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**INTEGRAL
UNIVERSITY**
LUCKNOW (INDIA)



DEPARTMENT OF COMPUTER APPLICATION
TECHNICAL COMMITTEE

Presents

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Tech Dose



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WELCOME TO DIGITAL AND TECHNICAL WORLD

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01

UK Drone company performs First Microgravity Experiment

A British startup has successfully provided a first-of-its-kind microgravity service using a drone. The firm, called Gravitilab, flew its specially-modified LOUIS UAV quadcopter to an altitude of 2,000 feet (600 meters) before purposefully dropping a capsule carrying scientific experiments. The drop caused the capsule's contents to experience weightlessness for roughly five seconds. During that time, sensors took readings of the scientific payloads. Scientists have long used ground-based drop towers to achieve weightlessness for a brief moment, allowing them to study particles and objects under the effects of microgravity.



02

Tech Mahindra to open its first data, AI and cloud centre in Saudi Arabia



Tech Mahindra said on Wednesday, February 8 that it has signed a Memorandum of Understanding (MoU) with the Ministry of Communication and Information Technology of Saudi Arabia to set up a data, AI, and cloud centre of excellence (CoE) in Riyadh. The data & AI and cloud CoE will enable accelerated and sustainable adoption of data analytics and ethical AI. It will further drive cloud-enabled transformation across industries to develop local assets, intellectual property (IP) and promote a cognitive approach across smart services to contribute to Saudi Vision 2030's digital-led transformation objectives.

03

Telegram adds real-time message translation in its new update

Telegram Messenger has added major features in its latest update to its application, including Translating Entire Chats, Profile Picture Maker, Emoji Categories etc. With the "Translating Entire Chats" feature, premium users will be able to translate entire chats, groups and channels in real-time by tapping the Translate bar at the top. However, all users can translate individual messages by selecting them and tapping "Translate".



India's First AI-Based Chatbot "Lexi" Introduced in India

04



India recently launched its first AI-based chatbot named Lexi powered by ChatGPT which is a complex computer machine. The chatbot has been invented by the financial technology firm Velocity. This chatbot is designed to provide assistance to e-Commerce founders with business insights in a simplified manner. Moreover, it has been integrated with Velocity's own analytics tool i.e. Velocity Insights.

05

Microsoft uses ChatGPT to instruct robots, drones

Microsoft has conducted research to see if people can use ChatGPT to instruct robots without knowing programming languages or understanding robotics systems. After ChatGPT was given access to object-detection and object-distance data via application interfaces, the Microsoft researchers investigated its ability to generate code, mostly in Python, for robotics scenarios such as zero-shot planning and code generation.



06

US nominates ex Mastercard CEO Ajay Banga to head World Bank

United States President Joe Biden has nominated former Mastercard CEO Ajay Banga to become president of the World Bank, hailing his business experience in his native India and his commitment to mobilizing private funds to help developing countries grapple with climate change. The World Bank said on Wednesday, 22nd February that it expects to select a new president by early May to replace David Malpass, who announced his resignation last week after months of controversy over his views on climate change and pressure by US Treasury Secretary Janet Yellen for him to adopt “bolder and more imaginative” reforms.



OpenAI introduced tool to detect AI generated text including from ChatGPT



OpenAI, the world-renowned Artificial Intelligence research organization, has recently announced the launch of its latest AI tool, the AI Text Classifier. This AI tool is intended to recognize and distinguish content created by the popular language model ChatGPT from the human-written text. The features of the language model have been used in a variety of applications, including chatbots, automated content production, and even language translation.

08

Paytm's UPI Lite will now let users make payments without using PIN

- Paytm, the popular payments app, has introduced a new feature called UPI Lite that makes it easier for users to make small value transactions without needing to enter a PIN every time. With more than 50 per cent of transactions through UPI below Rs 200, UPI LITE will successfully provide a distributed way of authorizing low value transactions, moving them away from core banking.



09

Ola, Uber and Rapido bike taxi services banned in Delhi

The Delhi government announced ban on bike taxis with immediate effect. The decision will affect cab aggregators such as Ola, Uber, and Rapido, which are popular in the city. The Delhi transport department says that two-wheelers having non-transport (private) registration marks/numbers are being used to carry passengers. The government notice indicates that using personal vehicles as commercial taxis violates Motor Vehicle Act, 1988. The move will also affect many customers that rely on two-wheelers via Ola, Uber, and Rapido amid surging fares of cabs.



AI-powered Bing refuses to write job letter, calls it unethical



Bing, Microsoft's latest AI-powered tool, made headlines when it refused to write a cover letter for a job application. The AI system declined the task because it would be “unethical” and “unfair to other applicants.” Bing is an AI writing tool from Microsoft that uses advanced algorithms to assist users with their writing tasks. The tool can write articles, essays, and even emails. However, it appears that writing a cover letter for a job application goes against the company's principles of fairness and impartiality.

10

11

Facebook, Instagram Begin Rolling Out Paid Verification Service in Australia, New Zealand

Facebook and Instagram began a week-long rollout of their first paid verification service, testing users' willingness to pay for social media features that until now have been free. Facing a drop in advertising revenues, parent company Meta is piloting a subscription in Australia and New Zealand before it appears in larger markets. The service will cost \$11.99 (roughly Rs. 990) on the web and \$14.99 (roughly Rs. 1,240) on the iOS and Android mobile platforms.



12 Telangana Government Joins Forces With Bharat Web3 to Boost Blockchain Initiatives

Web³

The Telangana government has signed a memorandum of understanding (MoU) with the Bharat Web3 Association to stir discussions around the blockchain technology. The India-centric crypto advocacy organisation, that was formed in November 2022, has crypto players like CoinSwitch Kuber and WazirX among others as participatory members. As part of this fresh partnership, the Telangana government is looking at creating a nurturing ecosystem for Web3 developers and players to boost the growth of the overall blockchain industry.

India saw 20.5 billion online transactions worth Rs 36 trillion in Q2

India saw 20.57 billion online transactions worth Rs 36.08 trillion in the second quarter (Q2) this year. The online transactions were processed through debit and credit cards, prepaid payment instruments like mobile wallets and prepaid cards and UPI which includes P2M (person to merchant) and P2P (person to person) transactions. "UPI P2P accounted for 49 per cent in volume and 67 per cent in value but in terms of merchants' transaction. Transactions volume and value have seen an increase about 118 per cent increase in volume and over 98 per cent increase in value in Q2 2022 as compared to Q2 2021. UPI now has 346 partner banks as a part of the ecosystem. It is now accepted in countries like the UAE, Singapore, France and Bhutan.



14 Indian government blocked 232 Betting and Loan apps that are linked to China and other countries



The government has blocked 232 apps operated by overseas entities, including Chinese for being involved in betting, gambling and unauthorised loan service. Ministry of Electronics and IT (MeitY) has issued orders to block these apps following instructions from Ministry of Home Affairs. The order to block 138 apps that were involved in betting, gambling and money laundering were issued last evening. Separately, an order to block 94 apps engaged in unauthorised loan service has also been issued. They were posing a threat to the economic stability of the country.

15 Google will soon allow Users to delete 15 minutes history on Android

- Google Chrome is set to introduce a 'quick delete' option to its Android app. This would allow users to quickly clear their browsing history and cache from the last 15 minutes. On the desktop version of the browser, Chrome currently gives the following options - Last hour, 24 hours, 7 days, 4 weeks, and all time. With the 15-minute feature, Android users will get even more control and convenience over their web history. The feature is expected to be available in the upcoming version of Chrome for Android, currently in development.

android



Unknown Facts



In 1971, the first ever computer virus was developed. Named Creeper, it was made as an experiment just to see how it spread between computers. The virus simply displayed the message: "I'm the creeper, catch me if you can!"



QWERTY keyboard was designed to slow down the typing speed



Google's First Tweet was in binary. Google's first tweet was in 2009, and it was gibberish to most. Translated from binary to English, it reads, "I'm feeling lucky".



News of the Month

WhatsApp will soon give 15 minutes to fix all the errors

When it comes to WhatsApp, it is one of the most popular instant messaging platforms in the world as it is being used by more than 2 billion users across the globe. WhatsApp is reportedly working on a feature that will give users up to 15 minutes to edit their messages to fix errors, if any, or add additional information to the original message. In addition to this, the Meta-owned platform will also show a message if the feature is not supported by the WhatsApp version on your smartphone. If you are using an older version of the instant messaging service that is not compatible with this ability, users will get the message 'You can see the edited message if you're on the latest version of WhatsApp.'

HOW IT WORKS

WABetaInfo said, WhatsApp beta for iOS 23.4.0.72 – which brings this 'edit message feature' – also fixes a crash that prevented users from playing within chats and status in the previous WhatsApp beta for iOS 23.4.0.70 update. For the timelines, the ability to edit messages in up to 15 minutes, meanwhile, will be released in a future update of the app. This new edit feature comes in handy if you want to fix any spelling or grammatical mistakes or add or remove some information. It appears that this feature is still under development but was recently spotted on WhatsApp beta for iOS 23.4.0.72, which was released for those enrolled in the TestFlight program.



TOP 10 CRYPTOCURRENCES



YOUTUBE CHANNELS

Learning Channels & Websites

CodeWithHarry
Anuj Bhaiya
Apni Kaksha
Jenny's Lecture
Gate Smashers
Bhagwan Singh Vishwakarma
Telusko
MySirG.com
Programming with Mosh
freecodecamp.org
Traversy Media
Derek Banas
Clever Programming
thenewboston
LearnCode.academy
mycodeaschool

CODING PRACTISE

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www.geeksforgeeks.org
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www.studytonight.com
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WEBSITES

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www.interviewbit.com