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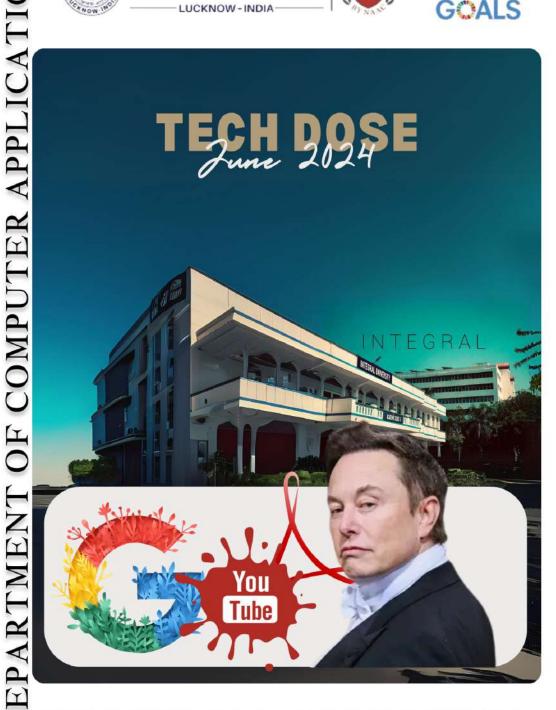
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INTEGRAL UNIVERSITY
LUCKNOW - INDIA

SUSTAINABLE DEVELOPMENT GOALS

TECH DOSE
June 2024

INTEGRAL

1   Tesla CEO Elon Musk Faces Shareholder Lawsuit for Alleged $7.5 Billion Insider Trading

A Tesla shareholder, Michael Perry, has sued Elon Musk for insider trading in Delaware Chancery Court. Perry claims Musk sold over $7.5 billion in Tesla shares in late 2022, before the release of disappointing production and delivery figures in early 2023, allegedly profiting $3 billion. Perry is seeking the return of these profits.

3   YouTube Testing a Dream Screen Feature for Shorts That Will Generate Images for Green Screens

YouTube is testing "Dream Screen," an AI feature for Shorts that adds custom green screen backgrounds. Announced on YouTube's support page, this tool lets users generate backgrounds by describing them with text prompts, such as a "fancy hotel pool on a tropical island." Currently, it's available to a select group of Shorts creators.

Instagram Reportedly Testing 5-Second Unskippable Ad Breaks Feature   2

Instagram is reportedly testing a new feature called "Ad Breaks," which introduces unskippable ads, as shared by users on Reddit. While Meta hasn't confirmed this, the feature's arrival has frustrated many users. In the Instagram subreddit, user @notthatogwiththename highlighted this update, sparking numerous comments from users who were unaware of the change and expressed their dissatisfaction, with some considering leaving the platform for alternatives.

Humane AI Pin Users Told to Stop Using Charging Case Over Fire Risk   4

Humane Inc. has advised users to stop using the charging case for its Ai Pin device due to a fire risk from a battery issue. The company has disqualified the current battery supplier and is searching for a new one. Ai Pin users can charge their devices using the home dock instead. This comes amid ongoing criticism of the Ai Pin's features and interface since its launch. The charging case is now marked as "out of stock," and Humane is offering affected users two free months of the subscription service.

5 Wix Launches AI-Powered Mobile App Builder That Can Create Apps With Text Prompts

Wix launched a new AI-powered chatbot for its mobile App Builder, simplifying the app creation process. The tool, part of Wix's cloud-based no-code platform, uses a conversational AI experience to help users design and deploy branded apps on iOS and Android without technical expertise. This update follows Wix's introduction of AI tools for website development earlier this year.

OpenAI, Google DeepMind Employees Warn of AI Risks, Demand Better Whistleblower Protection Policies 6

Employees of OpenAI and Google DeepMind have signed an open letter calling for better oversight and whistleblower protections in AI development. Endorsed by AI pioneers Geoffrey Hinton and Yoshua Bengio, the letter warns of risks such as societal inequalities, misinformation, and loss of control over AI. It criticizes current self-governance practices as insufficient and claims financial incentives push companies to neglect potential dangers.

7 YouTube May Soon Allow Users to Add 'Notes' Below Videos, Similar to X's Community Notes

YouTube is reportedly preparing to introduce a new feature called "Notes" that will allow users to add contextual information below videos. Similar to Twitter's Community Notes, this feature aims to clarify content on the platform, such as indicating when a video is a parody, updating product reviews, or identifying old footage misinterpreted as current events. YouTube's goal with Notes is to enhance clarity and combat misinformation effectively.

8 Adobe Acrobat Reader will now allow users to generate and edit images in PDFs . Here's how the new feature works

Adobe is adding some new generative AI features to Acrobat Reader to help users be more creative and productive with digital documents. The company will now allow users to create and edit images in PDFs using just text prompts.
Powered by Firefly AI, Adobe says Acrobat is the first application to offer in-app generative AI capabilities. The new update adds two new features: Edit Image in Acrobat and Generate Image in Acrobat.

YouTube intensifies fight against ad blockers by embedding ads in video streams 9

YouTube is intensifying its fight against ad blockers by integrating ads directly into video streams. This new approach aims to thwart existing ad-blocking tools and addresses user frustrations with interrupted video playback when ad blockers are active. This move signifies a shift from traditional separate ads to a more integrated model, potentially impacting how users experience advertisements on the platform.

10 DuckDuckGo will now allow you to anonymously use ChatGPT, Claude and Meta AI for free. Here's how it works

Privacy-focused search engine DuckDuckGo will now allow its users to anonymously access popular AI chatbots such as OpenAI's ChatGPT (based on GPT-3.5), Anthropic's Claude 3 Haiku, Mixtra 8x7B and Meta Llama 3 for free. The new feature aims to help people harness the power of generative AI, while also addressing privacy concerns that users may have when using these chatbots.
The new feature, called AI Chat, is free to use with a daily limit and can be turned off if needed. DuckDuckGo says it also plans to introduce a paid tier with a higher daily usage limit and more AI models.

11 — Online Payment Frauds Jump Over 400 Percent in India, RBI Data Shows

India's digital payment fraud surged over fivefold to ₹14.57 billion ($175 million) in the year ending March 2024, per the Reserve Bank of India. The spike coincides with a 137% growth in UPI transactions to ₹200 trillion, driven by broader internet access and financial inclusion. Nikhil Jois from Bureau notes increased digital payment popularity makes India a prime target for fraud, exacerbated by limited financial literacy and lax security measures from financial institutions and fintech companies.

https://www.gadgets360.com/cryptocurrency/news/cbdc-india-digital-rupee-permanent-deletion-transaction-history-offline-mode-rbi-shaktikanta-das-5607891

Google NotebookLM Gets Upgraded to Gemini 1.5 Pro, Rolls Out in India and Other Markets: How It Works — 12

Google's NotebookLM, an AI-powered research and writing assistant, has expanded to over 200 countries and regions, including India. Initially introduced as Project Tailwind, NotebookLM now features enhanced capabilities such as integrating web URLs, Google Slides, and providing inline citations. Powered by the Gemini 1.5 Pro AI model, it now supports multimodal input, allowing it to analyze and respond to questions about images, charts, and diagrams, in addition to text.

https://www.gadgets360.com/apps/news/google-wallet-launch-india-pay-app-digital-wallet-passes-tickets-5616432

13 — TCS Launches Generative AI Aggregation Platform WisdomNext for Businesses

TCS has launched WisdomNext, an AI aggregation platform for enterprises, aimed at optimizing the adoption of generative AI models. It allows businesses to experiment with and compare various AI solutions, offering real-time assessments, cost optimization suggestions, and compliance features. WisdomNext aims to simplify AI adoption and enhance efficiency across different cloud platforms and AI ecosystems.

https://www.gadgets360.com/apps/news/zomato-weather-union-crowd-supported-real-time-weather-monitoring-system-unveiled-5623309

14 — Reliance's Jio Platforms Clears Hurdle in Bid to Launch Satellite Internet in India

A joint venture between Reliance Industries' Jio Platforms and Luxembourg-based SES, called Orbit Connect India, has received approvals from the Indian space regulator to operate satellites for providing high-speed internet access. These approvals were granted by the Indian National Space Promotion and Authorisation Centre (IN-SPACe) in April and June. However, further permissions from the Department of Telecommunications are required before the satellite-based services can commence operations in India.

https://www.gadgets360.com/ai/news/hanooman-ai-india-98-languages-support-launched-features-specifications-5651635

CNAP Caller ID Service Trials to Curb Spam Calls Rolled Out in Limited Form in India — 15

Telecom operators in India have initiated limited trials of the Calling Name Presentation (CNAP) feature in Mumbai and Haryana. This service, aimed at displaying caller ID information directly on mobile phones, is being tested to combat fake and scam calls. The trials come amid pressure from the Telecom Regulatory Authority of India (TRAI) and the Department of Telecommunications (DoT) to implement CNAP nationwide, potentially reducing reliance on third-party caller identification apps for Indian consumers.

https://www.gadgets360.com/ai/news/dd-kisan-ai-anchors-unveil-may-26-ninth-anniversary-farmers-doordarshan-5736247

NEWS OF THE MONTH

WHERE IS AI STRUCK?

There is hope that Artificial Intelligence will one day surpass humans. The world's largest IT companies are investing in AI. Let's know how far this adventure has progressed and what the difficulties are.

Financial Issues

Alphabet, Amazon, Apple, Meta and Microsoft will spend about $ 400 billion on AI related hardware for research and development. Experts estimate that the earnings will be much less than the expenses.

Job Issues

Companies are currently using generative AI for small tasks but there is a fear that AI will increase unemployment. Firms like Walmart increased the use of AI, but there was no significant impact on profits.

Lack of Use

According to consultancy McKinsey, the data on AI usage in business processes is only 5%. In Britain, AI is being used in maximum 20% of businesses, but the growth rate is low everywhere else.AI thrives on data, and the absence of sufficient data can cripple its effectiveness

Rapid Change

The world of AI is not only expensive but is also changing rapidly, Far example, within a short time vision-language-action model came from large language models in such a situation, companies are avoiding investing money in the technology which is changing and will soon become obsolete.

Concern over Security

Technology has greatly incremented the value of data but at the same time the risks associated with it have also increased The biggest threat is to data security. Companies fear that if the algorithm is biased, then the final finding will so be biased. Fast-food chain McDonald's recently cancelled its trial of drive-through ordering through AI as the system started making mistakes there.

Artificial Intelligence in Space Exploration

The vast expanse of space is no longer beyond the reach of artificial intelligence. In space exploration, AI plays a significant role in enhancing our understanding of space. NASA's Mars rovers, for instance, use artificial intelligence for autonomous navigation and decision-making. AI algorithms analyse the Martian environment, navigate the rover around obstacles, and determine optimal routes for exploration. As we venture deeper into the cosmos, artificial intelligence emerges as an invaluable companion, contributing to the success and efficiency of space missions.

Autonomous Navigation and Operations

One of the most critical applications of AI in space exploration is autonomous navigation. Spacecraft and rovers equipped with AI can navigate and make decisions without constant human intervention. This autonomy is crucial for missions to distant planets or moons, where communication delays can range from minutes to hours.

Planetary Exploration

AI enhances planetary exploration by enabling more sophisticated and autonomous scientific investigations. AI-powered instruments can analyze soil samples, detect chemical compositions, and identify signs of life or habitable conditions.

How NASA Uses AI in Space Exploration

Self-Driving Rovers on Mars

Medicine in Space – Exploration Medical Capability (ExMC)

Finding Other Planets – Planetary Spectrum Generator

Navigation on the Moon – Deep Learning Planetary Navigation

NATIONAL EMAIL WEEK

National Email Week is celebrated every year in the second week of June. This year, it will take place from June 9 to 15. We know we're not exaggerating when we say that emails have changed the world.

Emails are now the preferred way of communicating and they can also be the easiest, most low-cost, and most effective way of communicating.

History of National Email Week

Emails came into the picture soon after the internet was invented, or maybe even slightly before that.

But it was in 1971 that Ray Tomlinson invented and developed the electronic mail we know and love today, by creating ARPANET's networked email system. He was the genius behind coming up with the @ symbol, which may now be his most enduring contribution to the internet.

By the 1980s, internet service providers had begun connecting people across the world, and email hosting sites began popping up to get in on the action. By 1993, the bulky term electronic mail was replaced by email, and internet use had become more common.

NATIONAL EMAIL WEEK TIMELINE

1965 - The Early Mail
The earliest version of what would become an email is invented at MIT.

1969 – The First Computer to Computer Message
On October 29, the first message is sent from one computer to another on ARPANET.

1971 – The Invention of the @
American computer programmer Tomlinson comes up with the @ symbol to send emails to different computers effectively.

1988–Microsoft Mail
The first version of Microsoft Mail is released for Mac OS, which allows AppleTalk Networks users to send messages to each other.

1989 – The Dial-up Days
CompuServe starts an internet-based email service by offering internet connectivity through dial-up phone connections.

1993 – Microsoft and AOL
Microsoft Outlook's first version is released while, at the same time, U.S. internet service provider AOL connects its email system
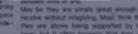
1996 – Remember Hotmail?
Hotmail, developed by Sabeer Bhatia and Jack Smith, is launched, followed by Yahoo Mail a year later.

2004 – Gmail is Born
Although a late entrant, Gmail begins life as an internal mail system for Google employees.