ATHARVA EDUCATIONAL TRUST'S
COLLEGE OF HOTEL MANAGEMENT & CATERING TECHNOLOGY
(Recognized by Government of Maharashtra & Affiliated to University of Mumbai- Estd. 2007-2008)
ISO 9001:2015 ISO 22000:2018
NAAC Accredited

Department of Data Science

Weekly Data Science Bytes

India can scale and adopt latest technology to emerge as a manufacturing hub: Rahul Bhasin

Rahul Bhasin of Baring Private Equity Partners believes India is poised to become a manufacturing hub, capitalizing on global opportunities due to its unique position. Despite geopolitical concerns, he sees continued growth in housing, consumption, and technology adoption. Bhasin anticipates a potential US recession impacting Indian IT but remains bullish on AI and EVs long-term

Source:https://economictimes.indiatimes.com/markets/expert-view/india-can-scale-and-adopt-latest-technology-to-emerge-as-a-manufacturing-hub-rahul-bhasin/articleshow/120305096.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cppst

India Aims To Unite Developing Nations Via Modern Technology

- New Delhi: India is using modern technology to bridge geographies and bring the developing nations closer, India's former Ambassador to the EU and the UN, Manjeev Singh Puri, said on Wednesday.

- Speaking to IANS on the sidelines of the India-Middle East-Europe Economic Corridor (IMEC) conclave 2025 here, Puri highlighted that India is the fifth-largest economy in the world and is on its way to becoming the third-largest.

- "This initiative is not just about trade. It's about building a better world by using green and modern technologies to connect continents and people, fostering economic benefits for both sides," Puri told IANS.The IMEC project, launched by Prime Minister Narendra Modi during India's G20 Presidency in 2023, is seen as a strategic move in response to growing global disruptions.

- RIS Director General, Professor Sachin Chaturvedi, said: "Certain countries are targeting supply chains to gain competitive advantages, which hurts India's trade. IMEC is India's way of addressing these challenges and ensuring stability."

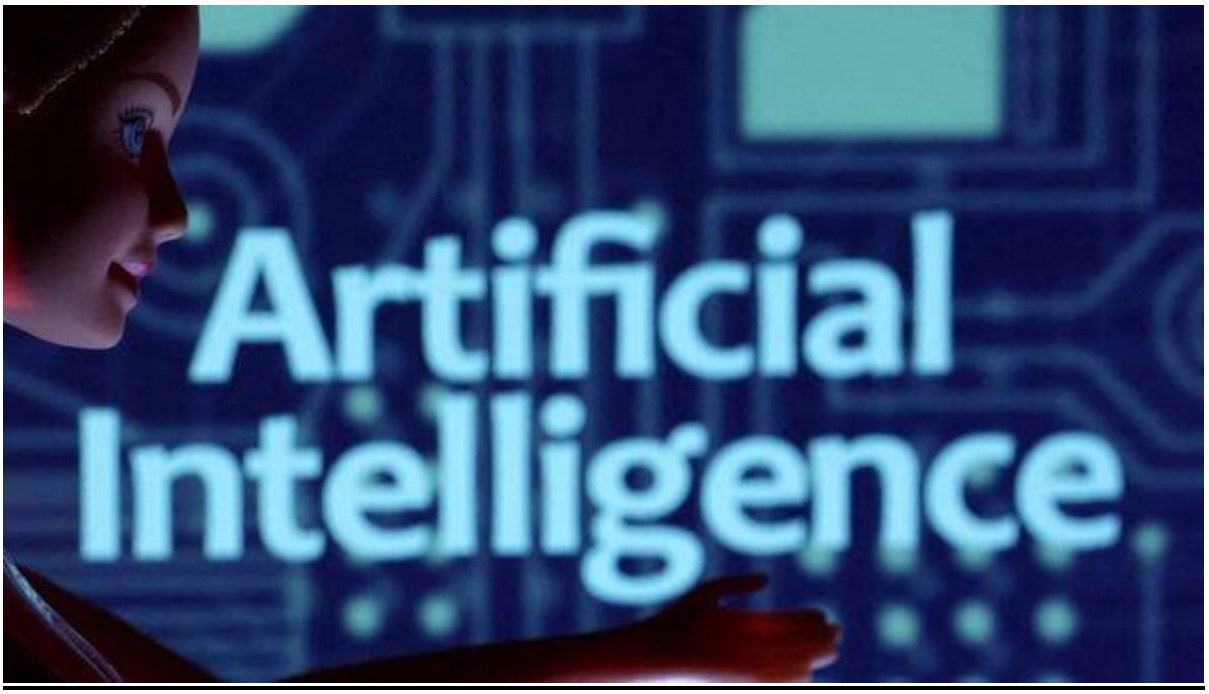
Source: https://ommcomnews.com/india-news/india-aims-to-unite-developing-nations-via-modern-technology/

India Launches Groundbreaking Quantum Technology Strategy

- The Office of the Principal Scientific Adviser (PSA) to the Government of India has unveiled the inaugural edition of the International Technology Engagement Strategy for Quantum (ITES-Q). This strategic document aims to enhance India's position in Quantum Science, Technology, and Innovation (QSTI) as the nation gears up for the International Year of Quantum Science and Technology in 2025. The report was presented by PSA Prof. Ajay Kumar Sood during a podcast commemorating World Quantum Day, emphasizing the importance of quantum technology for India's strategic autonomy

https://observervoice.com/india-launches-groundbreaking-quantum-technology-strategy-110216/

Tech News Today highlights on December 25, 2024: Generative AI, data centres to define India's tech industries in 2025



- Tech News Today highlights: In an era dominated by rapid technological evolution, staying informed with the latest technology news is essential. This segment offers a comprehensive look at the newest advancements and breakthroughs shaping our world.
- From cutting-edge developments in artificial intelligence and quantum computing to updates on consumer electronics and cybersecurity, our coverage spans a broad spectrum of tech-related topics. Whether you're a tech enthusiast, a professional in the field, or simply curious about how technological changes affect your daily life, our updates are designed to keep you informed and ahead in the ever-changing world of technology

Source: https://www.livemint.com/technology/latest-technology-news-today-on-december-25-2024-live-updates-11735084814000.html

Ghost Particles Just Got Lighter: KATRIN Sets a New Benchmark for Neutrino Mass

- Neutrinos are some of the most mysterious particles in the universe. They're everywhere, streaming through space and even through our bodies, but they almost never interact with matter. In cosmology, they play a role in shaping the large-scale structure of the universe.

- In particle physics, their incredibly small mass hints at unknown processes beyond the current understanding of physics. Measuring that mass precisely is crucial to uncovering deeper laws of nature.

- That's where the KATRIN experiment comes in. An international collaboration, KATRIN is designed to directly measure the mass of neutrinos using a process called beta decay. Specifically, it studies the decay of tritium, a radioactive form of hydrogen. When tritium decays, it releases an electron and a neutrino. By examining the energy of the emitted electrons, scientists can infer the mass of the neutrinos with high precision.

Source: https://indianexpress.com/article/technology/science/sunbird-nuclear-fusion-rocket-mars-time-half-pluto-4-years-9936341/

Sunbird, a nuclear fusion powered rocket could help reach Pluto in just 4 years: Report

- Elon Musk's SpaceX wants to push the boundaries of space exploration, but a British startup named Pulsar Fusion is working on an ambitious nuclear fusion powered rocket called Sunbird.
- The world's brightest minds have been trying their hands on nuclear fusion technology for decades now, but despite several attempts and breakthroughs, haven't been able to replicate the inner workings of stars anywhere on Earth.
- In a statement to CNN, Richard Dinan, the CEO and founder of Pulsar Fusion said that "it's very unnatural to do fusion on Earth. Fusion doesn't want to work in an atmosphere, Space is a far more logical, sensible place to do fusion, because that's where it wants to happen anyway."

Source: https://indianexpress.com/article/technology/science/sunbird-nuclear-fusion-rocket-mars-time-half-pluto-4-years-9936341/