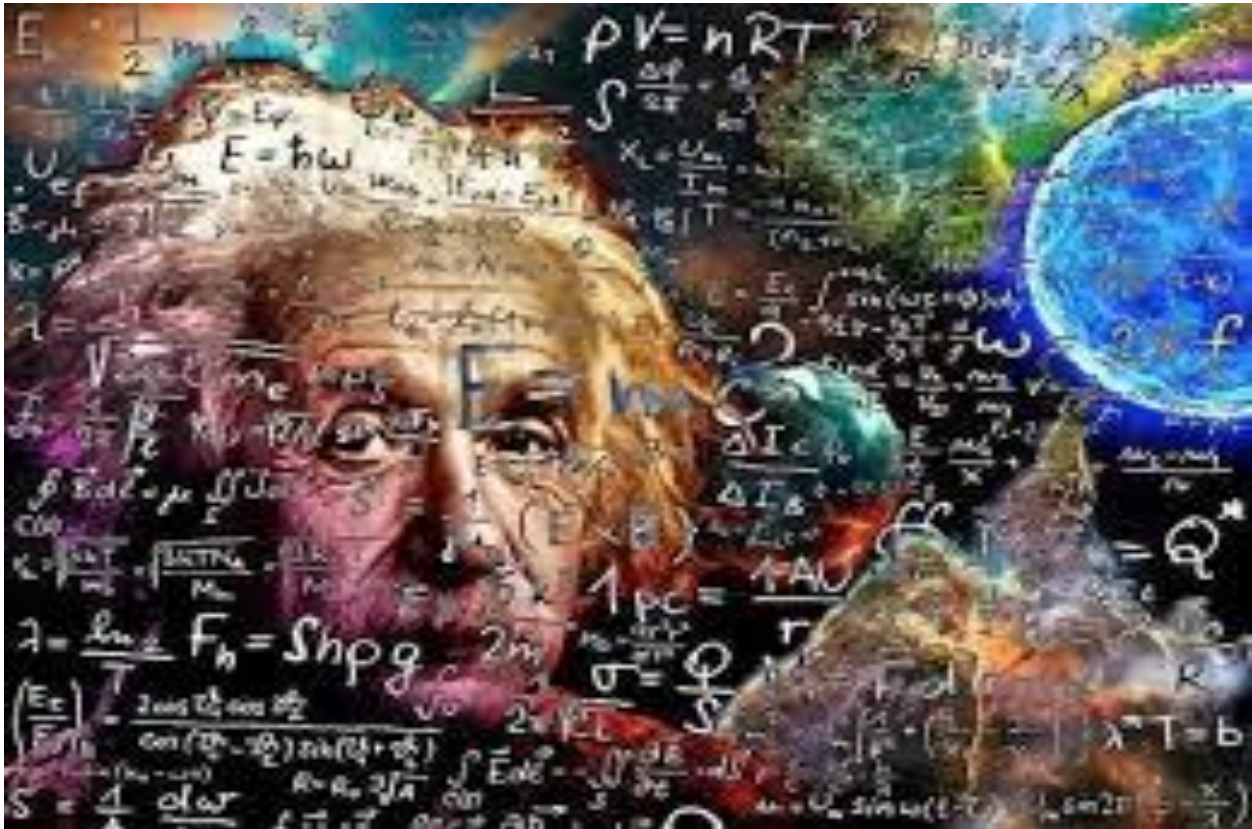


NSS COLLEGE MANJERI



ANNUAL REPORT 2022-23

DEPARTMENT OF PHYSICS



NSS College Manjeri is an Arts & Science college affiliated to University of Calicut, accredited by NAAC with 'B+' grade and is run by Nair Service Society. NSS College was established in 1965 by the great leader of Nair Service Society, Bharatha Kesari Shri.Mannthu Padmanabhan with the generous help of Shri. P. M. Tirumulpad.

DEPARTMENT OF PHYSICS

The department of Physics was established in 1965 for Pre degree classes. Prof. M Balachandran was first HOD of the department. In 1969 it was upgraded as a subsidiary department. The main course was introduced in the year 1995 with Mathematics and Computer science as subsidiary subjects

Vision: To build a foundation for excellence and encourage the development of the institution as premier one by igniting and promoting enthusiasm ,interest and passion, in the study of Physics , in professional courses as a part of curriculum.

Mission: The Department of Physics envisages to

- To provide high quality education and equip students for higher level*
- To develop among students, sensitivity to contribute to the betterment of society through knowledge in Physics*

The Department of Physics at NSS College, Manjeri, is renowned for its academic excellence and dedicated faculty. It provides a comprehensive curriculum that balances theoretical knowledge with practical applications through hands-on experiments and seminars. The department's Physics Club fosters a spirit of inquiry and innovation among students through activities like invited lectures and quizzes. This holistic approach prepares students for careers in research,

academia, and industry, making the department a cornerstone of scientific education in the region.

REPORT OF DEPARTMENT ACTIVITIES

2022-2023

CO-CURRICULAR ACTIVITIES

PHYSICS CLUB

Campus cleaning 16/06/2022

Astra -the physics club conducted a campus cleaning programme on 16/06/2022 to make an awarness to students regarding higeinity.

Asteroid day 30/06/2022

Asteroid day celebrated by the physics club on 30/06/2022. Poster presentation and working models displayed by the students.

Campaign against drug abuse 30/10/2022

As part of Govt. programme , physics club initiated a short video message to the students in the campus against drug abuse on 30/10/2022.

Exhibition associated with science forum 28/11/2022

In association with science forum physics club conducted a science experiment exhibition for high school students on 28/11/2022.

National science day Celebration 2023:

Essay competition on Global Science for Global wellbeing 28/03/2023

National science day 2023 celebrated by physics club by stick on the theme “global science for global well being”.About 15 students were participated in the essay competition on the theme

PHYSICS ASSOCIATION (ASTRA) :

Physics association Inauguration and talk on Physics and Career on 24/02/2023 by Dr. Vijayakumar S. , Department of Physics, NSS College Pandalam.

IT CELL

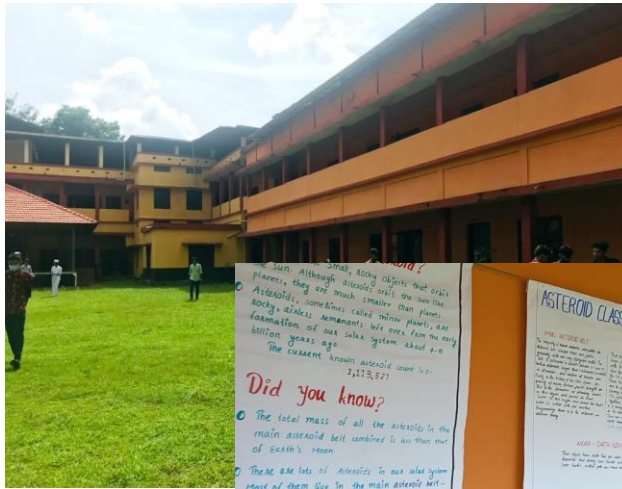
Conducted a professional orientation on trending technologies in IT on 17 october 2022.

EXTENSION ACTIVITIES

URJA KIRAN PROGRAMME 2022-23

To create awareness among the general public and equip them for efficient management of all forms of energy, to promote energy efficiency and energy conservation and to develop new sources of energy as well as novel energy technologies with a view to increasing the production and facilitating the use of energy on a sustainable basis department of Physics conducted Urjakiran Programme in association with Energy Management centre Kerala and Centre for Environment and development.

In addition a Taluk level Short Video production competition was also conducted.



Small, rocky objects that orbit the Sun. Although asteroids orbit the Sun like planets, they are much smaller than planets. Asteroids, sometimes called minor planets, are fragments of rock that formed from the formation of our solar system about 4.6 billion years ago.

The current known asteroid count is: 1,113,827

Did you know?

- The total mass of all the asteroids in the main asteroid belt combined is less than that of Earth's moon.
- There are lots of asteroids in our solar system. Most of them live in the main asteroid belt - a region between the orbits of Mars and Jupiter.

ASTEROID CLASSIFICATION

TYPE I: C-CHONDRITE
The most common type of asteroid, they are composed of carbonaceous material. They are dark in color and contain a lot of organic material.

TYPE II: S-SILICATE
The second most common type of asteroid, they are composed of silicate minerals. They are lighter in color and contain a lot of iron.

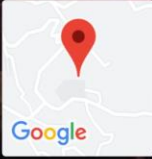
TYPE III: M-METAL
The least common type of asteroid, they are composed of metal. They are very dark in color and contain a lot of iron and nickel.

NEAR-EARTH ASTEROID DANGER

NEAR-EARTH ASTEROIDS (NEAs) are asteroids that have orbits that bring them close to Earth. They are a potential hazard to our planet.

HOW TO DETECT THEM

The best way to detect NEAs is by using telescopes. Astronomers use large telescopes to scan the sky for these objects.



Manjeri, Kerala, India
 449H+7Q7, Kuttan Thampuram, Manjeri, Kerala 676122, India
 Lat 11.118669°
 Long 76.129081°
 31/10/22 01:26 PM

presents

date: 31/10/2022

time: 1:00pm

A short video

VENUE - COLLEGE SEMINAR HALL

