

# 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!
- **India Innovate:** Stories from the project
- **Karo Sambhav:** Stories from the project
- Microsoft Aspire School Program (MASP): Stories from the project



*Ms. Gill, Principal, STS World School*

## TRIVIA TODAY:

### EMAIL EXISTED BEFORE THE WORLD WIDE WEB!

You probably don't even think before composing a one-line email message and sending it. But it wasn't always so easy. There's an interesting clip on YouTube: "How to send an Email - Database - 1984". This was from a tech TV show called Database and the presenters demonstrated what it took to actually send an email back in those days.

You had to use a computer and a rotary telephone to connect to a service called Micronet. This was pre-WWW, so there were no URLs, just numbered webpages. For emails, the webpage number was 7776.

## THE TOP FIVE

- STS World School
- Ajanta Public School
- Venkateshwara Global School
- Bluebells School International
- Mount Abu Public School

## SHOWSTOPPER'S MESSAGE

**Ms. Prabhjot Gill, Principal, STS World School:** I was contemplating how to make my students future ready for jobs yet not invented when Juana Tech entered my life with an answer! I was looking for innovative solutions to make learning fun when I found Office 365! Today, my students are enjoying learning through 'gamification'. They have been so quick to understand and use Flipgrid, Minecraft and Kahoot. Teachers are collaborating with educators across the globe through Skype sessions. Classrooms have become connected. There is such excitement when my students see other students and teachers from Russia, America, Spain, Egypt & other countries Learning was never so much fun! Thank you Juana Tech, thank you Microsoft!



*Team STS World School (R)*

# INDIA INNOVATE

India Innovate is an **international STEM competition**, where students work with Rocket Motor cars & Air Gliders. This **Fun – Win - Learn Competition** is India's first Model Rocket car and Air Glider competition. The competition started in England in the year 2015 and has traveled to countries like Wales, Scotland, Hongkong, U.A.E., China, Vietnam and is being introduced in 2019 in India, Malaysia and Spain. The Competition consists of **2 programs: Fly To The Line** - Classes 4th & 5th & **Race To The Line** - Classes 6th - 10th. The Competition is spread across 3 Rounds School Qualifiers, State/Regional Qualifiers and National Finals. Students stand a chance to edge their & schools name in history by creating a new Guinness World Record.

## Race To The Line

**Race to the Line** is the largest team-based STEM (Science, Technology, Engineering and Mathematics) competition on earth with more than 1,45,000 students designing, building & racing rocket model cars. Students design, build, test and race model rocket cars using modern materials and techniques. Teams develop, apply and master their understanding of the laws of motion, forces, aerodynamics and coding in this challenge that covers all elements of combined STEM subjects. Students will use rockets to launch their cars in Regional & National Finals, at school they will be using an air pressure pump, giving them insight and understanding of, effects of different forces to power a car. The programme promotes coding using the BBC Micro: bit, enabling students to develop a precision timing solution to measure the performance of their cars. Much like a tiny, pocket-sized computer, the BBC micro:bit encourages kids to learn basic coding and programming skills to prepare them for today's tech-savvy world.

- The students are divided in two sets of classes 6th to 8th & that of classes 9th & 10th, each team consists of 4 students.
- The top two teams of the school from each set proceed further to represent their school at the Regional Level.
- The top 4 performing teams and the team with best popular design move, to the National finale in Delhi.

## Fly To The Line

Our young minds of Class 4th & 5th use their imagination, creativity, innovation and concepts of science in designing the glider in team of 3. The gliders designed by the teams are flown and raced through launchers. The glider that fly the farthest wins the competition. Students design gliders and understand concepts like aerodynamics and effects of wind and air pressure in fun & exciting way. Understand what the main parts of a glider, the different forces that act on gliders, d the correct terms to describe how gliders and aircraft move and turn, how wings moving at a slight angle can make 'lift', how control surfaces can guide where gliders go.

- The students are divided in teams consists of 3 students, each.
- The top two teams of the school proceed further to represent their school at the Regional / State Level
- The top 4 performing teams and the team with best popular design move, to the National finale in Delhi

This STEM Challenge is developed to meet the needs for the development of students, with a focus on educational outcomes & employability traits within 21st Century Skills and Lifelong Learning. The World Economic Forum published their New Vision for Education in 2015 which introduced a series of 21st Century Skills designed to be an integral part of the student's journey in developing capabilities to collaborate, communicate and problem-solve

# KARO SAMBHAV

Karo Sambhav translates into 'Make Possible' and as India's leading **Producer Responsibility Organisation** (PRO) is steering the way e-waste is managed in this country by putting accountability, transparency and trust in the system. Team Karo Sambhav is working countrywide with producers and globally trusted brands like Apple, Dell, HP, Lenovo and HMD to implement their **Extended Producer Responsibility** (EPR), helping close their material loop. From making robust EPR plans to staying compliant throughout, from running awareness campaigns to setting up collection channels, collecting waste and sending it for responsible recycling, the team always makes sure that their producers get the most comprehensive and accountable EPR service in India.

At the heart of Karo Sambhav's approach is a relentless conviction to create inclusive, sustainable, scalable and transparent systems for e-waste handling in India, that creates equitable opportunity and fair value for every stakeholders in the value chain. An innovative and data backed tech platform, along with a country wide grass-root driven ecosystem connects all the stakeholders into an integrated formalized e-waste management chain and is enabling waste management into an environmentally conscious and sustainable industry. Karo Sambhav is present across 29 states and 3 union territories in India through various initiatives. Partnering with us in this initiative is the **International Finance Corporation** (IFC) which is part of the World Bank group. Together we are setting up a robust India-wide transformative solution on e-waste management with the aim of making recycling a way of life.



*Team Karo Sambhav and Juana Tech at Gwalior, organizing an e-waste management awareness training with teachers.*

## VISION

Karo Sambhav is driven by fairness, trust, accountability and a strong passion to bring a paradigm shift in e-waste (waste) management in India. We have started with e-waste and harbor ambitions to apply our learning, practices and systems to cover varieties of waste categories. Karo Sambhav is affecting an attitudinal change cross-sectionally in the society and endeavors to bring a culture of responsible and cohesive waste management as a way of life.

## OBJECTIVES

- Drive long-term behavioural shifts in the society on circular economy
- Create collection channels at a grass-root level while generating sustainable livelihoods
- Achieve collection targets & drive accountability in the e-waste management industry

## OCTOBER'S HIGHLIGHTS

- Conducted one **Induction** (Stage/Round 1) in Gargi Girls' School, Meerut to conduct a 2-hour awareness seminar for teachers.
- Conducted two '**Best Practice Workshops**' (Stage/Round 2) in Delhi and Gwalior where participants from various schools presented their work through various forms of art!

## GYAN MANDIR PUBLIC SCHOOL CELEBRATES MICROSOFT!

*Akash Jha, Class 12 student*

In 2019 no one likes slow; we all live a 24/7 running life and especially a student can't afford lagging in this competitive society. Now with the help of Microsoft tools my life has become so easy, now in our school, teachers use **OneNote** for sharing assignments and notes and students too submit assignments using OneNote. We have regular **Skype** sessions where our teachers teach us in an interactive manner using **PowerPoint Presentations**.

We make PowerPoint Presentations for our projects; we also use **MS Excel** and **MS Word**. To make class more attractive we do daily quizzes using **Kahoot**. Parents and teacher interactions has also become very easy as now teachers get feedback from parents and vice a versa. Using **Microsoft Forms** our school always strives to make the school system better and learning easier by taking the considerations and feedback from all those who visit our school using Microsoft forms.

Our students interacted with people from Norway and Sweden using **Yammer** to talk about their culture and education system. We have also discussed about some global problems like global warming, deforestation etc through the same platform. Our school has also **backed 3rd position in GEC** and Microsoft tools have proved to be of great use to us. We were able to express our project idea in a great and easy way using Power Point Presentation.

**Thank you Microsoft!**

# MICROSOFT ASPIRE SCHOOL PROGRAM



*Team Gyan Mandir won the first prize in Global Enterprise Challenge (GEC)*

## TEAM GYAN MANDIR SHINES IN SEATTLE!

*- Mishba, Muskan and Piyush*

We are obliged that Microsoft gave us an opportunity to visit them at Microsoft in Seattle, USA. So, our journey began with the motive of winning. Our company "Smoothie Crown" secured first position in Global Enterprise Challenge. The USP in our product was the "HERBS". We displaced artificial flavours with natural ingredients to increase its nutritional value. Not only this we converted the natural leftovers into the manure and used it in the herbal garden. Many Microsoft applications also helped us in this project like Yammer, MS PowerPoint, Outlook, Skype etc. We interacted with students across the globe using Yammer. We got our projects through Outlook. We had interactive Skype sessions with our teachers and judges. We prepared our presentations with MS PowerPoint.

This was a whole new experience that opened our doors of opportunities, made us think out of the box.

## TAKING SPEED TO SUCCESS!

*Team Bal Bharati Public School,  
Brij Vihar*

"Bal Bharati Public School, Brij Vihar, Ghaziabad has enrolled for the Microsoft Aspire School Program (MASP) and is now recognised as a Certified Microsoft Aspire School Program Institute. We, at BBPS Brij Vihar, believe that MASP is a unique program which benefits the school, faculty teachers as well as the students comprehensively and effectively. Microsoft Aspire School Program empowers educational institutions to bring learning to life, in and out of the classroom. By providing access to an integrated set of technologies, innovative learning solutions, the MASP Suite modernizes school campuses, drives transformation for enhanced learning experiences and prepares future-ready students. MASP is designed to help the School campus acquire the most up-to-date and latest Genuine Microsoft Software. Under this program all our faculty members have now become Microsoft Innovative Educators (MIE)! We are proud and marching! With a will to work with more speed and efficiency, we enter this new chapter, JuNext with Juana Technologies, our esteemed partner for Microsoft!"



*Team BBPS, Brij Vihar proudly shares their recognition!*

# MICROSOFT ASPIRE SCHOOL PROGRAM

## TECHNOVANZA FOR YOU!

*Team Bal Bharati Public School  
(Gangaram)*

"We at Bal Bharati organize a mega Inter School IT event - **TECHNOVANZA**, every year, 2019 being the fifth year. This grand event aims to bring together brilliant young minds to demonstrate their technical and creative skills. The framework of the event is such that it will enrich the students with new skills and novel ways of thinking and computing. It comprises of events capturing the talent of students in all fields ranging from Game App development, Newsletter creation, Movie making, Sway presentation and many more. Every year we organize 5 to 6 competitions for various classes starting from Class 3 to Class 12. We cater 20 to 25 schools each year with a minimum participation of 10 students per school. This year the event is scheduled to be held on November 22, 2019. The theme of Technovanza 5.0 is - "Artificial Intelligence in Education". We look forward to large participation as always."



*Microsoft (Office 365) training session held at Bal Bharati Public School (Brij Vihar)*

**WELCOME ABOARD!**

Sanskriti School, Hyderabad



C-73, DDA Sheds, Okhla Phase I, New Delhi - 20

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