DPS
INTERNATIONAL
SCHOOL

DPS NEWSLETTER

● EVENTS

RACIAL HARMONY DAY	**INTERHOUSE CHESS COMPETITION**
INTERHOUSE BASKETBALL	
INTERHOUSE CRICKET	**INTERHOUSE MUSIC COMPETITION**
INTERHOUSE FOOTBALL	**EXCURSIONS**
SHARK TANK	**LABOUR DAY**

Interhouse Basketball

JUNIOR

1. Spring
2. Lake
3. Glacier
4. Oasis

After two years, Dipsite girls finally got to play for their beloved houses and gave each other a tough competition. Each one of them learned how to work and co-ordinate as a team and tried to improve their skills through practise sessions to lead their house to glory.
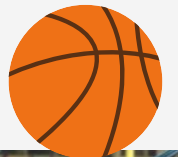
SENIOR

1. Oasis
2. Spring
3. Glacier
4. Lake

TEAMWORK MAKES THE DREAM WORK.

INTERHOUSE CHESS COMPETITION

GRADES 4 TO 6:

- Spring
- Glacier
- Lake
- Oasis

GRADES 7 TO 9:

- Oasis
- Glacier
- Spring
- Lake

GRADES 10 TO 12:
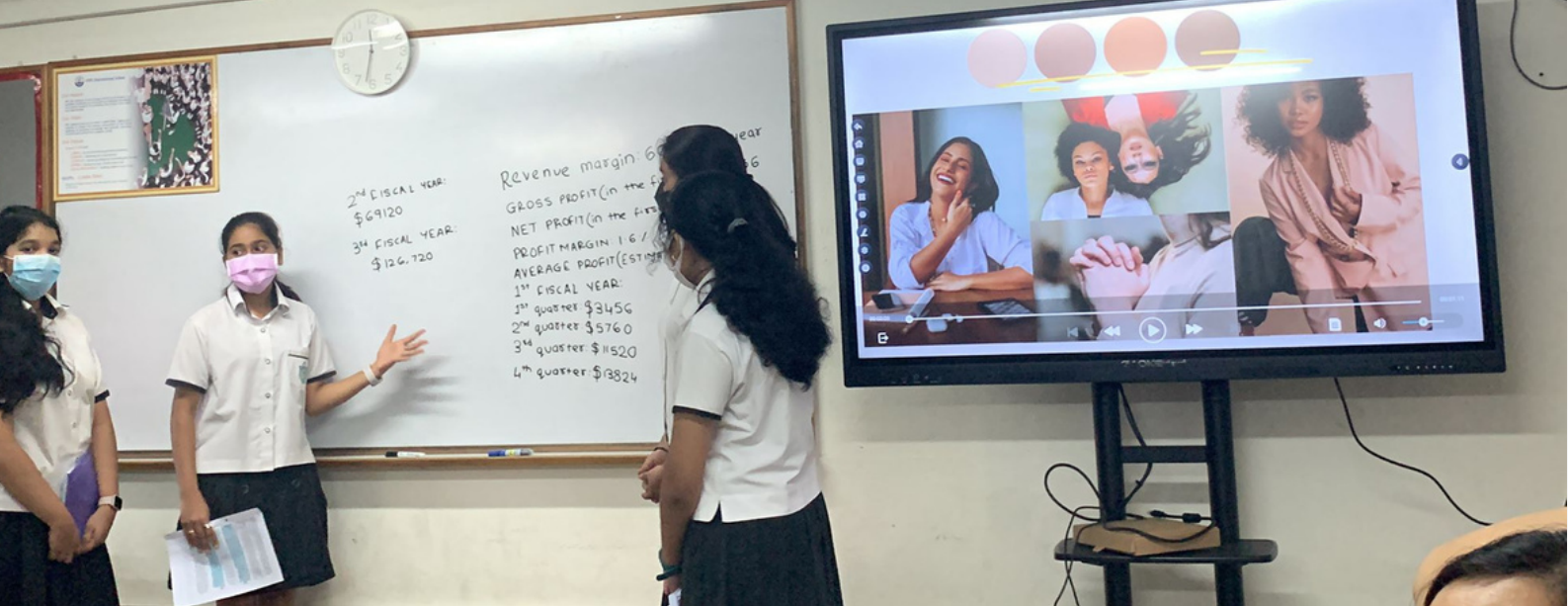
- Lake
- Spring
- Oasis
- Glacier

Chess is a game of skill, mastery, preparation, and most of all nerve. The player that holds their nerve and looks for the cleanest, calculated victory is the one that takes the crown and earns the laurel. The Inter-house Chess competition, organized by the Sports Council was a huge success! Students enjoyed this competition a great deal. Although this idea was brought up by the Sports Council, it did not stop other Student Council members from helping them out for the entire duration of this competition. On the day of selection, the corridors and the 12 AL classroom were filled to an extent that there was no room for an apple to fall. We had not expected such an enthusiastic response from our fellow juniors! We were at our wit's end to select a few out of the lot! Soon the matches began, we were amazed to see young students use professional opening moves like the Queen's Gambit, the Sicilian defense, etc. The competition from 7-9 was competitive from start to end, with 8 teams playing. After a series of intense matches, Oasis claimed the Champion's title on 13th May 2022.

For grades 4-6, the selections were held in the library. We were confident that the selections for 4th-6th would be easy and that we would be over with it by noon, just to be proved wrong by the quick-witted little ones. All houses gave their best performance! Both Spring and Glacier were dominant in their performances and thus marched on to the finals. The final round was the best example of a defensive start to an offensive end, the game was decided on tie-breaks with the player from Spring after being attacked relentlessly by Glacier's best, finding a beautiful checkmate in 4 to finish it off.

The Senior Chess Championship was no less! It was jam-packed with spectacular sequences and gruesome blunders. Spring edged Oasis out for the finals with a series of attacking plays and kept throwing Oasis on the back foot. Lake stomped their way to the finals with a dominant clean sweep against Glacier and was almost bested by Spring in the finals, but a player blundered into a drawn position granting them the Win.

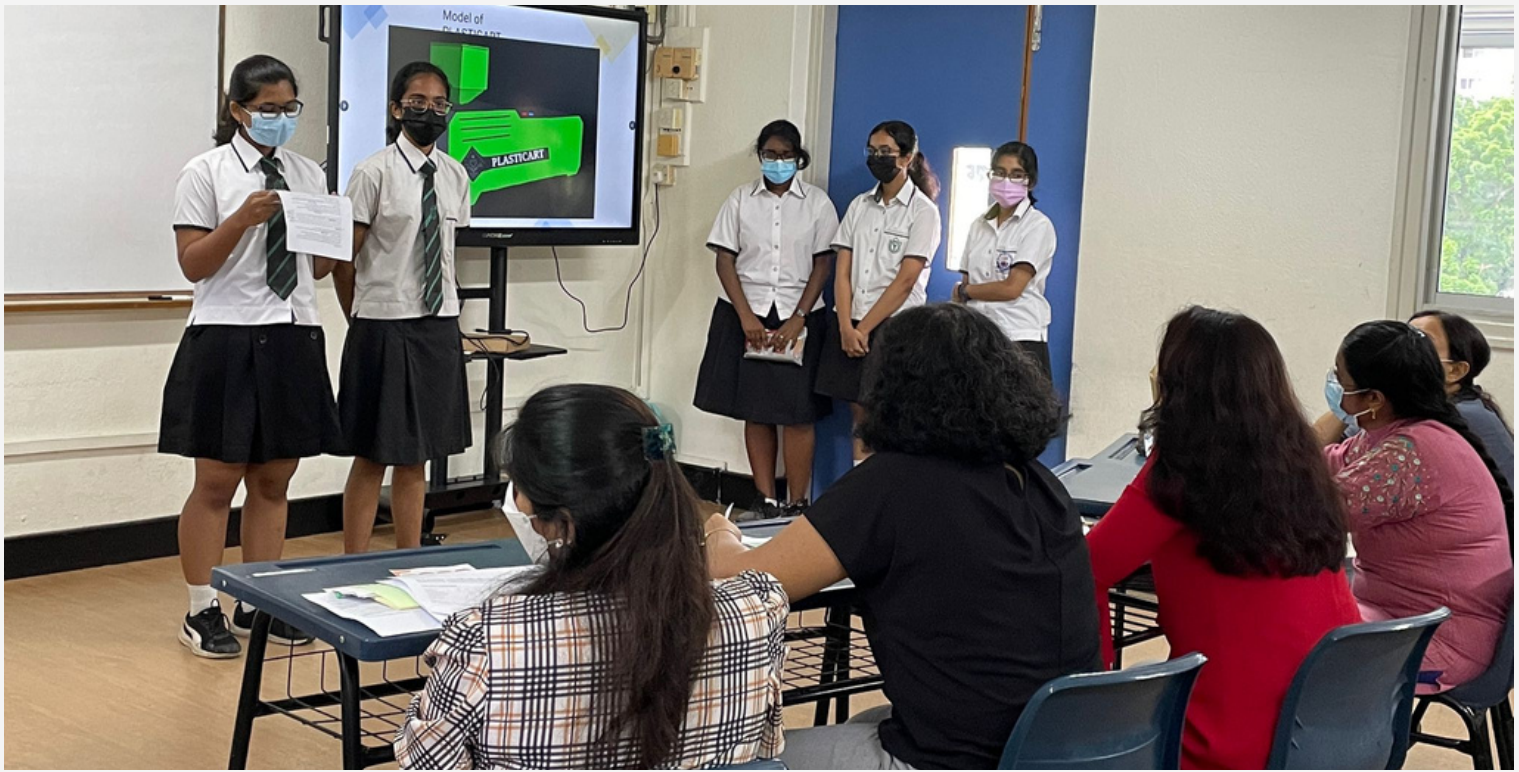-Ansh Oswal (12 AL) & TuhinShinde (12 ISC)

SHARK TANK

BY ARNAV GOEL

Towards the end of May, the Finance and Entrepreneurship Council conducted an event based on Shark Tank. What's Shark Tank you ask? It's where people from around a country come on national television to present their revolutionary idea to the sharks; the sharks are a group of five ultra-wealthy and hyper-focused individuals who have built huge empires from scratch. A typical Shark Tank pitch starts with an explanation of your idea and the key factor that separates it from other companies. As the pitch goes on, they discuss the financial aspect of the company - gross profit, profit margins, year or year growth. In the end, one or more, sometimes all five sharks invest in the company, or sometimes, no one at all.

The Shark Tank conducted in our school followed a very similar format except, you guessed it, there was no real money involved. One of the best presentations was by a group of four students from 11 ISC. They came up with an idea for a sustainable, eco-friendly, and wrinkle-free line of clothing known as Aśesa by utilizing their proprietary technology, known as cross-linking. With a revenue margin of 60% and quarterly growth of approximately 10%, this product was ready to take on the market with its extremely low pricing and fashionable designs.

However, Shark Tank isn't all about investing and making profits, it's also about the journey of the entrepreneur and how he/she came up with that idea. It showcases your confidence, improves your public speaking skills, and lets you get feedback on your idea. The feedback you receive on your idea is the best benefit you can get from presenting either at school or in countless other Shark Tanks in other countries. Be it from venture capitalists or our dear teachers, the opportunity to listen to their views can often change your life and make you a better entrepreneur. With Aśesa, they weren't profitable and their cash flow was too little; they weren't sure where to set their production units and there were a range of issues they hadn't thought of yet. Even though their idea was amazing, it wouldn't become a sustainable business. Thanks to their conversation with the Sharks, they can work towards solving those issues and prevent them from happening ever again. And maybe one day, become a shark and help others through their journey as an entrepreneur.

Even though all the pitches made by the participants were amazing and had the potential to change the world, the Sharks had to make the difficult decision of choosing a winner from the two categories: individual and team. Let's hear about their ideas.

"Our team, BioWorld, developed biodegradable bowls as our product for the Shark tank activity. Our pitch focused on market research, manufacturing, retail, advertising, employment and communication of Bioworld. We worked on the unique feature of our product, which is a special packaging symbol logo, which gives the proof of authenticity and eco-friendly goods and packaging. This promotes social welfare and encourages consumers to purchase the goods and contribute to the society. Our team worked together and designed the pitch which was accompanied by SWOT analysis for our company. We also created a logo to assist in the enforcement of a brand image for BioWorld.

Our subject teacher, Ms Indu, guided us with the areas that our pitch should contain. She introduced us to the importance of CSR (corporate social responsibility) for a business, which we developed on in our presentation. Overall, the Shark tank activity was a memorable one, and it was a great experience. "

By Team BioWorld

"My project was inspired by the Singaporean government's need for new ways to dispose of waste since the Semakau landfill will be full by the year 2035. There are already many companies involved in solving this issue but what caught my eye was the fact that the government was looking for small companies that are willing to digest and create energy from food waste in hawker centres. Thus the idea for a biodigester plant near hawker centres produces both biogas that can be sold back to the hawkers and fertiliser that can be sold to farms in Singapore. Since both the government and a private company are willing to invest in the company, the total cost is greatly reduced and the profit margins are higher."

By Anuyah Gobinath

SHARK TANK
Results

2

INDIVIDUAL
Ansh Oswal
12AL
TEAM
X SPORTS 10IG
Participants:
Atharv Manjrekar
Navya Lohia
Parthiv Anne
Shivansh Shandilya
Yashwanth Annem

1

INDIVIDUAL
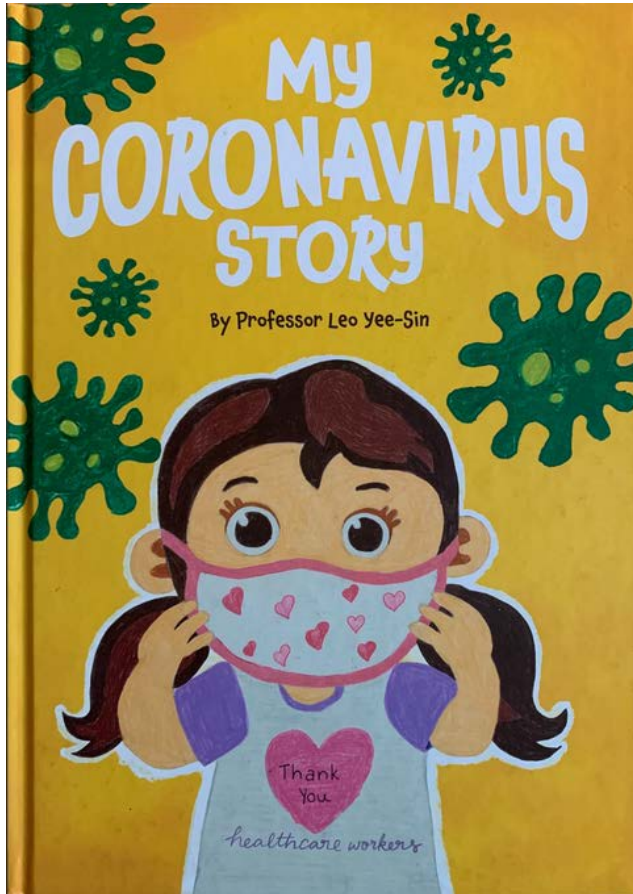Anuyah Gobinath
10IG

TEAM
BIOWORLD 10IG
Participants:
Anagha Sanjay
Kumar
Anvi Mulani
Rudra Reddy
Shanelle Angel
Soares

3

TEAM
AŚESA 11ISC
Participants:
Arushi Vyas
Jui Chitnis
Sharanya Menon
Sreethika Sistla

The Achievement of a Talented Dipsite!

Artist

Krathi Sri Ramkumar

Age

7 years old

My love for art and colours started when I was 2 years old, and my parents enrolled me for Art classes. When I came to know about the Asian Scientist Magazine art competition on 'Celebrating Our Healthcare Heroes', inviting us to narrate our coronavirus story through art, I was so eager to join and express my experience about the pandemic.

I decided to draw myself, a girl wearing a mask amidst viruses. I would also like to thank my art teacher who guided me. I was so surprised to see that my art was selected and published as the cover page of the book 'My Coronavirus Story'. The book is authored by Professor Leo Yee-Sin, Executive Director of the National Centre for infectious Disease. It gives me great pride and joy to share that the book was launched on December 13th 2021 by Singapore's Minister for Health Mr.Ong Ye Kung at Woodlands Regional library.

~Krathi Sri (3B)

INTERHOUSE MUSIC COMPETITION

Music is the universal language of mankind. Where words fail, music speaks. This year, Dipsites displayed their exceptional musical talent at the annual Interhouse Music Competition.This year's competition was more than just a music interhouse, this competition made the participants connect with their mother tongue and portray their culture. All the participants had a great experience preparing for this competition, and they all learned new things during the process like, different vocals and impact of new or different language on the tune and chords.

~Manya Goyal (12 ISC)

FUN FACT
Your Heartbeat Syncs to the Rhythm of the Music. Not only that music syncs with the cardiac rhythms of your body, but it also shows that different types of music also affect the heart rate and blood pressure of an individual.

Junior Category:
1. Oasis
2. Spring
3. Lake
4. Glacier

Senior Category:
1. Spring
2. Lake
3. Glacier and Oasis

INTERHOUSE CRICKET SR.

Rankings
1. Spring
2. Glacier
3. Lake
4. Oasis

The cricket ground had been well prepared to mark the occasion and the corridors were packed to capacity.
All the bowlers were marvelous but Naman(10 ICSE) stood out of the lot by claiming a whopping set of 10 wickets .
Sidharth Kumar(12 ISC) , the skipper of Spring house ,was the star player of the tournament with a score of 34 runs in 12 balls and a strike rate of 283.33 .
All teams gave their level best, but the winner's tag was seized by Spring house.

Interhouse Football Jr.

1. Lake
2. Spring
3. Glacier
4. Oasis

Interhouse Football Sr.

1. Spring
2. Lake
3. Glacier
4. Oasis

I was there on the day of the junior interhouse and let me tell you, it was one my best experiences in all of the 15 years I've been in DPSIS.

This was something I didn't really expect at the start because I always enjoyed playing football matches rather than watching them. But this hit different. We the senior students, had been choosing young players for the team that week, and watching our chosen players give it their all that day to see their house win made everyone proud, including me.

That day was just crazy good, nothing but cheering and shouting under the hot sun from all four directions in the field. All the corridors in B block were crowded with students leaning against the balconies to cheer and encourage their house teams. House captains were all busy giving inspirational speeches to their team members and discussing strategies. Some of the kids seemed excited to play and some of them seemed nervous. This interhouse not only was fun, but taught everyone important life lessons on teamwork, sportsmanship, and leadership.

~Aryan Sharma (12 AL)

RACIAL HARMONY DAY

'Racial Harmony Day' is not just another event on the calendar. It is a day that marks a celebration of harmony and diversity – a day that reminds us that our diversity is a source of our strength. Celebrated to remember the communal riots of 1964, Racial Harmony Day is observed each year to educate students and adults about the importance and need for maintaining racial and religious harmony in the multicultural society we live in today. We were encouraged to don the traditional attires of different races, allowing us to embrace the vast diversity of cultures that make up our society. Clad in unique and vibrant cheongsams, Baja kurungs, kurtas, and other ethnic wears, all of us at school came together on the 21st of July to celebrate a common cause - to appreciate Singapore's racial cohesion and reaffirm our commitment to maintaining racial harmony.We also took a quiz on Singapore's cultural heritage that helped us discover unknown, eye-opening facts about cultures and beliefs from across the world.

~Shreeya Gopakumar (12 ISC)

LABOUR DAY 2022

Without ambition, one starts nothing. Without work, one finishes nothing. On 1st of May, the students of DPS came together to celebrate a day dedicated to our diligent and caring staff at DPSIS. Each student donated a dollar as a symbolic gesture to thank our hard-working uncles and aunties who spent day and night trying to make DPS a wonderful second-home. Around the world, Labour Day marks an annual holiday to celebrate the achievements of workers. It is because of their commitment and courage, especially during the pandemic, that the world is as amazing as it is today. Similar to doctors and nurses tending to sick patients, our staff made it their goal to protect us, the students, from various diseases and germs while putting themselves at risk. It is thanks to them that we are in good health.

~Arnav Goel

COMPUTER SCIENCE CLUB

Computer Science Club was DPS's first student club open to everyone from grades eight and above. With over a hundred and twenty members, we are the largest club in school and conduct workshops on various computer science concepts every week. The program was founded by the members of the Digital Tech Society as a way to share important skills such as web development, game development and competitive coding with our peers. The computer science club has allowed us to share our knowledge for the benefit of all participating members and have assisted students to take the next step in their computer science journey.

~Arnav Goel

Excursion

DIPSITES after two years, have finally been able to escape the walls of their classrooms and go on their fun-filled excursion to the Science Centre.

The field trip to the Science Centre this year was very enjoyable, there were many mesmerising exhibits, and some of them very vividly remember, like the "Experience Earth Alive", where we encountered the forces and processes that underlie Earth's changes. Through this active, engaging exhibit and compelling visual displays, we got a feel for some of Earth's physical functionings. The Gallery Pathway that we took was the "Open Your Eyes", here we got to know about optical illusions, within visual perceptions like the, unexpected dinner, giant chair and also the mirror maze. The mirror maze was a life size labyrinth filled with mirrors, this was very confusing and yet very whimsical.Overall this field trip was a blast! Everyone had a fun and exciting day.

~Janhvi Waman (9 IG B)

SCIENCE

FUN TIMES

DIALOGUE WITH TIME

WALL OF ART

AMAZING
ARTWORK
DONE BY OUR
KIDS!!

AMAZING
ARTWORK
DONE BY
KIDS!!

AMAZING
ARTWORK
DONE BY OUR
KIDS!!

AMAZING ARTWORK
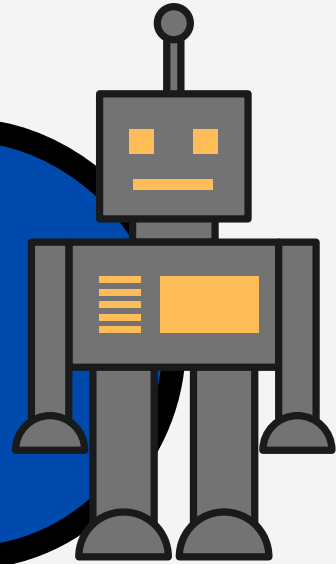DONE BY KIDS!!

I ❤ ICE Cream

INTERESTING FACTS

~Manya Goyal (12 ISC)

Did you know that the death of large stars leads to black holes? This is because a star's gravity will overwhelm the star's natural pressure that it maintains to keep its shape. When the pressure from the nuclear reactions collapses, gravity overwhelms and collapses the star's core, and the star's other layers are thrown off into space, and this process is also known as a supernova. The remainder of the core collapses, a spot overcome by density and without volume, a black hole.

- The first ever robot was created in the 5th century BC by Archytas of Tarentum in the form of mechanical doves.
- In 1981, a robot killed a factory worker at the Kawasaki plant.

- Flamingos are not pink. They are born grey, their diet of brine shrimp and blue green algae contains a natural pink dye called canthaxanthin that makes their feathers pink.

INFODEMIC :
Pandemic of Fake News

By **Arnav Goel (12 AL)**

These past few years have brought a hurricane of horror stories into mainstream media. Inject yourself with bleach for protection! This is just in, Donald Trump once again tweets, "mailboxes will be robbed, ballots will be forged".

Inject yourself with bleach for protection! This is just in, Donald Trump once again tweets, "mailboxes will be robbed, ballots will be forged". But this isn't new and fake news has existed for a long while. As long as news has existed, so has fake news.

UFO's seen sucking energy from the Sun. You know bigfoot exists, right? Loch Ness Monster! Loch Ness Monster! Loch Ness Monster! So what makes fake news so much deadlier than yellow journalism and how did it all start?

At the core, humans are active social animals. We love to be part of communities that reciprocate similar feelings to ours and acknowledge our thoughts and views. However, in many situations, being part of such groups is often a difficult task and requires you to show your determination to their cause. Hence, in order to attract attention from like-minded people, we tend to share controversial and polarised views, signalling our outgroup and ingroup. Ingroups are communities which you can associate with and freely share your views while outgroups are a group to which you do not belong. This social reinforcement would otherwise take a long time through lots of interactions between members of the community, but now can be done with a few retweets. Enter Social Media. Their mission statement involves the need to maximise user interaction by preventing easy access to disliked information. Facebook, Instagram and others keep a record of your preferences by tracing your recent search history and filling your feed with posts that express similar views. Over time, this has shown to lead to a more rigid and polarised point of view on topics such as politics and vaccines.

An infodemic, a combination of information and epidemic, creates a false reality for thousands of people around the world. It permits the creators of fake news to manipulate and steer the thoughts of individuals to their preferences. They can destabilise society, threaten democracy, lead to a rise in racial hate crimes and cause readers to neglect hard facts such as climate change. Fake news has the power to unravel the fabric of life, cause mistrust between neighbours, intensify conflict over imaginary events and distract us from genuine issues. 60% of Europeans insist that fake news has influenced elections, and the number is much higher in the United States. "During and after the U.S. presidential election of 2016, Russian agents paid for advertisements on social media covering controversial topics such as the Black Lives movement and immigration" (1). Over in Asia, propaganda regarding Rohingya has led to a violent situation in Myanmar.

Tips for spotting false news.

It's possible to spot false news. As we work to limit the spread, check out a few ways to identify whether a story is genuine.

1. Be skeptical of headlines.

False news stories often have catchy headlines in all

Everywhere, all the time, we are surrounded by unethical practices and methods of propaganda and persuasion. It's got everyone to even lose trust. So, how do we go about solving such a massive issue? As part of our daily routine, we should always look beyond the catchy headlines and check out the publisher of the article. Is it a joke or a meme a teen made? Did I cross-check with a fact checker? Are there similar articles sharing the same information? Always keep a lookout for red flags such as excessively highlighted text or emotive (emotional) language. On the other hand, transparency on who wrote the news, how it came about, as well as stronger regulations by governments can help weed out fake news and hold social media platforms accountable. Lastly, emotions are necessarily not best communicated through the utilisation of strong, harsh words. As the saying goes, action speaks louder than words, show your commitment to a particular ideology by working towards the cause. Follow these, and you'll be free from one of the most troubling issues in the 21st century.

Citations:
An article published by The New York Times written by reporter Scott Shane. These Are the Ads Russia Bought on Facebook in 2016 - The New York Times.

Picture Credits:
Picture 1: Unpicking the fake news phenomenon.
Picture 2: Facebook press ads offer tips on how to spot fake news.

SELF-DRIVING CARS

By **Aryan Sharma (12 AL)**

Elon Musk recently promised that Tesla will have self-driving cars next year onwards. Although it seems a bit unlikely, coupled with the fact that Musk has promised this a few times in the past without any success, it's not wrong to believe that driverless cars will be the future. Autonomous cars are one of the hottest tech topics in today's generation, and technology is booming day by day, as we all know.

So are self-driving cars safe? How viable are they in today's world? Do they pose almost zero risks for the user? Well, to answer this question, let's look at the pros and cons of these cars:

Pros

- **Reduce human error:** They are controlled by AI and consistently follow traffic rules. Therefore, there is a lower chance of accidents.
- **More independence:** The elderly and people with disabilities don't need to rely on anyone to drive for them.
- **Environmentally friendly:** Driverless cars will likely be electric rather than utilising internal combustion engines. Furthermore, self-driving cars travel at consistent speeds and avoid constant braking and accelerating, thereby being more fuel-efficient.
- **More convenient driving experiences:** AI can't get tired unlike humans, so it will be possible to drive for longer hours. During the journey, you can focus on other work. Moreover, there is zero risk of drunk driving in driverless cars.

Cons

- **Technical errors:** Although self-driving cars do reduce accidents, there might still be danger of the car being hacked or failure of the software due to bad weather.
- **Loss of jobs:** The advent of autonomous cars may result in millions of taxi and bus drivers losing their jobs all over the world
- **Worsening traffic:** The demand for self-driving cars may peak over time as they get cheaper and more appealing. This could increase congestion and pollution on the roads.
- **Moral issues:** What if the AI was in a situation where it had to face two choices? Either steer left and hit a dog on the sidewalk or steer right and injure/potentially kill people inside the car by hitting a tree.

Now that we have the pros and cons laid out, you can see that this topic is very debatable. Self-driving cars are accessible and appealing to many as they can be used independently. This could increase demand which is a good thing but at the same time, this would grow the customer base which could worsen traffic on the roads and cause more pollution. The pollution can still be countered by the fact that the cars are electric and use fuel efficiently, but the congestion problem is still unsolved. To solve that, we would need to construct more roads to provide more routes which could reintroduce pollution. Furthermore, driverless cars will cause millions of people all over the world to lose their jobs, forcing them to find other ways to provide for their families. Personally, I think the best option would be to increase the prices of driverless cars so that the demand can be under control to reduce traffic congestion and not as many taxi or bus drivers would lose their jobs as self-driving cars wouldn't completely take over the roads. And maybe slowly over the years, we can introduce more autonomous cars as the AI becomes more efficient and the cars become safer to use, and as humans build more roads the demand for taxi drivers would go down slowly over a long period of time rather than drastically at once.

GitHub Copilot

By **Baghaskara P. Narayana (12 AL)**

Writing code is often very tedious. You usually have to write the same thing over and over again while a myriad of other similar copies exist online. But then you'd have to Google it, search for it, find it, make sure it's compatible with your code, find out it doesn't work, and search for more code to no avail. It's simply too much work for a human. Here's where an AI comes in.

GitHub Copilot is an AI pair programmer developed by Github and OpenAI that helps you, or otherwise your "copilot" that assists you while writing code. To put it simply, it reads what you are writing or have just written, and suggests continuations to the code ranging from one line to a whole function at once.

Now how does it work? Copilot is powered by OpenAI Codex, an AI system which attempts to convert natural language into written code, created by OpenAI. By being given a programming problem in human natural language, Codex will create a solution in code to that problem. Codex was able to reach such a level of intelligence by being trained on over 54 million public GitHub repositories.

Since its development, Copilot has been the subject of numerous controversies, notably about the licensing of the code it writes. Since it has been trained on innumerable amounts of code written by other people, nothing it writes will ever be truly original, only a rehash of existing code, but it could be noted that Copilot claims to be trained on only public sources, and thus does not infringe on any copyright.

Currently, Copilot is not available for the general public as of the time of writing, only accessible by a small group of testers. However, you are able to sign up on the official site and be put on their waitlist to get access in the near future.

Sources:
https://copilot.github.com/
https://www.infoq.com/news/2021/08/openai-codex/
https://fossa.com/blog/analyzing-legal-implications-github-copilot/

VIRTUAL REALITY

*By **Atharva Rege (12 AL)***

Remember Pokémon GO? The Augmented Reality game released in 2016 was a giant success worldwide, with it being a hit with every age group, from the youth to the elderly.

Back when the global pandemic began in 2020, social interaction had been reduced to a bare minimum, which was a great time for virtual reality to rapidly rise in popularity. To us back then, it was a way of interacting with people not only familiar to us, but also people around the world.

Social interaction however is not the only purpose of virtual reality. In today's world, it is used in various other sectors — in astronomy to simulate certain situations for training, in architecture to render plans and make changes as required, and in healthcare to treat anxiety disorders.

How does this miracle technology work though?

Well, it's not just a phone attached to your head — there's a lot going on when you use it. VR technology allows for the tracking of both the position of the headset as well as its orientation. Two images are sent to a display, which the user then views through lenses. Sensors are used to detect movement when the user moves or rotates their head. A surround sound system is used as well to provide realistic sound, thus increasing the user's immersion.

With various possible applications, VR technology will without a doubt affect our future. It could be used in education to better teach what would be a difficult topic to explain on a 2D board. It could also be further used in military to prepare soldiers for difficult tasks. Whatever benefits VR can provide in the future, they won't be too far off. VR technology is rapidly evolving.

Editors

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Thank you!