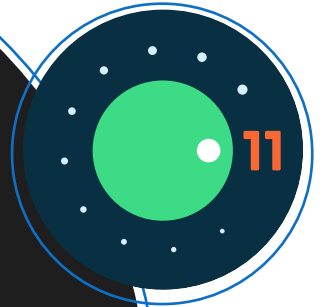


# eNEWS-1

CryptX Club

Jayshree Periwal High School



NEVER  
SETTLE



## This issue covers –

Government bans 59 apps

Android 11 is here!

Apple WWDC 2020

Intel's Lakefields

OnePlus Nord finally arrives!

The Boycott – What's happening?

Google Meet is packing new features!

Xbox Series S – The next-lite console

Mixer is being dissolved

A first look at Note 20 Ultra



[cryptx.tech](https://cryptx.tech)



[cryptx.tech](https://cryptx.tech)



## Government bans 59 apps

Subham Jalan

TikTok and other 58 apps have been removed from the Google Play Store and App Store after an order by the Ministry of Information and Technology on Monday night. The ministry stated that those apps violated the privacy of users and stores their data outside India. Google, Apple, ISPs and telecom companies have been asked to enforce the ban. You can keep using these apps if you have them installed for now, but these apps might stop functioning at some point. TikTok has already been removed from both the stores for Indian users, however, the other apps are still available for download. Although the decision has been taken in view of our security and defense, it's clear that it is a direct consequence of the tensions between India and China. India however, has a large software market, and will soon come up with Indian alternatives of the banned apps. Here are some alternatives that are safe and you can use for now -

CamScanner- Office Lens/Adobe Scan  
Shareit - Google Files Go  
UC Browser - Google Chrome/ Microsoft Edge  
Shein - Myntra  
WeChat - WhatsApp/Discord

## Android 11 is here!

Naman Baid

The android 11 beta is now available on the Google Pixel 2, 3, 3a and 4 series with OnePlus and Oppo right behind them. Some of the new features of android 11 are listed below: -

**NOTIFICATIONS**- Conversation notifications appear in a dedicated section at the top of the shade, with a people-forward design and conversation specific actions, such as opening the conversation as a bubble.

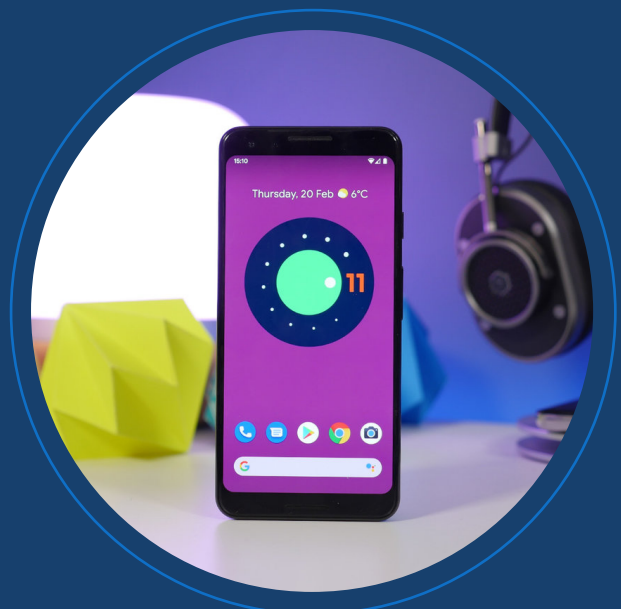
**HOME SCREEN APPS**- All of your apps are moved to the home screen and replaced by ones Google thinks you might want to use, using Machine Learning.

**POWER MENU** - Now when you long press the power/wake button, you get a brand-new menu. You still have your old buttons, but also your keys and wallets and cards. Underneath these, you get all your smart devices' controls.

**LOCATION PERMISSIONS** - Android 11 improves your location-privacy by preventing apps from having full access to it.

**MORE FEATURES** - Now users will be getting scrolling screenshots, more customizability in Airplane Mode, better dark mode, a screen recorder and more icon styles. Google's project Mainline will enable it to directly server system updates through Play Store.

All in all, Android is already a mature and beautiful operating system and Android 11 brings minor changes made to refine your overall Android experience.



# Apple WWDC 2020

Milind Sharma

In the 2020 WWDC, the much-anticipated iOS 14 update was announced. Tech influencers say that this update made iPhones more “Android like” as iOS 14 bought a ton of customization features. The main highlights of the update are –

**Widgets:** After a long wait of 12 years, widgets have been finally introduced to iOS. Widgets were part of the very first version of Android and Google described them as “little applications that reside in the home application”. The widgets in iOS are still not as customizable as in Android as a user can’t put everywhere on a screen. A feature known as “Smart Stack” has also been added in which a user can add 2 or more widgets of the same size into a single one and just cycle through them by swiping. A widget of the same name can also be added in which a number of widgets are pre-selected for the user based on the usage of certain services, apps or widgets themselves.

**App library:** It is very useful as it organizes every single app on the phone into different folders according to their genre. It allows you to search for all apps in a drop-down menu.

**Common features than were not in iOS 13:** Many features such as emoji selections on the keyboard have been added. A new Stock translation was also added which has less languages as compared to Google translate.

**Other changes:** Picture-in-picture windows for Safari, Facetime, iMovies and many other apps were added so that the user can multitask. A thing that bugged most of the iOS users was that whenever they got a call or a facetime, the whole window would be occupied for it. Now a simple dropdown menu will be available whenever someone rings up the user, just like in most of the android phones. Face recognition for memojies was improved with many accessories for your own memoji. Privacy features have also been improved.

**Accessibilities:** Feature which allows double or triple tapping on the back of the phone to open an app was added. A voice recognition feature which alerts the user whenever it recognizes a voice such as of a dog barking or a tap left open was added, this feature is especially important for users having certain hearing imparities.

Overall, iOS 14 is being appreciated by the whole tech community and we all wish that Apple continues to change things like this.



## Are Macs and iPhones immune to viruses?

Subham Jalan

Many people think that Apple’s devices – like iPhones and Macs, are immune to malware, but that is not true. Viruses are always written for a specific platform and so, a virus written for Windows will only work on Windows. The aim of a computer virus is to spread to as many machines as possible. Obviously, attackers target the platform used by the majority of people, being Windows and Android for PCs and phones respectively. MacOS captures 10% of the laptop and desktop market whereas iOS holds 27% of the phone market. This is what we call ‘security through minority’, attackers don’t bother attacking these devices because it’s not worth their while. However, now as more and more businesses are switching to the Apple ecosystem for their employees, it is always good to have an Anti-Virus software installed as Apple might become an appealing target for exploiters in near future.

## Intel's Lakefields

Zubin Sharma

Intel is upping its game with a new series of processors coming up for the PC industry. The company recently announced the launch of a pair of Lakefield processors, with the 5-core chips to consist of 4 Tremont cores for low-power usage, and 1 Sunny Cove core for burstable loads. It is a processor fabricated on 10nm technology and as intel said compared to a 14nm Core i7 8500Y processor, the Lakefield chips were up to 56% smaller for package area, up to 47% smaller for board size, and sucked down 91% less power, at 5.2mW on standby. The Lakefields are also able to convert video clips 54% faster compared to the i7 8500Y! These new hybrid chips' main objective is to facilitate maximum mobility and targets thin, low power devices such as dual screen and foldables. Intel took the wraps off two chips -- the i5-L16G7 and i3-L13G4 -- which will both be 7-watt chips, have five cores, 4MB of cache. The i5-L16G7 will have a base frequency of 1.4GHz with a single-core turbo maximum of 3GHz, while the i3-L13G4 will have 0.8GHz base frequency with a single-core turbo maximum of 2.8GHz. This will really change how Intel is standing up against AMD.

## OnePlus Nord finally arrives!

Ansh Agarwal

OnePlus has been one of the core brands in the smartphone market for quite some time now. As the prices of OnePlus' handsets continued to climb, the 'flagship killer' was becoming just another flagship manufacturer. After the failure of OnePlus X, the company was reluctant to launch any new lite smartphones even after continued pressure from the community. However, OnePlus is going back to its roots and is launching a new lineup of mid-range smartphones, starting with OnePlus Nord. The specs have not been fully revealed, and we can safely say that it will be priced under ₹40,000. It will be launching in India and Europe first, given which, the pre orders have already begun starting July 1. This is going to be a big leap for OnePlus as now they will be trying to capture the most competitive smartphone segment all over the world, especially India. Given the current situation of boycotting Chinese products, it's still unsure how well this product will be received by the consumers.

## CIY - Code it yourself

- Write a program that prints Fibonacci sequence to a given number of terms.
- Write a program which checks if a number is a "happy number."
- Write a program which flips a coin for a given number of times.

## The more you know

- QWERTY keyboard was made to slow people down as their fast typing made the keys jam.
- Python, the language of the future, was developed in 1980s before Java!
- Sophie, a humanoid built by Hong-Kong based Hanson Robotics, is the first robot to receive citizenship of any nation. Sophie is now a citizen of Saudi Arabia.
- Google is written in over 2 billion lines of code.



# Into the life of Steve Jobs

Subham Jalan

Steve Paul Jobs, mainly known for being the co – founder of Apple Inc., was born in San Francisco on February 24, 1955 and was adopted soon after. Considered as one of the most prominent entrepreneurs, he made many breakthroughs in the world of computers. He was a business magnate, industrial designer, investor and media proprietor.

He attended Reed College in 1972 and dropped out the same year. When he travelled through India in 1974, he had a dream of becoming a Buddhist, which stayed with him until his death. He met Steve Wozniak in high school with whom he founded Apple in 1976. It is believed that Apple was named “Apple” because Jobs liked apples. Together, the duo built several successful computers and gave the world the Macintosh in 1984. In 1985, Jobs was kicked out of his own company. He took a few of Apple’s members and founded two more companies, NeXT and Pixar. In 1997, Apple acquired NeXT and Jobs became the CEO of Apple within a few months. He was largely responsible for reviving Apple, which was at the verge of bankruptcy. The same year, he began the advertising campaign of “Think different” which led to an incredible lineup of products like iMac, iPod, iPad, iPhone etc. He was diagnosed with pancreatic neuroendocrine tumor in 2003 and died on October 5, 2011.

Jobs was a great team leader, and gave his very best to give the world the best products. His revolutionary iPhone was considered ahead of its time. His competition with other brands made him build new things. Apple Inc. still continues to be a tech giant with a net worth of over \$1 trillion. Apple will continue to make innovative products, based on the very ideals of Steve Jobs. In his memory, California’s governor has declared October 16 as Steve Jobs Day.



“Innovation distinguishes between a leader and a follower.”

“Don’t let the noise of others’ opinions drown out your own inner voice.”

“You can’t connect the dots looking forward; you can only connect them looking backwards. So you have to trust that the dots will somehow connect in your future.”

## The Boycott - What's happening?

Subham Jalan

Following the increasing tensions between India and China, Indians are boycotting all Chinese products, or at least pledging not to buy them the next time. What does this mean to the smartphone market in India, which is the second largest in the world?

China is the largest manufacturer of mobile phones in the world. Their phones have the best price to performance ratio. Be it parts manufacturing, assembling, or even research, China controls the mobile market quite strongly. Phones sold in our market can be divided into five categories -

**MADE IN CHINA** - These are the phones which are completely made in China, from designing to packaging. Examples are brands like Nubia and Huawei.

**CHINESE BUT ASSEMBLED IN INDIA** - The phone you are holding probably comes under this category. The biggest players in India, Xiaomi and BBK Electronics (Oppo, Vivo, OnePlus and Realme) assemble their phones in India, hence providing employment to Indians.

**NON- CHINESE BUT MADE IN CHINA** - The best example is Apple. Only a few of their old phones are assembled in India but still most new iPhones carry the "Assembled in China" tag.

**NON- CHINESE AND ASSEMBLED IN INDIA** - The best example is Samsung.

**MADE IN INDIA** - Actually, there is no completely Indian smartphone brand. There were Micromax and Karbonn, but they imported phones from China and placed their stickers on it.

So, the big question, can we actually boycott Chinese phones? The answer is - no. We still need to set up plants in India before we can completely move ahead with this campaign. These things don't happen overnight and it might even take a decade to accomplish this goal. Despite the fact, we can try to avoid Chinese brands and buy other ones.



## Google Meet is packing new features!

Jasraj Johal

Working from home can present other challenges, such as surroundings you don't want others to see, like toys on the floor or dogs playing behind you. In the coming months, Google will be making it easy to blur out your background, or replace it with an image of your choosing so you can keep your team's focus solely on you. Other planned upcoming roadmap enhancements to help teams more effectively run large, enterprise-grade meetings include:

**Hand raising:** Increase participation in larger meetings by enabling participants to "raise their hands" when they have a question or something to say.

**Meeting attendance:** Give meeting hosts a simple way to see who attended their meeting.

**Breakout rooms:** Make it easy for large meetings to split into smaller groups, have parallel discussions, and reconvene once finished.

**Q&A:** Provide a channel for the audience to ask questions without disrupting the flow of the conversation.

**Polling:** Engage participants in large meetings with real-time polling.

**Additional moderator controls:** Give meeting hosts additional controls for muting, presenting, joining, and more.

## XBOX Series S – The next-lite console

Milind Sharma

We all are pretty aware of the Xbox series X being the next-gen high end console from Microsoft, but just as the PS5 was released, rumors and speculations about a lower end “Xbox Series S” started popping up. This new Xbox is rumored to have a smaller body compared to the higher end Series X. The new console will reportedly have 7.5GB of usable RAM, paired with 4 teraflops of GPU performance, way less than the Series X’s 13.5GB of usable ram and 12 teraflops of GPU performance. The Xbox may not have full Ray Tracing support due to the less GPU horsepower. This console is named as “Project Lockhart”. Leaked specs point that it can push games only up to 1080p compared to Series X’s 4k limit. Regardless of its final specs, Microsoft has already said that the Xbox family of consoles will be able to play the same games, so we need not worry too much about being locked out of the next Halo or Gears of War game.

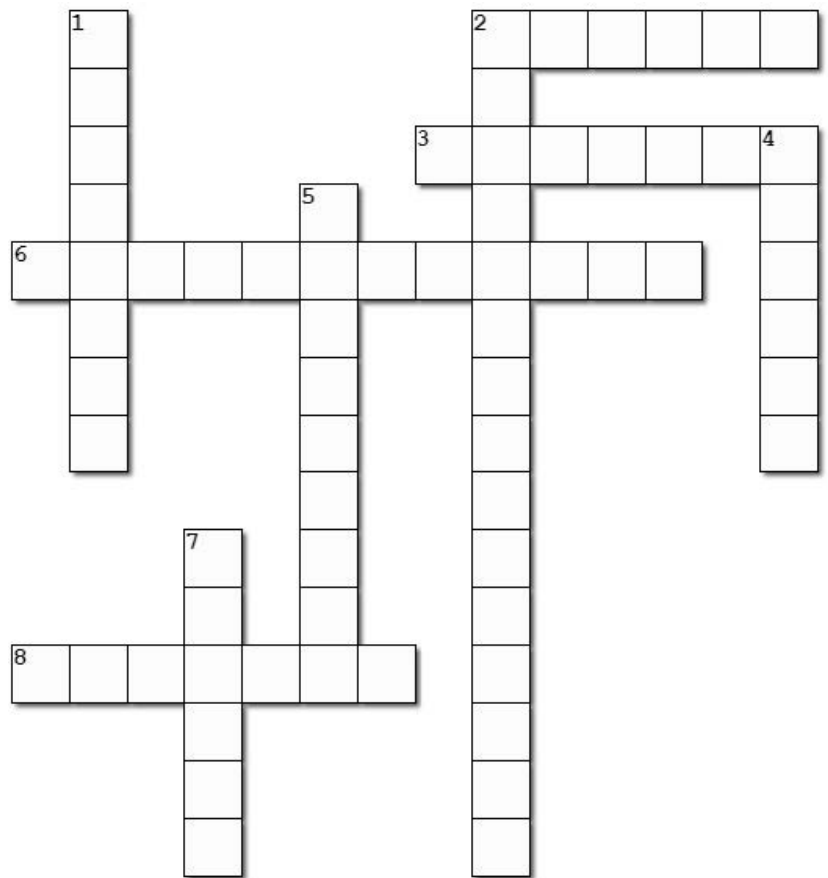
### Crossword Puzzle

#### Down

1. A defect of a computer system that allows unauthorized access to data
2. Father of computers
4. Mathematical term behind 'Google'
5. Error 404 corresponds to
7. s in HTTPS stands for

#### Across

2. Small files that websites put on your computer on your first visit
3. The biggest tech giant of South Korea
6. The first programmer
8. The encoding standard used in computers



### Check this out!

<https://thispersondoesnotexist.com> is a website which generates random faces every time you visit it, and as the name suggests, that person does not exist but is purely made by AI. Creepy? Yes.

## Mixer is being dissolved

Jay Sharma

Mixer, a streaming platform made by Microsoft to compete with Twitch is being shut down. Microsoft has partnered up with Facebook gaming and most of the streamers on their platform will be moved to the social media giant's own streaming service. Tyler "Ninja" Blevins left Twitch for Mixer last August reportedly for a contract worth 20 to 30 million dollars. Many other streamers who were contracted by Mixer are free to move to any platform of their choice now including Twitch. Tencent has started its own live streaming service named "Trovo Live" mainly focusing on mobile games. This hints at how the online streaming platforms are changing and how companies are focusing on making it a better experience.

## A first look at Note 20 Ultra

XDA- Developers (Max Weinbach)

Samsung just leaked the Galaxy Note 20 Ultra on its own website. In these new images, which appeared on Samsung's Ukrainian website (strangely enough at the bottom of the Galaxy Note8's product page), we could see the Samsung Galaxy Note 20 Ultra in its full "Mystic Bronze" glory. The new camera array includes 108MP main sensor, 12MP ultrawide and a 13MP periscope zoom along with a laser autofocus module. It will feature a matte back like the S20+ BTS Edition. The display is rumored to use an LTPO backplane and be a 6.9" and 3040x1440 resolution panel with support for a 120Hz refresh rate. It is also rumored to have a centered hole-punch cutout like the Galaxy S20. This phone is rumored to be launched in August in an online-only event with many other Samsung products. This is not the first time that something like this has happened, and definitely not the last either.

### The Team

Design Editors - Jasraj Johal

Milind Sharma

Subham Jalan

Article writers – Ansh Agarwal


Jay Sharma

Jeev Jatin Singh

Naman Keswani

Naman Baid

Zubin Sharma



## duolingo

### App of the week

Jeev Jatin Singh

Have you ever thought of learning a new language or expanding your existing vocabulary? Then Duolingo is an app then you definitely need to check out. You can learn any new language on their platform. Duolingo also has a digital language – proficient assessment exam. It is free for everyone, with some premium features for users who pay. What makes it fun is its easy to use UI and fun – integrated environment.