



Bhauthiki

Annual Report

2022 - 2023

Vision and Mission:

Bhauthiki, the physics association was created with the goal of fostering and developing a research culture among students, providing avenues for students to interact with and get an idea of research and academia.



Events Conducted Until Now :

Inaugural Ceremony :

The inaugural session of the club was conducted on September 19th, with official lighting of the lamp by Prof. Ravindra Pandey and Prof. Will Canterell from Michigan Technological University, along with the HOD of physics dept, Prof. MK Ravi Varma, in the presence of faculty and students. Our esteem guests had an interactive session with the students about career opportunities and possibilities of joint projects.



Artemis – 1 launch :

Bhauthiki conducted a live screening of the launch of Artemis-1 on 29th August, even though the launch was scrubbed last minute, it was a good example of even the biggest projects gone awry and got everyone together, with an interactive session between faculty and students, and talks on the Artemis mission.

World Space Week Essay writing competition:

As part of World Space Week, Bhauthiki conducted an essay writing competition based on the theme this year :“Space and Sustainability”. The winner was given a copy of the God Equation by Michio Kaku, by Dr. Manoj Puravankara from IUCAA.

Talks on starting local chapter of Optical Society of America:

A talk was held by Dr Saheer Cheemandan, Assistant Professor (Physics), M. A. M. O. College, Mukkam, on the advantages and processes of starting a local chapter of the optical society of America in our institute.

Comet Watching:

We had organized a comet watch for the Greens Comet - C/2022 E3, a once-in-a-lifetime event as the comet passed close to Earth, on February 2nd. We used a telescope from the department on the ECLC terrace, and the turnout was unprecedented. Unfortunately, it was not detectable due to cloudy weather, the full moon, and the comet being low on the horizon. But we managed to look at the moon and some planets. Overall it was an interesting event and we got a large number of students interested in stargazing together.



Movie screenings:

We held various movie screenings in the department. So far, we have screened - Interstellar, A Beautiful Mind and Everything Everywhere All At Once. We plan to continue with more fun and thoughtful movies on a fortnightly basis.

Science Day - Outreach Program :

Bhauthiki, in association with the Department of Physics, organized a full-day program on various science awareness activities for selected school students from neighboring schools. Around 60-70 students from classes 8-12 attended and were met with experimental demonstrations of various phenomena. Also conducted a science quiz contest and poster competition and other group activities. The session was inaugurated by the Director of NITC, Prof. Prasad Krishna.



“Unlocking the mysteries of the Universe” a talk by Dr. Manoj Puravankara :

A talk on the James Webb Space Telescope, its preliminary results and how it will help unlock the mysteries of the universe was given by Dr. Manoj Puravankara from TIFR, who was in fact one of the first set of astronomers selected by NASA to look and work with the data collected by the JWST. There was also an interactive session where he spoke about his research and opportunities for higher studies in the field.

