



October - 15

TNPSC BITS

- ❖ Sakthi Jaya Sundar Rajasekar, a medical graduate from Tamil Nadu, won second prize at the BRICS Young Innovator Prize held in Brazil during the 10th BRICS Young Scientist Forum.
- ❖ The Indian Coast Guard (ICG) Karnataka unit conducted the Regional Search and Rescue Exercise (ReSAREX-25) off the Panambur coast, Mangaluru, to test coordination and preparedness for mass rescue operations at sea.
- ❖ World Porridge Day is observed on October 10 each year to support school feeding programmes in developing countries, launched by the charity Mary's Meals in 2009.
- ❖ World Egg Day is observed on October 10, 2025, to highlight the nutritional benefits of eggs and their role in global food security and health.

TAMIL NADU NEWS

Thirumalapuram excavations

- ❖ The Tamil Nadu State Department of Archaeology (TNSDA) conducted the first season of excavations at Thirumalapuram in the Tenkasi district.
- ❖ The site lies about 10 kilometres northwest of the present-day Thirumalapuram village.
- ❖ The burial site covers nearly 35 acres of land between two seasonal streams near the Kulasegarapereri tank.
- ❖ Excavations revealed the presence of an Iron Age culture near the Western Ghats in Tamil Nadu.
- ❖ The site is tentatively dated to the early to mid-third millennium BCE.
- ❖ Comparisons are drawn with other Iron Age sites such as Adichanallur and Sivagalai.
- ❖ A total of 37 trenches were dug during the first excavation season.
- ❖ A unique rectangular stone slab chamber with urn burials was discovered.
- ❖ The chamber was made using 35 stone slabs and filled with cobblestones up to 1.5 metres.
- ❖ Various ceramic types were found, including black-and-red ware, red ware, red-slipped ware, and black-polished ware.

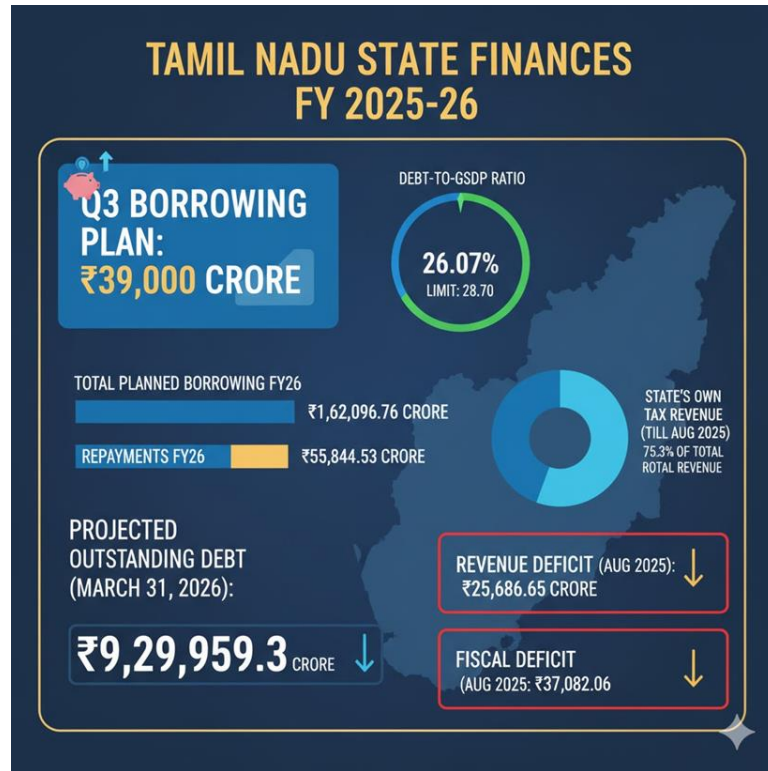
- ❖ Some ceramic types had white-painted designs similar to those found at sites like T. Kallupatti and Adichanallur.
- ❖ Symbols on urns included figures of human, mountain, deer, and tortoise.
- ❖ A total of 78 antiquities were found, made of bone, gold, bronze, and iron.
- ❖ Artefacts included tweezers, sword, spearhead, gold ring, axe, dagger, chisel, bonehead, and arrowhead.
- ❖ Three tiny gold rings were found inside an urn at a depth of 0.49 metres.
- ❖ Each gold ring measured 4.8 millimetres in diameter and weighed less than one milligram.
- ❖ Preliminary findings confirm Iron Age cultural traits similar to those of Adichanallur.



TN Q3 FY26 Borrowing Snapshot

- ❖ Tamil Nadu plans to borrow ₹39,000 crore in the third quarter of the financial year 2025–26.
- ❖ The borrowing is part of the RBI's indicative market borrowings schedule for States.
- ❖ A total borrowing of ₹1,62,096.76 crore is planned for 2025–26, with repayments of ₹55,844.53 crore.
- ❖ The projected outstanding debt as on March 31, 2026, is ₹9,29,959.3 crore.
- ❖ The Debt to Gross State Domestic Product ratio is estimated at 26.07%, within the 28.70% limit set by the Fifteenth Finance Commission.
- ❖ State's Own Tax Revenue till August 2025 stood at ₹74,942.53 crore, forming 75.3% of total revenue.

- ❖ As of August 2025, Tamil Nadu recorded a revenue deficit of ₹25,686.65 crore and a fiscal deficit of ₹37,082.06 crore.



TN - Building Rules



- ❖ Tamil Nadu amended the Tamil Nadu Combined Development and Building Rules, 2019, to ease norms for green and white category industries.
- ❖ The minimum road width required in peri-urban village panchayat and village panchayat areas has been reduced from 7 metres to 6 metres.
- ❖ This relaxation applies only to green and white category industries in these rural and peri-urban areas.
- ❖ In municipal, corporation, and town panchayat areas, the minimum road width remains 7 metres for all industry categories.
- ❖ Orange and red category industries still require a minimum road width of 7 metres in all areas.
- ❖ The Floor Space Index (FSI) for all industrial categories — white, green, orange, and red — remains at two.
- ❖ Tamil Nadu had earlier classified 609 industries under the white category as part of regulatory simplification.

NATIONAL NEWS

PM Dhan-Dhaanya Krishi Yojana

**Prime Minister
Dhan-Dhaanya Krishi Yojana**

- 1 First announced in the **Union Budget 2025-26**.
- 2 Focus on **100 agri-districts**.
- 3 Saturation-based Convergence of **36 Central Schemes** across **11 Ministries**.
- 4 Annual outlay of **₹24,000 crore** for a **6 years**.
- 5 Implementation begins from **FY 2025-26**.
- 6 Projected to benefit **1.7 crore farmers directly**.



- ❖ The scheme targets 100 low-performing agricultural districts with an annual budget of ₹24,000 crore for six years.
- ❖ It aims to improve productivity, promote crop diversification, enhance irrigation and storage, and increase credit access for farmers.

- ❖ The scheme ensures convergence of 36 existing schemes from 11 ministries, benefiting 1.7 crore farmers directly.
- ❖ The scheme focuses on agriculture and allied sectors such as fruits, fisheries, beekeeping, animal husbandry, and agroforestry.
- ❖ It will boost farm incomes, create resilient rural livelihoods, and promote self-reliance under a ₹1,44,000 crore investment over six years.

SPARK 4.0

- ❖ The Central Council for Research in Ayurvedic Sciences (CCRAS) launched SPARK 4.0 (Studentship Program for Ayurveda Research Ken) for 2025–26.
- ❖ The program targets undergraduate Bachelor of Ayurvedic Medicine and Surgery (BAMS) students across India.
- ❖ SPARK 4.0 will award 300 students ₹50,000 each, paid as ₹25,000 per month over two months.
- ❖ The scheme encourages short-term independent research projects with faculty mentorship and hands-on scientific training.



The poster for SPARK-4.0 (2025-2026) features a blue graduation cap icon at the top left. The title 'SPARK-4.0 (2025-2026)' is in white on a green banner. Below it, 'CCRAS OFFERS: Studentship Program for Ayurveda Research Ken (SPARK)' is written in red and blue. The poster is divided into two main columns. The left column contains three green boxes: 'Number of Studentship: 300', 'Amount of Studentship: Total Rs. 50,000/- (@ Rs. 25,000/- per month x 2 months)', and 'Eligibility: UG Students of Ist to IVth Year/Prof pursuing their BAMS in NCISM/Gol recognized College/University'. The right column contains three green boxes: 'START DATE OF REGISTRATION 15th OCTOBER 2025', 'LAST DATE OF SUBMISSION 15th NOVEMBER 2025', and 'TO APPLY VISIT: <https://spark.ccras.org.in/>'. A central graphic shows a student in a graduation cap with a red 'APPLY NOW' button.

Details	Information
Number of Studentship	300
Amount of Studentship	Total Rs. 50,000/- (@ Rs. 25,000/- per month x 2 months)
Eligibility	UG Students of I st to IV th Year/Prof pursuing their BAMS in NCISM/Gol recognized College/University
Start Date of Registration	15 th OCTOBER 2025
Last Date of Submission	15 th NOVEMBER 2025
To Apply Visit	https://spark.ccras.org.in/

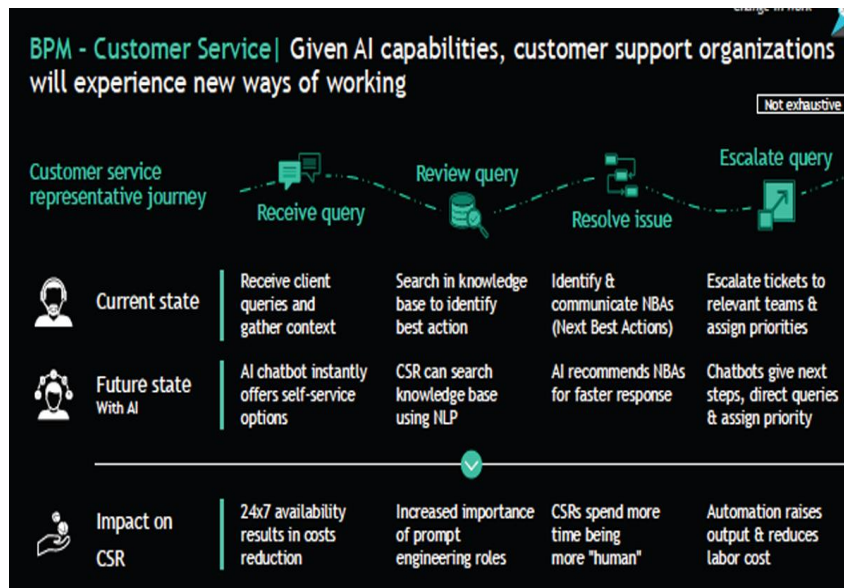
Bharat Taxi Initiative

- ❖ The National e-Governance Division (NeGD) will support Sahakar Taxi Cooperative Limited's Bharat Taxi initiative launching in December 2025.
- ❖ Bharat Taxi is a first-of-its-kind cooperative-driven, citizen-first national ride-hailing service.
- ❖ The partnership includes platform integration with DigiLocker, UMANG, and API Setu for secure, seamless digital access.

- ❖ Bharat Taxi aligns with Digital India's vision of inclusive, tech-enabled public services with a multilingual and accessible design.



Roadmap For Job Creation



- ❖ NITI Aayog released a report titled "Roadmap for Job Creation in the AI Economy".
- ❖ The report forecasts up to 4 million new AI-enabled jobs in India within 5 years.
- ❖ It proposes the launch of a National AI Talent Mission to make India the global AI workforce hub.
- ❖ The roadmap focuses on AI literacy, large-scale reskilling, and attracting global AI talent.

- ❖ It encourages collaboration between government, industry, and academia to build AI infrastructure.

INTERNATIONAL NEWS

India-UK Connectivity and Innovation Centre



- ❖ India and the United Kingdom jointly launched the India–UK Connectivity and Innovation Centre (CIC) with a ₹282 crore investment over four years.
- ❖ The CIC is a bilateral research platform focused on next-generation telecom technologies, including 6G, AI, and secure communications.
- ❖ The centre aims to advance secure, inclusive, and resilient digital communications aligned with the India–UK 2035 Vision.
- ❖ Key focus areas include AI for network optimization, non-terrestrial networks for rural connectivity, and telecom cybersecurity.
- ❖ CIC will serve as a hub for academic, industrial, and governmental cooperation in digital connectivity innovation.

SCIENCE AND TECHNOLOGY NEWS

Random Number Generator

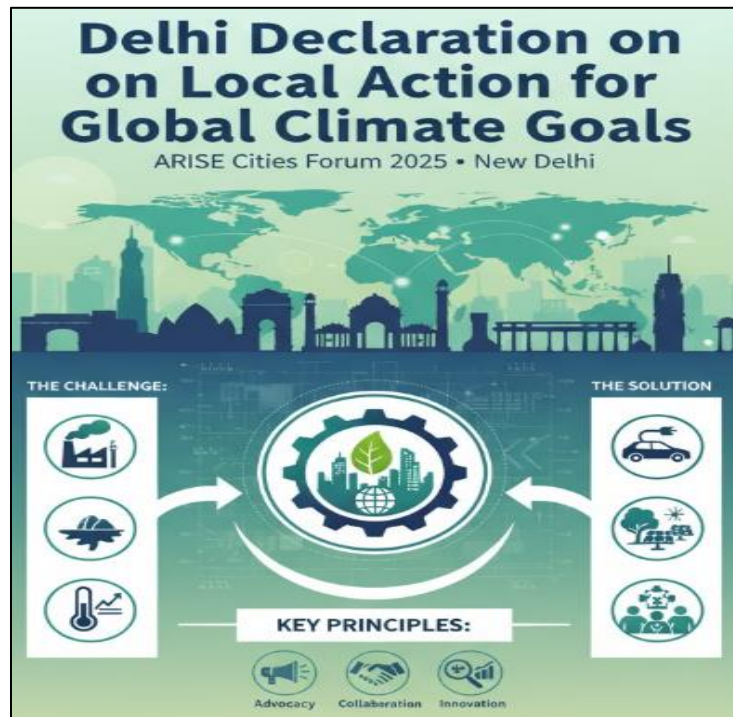
- ❖ Indian scientists at Raman Research Institute in Bengaluru developed a technique to generate truly random numbers using quantum properties.
- ❖ True random numbers are essential for digital security as they cannot be predicted or replicated by algorithms.

- ❖ Current systems use pseudorandom numbers, which are generated by algorithms and can become vulnerable to quantum computing attacks.
- ❖ Quantum randomness arises from particle behaviours that are inherently unpredictable, such as photon states during measurement.



ENVIRONMENT NEWS

Delhi Declaration 2025



- ❖ The Delhi Declaration on Local Action for Global Climate Goals was adopted at the ARISE Cities Forum 2025 in New Delhi.

- ❖ The declaration amplifies urban voices from the Global South for the United Nations Framework Convention on Climate Change (UNFCCC) COP30.
- ❖ It promotes measurable local climate actions, inclusive green transitions, and enhanced climate finance access for cities.
- ❖ The document will be presented to the COP30 Presidency in Belém as a call for cities to be recognized as key climate action partners.

Gas Emission Intensity Rules



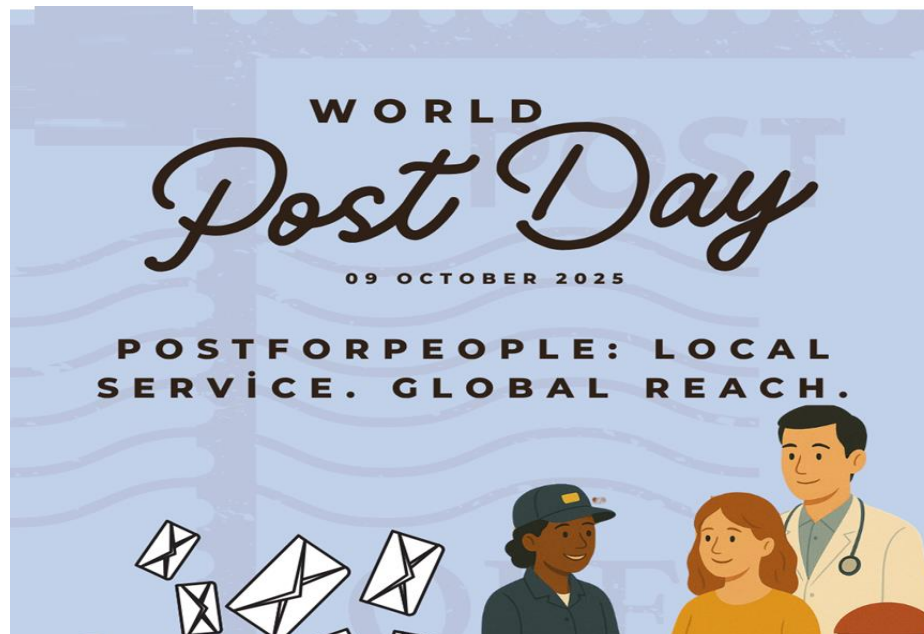
- ❖ First Greenhouse Gas Emission Intensity Target Rules were notified for Four Industrial Sectors.
- ❖ The government notified the legally binding Greenhouse Gas Emission Intensity (GEI) Target Rules, 2025.
- ❖ The rules cover 282 high-emission units in cement, aluminium, chlor-alkali, and pulp and paper sectors.
- ❖ Emission intensity is measured in tonnes of carbon dioxide equivalent per unit of product output.

- ❖ Industries meeting targets earn carbon credits; those that fail must buy credits or pay compensation.
- ❖ The rules aim to support India's climate commitments under the Paris Agreement by reducing emissions.

IMPORTANT DAYS

World Post Day 2025 - October 09

- ❖ It marks the anniversary of the establishment of the Universal Postal Union in 1874 in Bern, Switzerland.
- ❖ It was declared as World Post Day by the UPU Congress held in Tokyo, Japan, in 1969.
- ❖ The aim is to create awareness about the role of the postal sector in daily life and its contribution to social and economic development.
- ❖ The 2025 theme is "Post for People: Local Service. Global Reach".



World Mental Health Day 2025 - October 10

- ❖ It was initiated in 1992 by the World Federation for Mental Health to promote awareness and advocacy.
- ❖ The World Health Organization joined the initiative in 1994 to expand global reach through health systems.

- ❖ The theme of 2025 is “Access to Services – Mental Health in Catastrophes and Emergencies”.



National Post Day 2025 - October 10



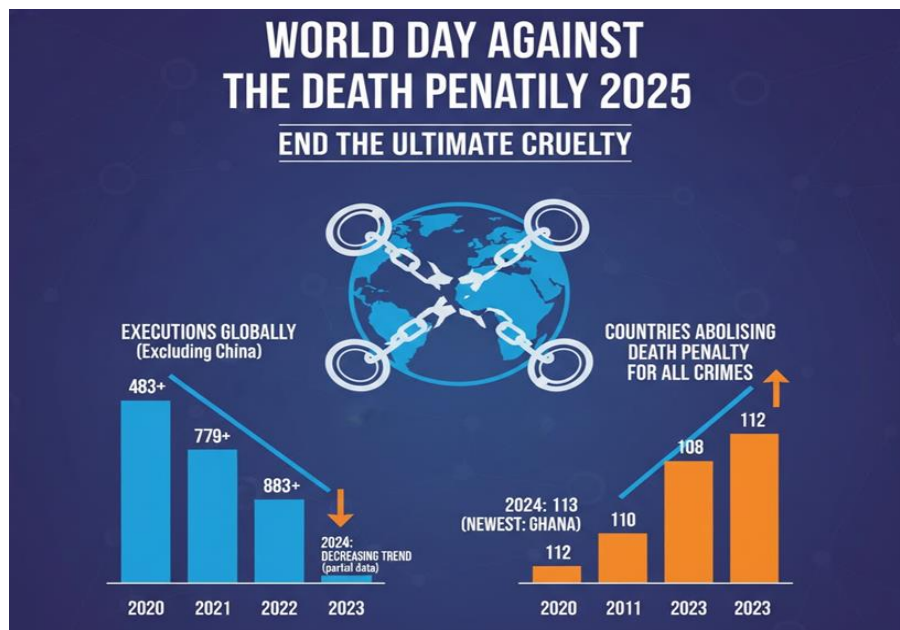
- ❖ It is celebrated as an extension of World Post Day, which falls on 9 October.
- ❖ India's postal system was established in 1854 by Lord Dalhousie during British rule.
- ❖ It is currently under the Ministry of Communications and is the world's most widely distributed postal network.



- ❖ The Indian postal service offers mail delivery, money orders, savings schemes, life insurance, pension disbursement, and MGNREGA wage distribution.
- ❖ India has 23 postal circles and 9 zones, including the Army Postal Service.
- ❖ The 6-digit Postal Index Number (PIN) code system was introduced in India in 1972.

World Day Against the Death Penalty 2025 - October 10

- ❖ The day was first organised in 2003 by the World Coalition Against the Death Penalty.
- ❖ It promotes awareness about the conditions of prisoners on death row and advocates for the abolition of capital punishment.
- ❖ The theme for 2025 is “The death penalty protects no one.”
- ❖ On 26 September 2007, the Council of Europe also declared 10 October as European Day Against the Death Penalty.



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