

INNOVATIVE PRACTICES OF SCIENCE

DEPARTMENT

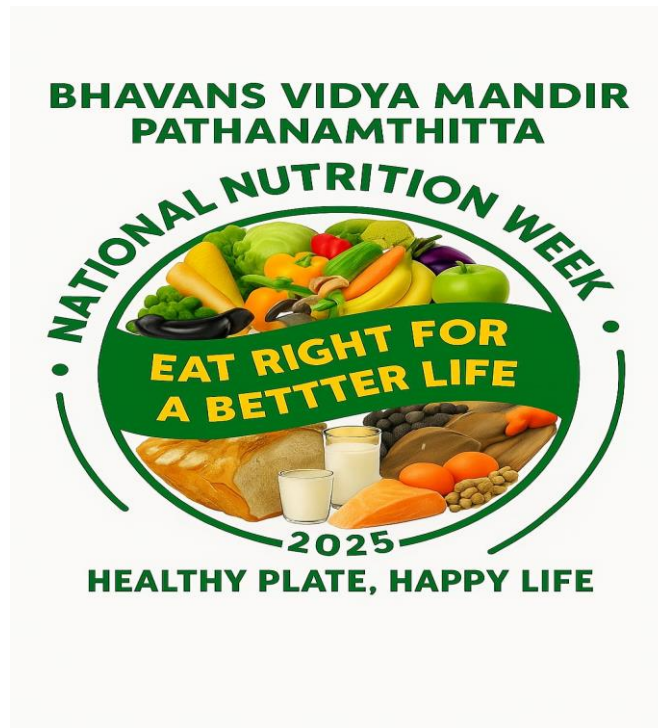
Innovative practices are new and creative methods or ideas used to improve learning, working, or solving problems. These practices make activities more effective, interesting, and meaningful.

- **World Environment Day was celebrated on 5th June 2025 with great enthusiasm. The aim of the program was to create awareness about protecting the environment and reducing plastic pollution**



- **A food fest was conducted in connection with world nutrition week on 11th September 2025 to create awareness about healthy food**

habits. The main aim of the program was to encourage students to choose nutritious and balanced meals



- In connection with world space week the children watched a mobile planetarium show which helped them understand the wonders of space, planets and stars in an interesting way
- They also visited the exhibition conducted by Marthoma Higher Secondary School (VISTA). The visit was informative and inspiring for the students and, it enhanced their interest in science
- Physics pioneers at IGNTIA 2025 students of class 9 from Bhavans Vidya Mandir Pathanamathitta proudly represented the school at IGNTIA, the All Kerala Inter Bhavans Residential Camp, held at Bharatiya Vidya Bhavan, Perumthiruthi on 3rd and 4th October 2025



- **Reflective Smart Collar: A Humane Tech for Stray Safety (Class 9 students) the project is being presented under the Young Innovators Programme (YIP), showcasing student-led innovation for social good**



1. ICT-Based learning

Using smart boards, videos and online tool

- **Helped the students in understanding concepts in a better way**
- **Increased students' engagement**
- **Improved digital skills**

2. STEM-Based Learning

Integrating science technology engineering and mathematics through experiments and projects

- **Improved problem-solving skills**
- **Development of creativity and critical thinking**
- **Better practical knowledge**

3. Experiential Learning Program

Conducting exhibitions, Experiments and Field Visits

- **Better understanding of scientific concepts**

- **Real life exposure and practical knowledge**

4. Role Play and Simulation

Students act as doctors, leaders, scientist etc

- **Improves communication and critical thinking**

The Following Teachers

Manju Mol, Chitra, Lissy, Veena, Anila, Sreepriya, Annas, Sumesh actively participated in all the above-mentioned science related activities

In connection with the National Science Day, we are planning to conduct an exhibition on Feb 26th titled “Sci Nova 2026”