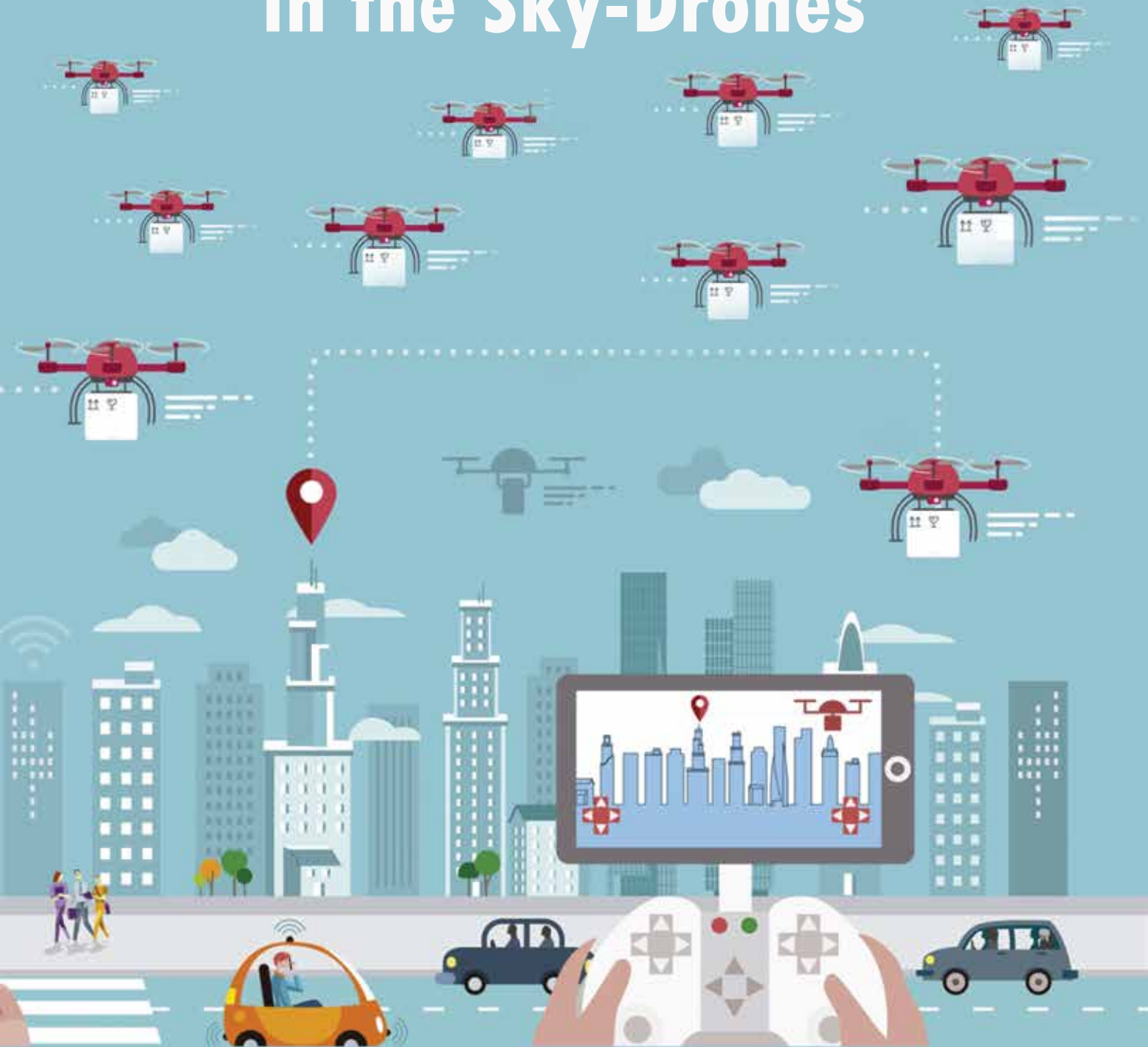


A Horse Race in the Sky-Drones



A Horse Race in the Sky-Drones



Imagine a world where your order is being delivered to your home in no time from the sky or a machine which can spray the agricultural fields by following pre-mapped routes. How long will it take to become a reality? Well, it has somehow become a reality now, thanks to tech companies for conducting experiments on drone services. Nowadays, drones are being used to perform shipping operations like for delivering pizzas, packages (e.g. Amazon's Prime Air), medical supplies and more. The farming & agriculture sector is using drone technology for monitoring soil and crop health as well as to track weather conditions. Businesses are adopting the technology for aerial surveying, shipping, photography and videography technology. However, the growing trend of delivery drones has emerged as an issue with grave concerns of how to safely fly drones in an urban environment to ensure safety in the skies especially when, companies are looking to introduce flying taxis to reduce traffic congestion.

Unmanned Aircraft Systems (UAS) is NASA's historic milestone on drone research and the last phase of a four-year initiative to manage drone traffic in highly-populated areas around skyscrapers, statues, and other landmarks. In a bid to test vehicle to vehicle communication, vehicle-integrated detecting and avoiding abilities, and automated safe-landing systems, NASA has selected two highly populated cities, Nevada and Texas. The results will offer a thorough understanding about the challenges of flying a drone in an urban environment which further lead to the best procedure to operate it safely in those places with the implementation of rules and policies. The success of the final test will lead to a new era of urban air travel with innovative impacts on the global UAS Industry. ■

Major Gmail Issues & their Practical Solutions



No doubt, we don't get out of options when it comes to communication tools, as the world has become a global village for many years. However, there are still some of the communication services that are gold in themselves. Yes! You guessed it right,

it's none other than Gmail with the perfect blend of great features and sleek layout.

Nevertheless, Gmail is one of those necessities that don't give you a heads up before causing any issue. The users tend to think about getting it fixed as soon as possible because it is a daily life necessity. Let's dig deep into those Gmail issues and find out the practical solutions to them.

Google Status Dashboard

Google has provided a great solution to all the problems related to its services. It has provided its users with the incredibly composed G Suite Status Dashboard which help them to solve all the Google related issues within seconds. The issues are being highlighted by the orange dots in order to keep track so that they never occur again. So, if the users get into any Google related issue, their first stop should definitely be the amazing G Suite Status Dashboard. The users can easily access the Dashboard by clicking <https://www.google.com/appsstatus#hl=en&v=status>.

Forgot Password

Gmail has set a long authentic process in order to recover the password as Gmail is highly confidential which holds all the backups. One of the most common Gmail issues is forgetting the password and it makes real trouble. We use our Gmail account on all the other apps like Netflix and Snapchat etc. in order to recover the forgotten password. But what if we forget Gmail password itself? However, Google has solved this issue as well by setting an authentic process. All you have to do is to Sign-in to your Gmail account; click your profile picture which is at the upper right corner, then go to My Account, under Sign-in & Security, and click "Signing in to

Google. Next, scroll about halfway down the page to "Account recovery options." Make sure all three options, Recovery Email, Recovery Phone, and Security Question are all filled out.

Missing Emails

Gmail, being an extremely practical app, has a lot of backups in case we miss or delete an email by mistake. Yes! You heard it right, gone are the times when we lose hope after missing or deleting one important email by mistake. There is a separate 'Trash' folder that you can easily find by clicking more folders option. The Trash folder holds all our deleted and lost emails for up to 30 days in case we want them back.

Neutral Solutions

There are always neutral solutions, which help in solving almost all the issues and Gmail problems also got a few. If you are having trouble with the Gmail account without knowing the actual reason then you need to look into these neutral solutions. Update your app right away, remove Gmail app from the mobile and install it again, restart your device, verify your connectivity, make sure to turn Sync on and clear Gmail unnecessary data.

If you are quite clear about the Gmail issue and it's from the first three (above mentioned) then try solving them with the mentioned tactics otherwise nuclear solutions are always here. ■

Atiq Nasir

Tracking a Lost/Stolen iPhone

You spend a ton of money to buy an iPhone and your whole life is on it, including contacts, places, conversations, emails, bookmarks, credit cards details, and photos etc. In short, iPhone has become an important part of our lives and we don't realize its importance until it



lost, stolen or its internet connection suddenly drop out. Losing your iPhone is a nightmare scenario and is somehow worse than losing your wallet for being a source of your valuable personal data. However, if you lost your iPhone, iPad, or iPod touch then there is a way to track, locate and even erase the data on these devices remotely: Find My iPhone app. Find My iPhone is Apple's anti-theft software and a part of iCloud. The app should be already installed on your iPhone, iPad, and iPod touch so it can work properly when needed. If your iPhone is stolen then follow these instructions to get it back.

- Sign in to www.icloud.com or open Find My iPhone app on other iPhone or iPad.
- Click on Find My iPhone button >All Devices and then select your stolen device from the menu. Your device information window will appear before you including current location and last checked-in details.
- You have three options to do right now, Play Sound, Lost Mode, and Erase iPhone. On clicking Play Sound, lost iPhone will create a sound to help someone nearby discover it but only if it has lost not stolen.
- Turning on Lost Mode will allow you to lock your device remotely and also prompt an option to enter your phone number to be displayed on a lost device screen.
- However, if your iPhone is stolen and there is no way out to get it back then you can proceed with Erase iPhone which will remove all the content and settings of your stolen device and will prevent thief to hack the valuable information inside it. However, you will not be able to track or locate your iPhone anymore.

So install the Find My iPhone app right now and enhance the security of your device at maximum. ■

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Wireless TV

Are you tired of looking at the big mess of wires around your television set? Here is a big news for you. Samsung is making plans to present the world's first TV not having wires trailing behind it. For some years now, Samsung has been trying to make your home tidy. Last year, QLED TVs were introduced, that blended their color with the walls behind them. Yet, no release date has been specified for the wireless TV. ■



Apple AR Glasses



Apple is reportedly making Augmented Reality (AR) Glasses to work wirelessly with devices having an

Apple brain. Apple wishes to make AR-based headset working together with an iPhone in order to create an environment for users where they can see the computer images overlaid on the real world. AR Glasses launch is scheduled for the second quarter of 2020. ■

Increasing Security

What if you were being added to an unknown WhatsApp group, full of fishy content & videos, without your consent? To make things worse, admin adds you again and again if you try to exit that group chat and you can do nothing except to further frustrated by the situation. Though, you have another option of blocking the admin of the group but how many admins? Annoying, right? Your worries and irritations will end soon as WhatsApp has announced new privacy controls into its messaging app to restrict people from adding you to unknown groups. However, restricted people can send you a private invitation via a link to let you choose if you want to join a group, otherwise, the link will expire in three days. The feature will be available to all users in coming weeks and would be accessed by going to Setting Menu>Account>Privacy and Groups. Three options will pop up in Groups, Nobody, My Contacts, or Everyone so select the best option to increase your privacy. ■



How to Schedule Emails?

In order to celebrate its 15th birthday, Gmail on April 1 has rolled out some new features. One of them is the ability to schedule emails to be sent at a later date. To utilize this feature, when you are composing an email, look for a drop down arrow in Send box. When



you are done writing your message, simply click the drop-down arrow and choose Schedule send option. Then, you will be asked to enter the date and time when you wish the email to be sent. This way you can write now and send later any email. But for now, this feature is offered in just a few areas but it will come out for everyone soon. ■

Nubia Alpha

This is the time for e-watches. Nubia Alpha is a device that has all the essential functionalities of a smartphone, yet it is to be worn on wrist. The device is able to control your audio and notifications, track your fitness progress in the same way as the rest of the smartwatches out there can do but the additional thing is that Alpha can autonomously take pictures, make calls, and do all the stuff that your phone can do. ■



Predicting Wind Pattern

Wind energy is a renewable and carbon-free energy resource available globally with great potential to combat climate change but the need of the hour is to harness it in an effective way as variable nature of the wind has made it an unreliable and less useful energy source. Google may be closer to success, however. Google is testing machine learning algorithms to predict wind power output a day before turbines began to spin. Google and DeepMind initiated this project a year ago and analyzed the weather forecasts, and historical turbine data into a machine learning platform which turned out wind power prediction. ■



Kids Corner

Introducing LEGO'S SPIKE PRIME



In a bid to entice young minds into engineering, Lego has brainstormed a new coding and robotics set: Spike Prime. With

Spike Prime, middle school students will be able to learn the basics of programming by experimenting with different solutions while building robots and become more confident learner. SPIKE app on phone will further help kids to control the system by following the lessons to get started and design programs using Scratch. ■

Quick Facts

- **Gmail's** swipe actions functionality is now available on iOS.
- **Valve** announced its own VR headset 'Valve Index'.
- **Twitter's** battery-saving dark mode is starting to roll out now.
- **Verizon's** Call Filter Free service can now detect, block and report spam calls.
- **Oppo** is reportedly working on a wedge-shaped pop-up camera phone.
- **Google's** AMP support for Gmail in beta meant to make emails more dynamic.
- **Samsung** has unveiled its Galaxy A70 featuring a 6.7-inch bezel-less display with notch and on-screen fingerprint sensor.
- **Xiaomi** has designed a fast charger which is capable of charging a 4,000mAh battery phone within 17 minutes.
- **UPS** has started delivering medical supplies in North Carolina using drones.
- **Apple** has announced 'Apple Card' for iPhone users and also unveiled Apple News Plus at its "show time" event as a replacement of 'Texture' app which is scheduled to end on 28th May.
- **Norway** is the first country in the world to install wireless charging stations for electric taxis using induction technology.
- **Microsoft** is working on a graphing mode, to be added in Windows 10 calculator, for the students to graph linear, quadratic, and exponential equations.
- **WhatsApp** Business app is now available on iOS.
- **Windows Defender** is now dubbed as Microsoft Defender and also expanded to macOS.
- **Google Duplex** expanded to more phones.
- **Conversion Therapy** app has been removed from Google's Play Store.
- **Just Kids** is Verizon's first smartphone plan designed for kids with 5GB of LTE data and plenty of parental controls.
- **LG's** latest flagship, the G8 ThinQ is scheduled to release in the US on April 11.
- **Walmart** is using Google Assistant to offer online grocery shopping.
- **Apple** is reportedly bringing reverse wireless charging into 2019 iPhones and also planning to launch smaller and larger iPhone screens for 2020.
- **Facebook's** new feature "Why am I seeing this post?" meant to give users more control over the News Feed.
- **Samsung** has released a new 8-inch Galaxy Tab A with S Pen support.
- Microsoft is ending the support of **Windows 7** on January 14th, 2020. ■

Role of Technology in Overcoming Food Shortages

Technological development and economic growth have reduced the number of casualties associated with a particular famine. But the problem of food insecurity still persists in all parts of the globe. Famines and food insecurities are outcomes of food shortages. There could be many reasons leading to the emergence of a catastrophic situation pertaining to food shortage. Overpopulation, climate change and global warming, use of pesticides and insecticides, induction of fertilizers, lack of scientific knowledge and heavy reliance on conventional farming tools are a few of the many reasons of food shortages. East Africa is badly affected by famine. Nutrient deficiencies negatively impact physical and mental growth of school going children. Food insecurity is not limited to underdeveloped countries only. It was found that over 1 million children faced food insecurity at some point in their lives in Canada in the year 2012-13. Technology has provided farmers and industries with an extra bit of leverage and flexibility to grow, produce and handle their products. Distances between rural and urban settings are bridged to a greater extent by the courtesy of technology which has strengthened customer-vendor relationship. Integration of IoT, Cloud computing, 3D food printing has paved things up for sustainable development in the food industry.



Sensors collect real-time data pertaining to climatic, soil and moisture conditions of an agriculture field to assist farmers in cultivation. Predictability of various factors pertinent to sustainable and cost-effective farming is ensured with the inclusion of integrated digital applications (Internet of Things). Time, energy and resources are conserved and production increases. Internet of things is a healthy collection of tools and techniques which act as an all in one unit to help farmers to study and analyze the quality of soil and moisture content. Satellite imageries, with the use of drones, record and predict weather patterns. Farmers can pre-empt and can organize their resources accordingly. Efficiency and productivity of the system increase. Time and costs are saved and farmers find themselves in a safer zone all the time. Digital farming coupled with Supply Chain Management (SCM) results in qualitative and on-time delivery of products.

On-demand delivery of products to customers will reduce the chances of food going waste.

Distances between manufacturer and customer are shrunk to an extent with the use of technological apps such as cloud computing and 3D footprinting. Cloud computing will help manufacturers gather information regarding customers demand. 3D footprinting will allow customers to retrieve the real essence, taste, and quality of the food item. Food items lose their quality during conventional delivery mechanisms. 15% of fruit and vegetable products lose their efficacy because of decay and decomposition due to longer exposures to the external environment. Manufacturers will be monitoring all the information relevant to customer demands and aspirations through public and private online cloud information sources. The product will be delivered upon demand and request of the user as a powdered micronutrient. The customer will reassemble the food source in its original form using a 3D printer.

Digital technology bridges the gap between manufacturer and customer which leads towards sustainability. Real-time analytics using remote sensing techniques and access to customer demands through cloud information sources has reshaped the dynamics of modern-day farming and industrialization. ■

Yasir Hayat

Future of Mobile App Development

An interactive seminar kicked off on March 10, wherein most of the tech enthusiasts from all around Rabwah congregated in Skylite's Innovation Lab to learn about Cross-Platform Applications. CEO and founder of TechMicroSol, Amin Ahmad Mirza took the stage to discuss about the future of mobile application and pros & cons of cross-platform applications. He left the stage with continued warm applause. ■



Exploring Cloud Computing



Skylite Networks has organized another seminar on March 17, under the theme of 'Exploring Cloud Computing' in a bid to empower the youth of Rabwah with latest technological advancement in day-to-day changing world. A C# Corner MVP, and an alumni for UGRAD program at USA, Mehreen Tahir and an expert computer programmer, Afzaal Ahmad Zeeshan were invited to deliver lectures on the core areas of cloud computing. Worthy speakers also discussed about cloud services and solutions and especially how students can get benefit from the free account service. ■

Upcoming Event

April 2019

• **Google Cloud - Machine Learning Study Jam**

For details and registration visit : skylite.com/event-registration/

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