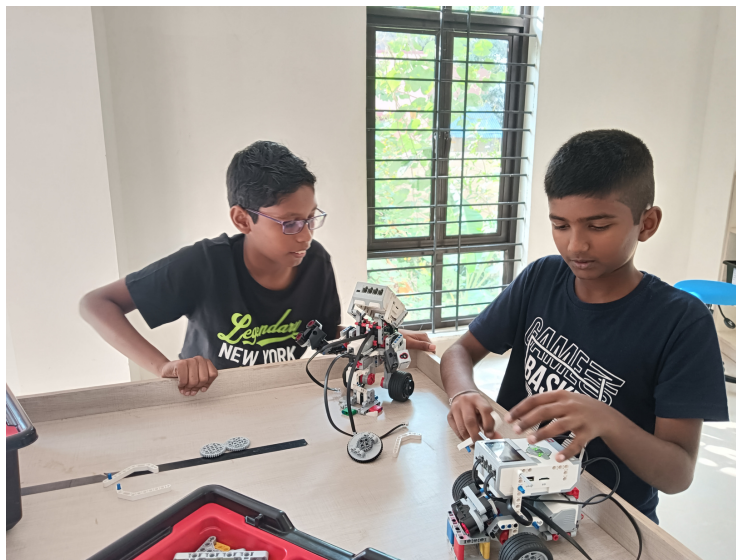




GOVERNMENT OF PUDUCHERRY  
DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT  
PUDUCHERRY COUNCIL FOR SCIENCE AND TECHNOLOGY  
DR. ABDUL KALAM SCIENCE CENTRE AND PLANETARIUM

# INNOVATION HUB

## REPORT ON THE ACTIVITIES OF THE INNOVATION HUB JANUARY 2024



## **Activity of the Innovation Hub for the Month of January - 2024**

Students did basic science projects under the subject of Physics, Chemistry, Bio-science, Mathematics, Electronics, and Robotics.

Discussion about projects, Lego Kit, Robotic sensors and its types and assembling of Remote control Robot and made several craft work.



## **JANUARY MONTH ACTIVITY -I**

Name of the Activity : Demonstration of Robotic car using Lego.

Class Take on : 07/01/2024.



### **Objective of the Activities:**

In this class, the general concepts of Robotics were taught and the latest applications were discussed briefly with certain video clips. The students were interested to do robotic car by using Lego kit. Students also learned the soldering work also while fabricating.

## JANUARY MONTH ACTIVITY -II

Name of the Activity : Craft work.

Class Take on : 14/01/2024.



### Objective of the Activities:

In this class, student did Paper craft work using paper and chart card as the primary artistic medium for the creation of two or three-dimensional objects. The students learned the techniques of folding, curving, bending, cutting, gluing, molding, stitching and layering to form a paper bag.

## **JANUARY MONTH ACTIVITY -III**

Name of the Activity : Automated guiding Robot.

Class Take on : 14/01/2024.



### **Objective of the Activities:**

In this class, innovation hub members did automated guided vehicle systems that are used for tasks that would typically be handled by Arduino Uno, Micro Controller systems for moving large volumes of material in a repetitive manner. AGVs are used in a variety of applications are analysed by the Students.

## **JANUARY MONTH ACTIVITY - IV**

Name of the Activity : Functions and Working of Lego Kit.

Class Take on : 21/01/2024



### **Objective of the Activities:**

In this class innovation hub members did various coloured interlocking plastic joints made of acrylonitrile butadiene styrene that accompany an array of gears, figurines called minifigures, and various other parts are explained to students . In this class students assembled and connected in many ways to construct objects, including vehicles, buildings, and working robots.

## **JANUARY MONTH ACTIVITY - V**

Name of the Activity : Classes on Technologies involved in Robotics.

Class Take on : 21/01/2024



### **Objective of the Activities:**

Our IH Member Shri. Golavainbec Jothan 3<sup>rd</sup> Year B.Tech Robotics & Automation Student Conducted a Seminar on what is Robotics. Explained what is robotics among the students and basics of robotics from the way how the robotics starts and importance of robotics with the applications of to the students.

## **JANUARY MONTH ACTIVITY - VI**

Name of the Activity : Mobile control Robotic car.

Class Take on : 28/01/2024



### **Objective of the Activities:**

In this class innovation hub members learnt about mobile robot which is controlled by machine software that use sensors and other technology to identify its surroundings and move around its environment. Mobile robots function using a combination of artificial intelligence (AI) and physical robotic elements, such as wheels, tracks and legs with Uno Board.

## Public & Students Visiting the Innovation Hub during the Month of January - 2023

During the month of January 2024, totally 847 Students visited Innovation Hub from different schools of Puducherry. The students were informed about the various activities of the Innovation Hub.



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