

# JUANEXT

A MONTHLY E-NEWSLETTER BY  
JUANA TECHNOLOGIES

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## HIGHLIGHTS

- **Trivia Today:** Your monthly dose of less known facts about technology!
- **The Top Five:** Among the schools enrolled with us under Microsoft Aspire School Program (MASP), the five most active schools on the Microsoft's platform are listed here! Congratulations to all the teams!
- **Showstopper's Message:** Where the school leader of the school on top of the list speaks!
- Microsoft Aspire School Program (MASP): Stories from the project
- **Microsoft Clubs**
- **Students Speak:** Stories and submissions from Microsoft Clubs (MASP)



Mr. Vaibhav Kapoor, Principal, Ajanta Public School

## TRIVIA TODAY:

### RUSSIA BUILT A COMPUTER THAT RAN ON WATER: IN 1936

Before the miniaturisation of transistors, computers had a much more visible system of counting: things like gears, pivots, beads and levers were often used and they needed some sort of power source to function. Vladimir Lukyanov built something like this in 1936 but he used water to create a computer that solved partial differential equations. Adjusting taps and plugs altered the flow of water (and changed variables) while the end result was seen by measuring the level of water in certain tubes. It was also called a Water Integrator and was originally designed to solve the problem of cracking in concrete. It's now found in Moscow's Polytechnic Museum.

## THE TOP FIVE

- Ajanta Public School
- STS World School
- Venkateshwar Global School
- Bluebells School International
- ASN Sr. Sec. School

## SHOWSTOPPER'S MESSAGE

Mr. Vaibhav Kapoor, Principal, Ajanta Public School: Being a Microsoft Showcase School, Ajanta Public School has framed its curriculum with technology at its core. The institution's journey with Microsoft over these 3 years has been incredible. Microsoft tools like One Note, Sway, Forms have been the friendliest teaching-learning tools for our teachers and students. The face of teaching methodology has undergone a sea-change with the inclusion of Minecraft, AI and STEM. The students chosen by Microsoft for Edu Days' Minecraft Competition carried home a rich experience. Even for myself, being a panelist in the Edu Days was never-the-less a big milestone. Pioneering usage of technology in my institution I've experienced triumphant result through the successful endeavors of my students. It's an appeal to all leaders that it's pertinent to foresee the future challenges and armor your students with these latest technological tools.



Team Ajanta Public School

# KARO SAMBHAV

E-waste is defined as “electrical and electronic equipment, whole or in part discarded as waste by the consumer or bulk consumer as well as rejects from manufacturing, refurbishment and repair processes. The E-Waste (Management) Rules, 2016 supersede the E-Waste (Management & Handling) Rules of 2011. The rules came into effect in October 2017. As per the mandate, the rules apply to every “manufacturer, producer, consumer, bulk consumer, collection centres, dealers, e-retailer, refurbisher, dismantler and recycler involved in manufacture, sale, transfer, purchase, collection, storage and processing of e-waste or electrical and electronic equipment. The mandate lists down in detail responsibilities of various stakeholders involved with electronic products from its manufacturing stage to its recycling stage and thereafter.

## E-Waste in India

Waste from electrical and electronic equipment (WEEE or e-waste) is one of the largest growing waste streams in the world. The Combined Annual Growth Rate (CAGR) of e-waste generation is estimated at 30%. According to Global E-Waste Monitor 44.7 million metric tonnes of e-waste was produced in 2016. This is an equivalent of almost 4,500 Eiffel towers. India is the fourth largest producing country of e-waste and generated nearly 2 million tonnes in 2016. Only 20% of the e-waste of global e-waste is recycled and in India less than 2% of e-waste is responsibly recycled through formal channels. To tackle the issue of severe health and environmental impacts resulting from manual recycling operations, India came out with the E-waste (Management and Handling) Rules, 2011. An amendment to these rules resulted in E-waste (Management) Rules in 2016. The 2016 rules were based on the concept of Extended Producer Responsibility and set clear targets for producers to fulfill their obligations. It is in these rules that provisions for a Producer Responsibility Organisation were first made. Following another amendment in March 2018, PROs are now also required to get an authorisation from CPCB.

## NOVEMBER'S UPDATES

- First Round Sessions
  - 21/11: Bhuwaneshwara
  - 22/11: Goa
  - 29/11: Kangra
  - 30/11: Pondicherry
- Second Round Sessions
  - 4/11: Hyderabad
  - 13/11: Raipur
  - 16/11: NOIDA
  - 16/11: Karnal
  - 28/11: Surat



*Team Juana Technologies at Goa for the First Round Session, Karo Sambhav*



*Team Juana Technologies at NOIDA for the Second Round Session, Karo Sambhav*

# MICROSOFT ASPIRE SCHOOL PROGRAM

## GLOBAL LEARNING CONNECTION TO GLOBAL QUALITY LEARNING

*Team ASN Sr. Sec. School*

ASN Sr Sec School enthusiastically participated in **Global Learning Connection**. During this connection (formally known as Skype-a-thon) connected with **Ms. Rachna Nath** Microsoft Leader Bangalore, with **Xavier Ateneo de Cagayan Grade School Philippines**, with **Bluebells International School** with **Presidency School Bangalore**, with **Ms. Jyoti Gurgaon**. The team through this virtual journey traveled 5300 virtual miles! Distance is just a word when the intention is connection!

A sincere thanks to Microsoft for making teaching learning possible beyond the four walls of classroom.



*Team Ajanta Public School conducting online classes on days schools in Delhi NCR was closed due to pollution.*



*Team ASN Sr. Sec. School (Mayur Vihar) connecting globally, through Microsoft's Global Learning Connection*

## THEY'RE LIVING OUT OF THE BOX!

*"If there is willingness, learning knows no bounds." - Team Ajanta Public School*

Ajanta Public School, Sector 31, Gurugram carried out virtual teaching through Microsoft Teams, given to the students on the two holidays (4th & 5th Nov'19) when schools in Delhi NCR were closed due to extreme pollution in the city. The students appreciated this move by their Rev. Principal **Mr. Vaibhav Kapoor** as they benefited from the technology while having regular classes from home.

The initiative clearly shows how Team APS does not compromise on students learning. Through this innovation, not only elements of academics were conveyed, but also a lesson on innovation, creativity and commitment!

# MICROSOFT ASPIRE SCHOOL PROGRAM

## EVOLVE WITH THESE TECHIES!

Team Venkateshwar International School, Dwarka

VIS Tinkering Lab hosted its first-ever **Robotics and Drone Racing Competition** on 16 November 2019 to motivate young technocrats to innovate and conceive new ideas for future technologies. The competition was held in several categories and saw some of the brightest whiz kids from around 9 schools of Delhi/NCR. The events ranged from a Drone Hurdle race, Robbo soccer, Architecture, and Bizz-kidz. The event witnessed an outstanding exposition of talent and creativity as young aspiring IT professionals displayed their **“Tech-knowledge”** in different categories.



Team VIS Dwarka celebrating Evolve 2019



Ms. Komal Arora at EduDays, celebrating experience!

## CELEBRATING EXPERIENCES!

Komal Arora, ASN Sr. Sec. School

**EduDays** is a wonderful platform to showcase innovative Projects, It is an amalgamation of creativity and Technology. This year too I was fortunate to be a part of Microsoft Edudays on 19th and 20th November 2019 and got the theme Instilling Happiness and Self Esteem among young learners.

I owe my heartfelt gratitude to **Microsoft** and **Team Juana Technologies** for the technological upgradation which has helped me to be the winner for the second time in the row.

"It was a great opportunity for me to work with teachers of different school and to participate in the Mega Event. The project taught us how we can teach complex topics to children in a simple manner with the help of technology. I thank Microsoft for giving us the opportunity to participate and be a part of this Mega Event. Looking forward to more such opportunities." - Namrata Vashisht, Gyan Mandir Public School on EduDays.

## VIRTUAL MILES FOR REAL JOURNEYS

*Team Venkateshwar Global School*

The students of Venkateshwar Global School traveled more than 8,000 miles and experienced the culture of Nigeria and many other countries from the very comforts of the school. This was undertaken as a part of the much awaited **#Microsoft Global Learning Connection** with the above-mentioned countries on November 6, 2019. They showcased their culture before the teachers viz **Ms. Okpala Uche** from Nigeria, **Mr. Mostafa Abdelkawy Eldsoky Gad** from Gulf, Middle East, and their students. Students and teacher, **Ms. Nadezhda** from Russia joined to view VGS students' showcase their skills and culture of India through an energetic folk dance from Kerala. As Christmas is approaching, the students of VGS also sang a carol. One of the guest countries, Nigeria, also showed their culture through a dance performance which was amazing. Platforms like these are often used by the Microsoft schools to widen the experiences of students and to help them gain a worldly perspective!



*Team VGS during Microsoft Global Learning Connection*

## MICROSOFT ASPIRE SCHOOL PROGRAM

### SKYPE MIGHT BE THE FUTURE!

*Team Venkateshwar Global School*

A session was organized for students of Class 9 on October 30, 2019. Through Skype Ms. Okpala Uche Lin, a teacher from Daura, Africa taught the students about Wakelet, a multipurpose app which helps to save, organize and share content from across the web. This app, being present on Microsoft Office can be easily accessed by the students. Images, videos and QR codes from personal collection and also from varied social media platforms namely, You tube, Facebook, Twitter etc. can easily be added to the collections. The 'Section' column in Wakelet helps in keeping files in an orderly and organized manner. The Wakelet app also provides a platform to young bloggers to showcase their writing skills. Wakelet collections can easily be shared on Microsoft Teams.

Moreover, Ms. Lin also entertained various doubts of the students regarding her culture. She talked about the kinds of dresses worn and the dances of Africa. The students also told her about their culture and suggestions for cleaner and paper free schools. Overall, the session was very lively and knowledgeable. We look forward to more such like enlightening sessions!



*Team VGS conducting Skype for Wakelet session*

# MICROSOFT ASPIRE SCHOOL PROGRAM

## A WINNING HAT-RICK!

*Team Venkateshwar International School Dwarka*

Microsoft India hosted its Annual MIE Expert and Showcase School Leaders' Meet – “**EduDays**” on 19-20 November 2019 at Westin, Gurugram. The meet aimed to share best practices, to facilitate collaboration among participating schools and to engage with opportunities that will lead to transformational learning scenarios. **Ms. Puja Shah**, TGT (Computer Sc) and **Ms. Shivani Rawat**, PGT (Phy Edu) were selected to participate from 1200 educators across India. Ms. Shah bagged the first prize for her project “Play and Learn in G-land” on the theme “**Learning by Gamifying**”. The project focused on inculcating Gandhian values in students through gamification. This is the **third consecutive year** that a VIS teacher has won at Microsoft Edudays!



*Educator, VIS Dwarka posing with Dr. Vinnie Jauhri (L) on EduDays 2019.*

**VIS** has always endeavoured to make a difference in the teaching learning pedagogy through great use of technology. With the guidance of Juana Technologies, VIS teachers make extensive use of O365 tools – OneNote, Kahoot, Minecraft, Forms to enhance learning experiences. AI is also taught under the aegis of Atal Tinkering Labs. From time to time VIS organizes various events to enhance student creativity and technical skills. Such events were held in October-November 2019. - Team VIS

"Office Sway is a presentation program and is a part of the Microsoft Office family of products. It allows users who have a Microsoft account to combine text and media to create a presentable presentation. Users can pull content locally from the device in use, or from internet sources. Other programs, however, did not include a method for hosting presentation the way Sway does. That is why we have incorporated the tool in our classes." - Ms. Hina Gupta, Faculty, Computer Science, Titiksha Public School.

## TECHNOLOGY FOR CHANGE

*Swarnima Luthra, Principal, ASN Senior Secondary School*

"We are witnessing an era of most modern innovations and technologies. A virtual and augmented reality will change the educational landscape and multiple learning styles will evolve. This will result in a metamorphosis of the classroom and teaching methods. I appreciate Microsoft for bringing such innovative apps to the classroom. I strongly believe that Microsoft will be coming up with competitive, resourceful and the most progressive technology at par to cater need of all stakeholders. Juana Technologies assists us with lots of technical training and has always been a great support. My complete staff is on Microsoft Educators Community and utilizing the resources and courses available to them.

I also hope that this technological advancement can unite the world to promote sustainability of the globe and give a common platform to the custodians of this earth to attain United Nation Sustainable Development Goals."



# MICROSOFT ASPIRE SCHOOL PROGRAM

## THANK YOU MICROSOFT!

*Jyoti Arora, Principal, Mount Abu Public School*

"I, the principal Mount Abu School feel proud to say that Microsoft has made me an **Microsoft Innovative Educator Expert**. I feel delighted that today my students are enjoying learning using Minecraft, wherein Wakelet is a wonderful tool that has made the students get involved in their tasks with utmost interest. I have seen students creating wonderful videos, images and links on their own. Even **"Microsoft Teams"** has helped us to connect with each other better and disseminate the message. My teachers and students are able to communicate one-on-one and in groups for sharing the important messages regarding, assignments and important announcements which has bridged the gap among the members of the school. The spirit of collaboration with which they work together is certainly commendable. Thank you Microsoft!"



*Jyoti Arora, Principal, Mount Abu Public School*

## REMEMBER TECHNOVANZA?

*Team Bal Bharati Public School, Gangaram*

In the last newsletter we had requested your participation in **Technovanza 5.0**, our Mega Technology Event. We are pleased to announce that the event, held on 22-Nov-2019, was a huge success with the participation of approx. 20 schools for 4 offline and 2 online events on the theme "AI in Education". For two of our offline events, we used Microsoft Word to design a poster and newsletter respectively. For one of our online events, we used Microsoft PowerPoint for creating presentations. The judges were eminent personalities from the field of Education and Technology having a rich experience across various IT domains. They were pleasantly surprised to see the students, ranging from Class 3 to 11, making use of both standard and unique features of Word and PowerPoint. While our school stood first in two events and second in one event, as per policy of the host being non-competing, the positions were passed on. However, no team could be judged less than the other as all of them had outstanding ideas and used Microsoft tools creatively. We would like to thank all the participating schools and students for making this event successful.



*Technovanza 5.0 at BBPS Gangaram*

# MICROSOFT ASPIRE SCHOOL PROGRAM

"It was indeed a wonderful experience attending EduDays organised by Microsoft on 19th Nov 2019 at Gurgaon. It was a great learning for us to see students and educators making extensive use of Microsoft O365 tools along with third party apps like Flipgrid, Minecraft , Immersive Reader etc. I look forward to a great journey ahead to empower my staff and students with 21st Century Learning tools provided by Microsoft." - Vimmi Jolly, Principal, Saffron Public School.



## IMPORTANT DATES

- 2 December - National Pollution Control Day
- 10 December - Human Rights Day
- 10 December - Children's Day of Broadcasting
- 11 December - UNICEF Day
- 14 December - World Energy Conservation Day
- 22 December - National Mathematics Day
- 24 December - National Consumer Rights Day
- 25 December - Christmas Day



## WELCOME ABOARD!

- Green Field Sr. Sec. School (Nagrota Bagwan, Distt. – Kangra (H.P.))
- Navrachana International School (Vadodara)
- Navrachana School, Sama (Vadodara)
- Navrachana Vidyani Vidyalaya (Vadodara)

## SAFFRON MIGHT BE THE COLOR OF PRIDE!

*Dr. Saneepa Sood, Principal, Saffron Public School*

It is great honour for the school to advance from being a Microsoft Aspire School to a Microsoft School which is a clear indicator of the zest and enthusiasm shown by the school to imbibe Microsoft in its day-to-day functioning. Thousands of schools across the globe thrive for this collaboration to learn from each other and Saffron is a proud recipient of the title of being a Microsoft School. I, the Principal, Dr. Sandeepa Sood am myself an MIEE (2019-20) and understand the requisite and relevance of heading a technologically sound and updated school... The use of technology in and beyond the classroom facilitates an extensive learning process. This is done by intergrading various skills set that increase learning levels and here at Saffron Public School, we are proud to be a certified partner of Microsoft... We look forward to sharing our experiences with other schools in our district, community and the world to continue finding innovative ways to equip our students with the proper tools needed for success inside and outside of the classroom.



*Dr. Sandeepa Sood, Principal, Saffron Public School*



# MICROSOFT CLUBS

## WELCOME ON BOARD!

Juana Technologies congratulates the the following schools on creating their Microsoft Clubs! Teams, you deserve an applause!

1. ASN Senior Secondary School
2. Bal Bharati Public School, Brij Vihar
3. DCM Presidency
4. Gyan Mandir Public School
5. Mount Abu Public School
6. Rayat International School
7. STS World School
8. Titiksha Public School
9. Vikas Bharati Public School

**YAY!**

## MEET THE TEAMS!



*ASN Sr. Sec. School*



*Bal Bharati Public School, Brij Vihar*



*Mount Abu Public School*



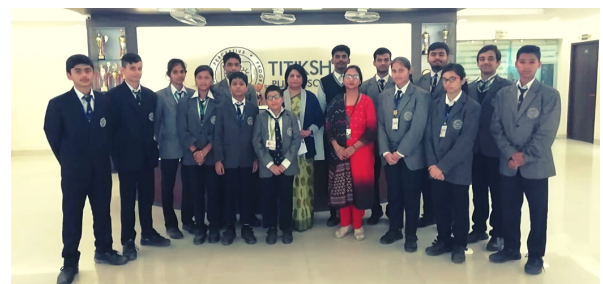
*Gyan Mandir Public School*



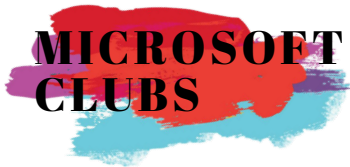
*STS World School*



*Rayat International School*



*Titiksha Public School*



# STUDENTS SPEAK

## HOW HAS TECHNOLOGY CHANGED YOUR LIFE IN THE LAST 3 YEARS?

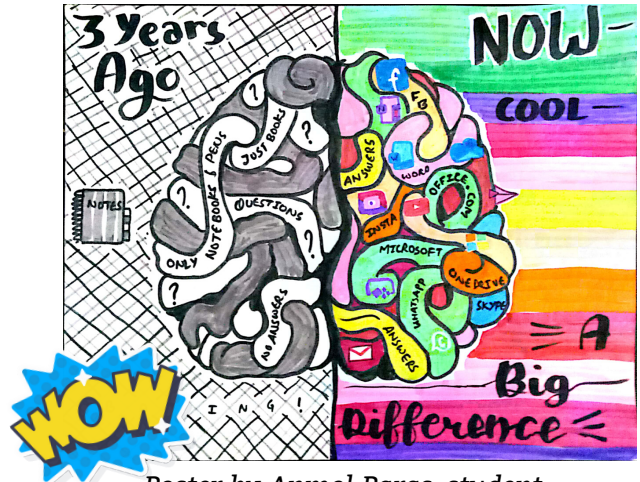
**Lakshika S, student, Class XI  
Mount Abu Public School**

"Technology has been a great blessing, when it has been used to aid the efficiency and accuracy of a process. It has been used in areas where man had failed or found it extremely difficult to achieve or execute complex tasks, in the yesteryears. Medicine, engineering, military uses, agriculture, infrastructure... ..you name it, technology has played a stellar role. Yes, to that extent, technology has been a big boon to man."

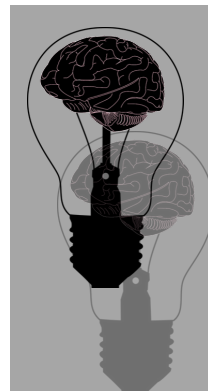


**Parkhi Saini, student  
ASN Sr. Sec. School**

A lot can change in 3 years in the field of technology and we all know that as we feel it upgrading day by day, month by month and year by year. Technology has made our lives much easier than before. The work we used to do in hours now can be done in a minute without much efforts. Microsoft is putting the best efforts in making every tough task possible. Tools like Kaizala, Teams and elements like Artificial Intelligence, and the fact that these are accessible to us today, is creating a kind of a revolution in its own! I am nothing but glad to be living in this time!



Poster by Anmol Paras, student,  
STS World School



**Ruhan Saini, student  
STS World School**

If we talk about the modern world, many of us could not even imagine a single day or a minute without checking mobile phones.

We are so addicted to Facebook, Instagram and Snapchat that we used to put every other detail from what we have eaten to what we are doing, on social media channels. And, why not because technology has given us the platform to spread our voice in no time. The amount of information being shared on social media networks is phenomenal. As time goes on, we use and rely on it more and more and less on traditional methods. I wonder, what the future holds!

## MICROSOFT CLUBS

### **Rohan Raj, Mount Abu Public School**

Technology revolving all around our life,

We are the bees and network are hives,

From east to west and north to south,  
Technology is a human and we are his mouth.

Some pass their day... day, so long,  
By watching movies and listening to song,

Technology is a boon it's not a curse,  
But... it's addiction could be very - very worse.

Opening young minds and creating innovation,

Everything is based on technological fashion,

It's saving our time... yes, our precious time,

It help us from avoiding wasting paper and line,

Technology is nice it's really a boon...

But one day we might become its subject soon.

This all I have about Technology...

It's not a single thing it's complete psychology.

### **Randeep Singh, STS World School**

Modern technology has paved the way for multi-functional devices like the smartwatch and the smartphone. Computers are increasingly faster, more portable, and higher-powered than ever before. With all of these revolutions, technology has also made our lives easier, faster, better, and more fun.

## STUDENTS SPEAK

HOW HAS TECHNOLOGY CHANGED YOUR LIFE IN THE LAST 3 YEARS?

### **Khushi Uppal, STS World School**

I wake up each morning, when my android makes noise. Technically speaking, he's just one of my toys.

Call me lazy, but I try to save time. Microwaving my breakfast, is not a real crime.

Before I dance, with my electric toothbrush. Straight for the inbox, I dive in a rush.

With the click of a mouse, I outsource my work. Through Amazon reviews, I search for my perk.

I won't wait for weeks, demand it today. Another PS3 game, I can't wait to play. I attempt to snap out, from my wired realm. It seems like technology, is right at the helm.

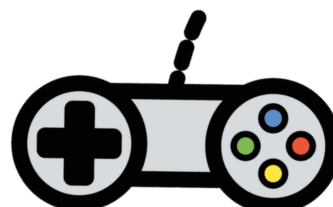
I drive half a block, to the grocery store. Technology is friendly, and opens the door.

I finally use my dry mouth to speak. I'm definitely rusty, and sound like a freak. Why can't they get a robot, to slice the meat. My disappointment, I eagerly tweet.

At the checkout, I have a clear choice. Use a human or a machine with a voice.

I return to my office, my game has arrived. My ancestors were truly, technology deprived.

**"The biggest change that technology has brought in my life is the online multiplayer mobile gaming now you can play games like PUBG(player unknown battleground) and fortnite with your friends from anywhere around the world from your phone and you can even communicate while playing." - Harpinder Singh, STS World School.**





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