

THE YEAR OF 5G

5G has been on everyone's lips this year round. All major developments in adopting this new network technology happened all throughout 2019 and these are just some of the major talking points surrounding the innovation of 5G.



5G PHONES

All the big-name Smartphone manufacturers entered into a 5G race of themselves this year, with 5G variants releasing alongside its flagship counterparts. Samsung, Huawei, Oppo, LG, Xiaomi and Motorola all released a 5G phone this year with Samsung releasing not only flagships, but even releasing a 5G phone for their A-series devices. Although one can argue that in order to tap into the unrelenting speed of 5G, one would not only need to buy these handsets, but also be appropriately located, while also jumping through several carrier caveats; it is a step in the right direction and will only get easier.



INNOVATING IOT DEVICES

The role of 5G in shaping the future of IOT devices has been paramount, with big name companies like Huawei, Ericsson, Qualcomm being vocal about the importance of 5G for the growth of the IOT market. While IOT devices are slowly finding its footing and place in people's lives itself, the growth of 5G is already drastically changing that. More and more companies are looking into addressing IOT solutions, there being a rise of it in the local market as well. Companies like Grameenphone and DataSoft offer their own unique IOT services for home and abroad.

5G IMPLEMENTATION AROUND THE WORLD

There are currently four countries which provide 5G network services— South Korea, United Kingdom, Germany and United States of America. China has also started giving out the license for 5G to prominent carriers in the country. Over in Europe, Denmark, Finland, Iceland, Norway, and Sweden are planning to create an interconnected 5G network amongst themselves. While the 5G race went sour during the US-China trade war, it has since become a matter of who can get the most out of testing facilities and infrastructure while also adequately supporting the telecom operators of their country.



UNDERSTANDING THE SCOPE OF 5G FOR THE FUTURE

5G was at the heart of each and every tech event this year. Huawei took to the stage several times this year to showcase everything that's possible with the integration of 5G in our lives. Huawei hosted an event in September to bring forth their ideas with Global Industry Vision 2025 at the Asia-Pacific Innovation Day. GIV 2025 focused on autonomous robots being a part of everyday life, how 5G can create roads and highway systems of the future and how it will be the gateway towards achieving truly frictionless communication.

BTRC MOVES FORWARD WITH 5G

While 5G has gained heavy traction worldwide, Bangladesh hasn't been too far behind either. BTRC has stated that they are aiming for a full-fledged 5G rollout by 2021 with full coverage across the country by 2026. BTRC have started working on the guidelines required for 5G as early as 2018 with Bangladesh being

the first South Asian country to have a 5G test-run conducted. While Bangladesh is in the same foot race as Pakistan, Myanmar and Thailand, all gunning for a 5G release by 2025, India and Sri Lanka on the other hand are aiming for a 2020 release.

ASIF AYON

2025



Instructory



Instructory: A marketplace for teaching online

Naser's dream was a rather unorthodox one: he wanted to be a math teacher for the underprivileged. So, once done with his studies, he joined an institution as a teacher in one of the most remote parts of Thakurgaon. Thanks to his dedication and perseverance, the underperforming students started to excel in their studies. Naser couldn't be happier with their results. But his happiness was short-lived, as he realised that the meagre salary that he drew as a teacher was barely supporting his livelihood. He thought of taking private tuitions, but the student-families weren't well off to pay for tuition. Understanding the need of teachers like Naser, a bunch of passionate youths made a marketplace to sell unique skills and experience: Instructory. According to the founding team of Instructory, the idea was to build a virtual bridge between teachers and students so that both can benefit. And that's how the idea of this 'on-demand' platform was born. The goal was simple: establishing an online teaching marketplace for the best educators so that they can regain their financial stability, while also helping everyone to learn anything, anytime, from anywhere. As the platform is fully functional now, a teacher can easily earn by sharing their classes with everyone and students can learn from online video tutorials on various topics.

The founders of Instructory plan to integrate teachers from every corner of 64 districts of Bangladesh in their platform gradually. This is a platform where teachers can easily earn by sharing their courses with everyone and students can also prepare for the future through learning

from online video tutorials on various topics.

Starting up with Instructory is simply: register yourself to their website or call them directly. Once you record and upload your video, make sure it's properly labelled. You can then share it within your network. They can buy your tutorial by going to the course URL. Payment is also easy: one can opt for bKash, Visa, MasterCard, mobile or internet banking. And as an instructor, you get your share by 20-25th of every month.

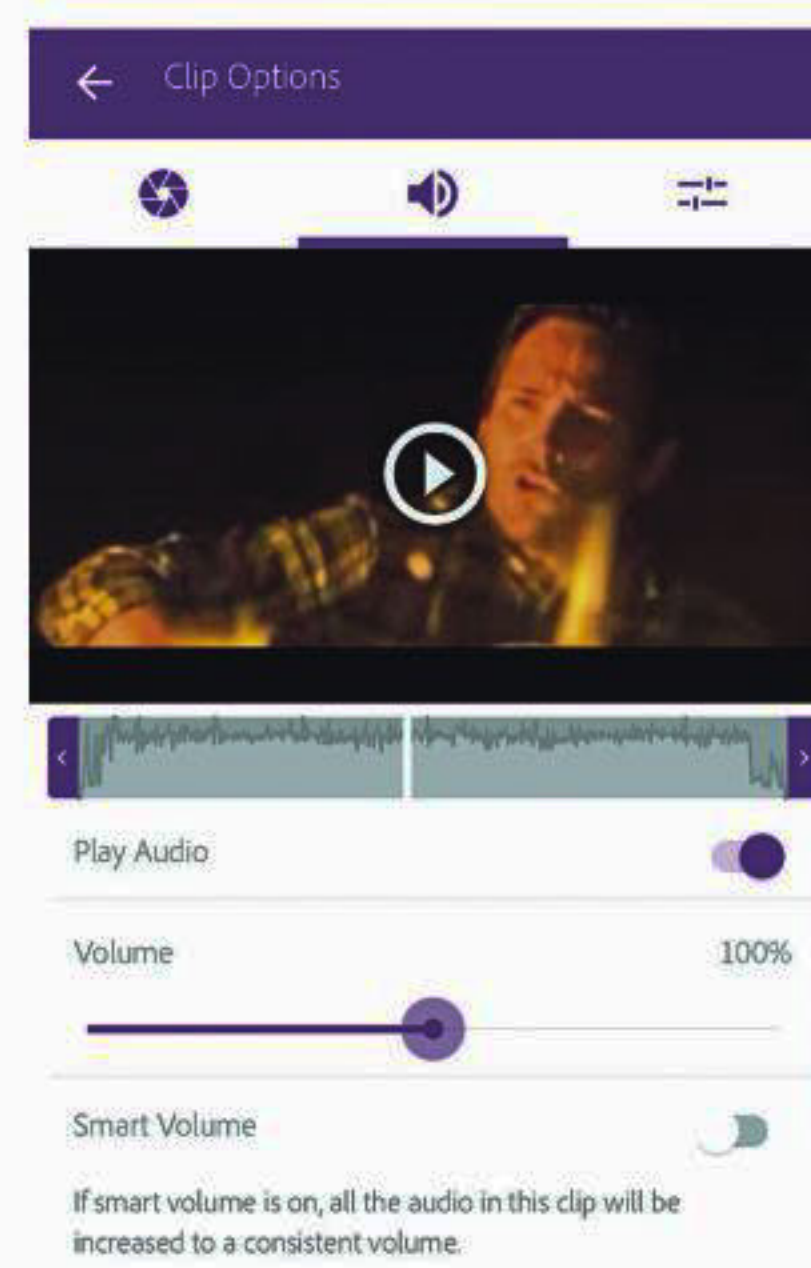
Rifat M Huq, one of the founders of Instructory and the CEO of Shikbhe Shobai, informed that after brainstorming with his fellow founders, they immediately understood the importance of the concept. After doing a market R&D, prototyping and validation testing for two years, Instructory is a ready platform now.

According to Huq, since its launch on May 27, Instructory has gained quite an audience. Students from school, college, university are one of the key subscribers of their services. Although the idea of Instructory originated from academic demands, it is also hosting content on life and professional skills i.e. programming, website development, photography, graphics design, SEO and digital marketing. IT based skill building content are one of the most subscribed topics, according to Huq. When asked regarding long-run plans, Huq replied that, in just over 4 months of operation, we have over 45 instructors. By the end of this year, the Instructory team is expecting to have 100 instructors who will join with them to spread their education from all over Bangladesh.

SHAHRIAR RAHMAN

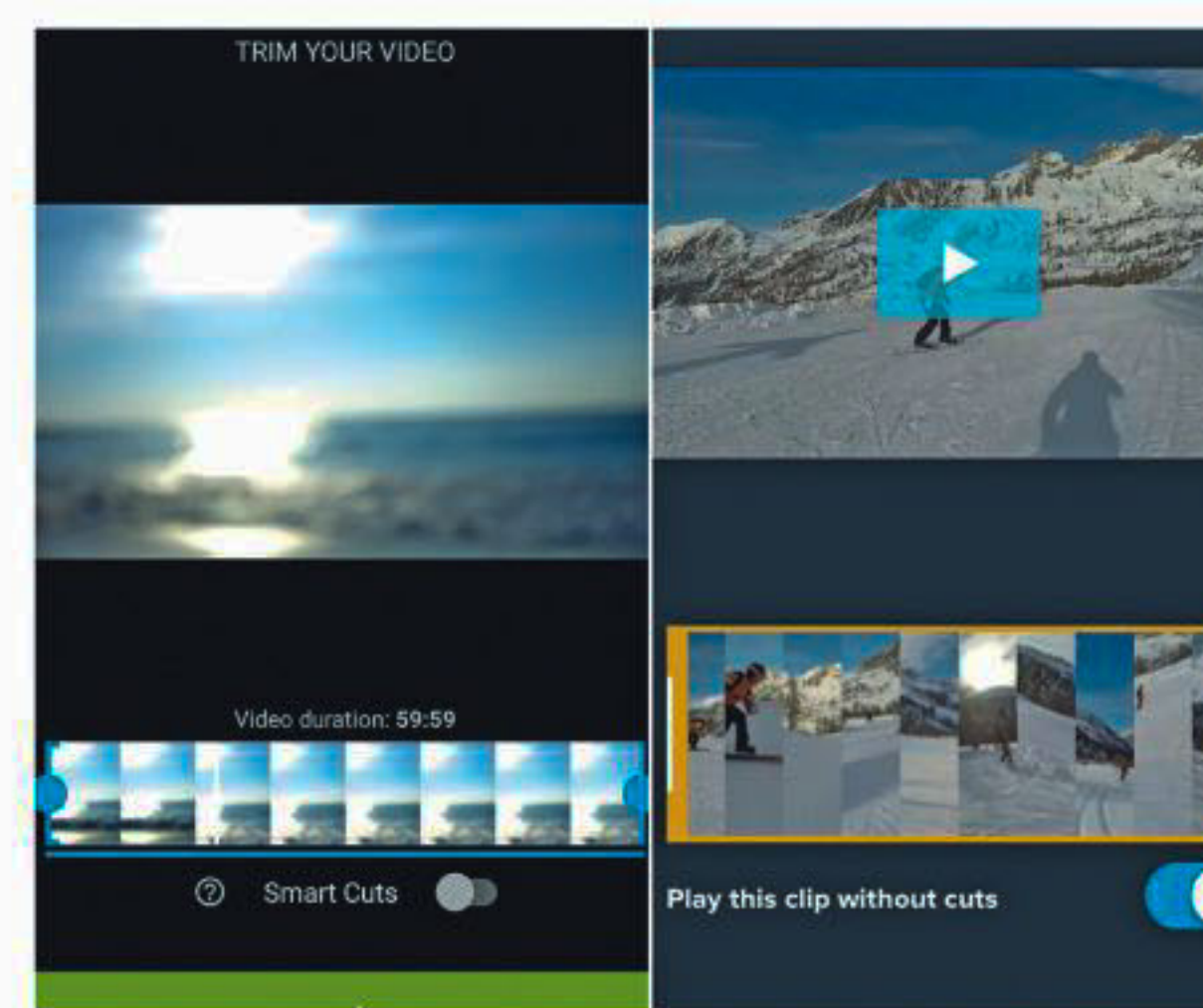
Edit videos on the go with these apps

It's hard to always have a laptop on hand for making small videos and story montages. But thankfully, with these apps in your pocket, you won't ever have to worry about that again.



QUIK

From the makers of GoPro, Quik is another video editing app, which as the name suggests, is quick and easy to use. Formerly known as Replay, Quik manages to make editing simple with just a tap of a few buttons. If you want a reliable editor with an easy enough learning curve, Quik is definitely the one for you, provided you're looking for simple editing.



INSHOT

InShot's plethora of on-board assets such as filters, sound effects, etc. make it a good choice for getting into a unique style of videos and content for your social media feed. Similar to Quik, InShot is geared towards those who are looking for an easy fix. You can also make cool looking slideshows with the app from pictures in your camera roll.



KINEMASTER

Between this and Premiere Rush, Kinemaster has the more manageable learning curve. While the home screen may look nerve wracking at first, once you get the hang of it, there's no looking back. It has the same tools that you'd find on Premiere Rush and while it's free to use, there is a subscription model in place so you'd have to pay in order to avail some features. Most of the main features are however available.

ASIF AYON

Augmedix raises \$19 million to streamline physician services with automated note-taking



GameClub starts offering mobile gaming's greatest hits on a monthly subscription of \$5 per month



Google Maps, Waze and other apps are limited from using the Pixel 4's 90Hz display



Millions of users downloaded around 42 Android apps from Google Play that were infected with adware in 2019, as found by researchers at ESET



Snapchat revenue by 50% in Q3, adding 7 million users along the way

