoration with National Youth Day and Republic Day

24th January 2024

Students of 3rd year of our department made AV presentations of our prestigious scientists to the other students of our department. The goal of this program is to create awareness about our Indian Scientists and their crucial role in the development in the field of Science and Technology. The students who attended the program were able to know about the contributions by our scientists that changed the scientific perspective of the world.

Celebrating BoseStat@100-online quiz

30-01-2024 to 04-02-2024

Life and works of S N Bose quiz was organised by the Department of Physics, in association with IAPT RC 13 AND SRC08 E. The students learnt about the life and works of Sathyendra Nath Bose. This programme was organised in commemoration with Centenary celebration of BoseStat@100.

International seminar- Women in STEM, A Global Perspective to commemorate International Day of Women and Girls in Science

13/02/2024

International online seminar titled “ Women in STEM, A Global Perspective”, organized by the department, to commemorate International Day of Women and Girls in Science and to create awareness about IAU Outreach Program. The IAU (International Astronomy Union) helps to connect the global astronomy community to the amateur astronomers, educators, and general public. The primary purpose of this event is to address career opportunities in Astronomy, especially for women.

Dr.Priya Hasan, is an Asst. Professor of Physics at Maulana Azad National Urdu University, Hyderabad delivered her talk on Women in Astronomy. Dr.Margaret Bose Adedokun, International speaker of this event, is a lecturer of Physics at University of Lagos, Nigeria. Her life journey, individually and professionally stimulated the positive mentality of our students.

Symposium on Exploration of bird biodiversity

26/02/2024

Conserving bird species is crucial for maintaining ecological balance. The seminar on bird diversity given by our department alumnus Mugilan R. From this session, the students came to understand that several bird species that is sadly become extinct due to several factors, predominantly human activities.

LUMINO 2024-Science Exhibition

19/02/2024

LUMINO 2024, a science exhibition of working models by the students of II B.Sc. Physics in Physics Lab. All the 33 students from II B.Sc. Physics participated in the exhibition. The chief guest of this exhibition was Dr. Shanmugakumar Murugesan. He is the founder and CEO of Modern Agriculture Technology Innovation Centre (MATIC). He has done many research projects which includes designing and implementation of SDN high speed data plan switch. The teams presented their projects which included models of Rocket, Van De Graff Generator, Step up Transformer, Home Automation, Relaunch Sugar Rocket, Hydraulic Press, RC Drone, Human Following Robot, Tesla Coil, Servo Motor Arm and WIFI Module car. Students from different programmes visited the exhibition.

ONE DAY CAPABILITY BUILDING PROGRAMME FOR SCIENCE TEACHERS

5/03/2024

One day capability building programme for science teachers was organised by the Department of Physics, Dwaraka Doss Goverdhan Doss Vaishnav College in association with IAPT RC-13(TN and Puducherry) on March 5, 2024. 31 Science teachers from various schools in and around Chennai participated in the training. The morning session was a complete DO IT YOURSELF session, in which the teacher participants performed hands-on experiments. The post lunch session was filled with Physics fun and excitement through mind blowing demonstrations by Prof. TSN on the fundamental concepts of Physics.

