



**INTEGRAL
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DEPARTMENT OF COMPUTER APPLICATION
TECHNICAL COMMITTEE

Presents

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WELCOME TO DIGITAL AND TECHNICAL WORLD

01

Google Announces Release of Chrome OS 103, Chrome OS Beta 104 With New Features

Google has announced the release of Chrome OS 103 for Android, along with the release of Chrome OS Beta 104. The Chrome OS 103 update adds your phone's camera to the Phone Hub as a row of four recent photos. It also brings the Nearby Share feature on Chromebooks that can now receive Wi-Fi credentials from Android. Meanwhile, the Chrome OS Beta 104 is adding Region Capture for desktops. It will allow users to crop self-captured video tracks. The update is bringing new Media Queries Level 4 Syntax and Evaluation as well.



02

Government Orders Employees Not to Use Google Drive, Dropbox, VPNs

A new government order restrict employees from using third-party, nongovernment cloud platforms including Google Drive and Dropbox as well as virtual private network (VPN) services including NordVPN and ExpressVPN. The order passed by the National Informatics Centre (NIC) has been circulated to all ministries and departments and all government employees are required to comply with the directive. The new move by the government comes just weeks after directing VPN service providers and data centre companies to store their user data for up to five years.



03

Intel India opens new design & engineering facility in Bengaluru

Intel India has announced the expansion of its design and engineering footprint in India with the unveiling of a new 4.53 lakh sq. ft facility here. The new centre across two towers can accommodate 2,000 employees and will help advance Intel India's "cutting-edge" design and engineering work in client, data centre, IoT, graphics, artificial intelligence, and automotive segments, a company statement said. It was inaugurated by Union Minister of State for Electronics & IT, Skill Development & Entrepreneurship, Rajeev Chandrasekhar.



Microsoft to end Windows 8.1 support in January 2023

04



Windows 10 and Windows 11 have been much more stable, loved and packed with features, the end for Windows 8.1 is near. Microsoft has announced that it will be ending technical support for Windows 8.1 in January 2023, about 7 months from now. Support for Windows 8 was also similarly ended back in January 2016.

05

Reliance Jio's Mukesh Ambani Steps Down as Director, Akash Ambani Appointed Chairman of Board

Mukesh Ambani has resigned from the board of his group's telecom arm, Reliance Jio and handed over the reins of the company to elder son Akash, a step seen as succession planning by the 65-year old billionaire.



06 Norway Faces Cyberattack, Pro-Russian Hacker Group Accused Behind Activity

A cyberattack temporarily knocked out public and private websites in Norway. The distributed-denial-of-service (DDOS) attack targeted a secure national data network forcing the temporary suspension of online services for several hours, the Norwegian National Security Authority said. A criminal pro-Russian group seems to be behind the cyberattacks, NSM head Sofie Nystrom said



Bitcoin drops over 70% in value

07



The price of bitcoin fell below \$20,000 for the first time since late 2020 in a fresh sign that the selloff in cryptocurrencies is deepening. Bitcoin, the most popular cryptocurrency, fell below the psychologically important threshold, dropping as much as 9% to less than \$19,000, according to CoinDesk.

08 Adobe likely to make Photoshop free to everyone on web

Software major Adobe has started testing a free-to-use version of Photoshop on the web as it aims to open the service for everyone. According to The Verge, the company is now testing the free version in Canada, where users can access Photoshop on the web through a free Adobe account.



09 Apple's AR headset could launch in January 2023

Apple's mysterious AR (augmented reality) and MR (mixed reality) headset has been in the rumour mill for months now, with speculation of an official building ahead of every Apple event. However, the Cupertino-based tech giant has continued to stay mum about the headset so far. Now, a new report suggests Apple could launch the AR headset in January next year.



Google Maps Nearby Traffic Widget Coming Soon to Android

10



Google announced a new upcoming Nearby Traffic Widget for Google Maps. It will be available for Android users soon. The upcoming nearby traffic widget will allow users to get the information for traffic around their current location right from their Android Home screen, according to Google. Users can check for the local traffic scene by just tapping on the nearby traffic widget on Google Maps. Other than this, Google has also revealed a preview of the widget, which seems to appear in 2x2 size.

11 Amazon unveils its 1st fully autonomous mobile robot

First fully autonomous mobile robot called Proteus that autonomously moves through facilities using advanced safety, perception and navigation technology developed by the company. The robot was built to be automatically directed to perform its work and move around employees and does not need to be confined to restricted areas.



12

Crypto exchange FTX is in talks to acquire a stake in BlockFi

Cryptocurrency exchange FTX is in talks to acquire a stake in crypto lender BlockFi, the Wall Street Journal reported, citing people familiar with the matter. The companies had previously announced on Tuesday that BlockFi had signed a term sheet with FTX for a \$250 million (roughly Rs. 1,955 crore) revolving credit facility, which will give BlockFi crucial access to capital amid a rout in the digital currency market. No equity agreement has yet been reached, and discussions are ongoing, according to a recent report from the Wall Street Journal.

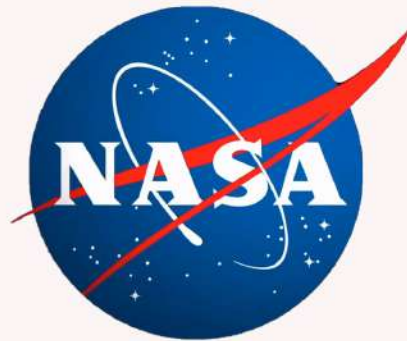


BlockFi

13

Nasa picks 3 firms to design nuclear power plant for Moon

Nasa has picked three design concept proposals for a nuclear fission surface power system design that could be ready to launch by the end of the decade for a demonstration on the Moon. This technology would benefit future exploration under the Artemis mission that aims to land the first woman and the first person of colour on the lunar surface and establish long-term exploration in preparation for missions to Mars



14

Brazil Proposes to Make USB Type-C Chargers Mandatory for All Smartphones, Launches a Public Consultation

The National Telecommunications Agency (Anatel) of Brazil has launched an open public consultation on a proposal to make USB Type-C chargers standard for all smartphones sold in the country. The European Union earlier this month finalised a common charging port for mobile phones, tablets, headphones, and cameras. However, Anatel's new proposal covers only smartphones. The legislation would affect Apple, as the company still uses a proprietary port instead of the USB Type-C. Apple's iPhone models are charged from a lightning cable while Android-based devices are mostly powered using USB Type-C connectors.



15

Microsoft, Meta and Other Tech Giants Form Metaverse Standards Forum Without Apple

Meta, Microsoft and other tech giants racing to build the emerging metaverse concept have formed a group to foster development of industry standards that would make the companies' nascent digital worlds compatible with each other. Participants in the Metaverse Standards Forum include many of the biggest companies working in the space, from chip makers to gaming companies, as well as established standards-setting bodies like the World Wide Web Consortium (W3C)



Metaverse
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