

# A year of 4G, controversies and satellites in space

## Tech round-up of 2018

### The year of online content and account takedowns

The trampling of civil liberty and freedom of expression online made headlines this year. Several news websites such as, The Daily Star, bdnews24, Priyo.com and many other online newspapers were blocked for different durations throughout the year. For the first time, the country witnessed the capping of internet speed as well as the temporary suspension of 3G and 4G services when school students took to the streets in August demanding road safety. Many people, including eminent photographer Shahidul Alam were arrested during the protest for spreading "Gujob" (misinformation) online. And with the elections right around the corner, the internet has mysteriously slowed down, and an army of cyber-patrollers have even been appointed by law-enforcing agencies to detain miscreants for spreading "Gujob".



### User data mismanagement

Pathao and BTRC have come under major scrutiny this year for mishandling and leaking users' data. BTRC collected the personal data of around 7 crore (70 million) mobile phone users without their consent, handing them over to the Bangladesh Bureau of Statistics (BBS) just days before the elections claiming that it is for a survey. Similarly, ride sharing platform Pathao has come under fire this year for peddling sensitive user information to a third-party server in California. Pathao's reasons for doing this are still unclear but as far as it goes, it was unnecessary for the company to store user contact. Under the existing laws, however, both BTRC and Pathao have no right to share user data to third parties unless there was a court order or an issue of national security.



### The controversial Digital Security Bill 2018

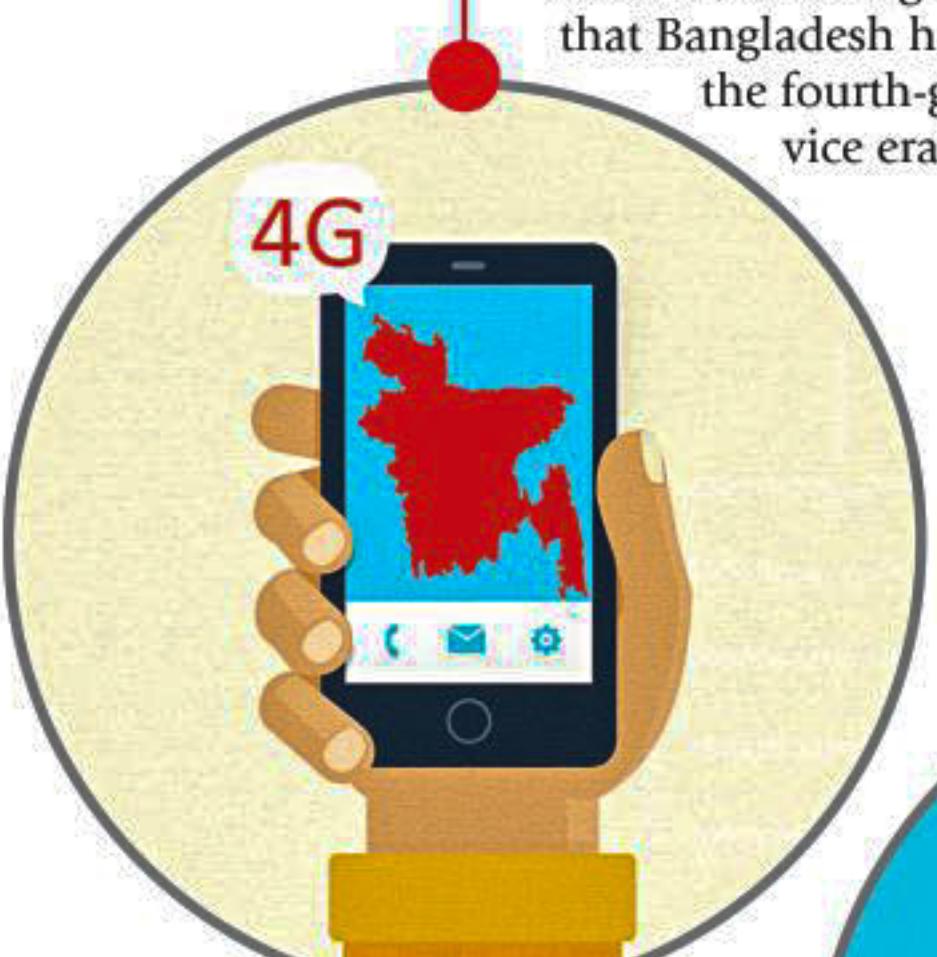
On 20 September of this year, the Digital Security Bill was passed in parliament and it stands as an impedance of independent journalism and free-speech. As per section 32, there will be a fine of Tk. 25,00,000 or a maximum of 14 years of prison for anyone committing crimes through digital means. Section 31 of the act says that a person found spreading hate speech, may face up to seven years in prison or Tk. 500,000 in fine or both. These laws have created a sense of insecurity amongst the citizens of this country. Section 43 of the Digital Security Bill makes it possible for police officials to arrest anyone under the suspicion of a crime being committed or evidence being destroyed further reinstates these fears and insecurities.



**ePassports are here**  
The Department of Immigration and Passports, with assistance from German company Veridos GmbH, have made ePassport services available in Bangladesh this year. It is a 10 year contract ensuring us ePassport services till 2028. Bangladesh is the 119th country to make ePassports available to its citizens. To begin this process, almost a 100 members from the Directorate of Immigration and Passport were taken to Germany to receive training on ePassport services. The ePassport will be the same design as the current passport except for the first two pages which will sport a polymer card embedded with a chip containing the holder's information.

### The launching of 4G services

Grameenphone and Robi were the first to start providing 4G network services in the country, starting on the 19th and 20th of February respectively. Grameenphone were the first to secure 5 million 4G users which is a small proportion of the 9 crore (90 million) active internet users. Although Teletalk's journey into 4G came late in the year, with all the Telcos now providing 4G services, we can go into 2019 knowing that Bangladesh has truly moved into the fourth-generation data service era.



**2018 kept all of us on our toes with its share of groundbreaking tech news and happenings. It was almost dizzying in fact, with so much happening week in, week out. And we aren't just talking about the global tech happenings; but also about the fair share of local news. Undoubtedly, technology is an integral part of our lives. It is such a part and parcel that we are even seeing political parties pledging the introduction of newer technologies as part of their manifesto for the upcoming elections. But as the year draws to a close, what were the biggest stories this year in ICT? From fourth-generation mobile internet, million-dollar satellite in space, data privacy scandals all the way to funding of homegrown startups, BYTES compiles the top tech stories which captured the nation's attention this year.**



### Sending Bangabandhu Satellite-1 in space

Bangabandhu Satellite-1 is our first footprint in space and it was stamped on 11 May, 2018. The satellite is a means to providing Direct to Home (DTH) service for TV channels, VSAT, backhaul and trunking, network restoration, disaster preparedness and relief. Before the Bangabandhu Satellite-1, we had to rent these services from other satellite service providers which would cost us upwards of \$14 million per year. With this satellite in place however, Bangladesh stands a chance to earn up to \$50 million a year from renting out the excess capacity to other countries in the region.

### The year of Digital Financial Services

In between the launching of bKash's app in May, Nagad's unveiling and the aggressive marketing from Ucash and DBBL's NexusPay, digital financial services are more prominent in Bangladesh than it ever was. The bKash app was well received and it has been continuously updated including geolock to prevent fraudulent activities. Out of everything that happened though, Nagad's initial unveiling was a major head turner. Nagad, an initiative of the Bangladesh Post Office, will offer a daily transaction limit of Tk. 250,000 which is much higher than the transaction limit of Tk. 15,000 found on other mobile banking services. The other major launch of this year was iPays, the first online payment platform in Bangladesh.

### Start-up funding

This year, Pathao secured over \$10 million funding from Go-Jek while Shohoz Rides raised over \$15 million from Golden Gate Ventures and some other VCs. Shopup, the Bangladeshi based fintech start-up, raised \$1.62 million from Omidyar Network and angel investors from different large organisations and global banks. Microsoft for Start Ups was also launched this year and its focus is on recommending start-ups for funding. The initiative will also provide technological support and assistance to these start-ups.

### Strides in local hardware manufacturing

It was this year in April that Samsung announced that they would start assembling 4G enabled handsets and start distributions of the first batch during Eid-Ul-Fitr in June. Other companies such as, Aamra, Symphony, Transion Bangladesh (the makers of Itel smartphones) and Daffodil have also opened factories or are in the process of launching their factories in Bangladesh. It was only last year in October that Walton inaugurated their factories and started building laptops, smartphones and other devices. The government are supporting these initiatives, with reducing the custom duty on mobile phone parts by 36 percent, bringing it down to 1 percent. They have also increased the duty on handset imports by 10 percent. Other gadgets, such as, TV, refrigerator, automobile and other light engineering products saw a steep rise too.