

**The week from 26 May 2025 to 01 June 2025**

India surpassed Japan to become the 4th largest economy in the world, as confirmed by NITI Aayog CEO B.V.R. Subrahmanyam. As per the IMF World Economic Outlook, India's nominal GDP is projected at \$4.19 trillion, surpassing Japan's GDP of \$4.18 trillion which also marks a major shift in global economic order and India's rising influence.

Kush Maini etched his name in the record books by becoming the first Indian to win a Formula 2 race at the iconic Monaco Grand Prix. Driving for Dams Lucas Oil, Maini triumphed in the Sprint Race with a composed and clinical performance from start to finish.

The 2025 Breakthrough Prize in Fundamental Physics has been awarded to major experimental teams at CERN based on their findings from the Large Hadron Collider Run-2 data (2015–2024). Often dubbed the “Oscars of Science,” the Breakthrough Prize honours transformative achievements in fundamental physics and recognizes major discoveries and data-driven contributions that advance understanding of the Universe.

Two Indian peacekeepers Brigadier General Amitabh Jha and Havildar Sanjay Singh will be posthumously awarded the Dag Hammarskjöld Medal on the International Day of UN Peacekeepers. India is the 4th largest contributor of uniformed personnel to UN peacekeeping with more than 179 Indian peacekeepers having made the supreme sacrifice — the highest among all UN member states.

The defence minister has officially approved the execution of the indigenous fifth-generation stealth fighter jet project, the Advanced Medium Combat Aircraft (AMCA). It is a next-generation stealth-enabled fighter jet, designed and built in India to enhance the Indian Air Force's air superiority capabilities further envisioning to replace ageing MiG and Jaguar fleets, and operate alongside Tejas LCA and MRFA platforms.

Sher-e-Kashmir University of Agricultural Sciences and Technology has successfully produced India's first gene-edited sheep, enhancing muscle mass by 30%. It is a genetically modified lamb, developed by editing the myostatin gene, which regulates muscle growth in sheep. A Nobel Prize-winning precision genome editing technique-CRISPR-Cas9 was used for the succession of the project.

In 2025, the International Year of Glacier Preservation is being marked through a UN-backed global conference, International Conference on Glaciers' Preservation – 2025 in Tajikistan. This is a high-level international summit focusing on urgent action to combat glacier retreat and ensure sustainable freshwater supplies from cryospheric sources.

Google unveiled its AI-first restructuring strategy called AI Matryoshka at the I/O Developers Conference 2025. Built around Gemini 2.5 models, it is a multi-layered AI ecosystem where Google's core artificial intelligence acts as the central brain, powering every layer from APIs to user applications and aims to build agentic, intelligent, and autonomous systems for real-time user, developer, and enterprise interactions.

**Compiled by  
Seema Chari and  
Kunal Savarkar**

**xpress minds**