



THE TIMES OF INDIA

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TODAY'S EDITION

A young boy narrates his experience when he messed up while experimenting with a gadget
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Did you know there's a story behind every idiom? Figure it out in Wizard's Corner, and much more
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Man City, Chelsea and Liverpool register victories in Premier League
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STUDENT EDITION
FRIDAY, DECEMBER 3, 2021



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Missing your loved ones? Send them a robotic hug!

As threats of travel restrictions loom large, courtesy Covid-19, scientists have come up with a novel solution: Transport you anywhere in the world 'in the body of a robot' to visit your loved ones. Yes, you read it right. Cyberselves, a University of Sheffield spin-out firm, has created an app that gives you a robot's point of view through a VR headset and handheld motion controllers. The 'telepresence' technology lets people see what the robot sees, hear what the robot hears, feel what the robot feels and move around in its body, via the internet.



According to experts, it could be used to help people visit and hug relatives, explore tourist attractions, give healthcare, and assess hazardous environments

HOW DOES IT WORK?

- 1 Human uses Cyberselves' Teleport app on their VR headset (with handheld motion controllers) or phone
- 2 Robot responds to user's movement of controllers and motion sensors in real-time via the cloud
- 3 User can see, hear and feel through the robot even if it's in another continent

Cyberselves researchers have also developed Animus, a 'universal language for robots' that allows the Teleport app to be licensed for use 'with any robot in the world'



Apart from being able to hug relatives, it allows human operators to safely carry out tasks in hazardous environments remotely

Such applications range from nuclear decommissioning to bomb disposal, offshore wind production and search and rescue operations (Source: Daily Mail)

A teen develops an app for soil identification

A 14-year-old girl from a village in Lalitpur district in UP has been ranked among the top 20 in the country in the artificial intelligence-based innovative project exhibition and award ceremony held in Delhi recently. Nandini Kushwaha has been awarded for devising a smart data-based AI tool that identifies the most-suitable crop for soil by analysing the various nutritional components present in it. A student of class IX of the Government Girls Inter College (GGIC), Nandini was inspired by her mathematics teacher, Prakash Bhushan, Mishra during the Covid-19 lockdown, when the specially devised website under the project 'Responsible AI for youth' was launched.



1 Seeing the day-to-day problems related to

skewed crop production because of poor soil quality, Nandini based her project on the issue and named it 'Mitti ko jano, fasal pehchano'

2 It is a smart data-based AI tool that identifies the most-suitable crop for soil by analysing the various nutritional components present in it. This model can be deployed as a physical soil detection tool that will help farmers to understand their soil accurately and make decisions



3 With the help of the AI project, data is retrieved from the mud for its content of nitrogen, phosphorus, potassium, temperature, humidity content, PH value and rainfall. Based on these data, the right choice of crop for getting optimal production can be predicted

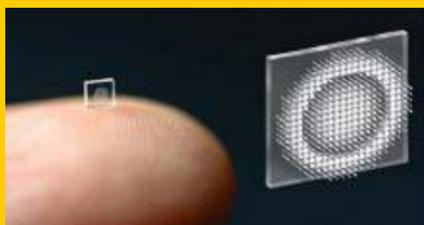
Developed. A microscopic camera, the size of a grain of salt

Researchers in Washington have created a camera the size of a coarse grain of salt. Despite being small, the microscopic camera can capture crisp, full-colour images on par with normal lenses that are 500,000 times larger.

The new camera could allow super-small robots to sense their surroundings, or even help doctors see problems within the human body.

HOW DOES THE CAMERA WORK

The tiny camera relies on a special 'metasurface' studded with 1.6 million cylindrical posts – each the size of a single HIV virus – which can modulate the behaviour of light. Each of the posts on the 0.5-millimetre-wide surface has a



unique shape that allows it to operate like an antenna. Machine-learning based signal processing algo-

rithms then interpret the post's interaction with light, transforming it into an image.



Warholm and Thompson-Herah named World Athletes of the Year

Norwegian 400m hurdler Karsten Warholm and Jamaican sprinter Elaine Thompson-Herah were named the World Athletes of the Year on Wednesday for sensational performances at the Tokyo Olympics. Warholm received the men's award for smashing the 29-year-old world record to win the Olympic final in a time of 45.94sec. His performance is widely considered as one of the greatest Olympic track performances of all time. Thompson-Herah took the women's award for achieving the sprint double at a second consecutive Olympics.

Athing Mu, the 19-year-old American, who was an impressive winner of the women's 800m Olympic title, was named the Female Rising Star



Erriyon Knighton, the American sprinter, who at just 17 years old finished fourth in the men's 200m final in Tokyo, won the equivalent men's award



There was a special award for Mutaz Essa Barshim of Qatar and Italian Gianmarco Tamberi, who shared the Olympic men's high jump gold medal in a moment that touched a nerve with the public.



The awards were decided by the World Athletics Council and more than 300,000 online voters.

'Golden Boy' Neeraj Chopra to launch PM's mission

Tokyo Olympics gold medallist Neeraj Chopra will visit Sanskardham School in Ahmedabad on December 4 and launch Prime Minister Narendra Modi's mission to spread awareness about balanced diet, fitness and sports. During his meeting with Tokyo Olympians at his residence on August 16, Modi had urged India's Olympians and Paralympians to visit 75 schools each by the 2023 Independence Day and spread awareness against malnutrition and also play a sport with school children.



The Sports Authority of India (SAI) and the ministry of education are working on running the awareness campaign as a 'Meet the Champions' programme over the next two years. The school visits by the Olympians would begin from January next year. The event will be held as part of the 'Azadi Ka Amrit Mahotsav, celebrating the country's 75th year of independence

Nicolas Cage to play Dracula in Universal film 'Renfield'

Hollywood star Nicolas Cage will play Dracula in Universal's upcoming monster movie 'Renfield'. The film centres on Dracula's henchman R M Renfield, who was a prominent figure in author Bram Stoker's cult classic 1897 novel. In the book, Renfield was a patient



in an asylum with an obsession for drinking blood, deluded into thinking he would find immortality. He bows at the feet of the vampire king, who feeds him insects and rats and dangles everlasting life in front of him. In the movie, actor Nicholas Hoult will take on the role of Renfield.

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RETHINK
Are you an overthinker? The pandemic has increased the crisis of anxiety but here's how you can stop worrying



STUDENT EDITION
SATURDAY, DECEMBER 4, 2021

#GOALS
Celebrity parents give some honest-to-goodness parenting advice

HEALTH
Juicing 101 for the health conscious

FOOD
All you need to know about Kumaoni food

ENVIRONMENT
Brush up your environment history with some trivia on

the great London smog of 1952
PLUS: Tackle these everyday toxins; QUIZ on sustainable fashion

FILMS, BOOKS

Time for some wedding movies
PLUS: Hacks to make people sit up and listen; Zadie Smith's 10 rules of writing

SPORTS
Decoding the sport of ten pin bowling



Tagoreans observe Constitution day

Students of **Tagore International School**, Vasant Vihar observed Constitution Day on November 26 to commemorate the adoption of the Indian Constitution. The school organised a number of activities for classes VI to VIII, IX and XI. Prior to witnessing the live streaming of the Constitution Day celebrations, a discussion on various aspects of the Constitution, its salient features, its significance to our present-day youth, as also an insight into rights and duties based on their understanding of the constitution, was held in each of the classes by their respective teachers.

Students of class XI had discussions on amendments made in the constitution, critically evaluated the relevance of various Arti-



cles of the Constitution in the present context and what amendments, in their wisdom, would guarantee meeting the aspirations of the people and the challenges likely to be faced by the country in future.

The students also witnessed president Ram Nath Kovind leading the celebrations of Constitu-

tion Day 2021, live streamed from the Central Hall of Parliament at 11 am. Students were also encouraged to download their certificates and to participate in the online quiz on Constitutional Democracy, launched by the president on the day.

Furthermore, the students of

classes VI-VIII participated in an Inter House competition 'Constituting the Constitution' that required them to think and come up with a much needed law in their opinion, justifying the need for the law and various aspects associated with it. This competition displayed the depth of thinking of the present day students and the commendable level of their awareness to all attendees. It was a very well thought out competition by the Students' Council of Tagore International School, Vasant Vihar commemorating the Constitution Day.

The day's activities provided an in-depth understanding of the salient features of our Constitution and would go a long way in building, in each Tagorean, a positive attitude towards it.

Communal Harmony Week at ASN

ASN Senior Secondary School, Mayur Vihar, Phase I recently celebrated the virtual culmination ceremony of the Communal Harmony Week 2021. The chief guest of the day was Dr Indrajit Majumdar, joint secretary cum finance officer, National Foundation for Communal Harmony, NFCH.

The main aim behind the week long program was to promote unity in diversity and feeling of oneness and harmony amongst people. Plethora of online activities were conducted during the week which were then showcased in the program. The program took an auspicious start with the lighting of the lamp followed by 'Ganesh vandana'. Children presented their thought through self-composed poems.

School principal Swarnima Luthra gave a hearty welcome to the



esteemed guests of the day. She lauded the efforts of the children and urged them to walk on the path of peace and righteousness. Dr Indrajit Mazumdar, chief guest of the day appreciated the students for their performance. He in his address said that education is the most important tool which enlightens us to see everyone with the same eye. A vote of thanks was proposed by Sushma Kalia, school coordinator.

VNS organises funfair for kids

Vidya Niketan School, Faridabad organised a funfair on its premises on October 30 with the theme of exemplifying Rajasthani culture and tradition. The little cherubs had great fun relishing different fun activities. During the event, parents were also engaged in it one way or the other.

The invitees were welcomed with a 'tilak' to give it a great opening. There were different activities to evolve a child's creativity, boost imagination and imbibe self-confidence like 'Doll up your mother', 'Impression art with vegetables', 'Clay modelling', and 'paper folding'. Children got a real sense of happiness while doing all these activities.

On the other corner, dance and song performances were further portraying Rajasthani culture. The main spotlight of



the event was the 'Puppet Show' which was successful in acquiring the attention of the audience.

The overall response of the fair attendees was great. Their precious feedback made the program a victorious one. The president of school management committee Indira Lohia and the principal Alok Varshney congratulated and appreciated the efforts put in by the teachers.

'Stories We Never Tell'- Second anthology by Basavites



Basava International School, Dwarka unveiled yet another anthology of its students on November 20 at Shelvebook in D21 Pacific Mall, titled 'Stories we never tell'. The book comprised original stories written by students of Basava which they developed during their course of the Young Authors Program. Principal Dr Manimala Roy, Sakshi Jain of Young Author Program along with the mentors Rinku Paul and Dipankar Mukherjee, founder of Readomania graced the occasion.

'Stories we never tell' is an engrossing anthology of 11 tales written by young authors exploring a whole range of human experiences and the many dilemmas of life. Each story in the book is a reflection of the author's mind, woven deftly into stories that entertain and educate.

The students took pride in getting their stories published and becoming published authors. Dr Manimala Roy, the principal congratulated the students on their achievement and told them that they had made the school proud.

Modernites: Innovators of tomorrow

Modern Public School, Shalimar Bagh won the School of Innovation Award for maximum participation at India at 75 Youth Ideathon 2021 held at IIT Delhi on November 20. The event witnessed the participation of schools across the nation.

The chief guest for the



event was V Ramgopal Rao, director, IIT Delhi. Modernites were acknowledged

for their courage to lead and innovate. It was indeed a great platform to encourage all the budding entrepreneurs.

The school is grateful to principal for giving wings to the dreams of the children by giving them opportunities to explore and participate in such prestigious ventures.

NCC day celebration at Ryan

National Cadet Corps Day was celebrated with great earnestness by the cadets of **Ryan International School**, Sohna Road, Gurugram. The School Principal, Peeya Sharma planted saplings on the auspicious occasion along with committed and devoted cadets of the school as a contribution towards environmental conservation. Cadets of the school took a pledge to work towards upholding the unity of the nation.



Student Corner



RISHITA BHARDWAJ, class V-A, DAV Public School, Faridabad

PINK THOUGHTS

A girl wearing a skirt just passes by, nobody except you makes her feel shy. She feels conscious of herself due your act, it was not an opportunity for rape attack. A girl walking alone on the street, for some she is a feast. Learn the meaning of the word 'no' When she says it, she means it too Respect the women of the country She symbolises love, hope and integrity. She is somebody's mother, wife and sister Try to control your instinct mister.

Ridhimma Ranjan, class XI-E, The Air Force School, Subroto Park

When my hairstyle made me a laughing stock



Our life is filled with memories which brings up different emotions, some are sad while some are funny and happy. During the Covid-19 lockdown when all shops were closed my father bought a hair trimmer. He had kept

it for charging and went out. I was so curious about the new device that I decided to test it myself. I switched it on and placed it on my head and before I could even think I had trimmed off a big patch of my hair from the centre to the left side. I got so scared that I hid the trimmer under the cot and lay down on the bed and slept off.

After a while my mother woke me up shocked. I tried to lie but had to admit my mistake when my mother found the

trimmer and strands of hair on the floor. My parents scolded me badly, but they too couldn't stop laughing seeing my head.

Next day during my online class all started laughing seeing me which made me cry. For many days I had to wear a cap to hide my head until my father bought a barber home to cut my hair. Even now all laugh thinking of that day when my curiosity gave me a new hairstyle.

ATHARV SURAJ, Class IV, Gregorian Public School, Maradu, Ernakulam

Achieving goals

The students of **Prince Public School**, Budh Vihar participated in Zonal Athletics 2021-22, organised by the CBSE and won accolades for the school. **Rahul Solanki** of class XII, won a gold medal in shot put throw as well as in javelin throw. **Kanak** of class XII, also added another feather to the cap by winning a gold medal in shot put throw and a silver medal in discus throw as well as javelin throw.



SAFER INTERNET DAY

Ryan International School, sec 40, Gurugram has always been presenting informative and educative activities to ignite the young minds and give them the confidence to think beyond. Following this, Ryanites celebrated 'Safer Internet Day' with the aim of inspiring a national conversation about using technology responsibly, respectfully, critically and cre-



atively. The Young Ryanites were very enthusiastic to make the students aware of the pros and cons of internet. JAM and debate activities were presented in a well-planned manner where the speakers spoke about the ways to use internet safely. The main aim of the activity was to educate everyone about use of internet in a limited and safer ways.

School head **Shivali Sharma** appreciated the efforts of the students and encouraged them to follow safety steps while using internet.

IF I WERE A BUTTERFLY



I am a kind, cheerful and delicate butterfly. My name is Sparkle. I have beautiful wings, curly antennae and stripes all over my body. I live in a beautiful garden. The garden has many colourful flowers, fruits and vegetables. I love to eat the nectar from the different flowers in the garden. I was first in a small egg, then came out of it as a caterpillar, grew out to become a big fat caterpillar then a cocoon and finally the Sparkle who I am now.

I play with the marigolds in the garden. I play hide and seek with my friend Shiny, Swiley and Slimby in the cabbage patch. Shiny wins the most as she hides the best than us.

In the garden, there is a big mango tree. The nectar in the mango tree is too yummy. One day we moved to a near-

by city to explore. There were tall buildings in the city. But there was no tasty nectar and we could not play. Finally, we saw a big neem tree in a school and became happy. We went there and saw many children playing. The children gathered around us and enjoyed seeing us.

We thought the children had not seen a butterfly before. How sad it was. We had planned to enjoy one week in city life but we couldn't. We tried to adjust ourselves to city life but we couldn't. So the next day we went back to our garden and shared all about the city with the flowers, trees and plants there. The mango tree said, "Everyone's house is his own palace". Every one agreed. Hooray we could enjoy the nectar from the mango tree in our palace.

V.SRINIDHI ATHITHAN, class III, Maharishi Vidya Mandir Senior Secondary School, Chetpet