



Announcing the shortlisted schools that will make it to the Maharashtra edition of the Smart School Hackathon 2020!



A device that indicates noise pollution level in classroom:

Problem Statement 1

How to manage a noisy classroom?

Explanation

A device which can give an alarm or indication if noise made in the classroom goes beyond the control level. It will indicate to the students that they should reduce their voice. They can make use of decibel management system which is available | Use class volume meter in real time | Fun lights appearing across the room telling students to settle down.

Finalists

IDEA ID 66: A device that indicates noise pollution level in classroom

Ashoka Global Academy, Arjun Nagar

SPOC: Ms Chaitali Paul

TEAM: Ayush Kataria, Parv Lodha, Sai Gavali

IDEA ID 68: How to Manage a Noisy Classroom

Vikhe Patil Memorial School, Pune

SPOC: Susmita Cholkar

TEAM: Sharvil Kadam, Ayush Deole, Siddhant Pawar

IDEA ID 72: A device that indicates noise pollution level in classroom

Ashoka Universal School, Ashoka Marg

SPOC: Ms. Shagufta Patel

TEAM: Yash Kalantri, Aditya Bhide, Omisha Jain, Ashi Trivedi

IDEA ID 88: How to Manage a Noisy Class

DES New English Medium Secondary School

SPOC: Vaishali Rahul Wargad

TEAM: Riya Sunil Mehetre, Samruddhi Santosh Bodh, Bela Parag Ratanjankar

IDEA ID 86: A Silent Classroom

D.E.S Secondary School, Arjun Nagar

SPOC: Radha Ketkar

TEAM: Ved Asawa, Yash Vyas, Sarvesh Joglakar, Soham Bagade

IDEA ID 117: Noise Detector

The Orchid School

SPOC: Priya Shiram

TEAM: Anany Bahekar, Avaneesh Nisal, Shravani Pingle

IDEA ID 83: Noise Pollution Detector

Ashoka Universal School, Ashoka Marg

SPOC: Shagufta Patel

TEAM: Rhythm Singh Basoor, Amey Kushare, Kshitij Naik

IDEA ID 153: Noise Pollution Detector

MES BAL SHIKSHAN MANDIR ENGLISH MEDIUM SCHOOL

SPOC: Mrs. Avantee Joshi

TEAM: Tejas Kulkarni, Shlok Sardeshmukh, Anish Dharmadhikari

IDEA ID 155: Noise Pollution Detector

MES BAL SHIKSHAN MANDIR ENGLISH MEDIUM SCHOOL

SPOC: Mrs. Avantee Joshi

TEAM: Harsh Modak, Mukta Soman, Kavish Choudhary

IDEA ID 159: Noise Pollution Detector

MES BAL SHIKSHAN MANDIR ENGLISH MEDIUM SCHOOL

SPOC: Mrs. Avantee Joshi

TEAM: Advay Agashe, Onkar Mengade, Chaitanya Kulkarni

IDEA ID 104: Programmable Noise Indicator

City Pride School, Nigdi

SPOC: Ms. Aarti

TEAM: Saket Burute, Parth Arora, Sai Akshit, Amod Sabnis



An alert to remind missing books from school bag:

Problem Statement 2

Students may need to carry a variety of books to school for different subjects based on daily timetable. Forgetting a book at home or even losing it can cause a lot of inconvenience for studies. Therefore, there should be an alert that would ring to remind students to pack the missing book in the school bag.

Explanation

Use of barcodes/alike system for books which will define subject wise | Use of notification on smart phones by alerting them the timetable of the day. Sending three reminders/alarms before the student leaves for the school | When the books not found in the bag, an alert beep is notified.

Finalists

IDEA ID 87: Bookminder

Walnut School, Shivane

SPOC: Deepmala Khune

TEAM: Shriya Kulkarni, Poorva Kulkarni, Riyah More

IDEA ID 113: Books Alert Phone System

Symbiosis Secondary School

SPOC: Yamini Shinde

TEAM: Shwetark Kulkarni, Kartikeya Raghu, Chinmay Kale, Anish Deodhar

IDEA ID 145: Book - Swatch

Dr. Kalmadi Shamarao High school

SPOC: Manisha Giroolkar

TEAM: Simran Varma, Aarya Deshpande, Mitali Deshpande

IDEA ID 144: Nistarak - Book Missing Alarm

Dr. Kalmadi Shamarao High School

SPOC: Manisha Giroolkar

TEAM: Ananya Chordia, Padmini Godbole, Shruti Nargund

IDEA ID 107: Smart Bag

City Pride School, Nigdi

SPOC: Ms. Aarti

TEAM: Aryan Singh, Raj Taware, Dhiraj Bora, Hardik Chaudhari

IDEA ID 136: Smart School Bag

N.M.V.Girls High School and Junior College

SPOC: Ms. Arati Rajendra Toke

TEAM: Mayuri Mahesh Bokil, Sakshi Kiran Kamble, Mugdha Vilas Pathak, Mansi Mukesh Rajiwade



Alert for cleanup – toilets | corridors | school area:

Problem Statement 3

Hygiene at school is extremely crucial in for health reasons of students.

Explanation

A system may be designed that detects usage of dirty corridors, classroom or even the toilets. A sensor-based mechanism can be created which alerts dirty toilets | toilets with no tissue paper and wrappers and papers littered in the school premise.

Finalists

IDEA ID 54: Automated Dustbin cum Broomer

Ashoka Universal School

SPOC: Ms. Zohra Shaikh

TEAM: Parshv Mragendra Raka, Sudarshan Sanjay Jadhav, Ved Nilesh Patil, Aaditya Yuvraj Deshpande

IDEA ID 49: Clean Up Alarm

S.P.M. English School, Secondary

SPOC: Yogita Sheth

TEAM: Vaishnavi Gulave, Sadnya Deshpande, Mrunmayee Vaidya, Shradha Vedpathak

IDEA ID 55: Garbage Cleaning Car Robot

Ashoka Universal School

SPOC: Ms. Zohra Shaikh

TEAM: Arya. Mukesh. Jain, Siddhant. Prashant. Amin, Tirtha. Vijay. Naukudkar, Ved. Sachin. Kulthe

IDEA ID 109: Mess in the Washroom - Dustbin Level Detector Module

The Stepping Stone School

SPOC: Mrs. Ritu Mendiratta

TEAM: Pulkit Patil, Aditya Waikar, Dhruv Walimbe

IDEA ID 157: Odour Detector

MES BAL SHIKSHAN MANDIR ENGLISH MEDIUM SCHOOL

SPOC: Mrs. Avantee Joshi

TEAM: Mihir Gogate, Tanmay Dani, Pushkaraj Salunke

IDEA ID 62: Urea Detector

Pune Police Public School

SPOC: Ms. Vaibhavi Kunal Kulkarni

TEAM: Shinde Sharvari, Gite Shrawani, Deshmukh Vaishnavi, Gawade Dnyaneshwari



Tracking water usage at home and school

Problem Statement 4

Water is a very critical natural resource especially in India and tracking the water usage in daily routine is a need of an hour. Student needs to develop a system to optimize and track the water usage at school and home.

Explanation

Use of sensors / alike system to determine water usage at every home / school and the system should help in educating people about importance of water and reusable water activities.

Finalists

IDEA ID 57: Water Level Indicator

Ashoka Universal School

SPOC: Ms. Zohra Shaikh

TEAM: Ishan Jayant Chaudhari, Harjyotsingh Tejinder Meen, Manav Madan Khandve

IDEA ID 79: Water Level Indicator

Walnut School, Fursungi

SPOC: Ms. Nandini Tilekar

TEAM: Antra Waje, Piyali Waje, Anwasha Kumar, Srakshi Lamture

IDEA ID 61: Automatic Water Tap System

Ashoka Universal School

SPOC: Ms. Zohra Shaikh

TEAM: Ayush Jagdish Bhalerao, Sai Amol Sonawane, Sai Ashok Shintade, Pratham Prasad Rao

IDEA ID 156: Detecting Water Usage

MES BAL SHIKSHAN MANDIR ENGLISH MEDIUM SCHOOL

SPOC: Mrs. Avantee Joshi

TEAM: Nandan Tol, Gaurav Kulkarni, Atharva Mehendale

IDEA ID 139: Device Development

Vidyanand Bhavan High School

SPOC: Seema Tawade

TEAM: Aarya Ranaware, Surshti Rannaware, Yasha Aarya

IDEA ID 92: Hackathon Project - Aqua Arbiter

Symbiosis Secondary School

SPOC: Yamini Shinde

TEAM: Kshitij Joshi, Arnav Hirpathak, Yash Jorvekar, Atharva Barve

IDEA ID 150: Hydrometer

Dr. Kalmadi Shamarao High School

SPOC: Manisha Girolkar

TEAM: Parth Sangle, Samruddha Barhanpurkar, Mehul Gupta

IDEA ID 146: The Aqua Tracker

Dr. Kalamadi Shamarao High School

SPOC: Ms. Manisha Girolkar

TEAM: Veera Patil, Shriya Kulkarni, Samvridhi K.S.



WOW (Wonders Out of Waste, Open Innovation Model)

Problem Statement 5

Building useful electronic products from reusable and waste components. (e.g. reusable battery propeller systems to drive low weight drones)

Explanation

Students are free to select any challenges encountered during their daily routine and develop a product in-line with the statement.

Finalists

IDEA ID 91: Launching Missile

Gyanankur English Medium School, Kesnand

SPOC: Ms Sayali Satav

TEAM: Shreyash Prakash jadhav, Somendra Chafale, Atharva Vitthal Gawade, Atharva Kishor Nhavale

IDEA ID 82: Liquid Filtered Air Purifier

Ashoka Universal School, Ashoka Marg

SPOC: Shagufta Patel

TEAM: Asmit Rai, Sudip Kaklij, Sarthak Surana, Skandha Kuntagod

IDEA ID 100: Electric Air Cooler

Gyanankur English Medium School, Kesnand

SPOC: Ms Sayali Satav

TEAM: Mansi Gaikwad, Siddhi Jadhav, Sakshi sharama

IDEA ID 148: Plastic - Parivartan

Dr. Kalamadi Shamarao High School

SPOC: Ms. Manisha Girolkar

TEAM: Sudhanva Rajurkar, Vihang Vidwans, Manas Vichare, Avneesh Bapat

IDEA ID 89: Portable Fire Alarm

D.E.S Secondary School, Arjun Nagar

SPOC: Radha Ketkar

TEAM: Shlok Sangamnerkar, Ayush Padwal, Atharva Patwardhan

IDEA ID 73: Scavengers (WOW)

Walnut School, Shivane

SPOC: Ms. Deepmala Khune

TEAM: Rasika Navgrahe, Sanskruti Kulkarni, Janhavi Kulkarni

IDEA ID 97 : Smoke Detector

Gyanankur English Medium School, Kesnand

SPOC: Ms. Sayali Satav

TEAM: Bharat Gaikwad, Om Bhor, Aditya Rajwade, Mahesh Sutar

IDEA ID 53: Traffic Signal Barricade

Ashoka Universal School, Ashoka Marg

SPOC: Ms. Shagufta Patel

TEAM: Vanad Palod, Varad Palod, Parshava Tatiya

IDEA ID 94: WOW (Wonders Out of Waste)

GG International School, Pimpri

SPOC: Smitha Thomas

TEAM: Soumyajit Roy, Salil Amritkar, Meet Gupta, Supratik Mahabare

Congratulations Teams!

We look forward to seeing you in January 2020... All the Best!