



Vidya Vikas Education Trust's

Universal College of Engineering

Approved by AICTE, DTE, Maharashtra State Government and Affiliated to Mumbai University

Accredited with B+ Grade by NAAC | Recognised as Linguistic (Gujarati) Minority Institution



COMPILED AND DESIGNED BY:

MS. SAMPADA PIMPALE - MAGAZINE COORDINATOR

ISSUE - 022

MAY- 2020

DEPARTMENT VISION:

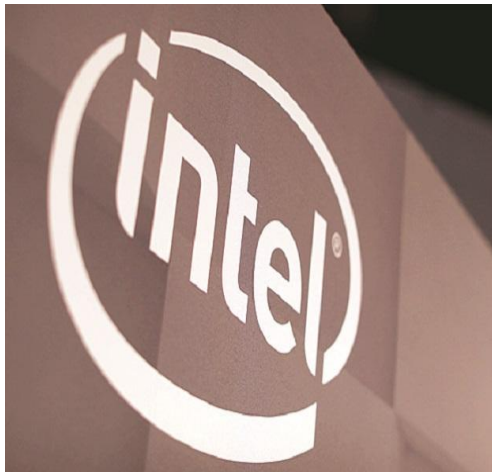
To be recognized for practicing the best teaching-learning methods to create highly competent, resourceful and self-motivated young electronics engineers for benefit of society.

DEPARTMENT MISSION:

- To nurture engineers who can serve needs of society using new and innovative techniques in electronics.
- To improve and apply knowledge of electronics subjects through participation in different technical events.
- To enhance carrier opportunities of electronic students through industry interactions and in plant training.
- To install the passion and spirit among students to pursue higher education in electronics and entrepreneurship.

Intel buys Moovit transit app for \$900 mn to develop self-driving robotaxis

Moovit will remain independent while its technology and the data it collects from more than 800 million users in 102 countries will be integrated into Intel's autonomous car unit Mobileye. Chipmaker Intel Corp has bought Israeli public transit app maker Moovit for about \$900 million to help it develop self-driving "robotaxis" that could take to the streets in early 2022, the company said on Monday.



Moovit will remain independent while its technology and the data it collects from more than 800 million users in 102 countries will be integrated into Intel's Israel-based autonomous car unit Mobileye. The price paid was nearly twice the \$500 million valuation when Moovit last raised money in 2018. Intel owned about 7% of Moovit through a previous equity investment and paid about \$840 million in cash to assume full ownership.

The deal talks started with Moovit seeking to do a capital raise before the novel coronavirus outbreak globally, according to a source familiar with the negotiations.

Moovit had enough cash to sustain itself for about a year, and when the economic impact of the pandemic became evident, it decided to explore an outright sale to Intel, the source added. The deal was negotiated in 40 days through virtual meetings, according to the source. "Moovit is an acquisition that fills some very critical gaps that we have going forward," Mobileye CEO Amnon Shashua told Reuters. The initial goal, he said, was to have a small fleet of driverless taxis in countries like Israel, France and South Korea.

The decision to buy now, when much of the world economy is at a standstill due to the coronavirus outbreak, stems from Mobileye's ability to more accurately predict when its technology will be ready, Shashua said. And the target is 2022. "For a company like Intel, which has a very orderly plan of how the future should unfold, the coronavirus should not be a setback. On the contrary, you should look at the crisis then find opportunities," Shashua said. Moovit has raised \$133 million from investors including Intel, BMW iVentures, and Sequoia Capital. In 2018 it raised \$50 million in an investment round led by Intel Capital. Intel has made significant investments already in Israel, including its \$15.3 billion acquisition of Mobileye in 2017. In December it bought Israeli artificial intelligence firm Habana Labs for \$2 billion.

Source: <https://www.dailypioneer.com/technology/>

Lockdown impact: Digital transactions nosedive in April, shows NPCI data

The value of IMPS (Immediate Payment Service) transactions in April fell to about Rs 1.21 trillion in April, from about Rs 2.02 trillion in March.

Digital payments nosedived in April, as economic activities in the country came to a near standstill due to the nationwide lockdown, data released by National Payments Corporation of India (NPCI) indicated. The value of IMPS (Immediate Payment Service) transactions in April fell to about Rs 1.21 trillion in April, from about Rs 2.02 trillion in March. The transaction count was 122.5 million in April, from 216.8 million in March, NPCI declared on Twitter and Facebook. In February, before the lockdown started, the IMPS counter had witnessed about Rs 2.15 trillion worth of value in 247.8 million transactions.



The IMPS is typically used for transactions up to Rs 50,000. The drop in such payments, 43.72 per cent vis-a-vis February, and 40 per cent since March indicate a huge contraction in economic activities. Similarly, transactions through BHIM and UPI (Unified Payments System) fell 26.7 per cent to Rs 1.51 trillion, from Rs 2.06 trillion in March. The number of transactions fell from 1250 million to 990 million between April and March. In comparison, February witnessed 1330 million transactions for a total volume of Rs 2.23 trillion.

Source: <https://www.dailypioneer.com/technology/>

Corona virus has accelerated importance of AI, hybrid cloud: IBM CEO

Speaking during a keynote at the IBM's Think Digital 2020 conference, Krishna said the pace of adoption of transformation journeys by enterprises has been "compacted" into months. Transformation journeys (of) last few years are now being compacted into months... They're looking for long lasting answers on what they can do with technology to address the key issues that Covid-19 has brought to light," IBM CEO said.

Digital transformation using artificial intelligence and hybrid cloud has accelerated amid the Covid-19 pandemic and these new technologies can play an important role in helping companies gain competitive advantage, IBM Chief Executive Officer Arvind Krishna said on Tuesday. Speaking during a keynote at the IBM's Think Digital 2020 conference, Krishna, who took

charge last month, said the pace of adoption of transformation journeys by enterprises has been "compacted" into months. "The importance of hybrid cloud and AI has accelerated. What has changed is the pace at which they're being adopted. Transformation journeys (of) last few years are now being compacted into months... They're looking for long lasting answers on what they can do with technology to address the key issues that Covid-19 has brought to light," he said.



Source: https://www.business-standard.com/article/technology/coronavirus-has-accelerated-importance-of-ai-hybrid-cloud-ibm-ceo-120050600052_1.html

Google Android 11 Beta 1 coming on June 3, final release expected in Q3

Meanwhile, the technology giant has released a fourth developer preview of the upcoming operating system for the developers. The delay in Android 11 Beta 1 version has also impacted the rollout schedule of the operating system.

Google has delayed the launch of Android 11 operating system's first beta version due to the coronavirus crisis. The Android 11 Beta 1 will now go official on June 3 through an online event. Meanwhile, the technology giant has released a fourth developer preview of the upcoming operating system for the developers.

"When we started planning Android 11, we didn't expect the kinds of changes that would find their way to all of us, across nearly every region in the world. These have challenged us to stay flexible and find new ways to work together, especially with our developer community." the Android Developers team wrote in a blog post. The delay in Android 11 Beta 1 version has also impacted the rollout schedule of the operating system.

Here are some of the key changes in the new schedule:

- Google is releasing a fourth Developer Preview on May 6 for testing and feedback.

- Beta 1 release moves to June 3. Google includes the final SDK and NDK APIs with this release and open up Google Play publishing for apps targeting Android 11.
- Beta 2 moves to July. Google reach Platform Stability with this release.
- Beta 3 moves to August and will include release candidate builds for final testing

“The schedule change adds some extra time for you to test your app for compatibility and identify any work you’ll need to do. We recommend releasing a compatible app update by Android 11 Beta on June 3rd to get feedback from the larger group of Android Beta users who will be getting the update,” the blog post added.



Source: https://www.business-standard.com/article/technology/google-android-11-beta-1-coming-on-june-3-final-release-expected-in-q3-120050700575_1.html

Aarogya Setu 'privacy-first by design', highly encrypted: NITI Aayog CEO

Concerns over the Aarogya Setu App were raised when a French 'ethical hacker' claimed to have access of the users' data and had highlighted security bugs within the app.

The government's Aarogya Setu mobile application is based on "privacy-first by design" principle keeping in mind the safety and privacy of users' data, said Amitabh Kant, CEO of Niti Aayog. He added that the user data from the app would only be provided to those government officials who were directly in charge of containing the spread of the coronavirus in India.

In an exclusive interaction with ANI, Kant informed that Aarogya Setu mobile application has been built to ensure privacy and security of personal information that was collected from people. It is based on "privacy-first by design" principle. "Aarogya Setu has a clearly defined protocol for access to data. National Informatics Centre (NIC) is the fiduciary of the data, and data is only shared with government officials directly involved in Covid-19 related medical and

administrative interventions on a strictly need-to-know basis and limited in scope only to their direct work," said Kant.

Concerns over the Aarogya Setu App were raised when a French 'ethical hacker' claimed to have access of the users' data and had highlighted security bugs within the app which could privacy ramifications. Clarifying apprehensions that some users may have related to data security, Kant said: "When an individual provides his/her mobile number for registration, the Aarogya Setu server assigns an anonymous, randomized unique device identity number (DiD) and associates it with their mobile device. This pair - the mobile number, DiD and other personal information is securely stored in a highly encrypted server."



After registration, the app asks for your name and mobile number (any name that you want to be called by, not your legal name). In addition, it asks for your age and gender (both have a direct co-relation to Covid-19 impact), profession (to ensure people who are in essential services are proactively assisted), countries visited in last 30 days and willingness to volunteer in times of need. "All contact tracing and location information that might have been uploaded to the Aarogya Setu server is permanently deleted 45 days from the date of upload if you have not tested positive for Covid-19 within that period of time. If you are infected, all contact tracing and location information pertaining to you are permanently deleted from the server 60 days after you are declared cured of COVID-19," added Kan.

Source: https://www.business-standard.com/article/current-affairs/aarogya-setu-privacy-first-by-design-highly-encrypted-niti-aayog-ceo-120051100768_1.html

India has over 500 mn active Internet users, 14% aged 5-11: Report

According to IAMAI's 'Digital in India' report, India had 504 million active Internet users, who logged onto the web at least once in the last one month, at the end of November 2019, An estimated 71 million children aged between 5-11 years in India access the Internet on devices of their family members, constituting about 14 per cent of the country's active Internet user base of over 500 million, according to the Internet and Mobile Association of India (IAMAI).

According to IAMAI's 'Digital in India' report, India had 504 million active Internet users, who logged onto the web at least once in the last one month, at the end of November 2019. "Of the overall Internet population, 433 million are of the age of 12 years and above, and 71 million are in the age bracket of 5-11 years who access the Internet on the devices of family members," it added. The data has been curated by Nielsen, based on IRS data.

The report noted that nearly 70 per cent of the active Internet population in India are daily users with nine out of 10 Internet users in urban India accessing the Internet at least once a week. In rural India, the number of accessing Internet daily had grown by 30 million from March 2019, it added.

Interestingly, close to one-third of users access the Internet for 'More than one hour' on Sundays/holidays versus a normal working day. The time spent on the Internet continues to be higher in urban India compared to rural parts of the country.

Source: https://www.business-standard.com/article/technology/india-has-over-500-million-active-internet-users-14-in-5-11-yrs-iamai-120050501152_1.html








Novel Coronavirus

ADVISORY TO PASSENGERS TRAVELLING FROM CHINA



Help us to
help you

Reduce your risk of Coronavirus infection:

-  Frequently clean hands with soap and water or alcohol-based hand rub
-  When coughing and sneezing cover mouth and nose with flexed elbow or tissue-through tissue away immediately and wash hands
-  Avoid close contact with anyone with that has fever and cough
-  Thoroughly cook meat and eggs
-  Avoid unprotected contact with live wild or farm animals

**(+91-11-23978046) - 24*7 Union Health Ministry
Call Centre/Helpline for any technical query on #nCoV**



Source: <https://www.google.co.in/imghp?hl=en&tab=wi&ogbl>



VidyaVikas Education Trust's
Universal College of Engineering
Kaman Bhiwandi Road, Survey No. 146 (Part), Village Kaman, Taluka Vasai,
District Palghar-401212, Ph-+91 8007000755
website- www.ucoe.edu.in/www.universalcollegeofengineering.edu.in