



October - 08

TNPSC BITS

- ❖ Tamil Nadu has banned the sale of the cough syrup 'Coldrif' from October 1, following the deaths of 11 children in Madhya Pradesh and Rajasthan.
- ❖ The bilateral Exercise KONKAN-2025 between the Indian Navy and the Royal Navy of UK commenced recently off the western coast of India.
- ❖ Rajasthan's first Namoo Biodiversity Park was inaugurated at Pratap Bandh, Alwar.
- ❖ Dame Sarah Mullally has been named the first woman Archbishop of Canterbury in the Church of England's nearly 500-year history.
- ❖ Nishad Kumar won his first World Para Athletics Championships gold in the high jump T47 in New Delhi.
- ❖ Sanae Takaichi of Japan's ruling Liberal Democratic Party (LDP) is set to become Japan's first female prime minister.
- ❖ The Indian Navy commissioned INS Androth, the second Anti-Submarine Warfare Shallow Water Craft (ASW-SWC) at the Naval Dockyard, Visakhapatnam.
- ❖ Tamil Nadu will establish its first sports-technology incubation centre in partnership with German football club Borussia Dortmund.
 - The project will be implemented by Startup Tamil Nadu, the state's startup mission under the MSME Department.
- ❖ Coal India Limited's subsidiary, South Eastern Coalfields Limited (SECL), inaugurated its first fully women-operated Central Store Unit at the Central Workshop in Korba, Chhattisgarh as a part of the Government of India's Special Campaign 5.0.
 - Earlier the SECL established the company's first all-women-operated dispensary at Bilaspur, Chhattisgarh.
- ❖ The 6th edition of Global Fintech Fest (GFF) will begin in Mumbai.
 - 'Empowering Finance for a Better World Powered by AI' is the theme for this year's festival.
- ❖ The Border Roads Organisation (BRO) built the world's highest motorable road at Mig La Pass in Ladakh, 19,400 feet above sea level.

- This new road surpasses the previous record at Umling La in Ladakh, which is 19,024 feet high.

TAMIL NADU NEWS

Second Mahout Village

- ❖ Tamil Nadu Chief Minister inaugurated the second mahout village at Kozhikamuthi Elephant Camp in Anamalai Tiger Reserve.
- ❖ The first mahout village in India was established earlier in 2025 at Theppakadu in the Mudumalai Tiger Reserve.
- ❖ A solar-powered microgrid was installed by the State Planning Commission at a cost of ₹3.5 crore.



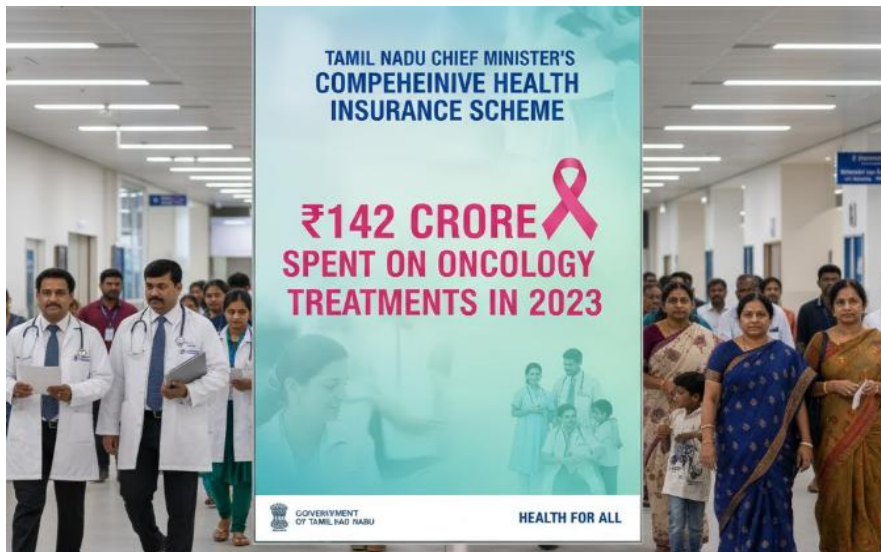
Pink Patrol in the Nilgiris

- ❖ Pink Patrol, a women-led police patrol initiative, was launched for the first time in the Nilgiris district to assist women and children in public spaces.
- ❖ It aims to prevent crimes against women and children and make it easier for victims to report offences without hesitation.

- ❖ Ten pink patrol vehicles will operate across Udhamandalam, Coonoor, Kotagiri, and Gudalur.
- ❖ The patrols will focus on safeguarding girl students from harassment during school and college opening and closing hours.



Oncology Healthcare in TN



- ❖ Tamil Nadu's Chief Minister's Comprehensive Health Insurance Scheme spent ₹142 crore on oncology treatments in 2023.
- ❖ The spending rose to ₹147 crore in 2024 and reached ₹84 crore till August 2025.
- ❖ The scheme covers medical, surgical, and radiation oncology with internationally approved treatment protocols.
- ❖ There are 183 hospitals empanelled for medical oncology and 171 for surgical oncology under the scheme.
- ❖ 52 hospitals provide radiation oncology services through CMCHIS.

NATIONAL NEWS

ICGS Akshar

- ❖ ICGS Akshar, the second Adamya-class Fast Patrol Vessel, was commissioned, at Karaikal, Puducherry.
- ❖ The vessel was designed and built by Goa Shipyard Limited with over 60% indigenous content.
- ❖ The vessel's name, 'Akshar,' meaning 'imperishable,' reflects the Coast Guard's commitment to secure and clean seas.



QR code signboards on NH

- ❖ The National Highways Authority of India (NHAI) will install vertical QR code signboards along national highways.
- ❖ These signboards will display project-specific information such as highway number, chainage, and emergency contact details.
- ❖ Contact numbers for highway patrol, toll manager, resident engineer, and emergency helpline 1033 will be included.
- ❖ The QR code boards will be placed near rest areas, toll plazas, truck lay-byes, highway start and end points.
- ❖ It aims to improve road safety and provide commuters with easy access to important highway information.



Dairy sector in India 2025



- ❖ India's dairy sector has expanded by 70% over the last 11 years.
- ❖ With milk production rising from 146 million tonnes in 2014-15 to 239 million tonnes in 2023-24.
- ❖ The government aims to establish over 75,000 dairy cooperatives by 2029.
- ❖ Three new multi-state cooperative societies have been approved:
 - One for animal feed production, disease control, and artificial insemination;
 - Second for developing cow dung management models and
 - the third is for the circular use of dead cattle remains.

- ❖ The newly inaugurated Sabar Dairy Plant in Haryana is India's largest production unit for curd, buttermilk, and yogurt.
- ❖ India's milk processing capacity currently stands at 660 lakh litres per day, with a target to reach 100 million litres by 2028-29.
- ❖ The per capita milk availability has increased from 124 grams to 471 grams.

NATPOLREX-X 2025

- ❖ NATPOLREX-X 2025 is India's flagship biennial oil spill response drill, conducted off Chennai's coast to simulate marine pollution emergencies.
- ❖ The exercise tests national readiness by involving multiple government agencies, ports, oil companies, and international observers from over 30 countries.
- ❖ It focuses on advanced containment, dispersal, and recovery techniques using specialized vessels, aircraft, and technology.
- ❖ NATPOLREX-X enhances inter-agency coordination, refines contingency plans, and aligns with global maritime environmental standards under MARPOL 73/78.



SCIENCE AND TECHNOLOGY NEWS

Dhvani Hypersonic Missile

- ❖ India is developing Dhvani, a Hypersonic Glide Vehicle (HGV), capable of flying above Mach 5 (over 7,400 kilometres per hour).
- ❖ It is designed by the DRDO with indigenous technology for long-range precision strikes.

- ❖ Dhvani uses a stealth-optimized blended wing-body structure with heat-resistant ceramic composites that withstand up to 3,000 degrees Celsius.
- ❖ It is expected to have a range of 6,000 to 10,000 kilometres and may be operational by 2029.



ENVIRONMENT NEWS

Painted storks



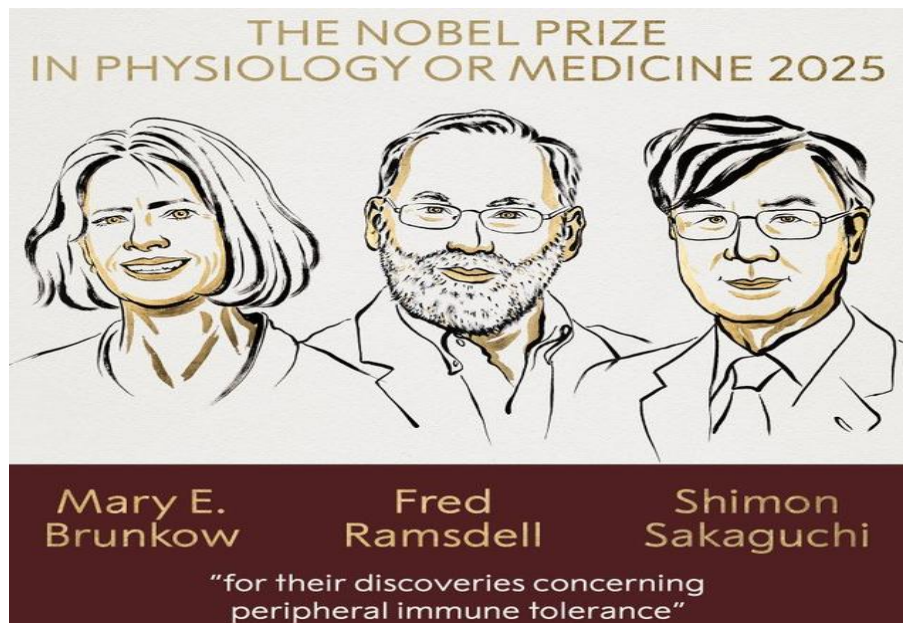
- ❖ A pair of painted storks was spotted at Kaziranga National Park, Assam.
- ❖ This is a rare sighting, with previous records in 2004, 2005, and 2022 during migratory bird censuses.

- ❖ Kaziranga is a UNESCO World Heritage Site known for its rich wetlands and diverse migratory waterfowl.

PERSONALITIES, AWARDS, AND EVENTS

Nobel Prize 2025 in Medicine

- ❖ Mary E. Brunkow, Fred Ramsdell, and Shimon Sakaguchi have been awarded the 2025 Nobel Prize in Physiology or Medicine.
- ❖ They discovered the concerning peripheral immune tolerance.
- ❖ It is a key mechanism preventing the immune system from attacking the body's own tissues.
- ❖ Their combined research proved that FOXP3 is the master regulator of regulatory T cells, confirming their function in maintaining immune self-tolerance.
- ❖ This discovery has laid the foundation for new treatments in cancer, autoimmune diseases, and transplant medicine, with some therapies currently in clinical trials.



Natana Kasinathan

- ❖ Renowned archaeologist and epigraphist Natana Kasinathan passed away.
- ❖ He discovered several inscriptions and hero stones during his career.
- ❖ He was well known for his ability to decipher Vattezhuthu, an ancient Tamil script.

- ❖ He authored multiple Tamil books, including Kallezhuthukkalai, Sozhar Seppedugal, and Thamizhar Kasu Iyal.
- ❖ He also wrote English works such as Under Sea Exploration off the Shore of Poompuhar and The Metropolis of the Medieval Cholas.
- ❖ He received several honours, including the Tamil Nadu government's U. Ve. Sa. Award.



2025 Nobel Prize in Physics



- ❖ The Nobel Prize in Physics is being awarded to John Clarke, Michel H. Devoret and John M. Martinis.
- ❖ They are awarded "for the discovery of macroscopic quantum mechanical tunnelling and energy quantisation in an electric circuit."

- ❖ This has provided opportunities for developing the next generation of quantum technology, including quantum cryptography, quantum computers, and quantum sensors.

IMPORTANT DAYS

Breast Cancer Awareness Month 2025 – October

- ❖ Breast Cancer Awareness Month is observed from 1 to 31 October every year.
- ❖ It aims to raise awareness, promote early detection, and improve access to timely and quality care.
- ❖ It honours the lives affected by breast cancer and drive collective action.
- ❖ The month was first celebrated in October 1985.
- ❖ The 2025's theme is "Every Story is Unique, Every Journey Matters".



National Wildlife Week 2025 - October 2/8

- ❖ It is observed from 2 to 8 October across India.
- ❖ It was first conceptualised in 1952 to raise awareness about wildlife conservation and ecological balance.
- ❖ The theme of 2025 is "Sewa Parv", focusing on service and responsibility towards nature.



- ❖ The Union Environment Ministry inaugurated Wildlife Week 2025 in Manesar, Haryana.



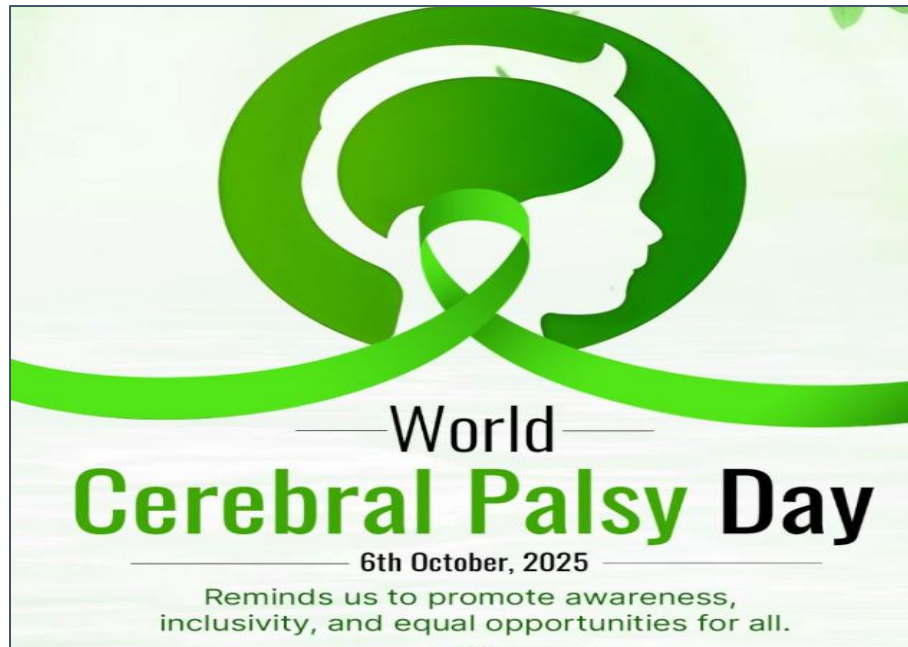
World Space Week 2025 - October 4/10



- ❖ It is observed every year from 4 to 10 October across the globe.
- ❖ It aims to celebrate the contributions of space science and technology to the betterment of the human condition.

- ❖ It is commemorated worldwide to educate the public, inspire youth, and foster international cooperation in space exploration.
- ❖ The dates mark two key events: the launch of Sputnik 1 on 4 October 1957 and the Outer Space Treaty's entry into force on 10 October 1967.
- ❖ The theme for this year is "Living in Space".

World Cerebral Palsy Day 2025 - October 06



- ❖ It aims to raise awareness about cerebral palsy and advocate for equal rights, access, and inclusion.
- ❖ It is commemorated to highlight challenges faced by over 17 million people living with cerebral palsy worldwide.
- ❖ The day was first established in 2012 by the Cerebral Palsy Alliance to unify voices and push for global action.
- ❖ The theme for 2025 is "Unique and United".

World Habitat Day 2025 - October 06

- ❖ It is observed every year on the first Monday of October.
- ❖ The aim is to reflect on the state of towns and cities and the right of all people to adequate shelter.
- ❖ It was first celebrated in 1986 following the United Nations General Assembly resolution adopted in 1985.



❖ The theme for 2025 is “Urban Crisis Response”.

