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DEPARTMENT OF COMPUTER APPLICATION
TECHNICAL COMMITTEE

Presents

MAY - 2023

MONTHLY
Tech Dose



WELCOME TO DIGITAL AND TECHNICAL WORLD



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01

United Arab Emirates is heading for the asteroid belt

The spacecraft, named MBR Explorer after Sheikh Mohammed bin Rashid al-Maktoum, the ruler of Dubai and prime minister of the UAE, is scheduled to launch in 2028. Building off the success of its Hope spacecraft, which is still circling and studying Mars, the United Arab Emirates announced plans for an ambitious follow-up mission: a grand tour of the asteroid belt. In February 2030, the spacecraft will arrive at Westerwald, a 1.4-mile-wide asteroid, zipping past at 20,000 mph on its way to visit six more objects in the asteroid belt between Mars and Jupiter. The UAE is a newcomer to spaceflight.



https://www.gadgetsnow.com/tech-news/apple-ceo-tim-cook-hits-europe-for-a-full-fledged-tour-key-details/articleshow/94512633.cms?referrer=amp_articlelist

02

EU tech chief calls for voluntary AI code of conduct within months

EU industry chief Thierry Breton said last week that Alphabet and the European Commission aimed to develop an AI pact as concerns mount about the impact on society particularly from generative AI. The European Union's AI Act, with rules on facial recognition and biometric surveillance, could be the world's first comprehensive legislation governing the technology, but is still going through the legislative process. Leaders of the G7 nations called earlier this month for the development of technical standards to keep AI "trustworthy", urging international discussions on topics such as governance, copyrights, transparency and the threat of disinformation.



<https://economictimes.indiatimes.com/tech/information-tech/tcs-poised-to-seal-likely-2-billion-deal-for-bsnl-4g/articleshow/94542008.cms>

03

Govt to examine WhatsApp's breach of privacy: Minister

The government will investigate a claim that WhatsApp accessed the microphone of smartphone users while the phone was not in use, Minister of State for Electronics and Information Technology Rajeev Chandrasekhar said. In a tweet, the minister said the government will examine the alleged breach of privacy even as the new Digital Personal Data Protection Bill was being readied. This followed a claim that WhatsApp accessed a user's microphone while he was sleeping.



Reference - <https://gadgets360.com/telecom/news/reliance-jio-5g-rollout-october-dial-plans-full-coverage-2023-end-3296296>

Computex 2023: All the major announcements

04



COMPUTEX
TAIPEI

Computex is finally back to its in-person format after three long years. Taking place in Taipei, Taiwan, Computex 2023 is the event to follow to get all the updates related to the latest PC world and innovations from renowned brands. This year's Computex goes beyond hardware and will showcase software, services, and, of course, the ever-evolving field of artificial intelligence-powered products and services.

05

Govt has used technology as source of empowerment, to ensure social justice: PM Modi

Be it JAM trinity, CoWIN portal or digital market for farmers, his government has used technology as an "agent of inclusion", he said, adding that there is some technological solution available at every stage of life right from one's birth. The prime minister said his government's thrust on science and technology has ushered in a big change and noted that around 4,000 patents used to be registered annually 10 years back but it is over 30,000 now.



<https://indianexpress.com/article/technology/tech-news-technology/google-chrome-to-soon-add-fingerprint-locking-for-incognito-tabs-heres-how-it-will-work-8156967/>

06

RailTel and NuRe Bharat Unveil All-in-One Railway App

3i Infotech-led consortium NuRe Bharat Network and RailTel on 16 May 2023 unveiled PIPOnet mobile app which aims to provide all services, including e-ticketing, travel, stay reservations, and entertainment apps, for railway passengers. NuRe Bharat Network CEO Sax Krishna said that the app will become available on Android Play Store in the next two weeks. He said that PIPOnet will allow the advertisers to connect deeply with the people of Bharat across Tier 1,2,3 and 4 towns of India.



https://www.gadgetsnow.com/tech-news/apple-to-launch-standalone-classical-music-app-this-year/articleshow/94587043.cms?referrer=amp_articlelist

09

AI means everyone can now be a programmer, Nvidia chief says

Nvidia has surged to become the world's most valuable listed semiconductor company as a major supplier of chips and computing systems for artificial intelligence. Nvidia has surged to become the world's most valuable listed semiconductor company as a major supplier of chips and computing systems for artificial intelligence. The company last week forecast second-quarter revenue more than 50% above Wall Street estimates and said it was boosting supply to meet surging demand for its artificial-intelligence chips, which are used to power ChatGPT and many similar services.



<https://indianexpress.com/article/explained/explained-sci-tech/pm-narendra-modi-to-launch-5g-tomorrow-october-1-882334/>

Coding for a cause: 20-yr-old Asmi Jain from Indore wins WDC23 challenge with health app

07



For 20-year-old Medi-Caps University student Asmi Jain, coding is more than just a skill – it's a way of making a difference. When she learned that her friend's uncle had suffered from eye misalignment and facial paralysis after brain surgery, she decided to use her programming talent to create a solution. Her innovative playground app, using the Swift coding language, uses eye-tracking technology to help users exercise their eye muscles and improve coordination by following a moving ball on the screen.

https://www.gadgetsnow.com/tech-news/eu-proposes-rules-making-it-easier-to-sue-drone-makers-ai-systems/articleshow/94595699.cms?referrer=amp_articlelist

Microsoft partners with British Council to develop English skills of 400,000 young Indians

10



The 'English Skills for Youth' solution will be integrated into rural engineering colleges. British Council and Microsoft India have entered into a three-year partnership programme called 'English Skills for Youth' aimed at empowering young people, particularly women, in socio-economically disadvantaged communities across India. The Memorandum of Understanding (MoU) signed between the two organisations highlights the objective of enhancing employability opportunities for youth aged 18-25.

<https://healthitanalytics.com/news/harvard-stanford-develop-self-supervised-ai-to-detect-disease-via-x-ray>

08

A camera without lens ? Paragraphica generates images using location data & AI

Introducing Paragraphica, the world's first context-to-image camera that visualises a photo based on location data and AI. The camera comes as a physical unit and a virtual camera that users can try. According to the official website, the camera works by collecting location data with the help of open APIs (application programming interfaces). It uses information such as time of the day, address, weather, and places in the vicinity. Paragraphica writes a paragraph based on the combination of all these details.



https://www.gadgetsnow.com/tech-news/ed-sizes-bitcoin-worth-rs-12-83-crore-after-the-kolkata-gaming-app-fraud/articleshow/94595604.cms?referrer=amp_articlelist

11

From green blood to limited playtime: A look at the new features on BGMI

With its second comeback to India, the studio has made several changes to BGMI in compliance with the Government of India. Much to the joy of mobile gamers, Krafton's BGMI (Battlegrounds Mobile India) version 2.5 is finally available for both Android and iOS devices. BGMI is reported to have over 100 million active players and has clocked over 130 million downloads on the Google Play Store. With its second comeback to India, the studio has made several changes in compliance with the Government of India.



<https://www.theverge.com/2022/9/27/2337502/intel-samsung-display-slidable-pc-concept>

News of the Month

Digital technology in education sector

The Covid pandemic has made this process much faster, relevant and robust. By deploying remote learning technologies through a combination of TV, radio, online and mobile platforms, a large number of institutions were able to cater to the educational needs of their students. The G20 Education Working Group Meeting on 'The Role of Digital Technologies in Education' comes as a key development in this regard, highlighting a slew of present and prospective technological measures. Identification of core areas and themes to promote possible research and academic collaboration among educational institutions in G20 member countries, is a huge development, as the group comprises some of the most developed countries of the world, who use world-class research, innovation and cutting-edge technologies in this domain. The selection of priority areas for deliberations such as 'Foundational Literacy and Numeracy', 'Tech-enabled learning', 'Future of work' and 'Research and innovation collaboration', - broad-based discussions with enriching inputs from sectoral experts.

Hence, the union budget 2023 emphasises much on digitisation of education. The Digital India programme has received Rs 4,795.24 crore, and to boost digital infrastructure, the government has proposed initiatives like Digital Libraries and Digital Universities. States have also been urged to set up physical libraries at panchayat levels to provide infrastructure for accessing the National Digital Library resources. Digital initiatives with a focus on artificial intelligence terming it a step towards the 'digital revolution', have been hailed by all. Three centres of excellence for AI and 100 laboratories in engineering institutions for developing applications using 5G services, will only add to this process of digital revolution. Digital Universities aim to reach out to the remotest regions of the country with quality, skill-based and job-oriented courses and training.



World's Password Day

Password Management Mistakes to Avoid

Not using multi-factor authentication:

Use this feature wherever possible, it prevents 99.9% data breaches



Storing passwords in plaintext:

Never store your password in a note on your phone or written on a sticky note. Use a password manager instead.



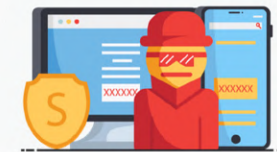
Not changing your password after a data breach:

Change your password immediately upon learning of a compromised account.



Prioritizing convenience over security:

Don't focus on what's easiest to remember or what's the least hassle when creating a password, your security depends on it.



Reusing passwords: Even if you have a strong and complex password, create a unique password for every account.



National Technology Day

National Technology Day is celebrated in India on May 11 every year to commemorate the historic nuclear test carried out by India on May 11, 1998, in Pokhran, Rajasthan. The successful testing of the nuclear bomb, code-named Operation Shakti, made India the sixth country in the world to possess nuclear technology. Former Prime Minister Atal Bihari Vajpayee first declared May 11 as National Technology Day in 1999 to honour Indian scientists, engineers, and technologists.

Important Facts

There are more than 3.8 billion Social media users on the planet.

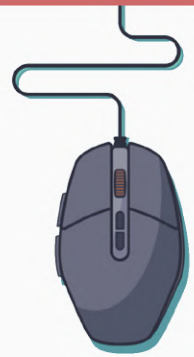


Free domains were available until 1995.

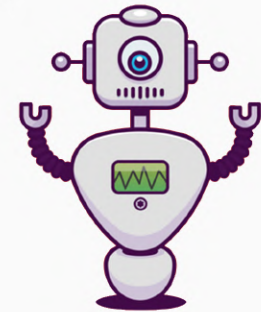
Radio took 38 years to achieve 50 million people, whilst the web only took four years.



The Mouse was originally known as the X-Y Position Indicator in the 1960s.



Robots will be used to perform the majority of the tedious and unneeded tasks in the future. In Czech, the word “robot” literally implies “forced labour.”



Technophobia is a dread of technology that certain individuals have, much like any other phobia.

Email existed long before the WorldWideWeb, often known as the Internet. Ray Tomlinson invented the former in the 1960s, while the latter was founded in the late 1980s.



According to 2019 data, you spend an average of ten years of your life watching television. With Netflix, Prime Videos, and a slew of other video streaming applications, usage may skyrocket.

