

HPSM's GANPAT PARSEKAR COLLEGE OF EDUCATION

Harmal, Goa



REPORT

Type of the event:- To make 'Smart Dustins' using 'Arduino Uno' under the Innovation Cell.

Date :- 27 April 2023

Mode:- Offline

Venue:- Physics Laboratory, Ganpat Parsekar College Of Education, Harmal- Goa.

Objectives of the Project:-

- To inculcate scientific temperament in students.
- To motivate students to build an innovative approach towards everyday problems.
- To create a cleaner, safer and more hygienic environment.
- To facilitate students involvement in creation of innovative gadgets.

Participants :-

- 1) Ms.Rusy Parab
- 2) Ms.Prakriti Naik
- 3) Mast.Sairaj Mhanal
- 4) Mast.Umesh Padloskar
- 5) Ms.Bhakti Sutar
- 6) Ms.Manjiree Sawal Desai

Organizing Body:- Innovative cell and Physics Department

Members of Organizing body:-

- 1) Ms.Rusy Parab (President)
- 2) Mast.Hritik Naik (Secretary)
- 3) Mr.Karesh N. Phondekar (Convenor)

Funding Agency: Student welfare Fund.

Description of the activity :-

The students of Ganpat Parsekar College Of Education, Harmal, have devised an innovative project called 'Smart Dustin's which works automatically, thereby, maintaing the Hygiene and promoting Sanitation. Students involved in the said project were Ms.Prakriti Naik, Ms.Rusy Parab, Mast.Sairaj Mhamal, Ms.Bhakti Sutar, Mast. Umesh Padloskar, and Ms.Manjiree Sawal Desai. The Project was assisted by Ms.Karesh Phondekar, Assistant Professor in Physics.

Aahe Smart Dustbin is designed to work in the following manner:

When a person approaches the dustbin, the ultrasonic sensor detects and opens the lid of the dustbin, which remains open for specific amount of time after which

it automatically closes. The future scope of the project is to increase the cost effectiveness of the dustbin by finding alternative methods in place of Arduino Hardware.

Enclosures:

1)URL of the video.

2) Photographs

Teacher-in-charge.

(Mr.Karesh Phondekar).

Principal

(Mr. Udesb Natekar)

Video Link:https://drive.google.com/file/d/1ePpTdRxUuhwSTSIE9HvugM4_LEgx7t-K/view?usp=drivesdk



 GPS Map Camera

Arambol, Goa, India

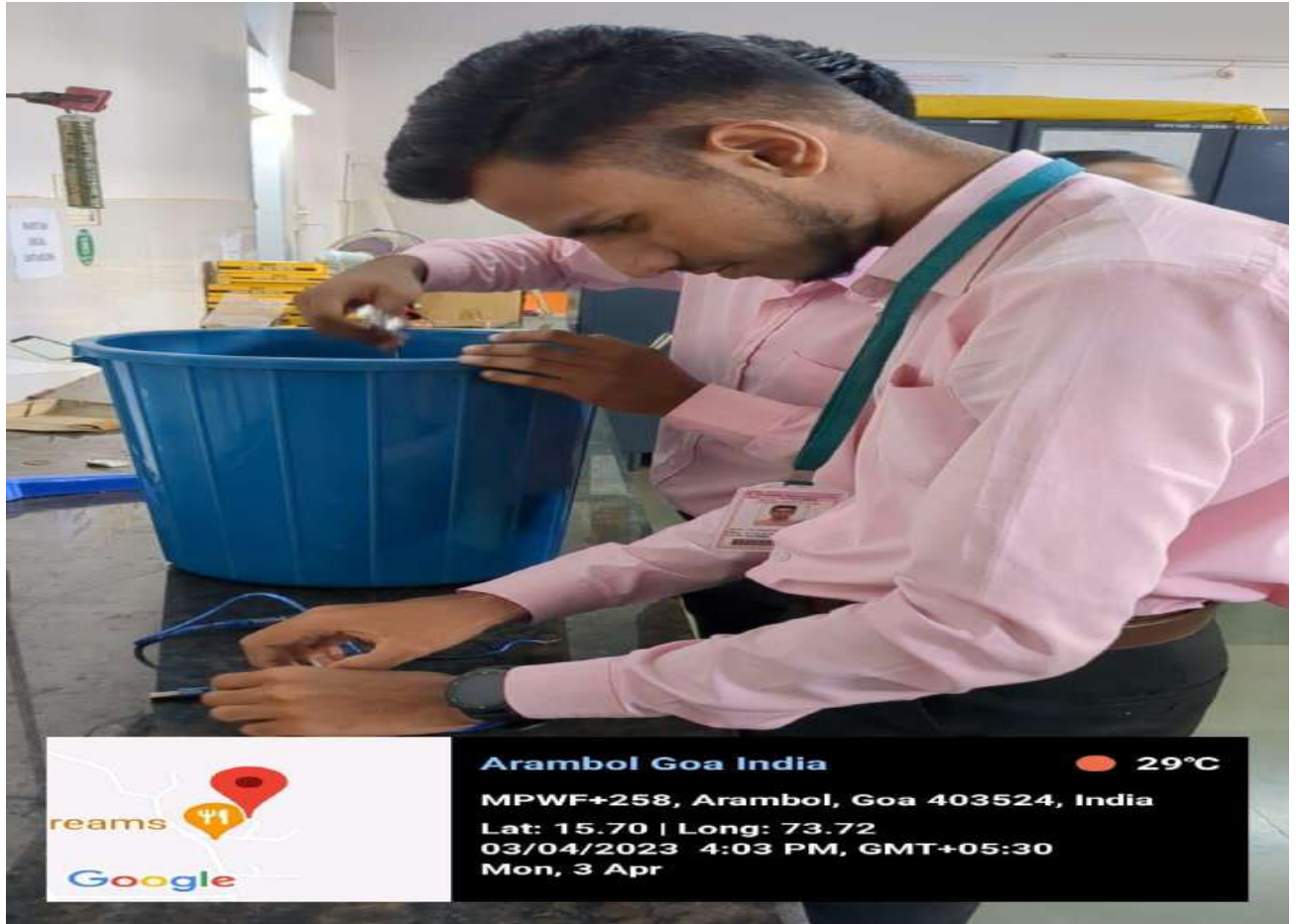
MPWF+258, Arambol, Goa 403524, India

Lat 15.69514°

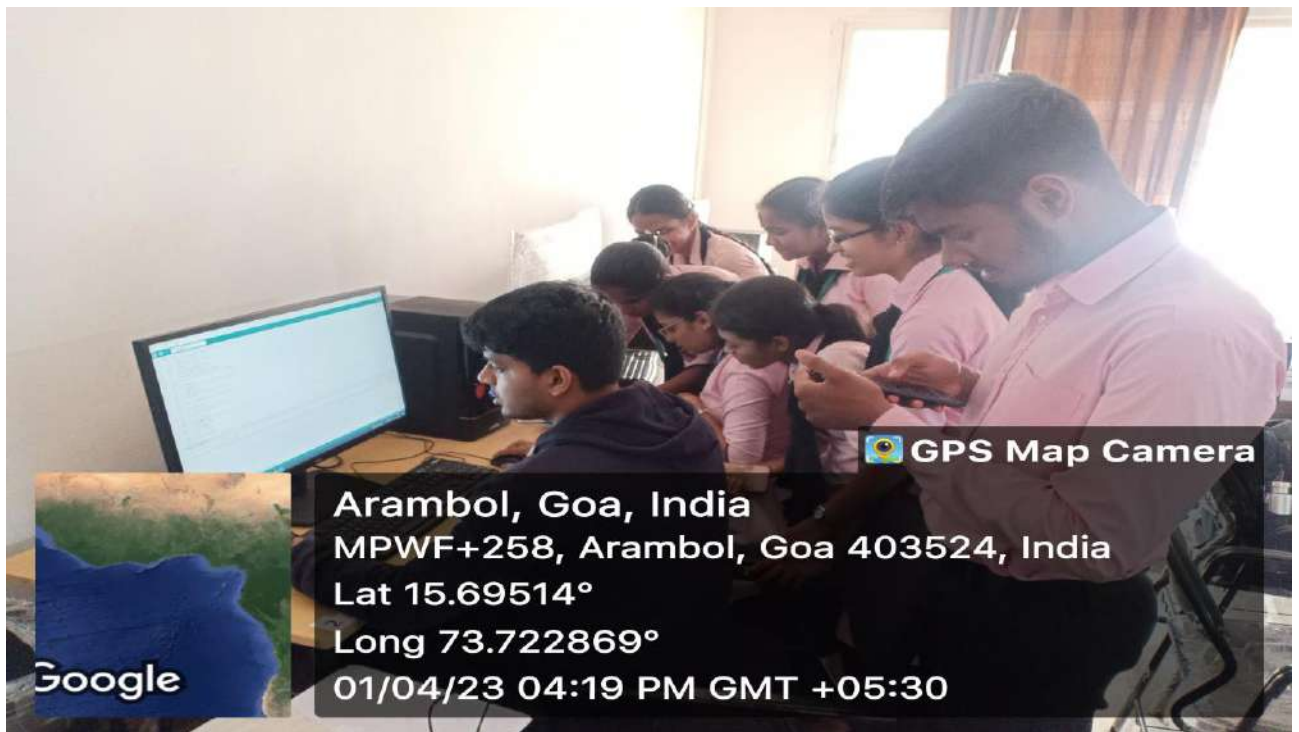
Long 73.722869°


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Arambol Goa India 29°C
MPWF+258, Arambol, Goa 403524, India
Lat: 15.70 | Long: 73.72
03/04/2023 4:03 PM, GMT+05:30
Mon, 3 Apr



 **GPS Map Camera**

Arambol, Goa, India
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Lat 15.69514°
Long 73.722869°
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