

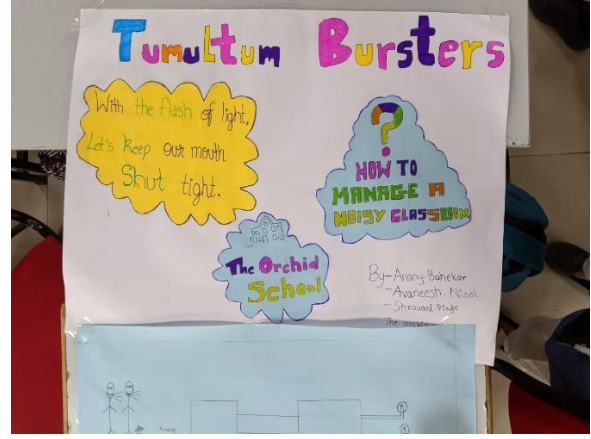
TOS students participate in the finals of the Smart School Hackathon 2020.

TOS students Anany Bahekar, Avaneesh Nisal and Shrawani Pingle from Class VII, presented their project “How to manage a noisy classroom” at the Smart School Hackathon’s final round in Pune on 18-01-2020. Their project was one of the 40 projects selected for the final round.



Persistent Systems and i4C in their pilot edition of Smart School Hackathon reached out to schools all over Maharashtra that have Atal Tinkering Labs, Robotic Labs or similar facilities. The aim was to tap innovative mind and creativity of younger students studying in **Class 7, 8, and 9**.

Our school students presented their project “How to manage a noisy classroom”. The technology developed by the students will identify if the noise level in classroom exceeds 85 decibels. In case it does, a light installed at the classroom will blink, telling students that they need to lower their voices.



Eminent personalities at the #SmartSchoolHackathon included Dr Unnat Pandit, Program Director of Atal Innovation Mission, Dr Anand Deshpande, Founder and Managing Director, Persistent Systems, Sonali Deshpande, Chief Trustee and Chairperson of the Board of Trustees, Persistent Foundation, Bharat Agarwal, President, Vishwakarma University and Dr Ashok Korwar, advisor and leadership coach.

समस्यावर स्मार्ट मंत्र

‘स्मार्ट स्कूल हॅकेथॉन’मध्ये विद्यार्थ्यांनी साकारले बहुपयोगी प्रकल्प

म. टा. प्रतिनिधी, पुणे

शाळेत ज्ञानाचा एखादा वही घरी राहिली, तर मोबाइलवर मेसेज येईल आणि यही घेण्याची आवश्यकता केली जाईल... त्याचबरोबर स्वच्छतागृहाची स्वच्छता झालेली नसेल, तर संस्काराच्या माध्यमातून तसा सिमन मिळेल आणि शाळा प्रशासनाला त्याची माहिती मिळेल. शाळांकरिता विद्यार्थ्यांनी साकारलेले असे आधुनिक प्रकल्प पाहून माहिती तंत्रज्ञान क्षेत्रातील तराठी धक्का झाले.

निमित्त होते, पॅरिस्टंट काउन्सेलिंग व 'आपल्याला तिकी' आयोजित 'स्मार्ट स्कूल हॅकेथॉन'चे. स्पर्धांसाठी खाली नोंदवलेल्या विद्यार्थ्यांना पाणी व कपडा उपलब्ध ठेवून स्वच्छता, खनिजदुग्धाचा विनिर्माण आणि कचऱ्याकडून उपकरणे असे होते. पुणे, शाळांचे १०३ संपन्न ३५० विद्यार्थ्यांनी सहभाग घेतला. पॅरिस्टंट काउन्सेलिंग अखत्यक्ष सानेजी देसायने, अटल इनोव्हेशन विभागचे कार्यकारी सहायक डॉ. उमता पंडित यांनी विद्यार्थ्यांनी माहितीतून केले. बालविज्ञान मंदिर, डॉ.शंकर स्कूल, सिबागॉर्गर स्कूल, कॉलेज स्कूल, अशोका नॉबल अँड डॅमी, त्यामुळे एखादी वाढ नसल्यास, तसा मेसेज संबंधितांच्या मोबाइलवर जातो. सिटी प्राइड स्कूलच्या आर्यन सिंह, राज तावरे, धीरज बोर आणि हादिक चौधरी या विद्यार्थ्यांनी हा प्रकल्प साकारला आहे. पुणे पॉलिटेक्निक स्कूलच्या शर्वा शिंदे, ज्ञानेश्वर गावडे, वैजणवी देशमुख व शर्वांगी गौतम चार विद्यार्थ्यांनी युटिया डिटेक्टर सेन्सर वापरून स्वच्छतागृहातील अमोनियाचे प्रमाण ठरवणारा प्रकल्प साकारला. हे प्रमाण अधिक असले, तर तसा सिमन शाळा व्यवस्थापनाला जातो. 'सॅनिटल आवाज' कमी करण्याच्या संदर्भात देगांगी यॅंगना ऑर्किड स्कूलच्या आनय बाहेकर, अमन्युविल टिळक व आरवणी 'पिप्ले' यांनी स्पर्धेत सहभाग केला. 'स्पर्धा' आता राज्य व राष्ट्रीय पातळीवरील स्पर्धांचा विचार आहे, अशी माहिती सानेजी देसायने व 'आनंद'च्या एडिटरिन्स डॉ. कोल्हापूरचे संचय विवेक कुलकर्णी यांनी दिली.

पुढा आसरणार

पुणे : थंडीची खट आल्यामुळे दोन दिवस पुणेकरांनी थंडीचा कडाका अनुभवला. शहरात सलग दुसऱ्या दिवशी शनिवारी तापमान १० अंश सेल्सियसपेक्षा कमी नोंदविण्यात आले. मात्र आज थंडीच्या तांद्याने जेरा आसल्यामुळे सोमवारपासून तापमानात पुन्हा वाढ होईल. असा संवेत्यसर आल्यामुळे पुणेकरांना थंडीची मजा अनुभवता आली. शनिवारी किमान तापमानात थंडी वाढ होऊन १६ अंश सेल्सियस तापमान नोंदवले गेले. दुपारनंतर तापमानात पारा ३०.४ अंश सेल्सियसपर पोहोचला.

राज्यातील जेवढी तापमान नोंदविण्यात आले, तेवढेचसंख्येमध्ये नोंदविण्यात आले. महाबळेश्वरमध्ये १२.३, सांगली १४.६, सोलापूर १९.१ अंश सेल्सियस तापमान नोंदविण्यात आले. दरम्यान, पुण्यात सोमवारपासून दोन दिवस आकार अंशतः हवाळत राहणार आहे, तसेच, किमान तापमान १२ ते १३ अंश किमान तापमान २८ ते २९ अंश सेल्सियसमध्ये राहिले. विदर्भात सोमवारी सुटके टिकवणे यत्न पडणार असल्याची शक्यता हवामानशास्त्र विभागात व्यक्त केली आहे.

सर परशुरामभाऊ महाविद्यालयातील जलतणालावाचे दुर्लक्षितरूपडे पालटले आहे.

‘एसपी’च्या तलावाचे पालटले रूपडे

पुणे : राष्ट्रीय व अंतरराष्ट्रीय जलतरणपटू प्रवर्धनासाठी शिक्षण प्रसारक सरस्वती नौदो, संचय प्रा. राधिका इनामदार, उपाध्यक्ष श्रीकृष्ण विद्या न्याय दमाचे जलतरणपटू पंडितव्यासजी सखे शाहा आहे. १९५६मध्ये उभापत्त्या आलेल्या या तलावाची दुरुस्ती व नूतनीकरण ऑलिंपिकच्या धनी करण्यात आले असून, जलतरणपटूंना या तलावात विविध स्पर्धांसाठी प्रशिक्षण घेता येणार आहे. तलावाचे उद्घाटन सावित्रीबाई फुले पुणे विद्यापीठाचे कुलगुरू डॉ. नितीन करमळकर यांच्या हस्ते शनिवारी करण्यात आले.

शिक्षण प्रसारक मंडळीचे अध्यक्ष अॅड. नंदू फडके, शिक्षण प्रसारक मंडळीचे निवामक मंडळीचे अध्यक्ष

स्कुलबसच्या

ओव्हरटेक करताना

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Hackathon brings high school fixes to everyday issues

By [Sukhada Khandge](#), Pune Mirror | Jan 19, 2020, 06:00 AM IST



(L) City Pride School students scan QR codes on books with the app to pack the books according to the timetable. (R) Four girls from Pune Police Public School made a urea detector to ensure cleaner toilets
Students addressed a range of problems, from packing bags to cleaner toilets through technology

It was field day for students of classes IX-XII, who delivered one innovation after the other at a hackathon, organised on Saturday by 14C, a non-profit organisation. The objective was humble: Use the technology balm to address problems related to schools and education, along with the water conservation, environment and war. With respect to school-related concerns, students came up with mobile applications that could be operated from administrative offices.

Vivek Kulkarni, delivery head of innovation and R&D architect at Persistent Labs, who was present at the Hackathon, was impressed with the display. "Students have thought out of the box and the technology used is on a par with the engineering students. We were not expecting the complete prototype of the project, but they actually materialised their ideas," he said.

Of the 103 such varied projects, 40 were distinctive. These were displayed at Persistent Foundation on Saturday. Mirror took a glimpse at few initiatives;

Packing the bag, smartly

On numerous occasions, any given person has opened his/her schoolbag, only to find that they had forgotten to pack according to their timetable. City Pride School students, Aryan Singh, Raj Taware, Dhiraj Bora and Hardik Chaudhari, formulated an ingenious way to prevent this error from recurring by creating a mobile app. It is equipped to remind a user in case they forget their books.

The alarm was rendered by embedding the application with the timetable, followed by creation of QR codes for books. A student will have to scan these stickers before packing the books. The app will signal when the user has bundled everything for the day. In case they forget a book, the app will notify the student about the same through a message.

Taware said, "We used an app inventor to make this mobile application. Since this is a regurgitating problem faced by every student, we decided to curb it."

Sense it, clean it

A team of four girls from Pune Police Public School wanted a breakthrough system aimed at constant cleanliness of toilets. They made a urea detector — essentially a sensor that will determine the amount of urea in toilets. The device is formulated to warn the staff concerned through an LED signal when the urea level spikes, denoting need for cleanliness.

The group members, Sharvari Shinde, Dnyaneshwari Gawade, Vaishnavi Deshmukh and Shrawani Gite, claimed that they have personally felt the need for cleaner toilets and that was reason enough for the girls to raise the cause. "The sensors detect the amount of urea and relay a signal to the transistors. It is forwarded to alarm, wherein the LED glows," said Gawade.

Awaaz nichey!

In a bid to detect noise pollution, students of The Orchid School sampled the sound during the breaks, where students often congregate in different corners and indulge in banter. The team of three, Anany Bahekar, Avancesh Nisal and Shrawani Pingle, believes that it is important to gauge the noise made during recess — not that it needs to be curbed, but simply maintained.

The technology developed by students will identify if the noise level exceeds 85 decibels. In case it does, a light installed at the classroom will blink, telling students that they need to lower their voices. Pingle said, "It is important that we distinguish between bearable and unbearable sound. This technology could be used when there is no teacher in the classroom."



Popular newspapers covered the Smart School Hackathon's details. And our school's project was viewed as quite an impressive solution to noise levels at schools.

"With the flash of light, lets keep our mouth shut tight" - This was the tag line of our school students project who returned to school after an enriching experience at the Smart School Hackathon 2020 on 18-01-2020 at Persistent Systems in Pune.