

**PODAR INTERNATIONAL SCHOOL
MANGALORE**
(CBSE Affiliation No -831054, School code – 46680)

Ref No: PIS/ACT/SEAT/2024-25/18.

Dear Parents/Guardians,

Greetings!!!

We are thrilled to introduce Innovation Club in our school, designed to inspire creativity, problem-solving, and technological exploration among our students. The club aims to provide a platform for students to delve into exciting topics within science, technology, engineering, artificial intelligence and mathematics (STEAM).

Here are some of the innovation topics that our students will explore in the Innovation Club:

1. **Renewable Energy Solutions:** Designing and building renewable energy projects such as solar-powered devices or wind turbines.
2. **Smart Cities:** Developing ideas to make urban environments more sustainable, efficient, and connected using IoT (Internet of Things) technology.
3. **Healthcare Technology:** Innovating solutions to improve healthcare accessibility, monitoring, or treatment methods.
4. **Environmental Conservation:** Initiating and creating opportunities to address environmental challenges like waste management, water conservation, or biodiversity preservation.
5. **Artificial Intelligence:** Exploring applications of AI in various fields such as robotics, computer vision, or natural language processing.
6. **Virtual Reality (VR) and Augmented Reality (AR):** Designing immersive experiences or practical applications for VR/AR technology.
7. **Space Exploration and Aviation technology:** Proposing ideas for space missions, satellite technology, or space habitation solutions.
8. **Animal Rearing and Farming Technology:** Innovating solutions to improve animal husbandry practices, develop automated farming techniques, or enhance agricultural productivity through technology.

9. **Public Transport Solutions:** Designing and proposing ideas to optimize public transportation systems, improve accessibility, reduce carbon footprint, or enhance commuter experiences using smart technology.
10. **Household Technology and Innovation:** Creating innovative solutions for household management, energy efficiency, home automation, or sustainable living practices through technological advancements.
11. **Institutional Auto Mechanism:** Designing and implementing automated systems for institutional operations, improving efficiency, reducing costs, or enhancing safety and security within educational or organizational settings.
12. **Biotechnology and Nanotechnology:** Exploring advancements in biotechnology for healthcare, agriculture, or environmental sustainability, as well as applications of nanotechnology in materials science, medicine, or electronics.

These topics will be a foundation for students to brainstorm, collaborate, and innovate throughout the year. Our faculty members will guide them through the process, granting assistance and resources to help bring their ideas to life.

If your child is eager to join the Innovation Club or if you have any queries, please do not hesitate to contact **Ms. Gayathri** at gayathri.p@podar.org


We look forward to witnessing the innovative projects and ideas that our students will develop in this exciting club.

Best regards,

Gayathri Kotian

Innovation Club Incharge

Podar international school Mangalore



Principal