

VETRI IAS STUDY CIRCLE

Current Affairs

(A book for TNPSC Examination)

JANUARY 2026 - PART 2



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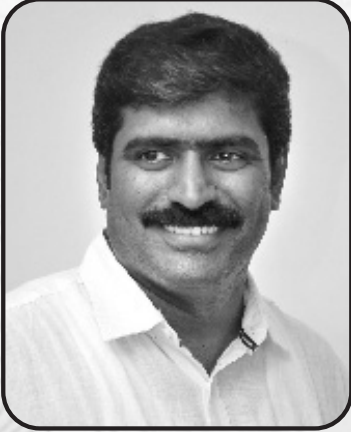
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Preface



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My Dear Aspirants,

Greetings to all of you! "What we think we become" Gautama Buddha. We all have dreams. To make dreams come into reality it takes a lot of determination, dedication, self discipline and continuous effort.

We at VETRII IAS Study Circle are committed to provide the right guidance, quality coaching and help every aspirants to achieve his or her life's cherished goal of becoming a civil servant.

The class room coaching at VETRII IAS Study Circle is meticulously planned to equip the aspirants with all the relevant facts and fundamentals of the subjects. Further the VETRII IAS Study Circle Study materials aim to support the candidate by providing the most relevant study material in a comprehensive manner.

We also thank other family members of Vetrii for making this effort a reality.

We wish the aspirants ALL THE VERY BEST for their journey in Civil Services !

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INDEX

SCIENCE

General Science

1. Almond Kid Medicine 01

Latest Inventions In Science & Technology

2. India's First State-Funded BSL-4 Laboratory to Research Zoonotic Diseases 01
3. World's First Repository of Mountain Ice Cores 01
4. Diabetes deduction without blood testing 01
5. Extraction of Copper and Iron from Electronic Waste 02

Space

6. India's First Private National Earth Observation Satellite 02

INDIAN POLITY

1. Central Vigilance Commission (CVC) 03

INDIAN ECONOMY

1. Reserve Bank - Integrated Ombudsman Scheme (RB-IOS) 04
2. India's Fisheries Sector Growth 04
3. IMF Revises India's GDP Growth for 2025-26 04
4. Core Industries Growth Rises to FourMonth High 04
5. RBI Proposes Linking BRICS CBDCs 04
6. Cabinet Approves Capital Support to SIDBI 05
7. MSDE Signs Landmark MoU with WEF 05
8. RBI Report on State Budgets 05
9. Urban Co-operative Banks 06
10. Index of Industrial Production 06
11. Economic Survey Report 06
12. Evolution of Budget: Grains to gigabytes 08

TAMIL NADU

Initiatives /Schemes

1. Tamil Nadu Launches Semmozhi Literary Award 11
2. Air Quality Display Boards 11
3. Climate education - Cool Schools program 11
4. Kuppai Thiruvizha 12
5. 'Cleanliness Movement' 12
6. Tamil Nadu Lays Foundation for Mamallan Reservoir 12
7. State Resource Centre 12
8. Chief Minister's Urban Residences 13

9. STAR (Simplified and Transparent Administration of Registration) 3.0	13
10. Seawater Desalination Project	13
11. New website to promote energy production in Tamil Nadu	14
12. Skill Development Program Training	14
13. The Great Tamil Dream Project	15
14. Tamil Nadu Republic Day Parade 2026	15
15. Tamil Nadu Republic Day Awards	15
16. TNWESafe Project	16
17. HPV Vaccination Programme	16
18. Scheme for providing Turtle Excluder Devices	17
19. Bank of Baroda-TNSRLM MoU	17
20. India Global Education Conference 2026	17
21. Tamil Nadu Knowledge City Project	18
22. International Textile Conference	18
23. Arasu Palli Thoothuvar Scheme	18
Economy	
24. Circular Economy Investment Policy 2026	19
Environment	
25. International Dugong Conservation Centre	19
26. Tamil Nadu's First State-wide Raptor Assessment	19
27. Madras Hedgehog	20
Awards	
28. Ilaiyaraaja Honoured with Padmapani Award	20
29. State Literacy Award	20
30. Best Election District Award	20
Report / Survey	
31. Economic Survey 2025-26 Highlights on Tamil Nadu	21
NATIONAL - DIARY OF EVENTS	
1. Launch of India's First Sleeper Vande Bharat Train	22
2. India and Oman Memorandum of Understanding	22
3. Guidelines to promote exports	22
4. Human-Carrying Drone Ambulance	22
5. Chips to Start-up (C2S) Programme	22
6. Second Rangewide Estimation of River Dolphins	23
7. Special Intensive Revision (SIR) of Electoral Rolls	23
8. India's 2026 Republic Day Parade	23
9. 6th ASEAN-India Digital Ministers' Meeting	23

10. Mumbai Climate Week 2026	24
11. India International Conference on Democracy and Election Management (IICDEM) 2026	24
12. India-UAE Sign Long-Term LNG Deal	24
13. India's First Open Sea Marine Farming Project	24
14. Population Census-2027	25
15. India Flags the Indigenous Light Water Reactor (LWR)	25
16. Republic Day parade	25
17. Fighter jets to lead Republic Day flypast	26
18. India's First 'State Bacterium'	26
19. Granth Kutir	26
20. Digital Climate Atlas	27
21. UGC's New Rules to Curb Caste Discrimination in Higher Education	27
22. Tamil Nadu's tableau in the Republic Day parade	27
23. Project Sampark	28
24. India Energy Week	28
25. India-European Union Trade Agreement	28
26. India-EU Cooperation on Peaceful Nuclear Energy	28
27. Indian Railways Deploys Humanoid Robot	29
28. Buddhist Diamond Triangle	29
29. Study Team to Enhance Tamil Nadu Farmer Producer Organizations	29
30. SAMPANN-UMANG Integration	30
31. PANCHAM	30
32. WaSH Warriors	30
33. PAIMANA Portal	31
34. Menstrual Health as a Fundamental Right	31
35. Ramsar Network	32
36. LNG-Diesel Dual Fuel Diesel Electric Multiple Unit (DEMU) Train	32
37. Coking Coal Notified as a Critical & Strategic Mineral	32
38. Pragya-AIX	33

REPORTS AND INDICES

1. The Global Risks Report 2026	34
2. NITI Aayog Report on MSME Scheme Convergence	34
3. NITI Aayog Reports	34

NATIONAL SCHEMES

1. 10 years of Start-up India 35
2. Offshore Fish Farming Project 35
3. Sukanya Samriddhi Yojana 35
4. Atal Pension Yojana 36
5. One Station, One Product Scheme 36
6. Eliminating Malaria by 2030 36

AWARDS AND HONOURS

1. Wiley Research Heroes Prize 37
2. Indira Gandhi Prize for Peace 37
3. Padma Awards 37
4. Ashoka Chakra Award 38
5. Republic Day Parade 2026 awards 38

IMPORTANT DAYS

1. Lokpal Foundation Day 39
2. Kokborok Day 2026 39
3. Rising Day of the National Disaster Response Force 39
4. Tripura, Manipur and Meghalaya Foundation Day 39
5. Parakram Diwas 2026 39
6. International Day of Education 39
7. National Girl Child Day 39
8. Uttar Pradesh Statehood Day (UP Diwas) 40
9. International Customs Day 40
10. National Voters' Day 40
11. Language Martyrs' Day 40
12. Anti-Hindi Agitation 40
13. Himachal Pradesh State Day 40
14. World Leprosy Day 40
15. World Environmental Education Day 40
16. International Day of Clean Energy 40
17. National Tourism Day 40
18. National Geographic Day 41
19. International Data Privacy Day 41
20. Indian Newspaper Day 41

21. Martyrs' Day	41
22. International Zebra Day	41
BOOKS AND AUTHORS	41
EMINENT PERSONALITIES	
1. Sunita Williams	42
2. Netaji Subhas Chandra Bose	42
INTERNATIONAL RELATIONS	
1. U.S. Formally Withdraws From the World Health Organization	42
DEFENCE	
1. ICGS Sankalp	43
2. Military Quantum Mission Policy Framework	43
3. Operation Megaburu	43
4. C-295 Aircraft	43
5. Pechora Missile System	43
SPORTS AND GAMES	
1. Vijay Hazare Trophy	44
2. Khelo India Winter Games 2026	44
3. National Kabaddi Championship	44
MISCELLANEOUS	
1. World's Oldest Known Rock Art	44
CURRENT FACTS	45

SCIENCE

GENERAL SCIENCE

Almond Kid Medicine

- **Background:** The Drug Control Directorate has stated that the controversial Almond Kid medicine is not sold in Tamil Nadu.
- Medicines containing a combination of **Levocetirizine dihydrochloride** and **Montelukast sodium** are commonly used for cold, allergy, and asthma symptoms.
- Generally, **propylene glycol** is used as a solvent in **liquid medicines**.
- However, it was found that Almond Kid medicine contained diethylene glycol.
- Diethylene glycol is a chemical used in the manufacture of **resins, oils, paints, and inks**.
- Ingesting medicine containing this chemical carries the risk of **kidney failure and death**.

LATEST INVENTIONS IN SCIENCE AND TECHNOLOGY

India's First State-Funded BSL-4 Laboratory to Research Zoonotic Diseases

- **India's first state-funded Bio-Safety Level 4 containment facility and laboratory** is being set up in **Gandhinagar, Gujarat**.
- The laboratory is **fully funded and controlled by the Gujarat government** under the **Gujarat State Biotechnology Mission**.
- The **Department of Biotechnology (DBT)** intends to designate it as a **'National Centre**

for **High Containment Pathogen Research Facility'** under the **BioE3 policy**.

- The facility will support research on **high-risk viruses** like **Ebola, Marburg, Nipah, Crimean-Congo Haemorrhagic Fever, and Kyasanur Forest Disease**.
- It will be **India's second civilian BSL-4 laboratory, after the National Institute of Virology in Pune**.

World's First Repository of Mountain Ice Cores

- Recently, scientists inaugurated the **world's first global repository of mountain ice cores** at **Concordia Research Station** on the **Antarctic Plateau** to **preserve vital climate records threatened** by rapid glacier loss due to global warming.
- The facility, known as the **Ice Memory Sanctuary**, has been **developed by the Ice Memory Foundation**, a consortium of European research institutions from **France, Italy, and Switzerland**.

Diabetes deduction without blood testing

- **Context:** A new technique has been introduced to detect diabetes without the need for blood tests.
- This research was conducted jointly by the **Madras Diabetes Research Foundation, Yenepoya Deemed University in Mangaluru, and Emory University in the United States**.
- The new technique involves taking retinal images and analyzing them using **AI**

technology to detect the disease in its early stages.

- This also makes it possible to easily detect changes in blood vessels.

Extraction of Copper and Iron from Electronic Waste

- **Context:** IIT Madras researchers have developed a green method for recovering valuable metals from electronic waste using environmentally friendly solvents derived from natural compounds.
- This method is safe, waste-free, and more efficient than traditional chemical-based recycling methods.
- It helps in recovering metals such as copper, gold, and iron, which are abundant in e-waste.
- In the research, **deep eutectic solvents (DES)** were used to effectively dissolve copper, which was then safely separated using non-toxic trisodium citrate.
- Through pH control, it was possible to create various forms such as copper oxide nanoparticles and pure copper metal.
- **Iron recovery** from real e-waste samples was also successfully demonstrated.
- This green recovery process will reduce pollution caused by **e-waste and decrease the need for virgin metal mining.**
- IIT Madras is planning for testing, technology transfer, and licensing with industrial and recycling companies.

SPACE

India's First Private National Earth

Observation Satellite

- **Context:** A consortium led by Pixxel signed an agreement with IN-SPACe to build **India's first private national Earth Observation (EO) satellite constellation.**

IN-SPACe: The Indian National Space Promotion and Authorisation Centre is the nodal agency for authorising, regulating, and promoting private-sector participation in space activities.

The consortium, led by Pixxel, includes Indian startups **Dhruva Space, PierSight, and SatSure.**

Its aim to reduce India's dependence on foreign geospatial data while marketing EO data globally.

Under a public-private partnership, the consortium owns and operates the satellites, with the government having priority access to data.

Earth Observation Satellites

EO satellites are spacecraft equipped with **remote sensing technology** to monitor Earth's physical, chemical, and biological systems from space.

Sensor Types: They use active sensors, which emit their own radiation, like radar or passive sensors, which detect reflected solar radiation or thermal emissions.

Indian Milestones: The first experimental EOS was **Bhaskara-I (1979), and IRS-1A (1988)** was the first operational remote sensing satellite.

INDIAN POLITY

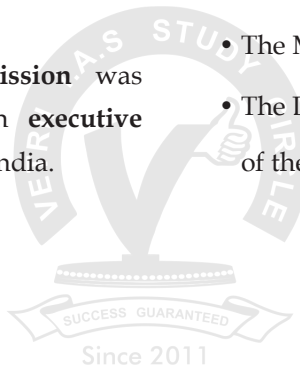
Central Vigilance Commission (CVC)

- **Context:** Shri Praveen Vashista, IPS (Bihar cadre, 1991 batch), was appointed as Vigilance Commissioner of the **Central Vigilance Commission** and took oath on 16 January 2026.

About Central Vigilance Commission (CVC)

- The **apex integrity and vigilance institution** of the Government of India.
- Mandated to **promote integrity, transparency and accountability in public administration and to prevent corruption in Central Government organisations.**
- The **Central Vigilance Commission** was established in **1964** through an **executive resolution** of the Government of India.

- It was later given **statutory status** by the **Central Vigilance Commission Act, 2003.**
- Originated from the recommendations of the **Santhanam Committee (1962-64)** on Prevention of Corruption.
- The **Central Vigilance Commissioner and the Vigilance Commissioners are appointed by the President of India on the recommendations of a High-Powered Committee (HPC)** consisting of:
 - Prime Minister
 - The Minister of Home Affairs
 - The Leader of the Opposition in the House of the People (Lok Sabha).



INDIAN ECONOMY

Reserve Bank – Integrated Ombudsman Scheme (RB-IOS)

- **Context:** With the aim of improving the grievance redressal process, the Reserve Bank of India (RBI) has released the Reserve Bank – Integrated Ombudsman Scheme, 2026, replacing the 2021 edition.

Reserve Bank – Integrated Ombudsman Scheme

- RB-IOS is a free mechanism for resolving customer complaints against entities regulated by the Reserve Bank under an **alternative dispute resolution framework**.
- It follows a jurisdiction-neutral, integrated framework based on the "One Nation – One Ombudsman" principle.

India's Fisheries Sector Growth

- **Context:** Government data shows India's fish production rose by **~106% jump in a decade**, driven by aquaculture expansion and policy push.
- India is the world's 2nd-largest fish producer, contributing **~8% of global fish output**, strengthening India's Blue Economy footprint.
- Seafood exports touched an **all-time high value of Rs.62,408 crore**, reflecting stronger value chains and export competitiveness.
- Fish is a low-cost **high-quality protein** source; it helps improve nutrition.
- Marine fisheries are integral to **India's Blue Economy framework**, promoting sustainable marine resource utilisation and coastal development.

IMF Revises India's GDP Growth for 2025-26

- **Context:** IMF World Economic Outlook (January 2026) upwardly revises India's GDP growth for FY 2025-26 from 6.6% to 7.3%.
- IMF's 7.3% growth estimate is slightly below the Union government's **7.4% prediction** for FY 2025-26.
- The report predicted that inflation in India is expected to go back to near-target levels after a decline in 2025 driven by subdued food prices. The **Reserve Bank of India's target for inflation is 4%**.

Core Industries Growth Rises to Four-Month High

- **Context:** Growth in the eight core industries accelerated to **3.7% in December, a four-month high**. Despite the uptick, growth was slower than **5.1% recorded in December last year**.
- Electricity sector growth rebounded to a **nine-month high of 5.3%** in December.
- Coal Sector output growth improved to a four-month high of **3.6%** in December 2025.
- Steel Sector growth edged up to **6.85% in December, from 6.7% in November**.
- Cement Sector output rose by **13.5% in December 2025**.

RBI Proposes Linking BRICS CBDCs

- **Context:** Reserve Bank of India (RBI) has recommended including a proposal to connect BRICS central bank digital currencies (CBDCs) on the agenda of the 2026 BRICS Summit.
- Proposal aims to make **cross-border payments faster and cheaper**.

- Builds on the **2025 BRICS Summit declaration (Brazil)** calling for interoperability of payment systems.
- Linking CBDCs could reduce reliance on the U.S. dollar amid rising geopolitical tensions.
- RBI clarified that promoting the digital rupee's global use is not aimed at de-dollarisation.

India's Digital Rupee and RBI's Vision

- RBI has shown interest in linking India's e-rupee with other nations' CBDCs.
- **E-rupee launched in December 2022.**
- RBI has promoted adoption through:
 - Offline payment functionality
 - Programmability for government subsidies
 - Allowing fintech firms to offer CBDC wallets

Cabinet Approves Capital Support to SIDBI

- **Context:** The **Union Cabinet** has approved a major financial decision to support India's MSME sector. The Union Cabinet approved a Rs.5,000 crore equity infusion into SIDBI.
- Aims to strengthen SIDBI's capital base, expand credit to MSMEs, improve access to affordable finance, and support employment generation across the country.
- SIDBI is India's principal financial institution for the MSME sector and plays a key role in **refinancing banks, NBFCs, and MFIs.**

Small Industries Development Bank of India (SIDBI)

- Established on **2 April 1990** set up under an Act of the Indian Parliament.
- Functions under the **Ministry of Finance, Government of India.**

- **Objectives:** Promote, finance, and develop the MSME sector. Coordinate the activities of institutions engaged in MSME financing.

MSDE Signs Landmark MoU with WEF

- **Context:** The **Ministry of Skill Development and Entrepreneurship** has signed a Memorandum of Understanding (MoU) with the **World Economic Forum to deepen cooperation in vocational education, training, and skill development** through the launch of the India Skills Accelerator.

- It aims to strengthen India's **Technical and Vocational Education and Training (TVET)** ecosystem through global collaboration.

- MSDE and WEF will work together to identify **skill gaps, promote innovation, and scale public private partnerships.**

- The partnership brings together government, industry, and educational institutions to ensure that India's skilling ecosystem remains aligned with emerging labour-market needs and global standards.

RBI Report on State Budgets

- **Context:** The Reserve Bank of India released its annual report, "State Finances", for the fiscal year 2025-26 to assess states' fiscal health and budgetary priorities.

- The consolidated Gross Fiscal Deficit of states is budgeted at **3.3% of GDP** for FY25. State capital expenditure is projected at **3.2% of GDP.**

- States with youthful populations like Bihar and Uttar Pradesh must increase education and skills spending to utilise their working-age populations.

- States like Kerala and Tamil Nadu are facing rising fiscal pressure from pension and geriatric healthcare demands.
- Demographically transitioning states like **West Bengal and Maharashtra** need to adjust their fiscal strategies for **long-term revenue sustainability**.

Urban Co-operative Banks

- Context:** The **Reserve Bank of India (RBI)** has proposed reopening the licensing window for **Urban Co-operative Banks (UCBs)** after a gap of more than 20 years, seeking stakeholder feedback.
- Urban Co-operative Banks (UCBs)** are member-owned, community-based banks operating mainly in urban and semi-urban areas, providing banking and credit services to small borrowers, traders, salaried employees and MSMEs.
- The **first urban co-operative credit society was registered in Kanchipuram (1904) under the Co-operative Credit Societies Act, 1904.**

Index of Industrial Production

- Context:** Growth in industrial activity accelerated to a 26-month high of 7.8% in December 2025, driven by strong performances across sectors including manufacturing, electricity, and consumer goods.
- Data released by the **Ministry of Statistics and Programme Implementation on the Index of Industrial Production.**
- Manufacturing led the growth, expanding 8.1%, sharply higher than 3.7% in December 2024, though slightly below November's 8.5%.

About the Index of Industrial Production (IIP)

- The Index of Industrial Production (IIP) is a key statistical tool used to measure the short-term changes in the volume of production in Indian industries.
- IIP tracks the growth or contraction of industrial activity over a specific period. It is widely used to assess the overall health and momentum of the industrial sector.
- The IIP is published by the **Central Statistics Office (CSO)**, which is part of the Ministry of Statistics and Programme Implementation (MoSPI).

Economic Survey Report

- According to the 2025-26 Economic Survey Report released by the Central Government, the Indian economic situation (2025-26 and 2026-27) is as follows:
 - GDP growth in the 2025-26 financial year: 7.4%.
 - GDP growth in the 2026-27 financial year: Projected to grow between 6.8% and 7.2%.
 - The service sector grew by 9.1%.
 - The Central Government's revenue increased to 9.2% of GDP.
 - There are 9.2 crore direct taxpayers. Total GST collection was ₹17.4 lakh crore, 6.7% higher than the previous year.

Finance, Banking and Investment

- The Central Government's capital expenditure was 4% of the country's Gross Domestic Product (GDP) in the financial year 2025-26.
- India's debt-to-GDP ratio has decreased by approximately 7.1% since 2020.

Banking Sector Status:

- Gross Non-Performing Assets (NPAs) have decreased to 2.2%.
- Net Non-Performing Assets (NPAs) have decreased to 0.5%.
- Banks' total credit growth increased to 14.5% in 2025 (11.2% in 2024).
- 55.02 crore new bank accounts have been opened under the Pradhan Mantri Jan Dhan Yojana.
- Funding of ₹36.18 lakh crore has been provided to 55.45 crore beneficiaries under schemes for Micro, Small and Medium Enterprises (MSMEs).

Demat Accounts and Investors:

- The total number of Demat accounts has crossed 21.6 crore.
- The number of new investors is 5.9 crore, of which 3.5 crore are from Tier-2 cities.

Agriculture Sector Growth and Foodgrain**Production**

- Average annual growth rate of agriculture and allied sector over the last five years: ~4.4% (at constant prices).
- In the second quarter of 2025-26, the agriculture sector registered a growth of 3.5%, almost one percentage point less than the average.
- The decadal growth of 4.45% (2015-16 to 2024-25), the highest in comparison to previous decades.
- It has primarily resulted from the strong performance in livestock (7.1%) and fishing and aquaculture (8.8%), followed by the crop sector at 3.5%.
- India's food grain production in the 2024-25 financial year was 3,577.3 lakh metric tons,

which is 254.3 lakh tons more than the previous year.

- Under the PM-KISAN scheme, ₹4.09 lakh crore has been provided to farmers.

Industry, Production and Employment

- Through the production-linked incentive scheme operating in 14 key sectors, investments worth ₹2 lakh crore have been attracted. This has created 12.6 lakh new jobs.
- India is the third largest country globally in solar power and renewable energy production.

Social, Educational and Digital Ethics

- The multidimensional poverty rate, which was 55.3% in 2005-06, has decreased to 11.28% by 2022-23.
- The report states that restrictions should be imposed to prevent children from accessing harmful content when using the internet, and that children should be encouraged to learn in a safe manner by reducing internet usage for educational purposes and providing instruction through low-tech devices (such as question-and-answer formats and educational apps).

Trade and Foreign Investment

- From 2005 to 2024, India's share of merchandise exports increased from 1% to 1.8%, while service exports rose from 2% to 4.3%.
- The country's total exports reached \$825.3 billion, a 6.1% increase compared to the previous year. Service sector exports grew by 13.6%, reaching \$387.6 billion.
- In the first quarter of the 2026 fiscal year, the country's current account deficit was 1.3% of GDP.

- Remittances sent by Indians residing abroad reached \$135.4 billion in the 2025 fiscal year.
- As of January 16, 2026, the country's foreign exchange reserves increased to \$701.4 billion.
- India attracted \$64.7 billion in investment from April to November 2025.
- Since August of last year, the US imposed a 50% trade tariff on Indian goods, impacting exports. To address this, India is negotiating a free trade agreement with the US. Six rounds of talks have been held so far, and the agreement is expected to be signed within this year. This will reduce foreign trade-related uncertainties.

MMR & IMR

- Since 1990, India has reduced its Maternal Mortality Rate (MMR) by 86%, far higher than the global average reduction of 48%
- Under-Five Mortality Rate (U5MR) declined by 78%, Exceeded the global reduction of 61%
- **Neonatal Mortality Rate (NMR)** fell by 70%, Compared with a 54% decline globally, these improvements recorded during the period **1990 to 2023**
- **Infant Mortality Rate (IMR)** dropped by over 37% in the past decade, reduced from **40 deaths per 1,000 live births in 2013, to 25 deaths per 1,000 live births in 2023.**

Evolution of Budget: Grains to gigabytes

- The history of India's Union Budget is effectively the biography of a nation in transformation. This timeline traces the shifting centre of economic gravity through five decisive phases and how the 'Briefcase' has carried India's destiny - from grain sacks to smartphones.

PHASE 1: 1947-1960 THE EARLY YEARS: FOUNDATIONS & SURVIVAL

A Free Nation-Year: 1947-48-FM: R.K. SHANMUKHAM CHETTY

- The primary focus was for the nation to "**consolidate into one unified whole**," dealing with the "setbacks resulting from Partition," and the rehabilitation of refugees. The estimates include... a lump sum provision of 22 crores for expenditure on the evacuation, relief and rehabilitation of refugees from Western Pakistan.

Food security - Year: 1951-52- FM: C.D.

DESHMUKH

- The 'Grow More Food' campaign was placed at the heart of economic planning to tackle food shortages. The FM argued that the food situation has deteriorated and as a result imports had to be increased. An additional 2 million tonnes of wheat were planned to be procured from the United States. Although Government are doing everything possible... the coming year the food position in the country is not likely to be easy.

The plan era- Year: 1955-56- FM: C.D.

DESHMUKH

- The last Budget of the First Five Year Plan was framed to secure the "orderly implementation of the Plan" and stock-taking of achievements. The plan was formulated under difficult circumstances with inflation, shortages and the like clouding the economy.

PHASE 2 : 1961-1989- MIDDLE DECADES: DEFENCE & AGRICULTURE

National security - Year: 1963-64- FM: MORARJI DESAI

- Following Chinese aggression, the "paramount

consideration" became building defence potential. Defence expenditure was increased to 1867 crore.

Social justice- Year: 1970-71- FM: INDIRA GANDHI

- It is generally accepted that social, economic and political stability is not possible without the growth of productive forces and the augmentation of national wealth. Also, that such growth and increase in wealth cannot be sustained without due regard to the welfare of the weaker sections of the community.

Rural focus- Year: 1979-80- FM: CHARAN SINGH

- Eradicating poverty/unemployment by assigning "pride of place" to agriculture and rural development. So long as there is great poverty and unemployment, particularly in the rural areas. Agriculture has the largest potential for generating employment, there can be no let up in the task of agricultural improvement.

PHASE 3 : 1990-2000- TURNING POINT: THE REFORM ERA

Liberalisation - Year: 1991-92- FM: MANMOHAN SINGH

- Budget was presented during a "fiscal crisis" and "balance of payments" trouble. The focus shifted to "macro-economic stabilisation" and "structural reform" to integrate India with the world. "After four decades of planning for industrialisation, we have now reached a stage where we should welcome, rather than fear, foreign investment."

A modern tax system- Year: 1994-95- FM: MANMOHAN SINGH

- Focus on restoring the health of the banking sector and phasing out "ad hoc Treasury

Bills" to strengthen fiscal and monetary discipline. We must accelerate the reform and modernisation of our tax system...structure now proposed goes a long way towards the kind of modern tax system and moderate tax rates and an emphasis on compliance.

Knowledge economy- Year: 1999-2000 FM: YASHWANT SINHA

- "Jai Vigyan" became a tribute to scientists and innovators. The time has come to unleash the creative potential of our scientists and innovators at grass roots level. Only then we can make India truly self-reliant and a leader in sustainable technologies. I propose a national foundation for helping innovators all over the country.

PHASE 4 : 2001-2013- TECHNOLOGY IN FOCUS: INCLUSION & INFRA

Infotech revolution- Year: 2000-01- FM: YASHWANT SINHA

- Acknowledged the potential of IT firms. Young Indian entrepreneurs are at the forefront of the infotech revolution, whether in Silicon Valley, Bangalore or Hyderabad. They have shown us how ideas, knowledge, entrepreneurship and technology can combine to yield unprecedented growth of incomes, employment and wealth.

Rural infrastructure- Year: 2005-06- FM: P. CHIDAMBARAM

- Launch of a business plan for rural infrastructure, among others. Bharat Nirman has to be implemented over a period of four years, for building infrastructure, especially in rural India. It will have six components, namely, irrigation, roads, water supply, housing, rural electrification and rural telecom connectivity.

Debt relief- Year: 2008-09- FM: P**CHIDAMBARAM**

- A massive agricultural debt waiver scheme was a prominent talking point. "Government is conscious of the dimensions of the problem and is sensitive to the difficulties of the farming community... government estimates that about three crore small and marginal farmers and about one crore other farmers will benefit from the scheme."

PHASE 5: 2014-2024 MODERN ERA: ASPIRATIONAL INDIA

Smart Cities & Skill India- Year: 2014-15-**FM: ARUN JAITLEY**

- "One hundred Smart Cities" and "Skill India" to focus on employability and entrepreneurship. "For this it is proposed to launch a pan India programme 'Digital India'A National Rural Internet and Technology Mission for services in villages and schools, training in IT skills... is also proposed."

Doubling farmers' income- Year: 2016-17-**FM: ARUN JAITLEY**

- A specific target was set to double the income of farmers by 2022. "Access to markets is critical for the income of farmers. The Government is implementing the Unified Agriculture Marketing Scheme which envisages a common e-market platform that will be deployed in selected 585 regulated wholesale markets."

Digital economy & GST- Year: 2017-18- FM:**ARUN JAITLEY**

- "Digital economy" to increase speed and transparency. "Demonetisation has strong potential to generate long-term benefits

in terms of reduced. Corruption, greater digitisation of the economy... We firmly believe that demonetisation and GST... will have an epoch making impact on our economy."

Health & wellbeing- Year: 2021-22- FM:**NIRMALA SITHARAMAN**

- Following the pandemic, the Budget rested on six pillars, with 'health and wellbeing' as the first. "So far, only three times has a Budget followed a contraction in the economy. All such contractions were as a result of situations typical to India. This time, the contraction in our economy is due to a global pandemic...."

Seven priorities- Year: 2023-24- FM:**NIRMALA SITHARAMAN**

- Seven priorities including green growth, youth power, and the financial sector were established. "Our vision for the Amrit Kaal includes technology-driven and knowledge-based economy with strong public finances... To achieve this, Jan Bhagidari through Sabka Saath Sabka Prayas is essential..."

New definitions- Year: 2024-25- FM:**NIRMALA SITHARAMAN**

- A focus on four major castes: 'Garib' (Poor), Mahilayen' (Women), 'Yuva' (Youth) and 'Annadata' (Farmer). A new definition of GDP: 'Governance, Development and Performance'. "We believe in empowering the poor. The earlier approach of tackling poverty through entitlements had resulted in very modest outcomes."

TAMIL NADU

INITIATIVES / SCHEMES

Tamil Nadu Launches Semmozhi Literary Award

- **Context:** Tamil Nadu Chief Minister announced the institution of a **National literary award for works in seven Indian languages**.
- In the first phase, the best literary works in the Indian languages of **Tamil, Telugu, Kannada, Malayalam, Odia, Bengali, and Marathi** will receive the **Semmozhi Literary Award every year**.
- The award will carry a **cash prize of Rs.5 lakh for each language**.
- The translation of **Heart Lamp into English** had made **Kannada writer Banu Mushtaq** famous across the world.
- The selection process for the awards will be conducted in a high-quality and transparent manner.
- The awards will be determined by a committee of renowned writers and awardees.

Air Quality Display Boards

- **Context:** The **Greater Chennai Corporation (GCC)** plans to install digital air quality display boards at 100 locations across the city at a cost of Rs.6.3 crore to provide real-time air quality and climate data.
- In the first phase, an **Internet of things (IoT)-based environmental sensor and display board** have been installed on a trial basis.
- The system will monitor 19 parameters, including particulate matter levels such as **PM2.5 and PM10**, and gases – nitrogen dioxide, sulphur dioxide, carbon monoxide

and ozone, along with temperature, humidity, wind speed, wind direction, atmospheric pressure, rainfall, ambient light levels, and air dust and noise levels.

- The real-time data will be used to generate localised Air Quality Index readings, issuing smog and heatwave alerts, and sending notifications to the authorities.

Climate education - Cool Schools program

- **Background:** The Climate Education - Cool Schools project was launched at Chennai by the Minister for Environment and Climate Change and the Minister for School Education.

Climate Education Program

- An announcement was made in the Legislative Assembly regarding the initiative to integrate climate literacy across all levels of the state education system.
- Summer and winter nature camps are planned for students.
- Residential training camps will be conducted for school teachers on climate change.

- Quiz competitions titled "**Know Your Environment**" will be held for school students.

- Course modules on climate literacy were released, and the climate education program was officially launched.

Cool Roof Project

- Studies indicate that climate change is causing urban heat island effects, which can affect students' health and learning abilities.

- To create a comfortable learning environment in school classrooms, the cool roof initiative has been included in the **Tamil Nadu Climate Change Mission's 2025–2026 action plan**.

- This project was implemented at **Perunthalaivar Kamarajar Girls Higher Secondary School** in Ambattur, Chennai.
- It was found that this reduced the temperature in the classrooms by 1.5 to 3 degrees Celsius.
- The Chief Minister has announced that this project will be extended to all green schools in Tamil Nadu.
- Books related to cool classrooms and green schools, developed under the United Nations' environment program, were released.
- The Green Schools Impact Report published by the Indian Institute of Human Settlements was released.
- Green school certificates were awarded to Perunthalaivar Kamarajar Girls Higher Secondary School in Ambattur, Chennai, and Kollumedu Government Higher Secondary School in Tiruvallur district.

Kuppai Thiruvizha

- **'Kuppai Thiruvizha'**: This massive waste collection drive, scheduled to take place from January 21 to 23, 2026, was launched across all 200 wards under the Greater Chennai Corporation (GCC) limits. is the first initiative in India to transform sanitation work from an administrative function into a social movement.
- Arrangements have been made for households to hand over segregated dry waste at collection centres.
- The goal is a "Tamil Nadu without landfills".

'Cleanliness Movement'

- Announced on **April 2, 2025**, and implemented from **June 5, 2025**.
- Objective: To ensure a "Zero Waste to Landfill" situation and to transition to a system where

waste is transformed into reusable resources.

Tamil Nadu Lays Foundation for Mamallan Reservoir

- **Context:** Tamil Nadu Chief Minister laid the foundation for the **Mamallan reservoir**, proposed as Chennai's sixth drinking water source and the **State's first freshwater reservoir** along the coast at **Vada Nemmeli on East Coast Road**.
- The reservoir was named after **Pallava ruler Narasimhavarman I**, also known as **Mamallan**, who founded **Mamallapuram**.
- The Pallavas, renowned for their water management system, created nearly 39 tanks, including **Uthiramerur and Thenneri**, which are still in use.
- This will improve the livelihood of fishermen dependent on brackish water fishing. Fishing licences would also be issued to fishermen in neighbouring localities

State Resource Centre

- **Context:** With the objective of providing teachers with laboratory-based experiential learning in teaching-learning activities, the Government of Tamil Nadu has established a State Resource Centre at a cost of Rs. 5 crore at the Professor Anbazhagan Educational Complex in Nungambakkam, Chennai.
- This State Resource Centre has been established with funding from the **Samagra Shiksha Abhiyan (Integrated School Education Programme)**.
- To enhance experiential learning for teachers and students using modern educational technologies, this State Resource Centre has been equipped with various subject

laboratories, special halls, and online training programs.

- A separate hall named "**Kasadara**" has been set up for students to conduct experiments themselves and understand concepts.
- This State Resource Centre will function throughout the year for the benefit of teachers and students.

Chief Minister's Urban Residences

- **Context:** Under the North Chennai Development Project, the Chief Minister inaugurated the "**Chief Minister's Urban Residences**," a complex of 776 apartment units built with modern infrastructure facilities at a cost of Rs. 147 crore in the Seven Wells area of Chennai, by the **Chennai Metropolitan Development Authority**.
- Facilities such as an Anganwadi centre, urban health centre, fair price shops, Chief Minister's office, modern library, gymnasium, open-air theatre, and children's play area have been created near the residences.

Vada Chennai Valarchi Thittam

- The "**Vada Chennai Valarchi Thittam**" was launched on 14.03.2024.
- The objective of the project is to address the areas in North Chennai that lack adequate infrastructure and basic amenities.
- This project will be implemented with funding from the Chennai Metropolitan Development Authority.

STAR (Simplified and Transparent Administration of Registration) 3.0

- **Context:** Tamil Nadu Chief Minister M.K. Stalin launched **Sprint 1 under STAR (Simplified and Transparent Administration**

of Registration) 3.0 for the Registration Department.

- It provides 18 services for property buyers and the general public. It has introduced '**presenceless registration**' and '**paperless registration**', among others. '**Paperless registration**' is now available for all 30 deed types.
- Citizens **no longer need to carry physical documents** to Sub Registrar Offices (SRO) to register their documents. Citizens can complete end-to-end registration completely online without having to visit the Sub Registrar Office.
- Citizens can apply for encumbrance certificate (EC) at the present SRO alone even though the village was previously in another SRO – eliminating the need for multiple EC applications.
- Paperless document registration is done with Aadhaar OTP/fingerprint verification, and documents are issued online with electronic signatures.
- EC, token, guideline value, and registration status can be obtained through the **TNREGINET mobile app and WhatsApp**.
- The facility for registering residents' associations completely online has been introduced under the **Tamil Nadu Apartment Ownership Act, 2002**.
- The STAR computerization project was launched in the Registration Department in 2000. STAR 3.0 has now been implemented as a continuation of that project.

Seawater Desalination Project

- **Context:** On January 22, 2026, the Chief

Minister laid the foundation stone for a seawater desalination project with a capacity of 60 million liters per day, at a cost of Rs. 2292.38 crore, in **Mullakkadu village, Thoothukudi district.**

- This project is designed to meet the water needs of the industries in the **Thoothukudi SIPCOT industrial park and surrounding areas.**
- The project is being implemented under the Hybrid Annuity Model; with **40% contribution from SIPCOT and 60% from a private consortium.**
- Through this project, uninterrupted water supply will be ensured to the industrial units through pipelines.
- As a result, the water from the **Thamirabarani river** will be reserved for public drinking water and agricultural use.

Tamil Nadu Seawater Desalination Projects

- The **Minjur Seawater Desalination Plant** (100 MLD), **India's first such plant, has been operating in the Bay of Bengal since 2010,** supplying drinking water to Chennai.
- The **Nemmeli Seawater Desalination Plant** has two separate units; the 150 MLD capacity plant was inaugurated in 2024 and will provide drinking water to 9 lakh residents.
- The **Perur Seawater Desalination Plant** (400 MLD) is under construction near Nemmeli; funded by the **Japan International Cooperation Agency (JICA)**, it is expected to be the largest plant in Southeast Asia.

New website to promote energy production in Tamil Nadu

- **Context:** On **January 23, 2026,** the Transport Minister launched the **Tamil Nadu Renewable**

Energy Land Portal in Chennai.

- The portal helps register unused lands and allows investors to identify sites for renewable energy projects.
- The **"Solar Power for Every Home"** scheme and Rooftop Solar Guide app were launched.
- Tamil Nadu ranks 3rd in green energy, 2nd in wind power, and 4th in solar power in India.

"Solar Power for Every Home" (PM-Surya Ghar: Muft Bijli Yojana)

- It is a **Central Sector Scheme** was launched in **February 13 2024** by the **Ministry of New and Renewable Energy (MNRE).**
- Implemented nationally by National Programme Implementation Agency (NPIA) and at state level by **State Implementation Agencies (SIA).**
- Offers up to 300 units of free electricity per month for household. Targets 1 crore households by March 2027.

Renewable energy status in Tamil Nadu

- **52% of Tamil Nadu's total installed energy capacity is generated from renewable energy sources.**
- The state has an estimated wind power potential of approximately **64 GW.**
- Tamil Nadu contributes **40% to India's total renewable energy** generation capacity.
- It ranks fourth in India in renewable energy production.
- The state aims to **achieve 50%** of its total energy from renewable sources and **reduce carbon emissions by 70%** by 2030.

Skill Development Program Training

- **Context:** The skill development program

training for students studying in **classes 6 to 9** in government schools has been extended until the annual examinations of the current academic year.

- This program was implemented in government schools from July with the aim of improving **language and mathematical skills** in the 2025–2026 academic year.
- Training was provided until the **half-yearly examinations** to ensure students achieved basic learning skills.
- As there is a need to provide additional training to students who have not yet achieved proficiency, the skill development training has been extended until the annual examinations.

“Thiran” (Targeted Help for Improving Remediation & Academic Nurturing) Program

- Thiran scheme has been launched by the **Tamil Nadu School Education Department**.
- It aims to bridge learning **gaps for students of Classes 6 to 9**.
- The program focuses on improving **Tamil, English, and Mathematics skills**.
- The training runs for **six months** to strengthen basic learning abilities.
- Targeted training and academic support are provided to selected students.
- It helps students consolidate basic skills and prepare for higher-level subjects.

The Great Tamil Dream Project

- Context: Under the Great Tamil Dream Project, a fund of Rs. 1.08 crore has been allocated for teacher training workshops. A total of 1,500 teachers from four districts – Chennai, Coimbatore, Trichy, and Madurai – will

participate in 12 events, receiving two days of training.

The Great Tamil Dream Project

- This project was launched by the Government of Tamil Nadu in the 2022-23 academic year and aims to create awareness among students in over 200 colleges about **Tamil heritage, culture, Sangam literature, social justice, and women's empowerment**.
- The objective of this project is to connect the younger generation with Tamil heritage and pave the way for career opportunities and skill development.
- The **Tamil Virtual Academy**, in collaboration with the **Department of Higher Education**, is implementing this project.

Tamil Nadu Republic Day Parade 2026

- **Context:** Tamil Nadu Governor unfurled the **national flag** in Chennai in the presence of Chief Minister and other dignitaries, marking the Republic Day celebrations.
- **Wing Commander Paramjeet Singh Arora** was the parade commander, while **Flight-Lieutenant Thamizhvani** served as the parade adjutant.

Tamil Nadu Republic Day Awards

- Madurai city, Tiruppur city, and Coimbatore district secured the top three positions in the Chief Minister's Trophies for the Best Police Stations in the State.
- CM presented various awards, including the Anna Medal for Gallantry to three men in the Fire and Rescue Services Department. Fireman-driver V. Sankar, fireman S. Rameshkumar, and fireman P. Suresh and Peter Johnson(Late).

- M. Kalimula of Tiruppur district received the **Kottai Ameer Communal Harmony Award**. He worked for promoting communal harmony and it consist of **Rs 5 lakh cash prize**, a gold coated medal and a certificate.
- **Farmer G. Veeramani received the Narayanasamy Naidu Paddy Productivity Award**. This award is given to a farmer who obtains the highest yield using the System of Rice Intensification method. The award carries **Rs 5 lakh cash prize** and a gold plated silver medal with a certificate.
- Inspector P. Natarajan, sub-inspectors M. Sathianandan, S. Manikandan, K. Natarajan, and constable V.P. Kannan received the **Gandhi Adigal Police Medals**. The medal carries **Rs 40,000 cash prize**.

TNWeSafe Project

- **Context:** The Chief Minister of Tamil Nadu launched the Tamil Nadu Women's Employment and Safety (TNWeSafe) project, **funded by the World Bank**.
- Its objective is to create the necessary infrastructure so that all educated women can live independently, earn respectable salaries, grow as entrepreneurs, and live without fear.
- The TNWeSafe project is an integrated system for the advancement of women and the improvement of their quality of life.
- It provides employment opportunities, services, and recognition. The World Bank will provide Rs.1,250 crore in funding, of which Rs/147 crore was released to Tamil Nadu in the first phase.
- Under this project, the Tamil Nadu government is implementing nine key schemes:
 - Womenomics
 - Women Information Bank
 - Synergy
 - Thiransudar
 - Kalangarai
 - Thozhil Vidhai
 - Thozhilanangu
 - Anbu Kudil
- These schemes are designed to strengthen the existing women's empowerment initiatives

HPV Vaccination Programme

- **Context:** Chief Minister launched the cervical cancer (HPV) vaccination program for schoolgirls on Tuesday (Jan. 27).
- In the first phase, the vaccine will be administered to schoolgirls in **Dharmapuri, Perambalur, Tiruvannamalai, and Ariyalur** districts, which have a high incidence of cervical cancer.
- The plan is to administer the HPV vaccine to girls aged 9–14 years.
- The Expanded Immunization Programme to prevent six diseases was launched in Tamil Nadu in 1978, and to further strengthen it, the immunization program was implemented nationwide in 1985.
- Under this program, 11 types of vaccines are provided to pregnant mothers and children, thereby providing protection against 12 types of diseases.
- Approximately 1.2 lakh women are newly diagnosed with cervical cancer every year in India, and in Tamil Nadu, cervical cancer is the second most common cancer affecting women, after breast cancer.

- Cervical cancer is caused by **Human Papillomavirus (HPV) infection**.
- The primary objective of TNSRLM is to reduce poverty by enabling poor households to engage in gainful self-employment and skilled wage employment through livelihood interventions and facilitating access to financial and other services.

Scheme for providing Turtle Excluder Devices

- **Context:** To protect sea turtles that come to the coast for breeding in the coastal districts of Tamil Nadu from fishing trawlers, a scheme to provide **Turtle Excluder Devices (TEDs)** to fishermen free of cost, at an estimated value of Rs. 6.40 crore, was launched by the Department of Fisheries and Fishermen Welfare.
- Every year, from January 1st to April 30th, the Government of Tamil Nadu implements sea turtle conservation measures during the breeding season.
- The movement of fishing boats is **monitored through ISRO transponders**.
- The **Turtle Excluder Device (TED)**, which allows turtles caught in fishing nets to escape, has been designed and provided with the assistance of the **Central Institute of Fisheries Technology (CIFT)**.
- The use of TEDs ensures the safe release of sea turtles from fishing trawls.
- Mahalir Thittam, the precursor to TNSRLM promoted Women Self Help Groups of 12-20 women aged between 18 to 60 years who voluntarily came together to promote savings.
- TNSRLM in the state was fashioned on the core principles of the Vaazhndhu Kaattuvom Project to reach the poorest of the poor through creating institutions of the poor in the form of SHGs, PLFs etc.

India Global Education Conference 2026

- **Context:** The India Global Education Conference 2026 was held at the Kalaivanar Arangam in Chennai. Memoranda of Understanding (MoUs) and Letters of Intent (LoIs) were signed with universities and educational institutions from various countries in the presence of the Chief Minister.
- This conference was held with the aim of strengthening Tamil Nadu as a global hub of knowledge, innovation, and skill development.
- Tamil Nadu stands as the only state in India to have achieved double-digit growth of 11.19%, comparable to the strength of the world's top 50 economies.
- Tamil Nadu is one of the states in India with the strongest higher education infrastructure and the highest student enrollment rate.
- In collaboration with the National Indian Students and Alumni Union from the UK, the India International Education Conference is

Bank of Baroda-TNSRLM MoU

- Bank of Baroda, Chennai Zone signed an MoU with the Tamil Nadu State Rural Livelihoods Mission (TNSRLM).
- The MoU aims to extend banking and financial services to Self-Help Groups promoted by TNSRLM across Tamil Nadu. Tamil Nadu State Rural Livelihoods Mission (TNSRLM)
- Tamil Nadu State Rural Livelihood Mission is implemented by the Government of Tamil Nadu from the year 2012-13.

being held for the first time in India, in Tamil Nadu.

in Tamil Nadu to global customers and attract international investments.

- This conference serves as a unique platform where education, innovation, employment, and global partnerships converge.
- Tamil Nadu's 'Integrated New Textile Policy 2025-26' was released.

Arasu Palli Thoothuvar Scheme

Tamil Nadu Knowledge City Project

- **Context:** The Chief Minister laid the foundation stone for the Tamil Nadu Knowledge City, which is to be established in Sengathukulam, Melmaligaipattu, and Inambakkam villages of Uthukottai taluk in Tiruvallur district.
- This city is being developed as a global knowledge hub by integrating higher education, research and development, technology, and entrepreneurship.
- The city will serve as an integrated landscape where educational, research, and industrial institutions seamlessly connect.

▪ **Context:** The Minister of School Education launched the Arasu Palli Thoothuvar Scheme

- In the ambassador program, alumni will be appointed as ambassadors in their respective schools.
- The ambassadors will be involved in activities such as **improving students' higher education prospects and upgrading school infrastructure.**

▪ The Alumni Mentorship Program and the 'Vizhuthugal' app were also launched.

'Vizhuthugal' Program 2025

▪ The "Vizhuthugal" program was launched by the School Education Department on January 9, 2025, with the aim of improving Tamil Nadu government schools.

▪ Alumni of Tamil Nadu government schools who have **achieved success worldwide are the beneficiaries of this program.**

▪ This initiative encourages community participation in the progress of government schools and aims to **create a model for educational development with the support of alumni who have excelled in various fields.**

▪ This initiative is designed to enable alumni to take on social responsibility in supporting and nurturing the schools that contributed to their success.

International Textile Conference

- **Context:** The "First International Textile Industry Conference 360" was held in Coimbatore.
- This conference is jointly organized by the **Department of Textiles of the Government of Tamil Nadu and the Confederation of Indian Industry (CII).**
- Tamil Nadu has consistently been the largest exporter of ready-made garments in India for the past 5 years. Tamil Nadu's share in the Indian textile trade is 33%.
- Main objective of the conference: To introduce the robust infrastructure of the textile sector

ECONOMY

Circular Economy Investment Policy 2026

- **Context:** Tamil Nadu has rolled out a **Circular Economy Investment Policy 2026** to promote **recycling based industries, attract private investment, and create green jobs** across key industrial sectors.
- The policy launched by Chief Minister focuses on waste **heavy sectors such as textile, automobile and electronics.**
- To anchor circular manufacturing SIPCOT will develop low-carbon green industrial parks in partnership with national and international players aimed at reducing direct and indirect emissions.
- **Tamil Nadu is the country's second largest producer** of electronics and optical products and generates an estimated 31,000 tonnes of e-waste annually.

ENVIRONMENT

International Dugong Conservation Centre

- **Context:** The **Expert Appraisal Committee (EAC)** of the **MoEFCC** asked the Tamil Nadu government to revise the design of the proposed **International Dugong Conservation Centre.**
- The centre is proposed at Manora, Thanjavur district, with an estimated cost of ₹40.94 crore.
- The project is planned over about 28,000 sq. metres, largely falling within CRZ-III (No Development Zone).

About Dugongs

- Dugong is a large, slow-moving marine mammal, commonly called a **"sea cow"**, that feeds exclusively on seagrass.

- It is a **keystone species**, playing a vital role in maintaining healthy **seagrass meadows.**
- They are found along the **Indian coastline**, primarily inhabiting warm waters around the Andaman and Nicobar Islands, the **Gulf of Mannar, Palk Bay, and the Gulf of Kutch.** The dugong is a long-lived species, able to live up to 70 years.
- IUCN status: Vulnerable.

Tamil Nadu's First State-wide Raptor Assessment

- **Context:** The first-ever State-wide raptor assessment will be conducted on **January 31 and February 1.** To study raptor population, biology, and ecology and support localised conservation efforts amid rising threats such as habitat loss, poisoning, electrocution, and illegal wildlife trade.
- The Western Ghats, Eastern Ghats, and the coastal wetlands of Tamil Nadu were vital raptor habitats.
- The **Advanced Institute for Wildlife Conservation (AIWC)** aims to assess the raptor population through a State-wide synchronised survey. The assessment is to include both diurnal and nocturnal raptors.
- Tamil Nadu is a significant habitat for raptors, hosting over 65 raptor species of the orders **Accipitriformes, Falconiformes, and Strigiformes.**

Raptors

- Raptors are keystone species and provide various ecosystem services and are considered bio-indicators of environmental health.

- Decline of raptors globally hinders the ecosystem functions of birds of prey, including pollination, seed dispersal, scavenging, and predation.

Government of India, and the Department of Cultural Affairs, Government of Maharashtra.

Madras Hedgehog

- **Context:** For the first time, the **Tamil Nadu forest department** has begun a study on the rare mammal species Madras Hedgehog at the Theri forests in the district.
- **Paraechinus nudiventris** is the scientific name of the Madras Hedgehog.
- The species prefers dry **scrublands, thorn forests, grasslands and the edges of farmlands.**
- It is found only in peninsular India, primarily across Tamil Nadu, Kerala, Andhra Pradesh and parts of Karnataka.
- IUCN Status **Least Concern**

State Literacy Award

- Under the New India Literacy Programme, basic literacy education has been provided to 30 lakh people in **Tamil Nadu since 2022.** The School Education Minister presented the State Literacy Award to 342 literacy centres that performed exceptionally well under this scheme.
- In Tamil Nadu, through the Directorate of Non-Formal and Adult Education, basic literacy education was provided to approximately 15 lakh people in the first 3 years under this scheme.
- In the last 4 years, more than 30 lakh people have received basic literacy education under this programme.

AWARDS

Ilaiyaraaja Honoured with Padmapani Award

- Veteran composer **Ilaiyaraaja** selected for the **Padmapani Award at the 11th Ajanta-Ellora International Film Festival.** The award comprises a Padmapani memento, a citation certificate, and a cash prize of Rs.2 lakh.
- Award recognises his **unparalleled contribution to Indian cinema and music.**
- Padmapani Award is a lifetime achievement honour of the Ajanta-Ellora International Film Festival.
- The festival is organised with the support of the **Ministry of Information and Broadcasting,**

New India Literacy Programme 2022

- The **New India Literacy Programme** was launched by the Central Government in 2022 to impart basic literacy to illiterate individuals aged 15 and above across the country with the help of volunteers.
- Under this scheme, **a target has been set to educate 50 million people by the year 2027.**

Best Election District Award

- **Thanjavur district** has received the **Best Election District Award for the year 2025.**
- The President presented this award to the District Collector of Thanjavur.
- Thanjavur district excelled in **voter list management, inclusion, and deletion processes by fully utilizing technology.**

REPORT/SURVEY

Economic Survey 2025–26 Highlights on Tamil Nadu

- **Context:** The Economic Survey 2025-26, tabled by Union Finance Minister in Parliament, has highlighted some of the key initiatives being implemented by the Tamil Nadu government, including the 'Thozhi' working women's hostels that provide affordable housing to working women.

'Thozhi' Hostels

- According to the survey, these hostels, run by the Tamil Nadu Working Women's Hostels Corporation through public-private partnerships. They offer a practical blueprint for States seeking to expand women workforce.
- It will be operated under the aegis of the Tamil Nadu Working Women's Hostel Corporation Ltd which has been established under the Companies Act of 2013.
- They aim to creating high quality affordable self- sustaining chain of hostels across Tamil Nadu, as one of its kind in the country.
- Tamil Nadu is a leading State in India in terms of women labour force. So far, 19 'Thozhi' hostels, equipped with state-of-the-art facilities, have been established in 15 districts, benefiting 1,824 women.

TN-SHORE

- The survey notes that **Tamil Nadu has a coastline of 1,069 km across 14 districts** that are vulnerable to shoreline erosion, storm surges, and sea-level rise.
- The Tamil Nadu Coastal Restoration Mission (TN-SHORE) employs a multi-pronged approach to improve coastal biodiversity and protection, enhance livelihood, and mitigate pollution.
- TN-SHORE is a Rs.1,675-crore World Bank-funded project to strengthen the State's coastal resilience and economy. Of the total investment, around **Rs.1,000 crore will come from the World Bank and the State will contribute the rest.**

Climate Resilient Villages

- The survey also highlights Climate Resilient Villages, an initiative taken up in Tamil Nadu and in a few other States.
- It says such an initiative demonstrates how resilience can be institutionalised at the grassroots by transforming resilience from a project into a function of local governance.
- In Tamil Nadu, **Killai near Pichavaram in Cuddalore district**, known for its vast mangrove forests, was the **first Climate Resilient Village.**

NATIONAL - NEWS

Launch of India's First Sleeper Vande Bharat Train

- **Context:** Prime Minister inaugurated **India's first overnight sleeper Vande Bharat train**. The launch ceremony was held in **Malda, West Bengal**.
- The sleeper Vande Bharat train will operate between **Howrah (Kolkata) and Kamakhya (Guwahati)**.
- PM Modi highlighted that the **Vande Bharat sleeper** train is indigenously manufactured, reflecting a move towards **self-sufficient Indian Railways**.

Vande Bharat Train

- Vande Bharat Express, earlier known as **Train 18**, is **India's fastest indigenous train**, built by the **Integral Coach Factory (ICF), Chennai** under the **Make in India** initiative.
- It is **India's first semi-high-speed train**, capable of attaining a **maximum speed of 160 kmph**. It is also the first locomotive-less train in the country.

India and Oman Memorandum of Understanding

- **Context:** **India and Oman signed a Memorandum of Understanding** in Muscat regarding the preservation of maritime heritage and museums.
- India and Oman are strengthening their relations through joint port projects, shipping operations, and maritime cooperation.
- Key projects include the **Tuticorin Outer Harbour in Tamil Nadu** (\$1.3 billion) and a \$9 billion port in Oman with a capacity to handle 23 million TEUs annually.

- **INS Kaundinya** is undertaking a voyage from **Porbandar in Gujarat to Sultan Qaboos Port** in Muscat, commemorating maritime heritage.

Guidelines to promote exports

- **Context:** The Central Government has formulated guidelines for Indian trade offices abroad to promote exports.
- **India has set a target** to increase revenue from exports of goods and services to **2 trillion US dollars by 2030**.
- The guidelines cover aspects such as non-tariff trade barriers, market engagement, planning, resource management, trade intelligence, and market research.

Human-Carrying Drone Ambulance

- **Context:** The Andhra Pradesh government has partnered with **Dr. Kalam Advanced UAV Research Centre (CASR), Anna University, Chennai**, to develop the world's first long-range, human-carrying drone ambulance.
- The project is aimed at ensuring **rapid medical response in remote and underserved regions by leveraging advanced unmanned aerial vehicle technologies** to save lives and strengthening public health infrastructure.
- Apart from patient transport, the network would support rapid delivery of **medical supplies, blood, diagnostic samples, and emergency medical equipment**.
- The project is a flagship initiative envisioned by **Chief Minister N. Chandrababu Naidu** to modernise emergency healthcare and human transport systems.

Chips to Start-up (C2S) Programme

- **Context:** The **Chips to Start-up (C2S) Programme** has delivered measurable

outcomes in strengthening India's semiconductor ecosystem.

- The C2S Programme is an **umbrella capacity-building** initiative launched in 2022 by the Ministry of Electronics and Information Technology (MeitY).
- To develop industry-ready chip-design talent and strengthen India's indigenous semiconductor design ecosystem.
- It is implemented by the **Centre for Development of Advanced Computing (C-DAC)**.

Second Rangewide Estimation of River Dolphins

- **Context:** The Ministry of Environment, Forest and Climate Change (MoEFCC) launched the **second range-wide estimation** of riverine and estuarine dolphins under Project Dolphin.
- **Project Dolphin** is a comprehensive conservation movement launched by the **MoEFCC in 2020** to protect both riverine and marine dolphin species.
- The survey includes the **Irrawaddy dolphin** for the **first time**, along with the **Gangetic river dolphin and the Indus river dolphins**.
- It will be conducted in two phases across the Ganga and Brahmaputra river systems, covering the Sundarbans and Odisha.
- The survey uses advanced tools like hydrophones for underwater acoustic monitoring.
- **First Survey Result:** It estimated about **6,327 riverine dolphins** across India, with only three Indus River Dolphins recorded in the **Beas River, Punjab**. **Uttar Pradesh** recorded the highest dolphin population, followed by **Bihar**.

Special Intensive Revision (SIR) of Electoral Rolls

- **Context:** Election Commission (EC) told the Supreme Court that the SIR order was **"legislative" in character**.
- Authority derived from Article 324 of the Constitution, which grants the EC wide powers to conduct and control elections.
- **PART XV- Article 324- Superintendence, direction and control of elections to be vested in an Election Commission.**
- **Article 324** provided the commission with the freedom to "deviate" as an enabling feature to prepare the electoral roll, considering the myriad situations that may occur in time.

India's 2026 Republic Day Parade

- **Context:** For the first time, the Indian Air Force will showcase an operational formation based on **"Operation Sindoor"**, highlighting real-world battle integration rather than traditional static displays. The move reflects India's evolving defence communication strategy and focus on modern warfare preparedness.
- Operation Sindoor was a high-precision tri-services military campaign launched in May 2025 following a major terror attack in Pahalgam.
- The 2026 celebrations also commemorate the **150th anniversary** of **"Vande Mataram"**.
- European Union leaders **Antonio Costa, President of the European Council, and Ursula von der Leyen, President of the European Commission**, will be the chief guests at **India's 77th Republic Day celebrations**.

6th ASEAN-India Digital Ministers' Meeting

- **Sixth ASEAN-India Digital Ministers' Meeting (ADGMIN)** held virtually.

- Reaffirmed commitment to **deepen ASEAN-India digital cooperation.**
- Annual forum reviewing progress and setting priorities for **digital integration and inclusion.**
- Attended by digital and telecom ministers from 11 ASEAN Member States.
- The ministers acknowledged the adoption of the ASEAN-India Joint Statement on Advancing Digital Transformation at the **21st ASEAN-India Summit held in October 2024 in Vientiane.**
- **Key cooperation areas:** Digital Public Infrastructure (DPI), FinTech, Cybersecurity, Artificial Intelligence, Capacity building & knowledge sharing, Sustainable financing.

Mumbai Climate Week 2026

- **Context:** Mumbai is set to host a landmark urban climate event, positioning climate action as a fundamental child rights issue.
- **India's first city-led initiative** focused on citizen-driven climate solutions with a strong emphasis on children and youth participation.
- A key feature will be an electronic waste installation under the **Ministry of Education's Mission LiFE**, highlighting responsible consumption and youth-led action on e-waste management.

India International Conference on Democracy and Election Management (IICDEM) 2026

- **Context:** The Election Commission of India (ECI) will host the India International Conference on Democracy and Election Management (IICDEM) **2026 in New Delhi.**
- The event aims to showcase **India's electoral practices and foster global dialogue on strengthening democratic institutions.**

Election Commission of India- PART XV (Article 324-329)

- The Election Commission of India is an **autonomous constitutional authority** responsible for administering for **Union and State election process in India.**
- The body administers election to the **Lok Sabha, Rajya Sabha, State Legislative Assemblies in India, and the offices of the President and Vice President in the country.**
- Election Commission of India is a **permanent Constitutional Body.** The Election Commission was established in accordance with the Constitution on **25th January 1950.**
- The President appoints Chief Election Commissioner and Election Commissioners. They have **tenure of six years, or up to the age of 65 years**, whichever is earlier.

India-UAE Sign Long-Term LNG Deal

- **Context:** India and the UAE signed a **long-term LNG supply agreement** during the visit of **Sheikh Mohamed bin Zayed Al Nahyan to New Delhi.**
- UAE becomes India's second-largest LNG supplier, after **Qatar.** Agreement covers **0.5 million metric tonnes of LNG per year.**
- LNG is a cleaner fossil fuel used in power generation, industry, and domestic cooking gas.
- Supports India's rising energy demand driven by economic growth and urbanisation.
- **Diversification of LNG sources** reduces supply risks and strengthens long-term energy security.
- Contributes to **sustainable economic development.**

India's First Open Sea Marine Farming Project

- **Context:** India launched its first open-sea marine fish farming pilot project. The initiative focuses on finfish and seaweed cultivation in the Andaman Sea.
- It described as a landmark initiative to unlock the economic potential of India's oceans.
- It marks a shift from near-shore aquaculture to open-ocean farming in natural sea conditions and reflects increased policy focus on the blue economy since 2014.

Primary focus:

- **Marine finfish cultivation** in open-sea conditions.
- **Seaweed farming** in deep-water environments.
- Aims to promote **sustainable and scalable marine aquaculture**.

Population Census-2027

- **Context:** The Registrar-General and Census Commissioner of India (RG&CCI) notified **33 questions** that residents will have to answer in the **first phase of Census 2027**, which will be conducted between April 1 and September 30.
- The notification published on January 7, 2020 for Census 2021, which was delayed due to the COVID-19 pandemic and never took off, had 31 questions, the current notification has 33.
- According to the government, this will be the **first digital Census, the first to count caste and also the first where respondents will be able to self-enumerate through a yet-to-be announced portal**.

Census in India

- Provides basic statistics on human resources, demography, culture, and economic structure at local, regional, and national levels.

- Beginning in the year 1872, when the first census was conducted non-synchronously, the first synchronous census was taken under British rule in 1881, by W.C. Plowden, Census Commissioner of India.
- Population census is listed in Union List (entry 69) of Seventh Schedule in Indian Constitution. Census is conducted under the provisions of the Census Act, 1948.

India Flags the Indigenous Light Water Reactor (LWR)

- **Context:** India opens its **nuclear power sector to private players** and explores export opportunities, the nuclear establishment has stressed the need to fast-track the fabrication of indigenous Light Water Reactors (LWR)
- Light Water Reactors (LWR)
- LWR use ordinary (light) water as both a coolant and a neutron moderator.
- Its simpler design and engineering compared to heavy water reactors.
- It usually involves lower construction costs.

Republic Day parade

- **Context:** The Defence Research and Development Organisation (DRDO) will highlight **India's growing indigenous defence capabilities** by showcasing several path-breaking technologies at the 77th Republic Day parade and **"Bharat Parv 2026" at the Red Fort**.
- The key attractions of the programme include the Long Range Anti-Ship Hypersonic Missile (LR-AShM), and a dedicated DRDO tableau.
- The DRDO will display the LR-AShM along with its launcher during the Republic Day parade at Kartavya Path.

- The **LR-AShM** is a **hypersonic glide missile** capable of engaging both static and moving targets with high precision.
- The 150th year celebrations of the National Song, Vande Mataram, was the prominent theme, the event celebrated the country's successes during last year's "Operation Sindoor".
- President Droupadi Murmu presided over the event. President of the European Council, Antonio Costa and President of the European Commission Ursula von der Leyen were the chief guests.
- Over 100 artists came together to kick-start the celebration on the theme of Vividata Mein Ekta (unity in diversity), performing with traditional musical instruments from across the country, to demonstrate the nation's rich cultural diversity.
- The parade was led by Parade Commander Lieutenant-General Bhavnish Kumar, General Officer Commanding, Delhi Area, a second-generation officer.
- The celebration also saw the parade debut of the newly raised Bhairav Battalion, a specialised assault infantry unit.
- Showcasing India's first Water Metro, Kerala's tableau depicted the State's achievement of 100% digital literacy and green mobility.
- Chhattisgarh's tableau, themed "The Mantra of Freedom, Vande Mataram", paid tribute to tribal freedom fighters.
- Gujarat's tableau highlighted Vande Mataram and honoured Bhikaji Cama, underlining the State's role in the freedom movement.

Fighter jets to lead Republic Day flypast

- **Context:** The Indian Air Force (IAF) will showcase a formation of frontline fighter

jets with the call sign "Sindoor" during the **Republic Day flypast**, symbolising India's aerial dominance during Operation Sindoor.

- The spearhead formation will comprise two **Rafale jets, two MiG-29s, two Su-30 MKIs and one Jaguar aircraft** – all of which actively participated in the operation.
- The flypast will carry the flag of Operation Sindoor, commemorating India's decisive military response following the **Pahalgam terror attack**.

India's First 'State Bacterium'

- **Kerala** is set to become the **first state in India** to declare a state **bacterium to highlight the importance of beneficial microbes**

- A **bacterium** is a **microscopic, single-celled organism** that belongs to the group prokaryotes.

- The initiative **focuses** on the role of **microbes in agriculture**, health, and environmental sustainability, and seeks to move public perception beyond viewing microbes only as disease-causing agents.

- The objective is **not to conserve just one bacterium**, but to represent and promote the **entire spectrum of beneficial microbes**.

- **India's national microbe** is **Lactobacillus bulgaricus**, declared in **2012**, and **used in yogurt production**.

Granth Kutir

- **Context:** The President of India inaugurated **Granth Kutir at Rashtrapati Bhavan**. It has a rich collection of manuscripts and books in 11 classical languages of India which are **Tamil, Sanskrit, Kannada, Telugu, Malayalam, Odia, Marathi, Pali, Prakrit, Assamese, and**

Bengali.

- The aim of developing the Granth Kutir is to enhance awareness among the citizens regarding the **rich cultural and literary heritage of India.**
- It has a collection of about 2,300 books in 11 Indian classical languages of India.
- It has been developed through collaboration with central government, state governments, universities, research institutions, cultural organisations.

Digital Climate Atlas

- **Context:** The Government launched a **digital climate atlas, the Atlas of Climate Adaptation in Indian Agriculture (ACASA-India).**
- It marked 15 years of the **National Innovations in Climate Resilient Agriculture (NICRA)** programme.
- It is developed by **Indian Council of Agricultural Research (ICAR)** and Borlaug Institute for South Asia.
- ACASA-India is designed to support location-specific, data-driven adaptation planning to safeguard agri-food systems from climate stress.
- It strengthens **India's climate-resilience ecosystem and Viksit Bharat @2047 goals.**
- NICRA was **launched in 2011 by ICAR** to enhance the resilience of Indian agriculture to climate variability, including crops, livestock, and fisheries.

UGC's New Rules to Curb Caste Discrimination in Higher Education

- **Context:** The University Grants Commission (UGC) has issued mandatory regulations to combat caste-based and other forms of discrimination in colleges and universities.

Non-compliance will attract strict penalties.

- A 2019 IIT Delhi study found nearly 75% of students from lower castes experienced discrimination.
- Forms of discrimination include social exclusion, disrespectful treatment, and segregation in hostels, dining spaces, and sports.
- The Thorat Committee (2007) highlighted the creation of "separate spaces" for marginalised students within campuses.
- The regulations protect individuals belonging to: Scheduled Castes (SCs), Scheduled Tribes (STs), Other Backward Classes (OBCs).
- Additionally, protection extends to discrimination based on religion, gender, disability, and region, broadening the scope beyond earlier norms.
- Every college must now create an Equal Opportunity Centre (EOC). Listens to complaints about discrimination, Works to make the college more fair and inclusive, Ensures all students are treated equally.

Tamil Nadu's tableau in the Republic Day parade

- **Context:** In the 77th Republic Day parade, Tamil Nadu's tableau participated, reflecting its traditional heritage and modern technology.
- The tableau was designed with the theme of the Mantra of prosperity: "Self-Reliant India," showcasing the state's tradition and its pioneering role in development.
- The front of the tableau depicted a Jallikattu scene, combining bravery, skill, technology, and tradition.
- The central part featured scenes reflecting Tamil Nadu's advancements in electric vehicle

manufacturing and clean transportation.

- The rear of the tableau featured tree-shaped displays showcasing green technology and sustainable development.
- At the 75th Republic Day celebrations, Tamil Nadu's tableau was designed based on the theme 'The Kudavolai system of ancient Tamil Nadu - the mother of democracy'.

Project Sampark

- **Context:** The BRO successfully restored road connectivity and conducted a rescue operation at Chatergala Pass (10,500 ft) after heavy snowfall disrupted movement, evacuating civilians and army personnel without any casualties.
- The operation, carried out amid extreme weather and heavy snowfall, ensured the safe evacuation of stranded civilians and troops while restoring a critical communication route.
- Chatergala Pass, located on the Bhaderwah-Chatergala axis in the Jammu region.
- Border Roads Organization
- To strengthen connectivity and bolster strategic infrastructure in border regions, the Government of India established the **Border Roads Organisation in 1960.**
- The organisation is a unique amalgamation of **civilian and military personnel, combining technical expertise with military resolve.**
- BRO plays a vital role in national security, disaster response, and humanitarian assistance, guided by its motto "**Shramena Sarvam Sadhyam**" (Everything is achievable through hard work).

India Energy Week

- India Energy Week (IEW) 2026 will be held in **Goa from January 27–30.**
- IEW 2026 aims to promote energy security, investment promotion, and carbon reduction practices.
- This event is organized by the **Ministry of Petroleum and Natural Gas and the Federation of Indian Petroleum Industry (FIPI).**

India-European Union Trade Agreement

- **Context:** A free trade agreement between India and the European Union has been finalized.
- 93% of goods exported from India will not be subject to tariffs in European Union countries.
- 90% of goods imported from European Union countries will not be subject to tariffs in India for a period of 10 years.

India-EU Cooperation on Peaceful Nuclear Energy

- **Context:** The European Union (EU) and India have committed to promoting collaboration on the peaceful uses of nuclear energy under the India-Euratom agreement, according to a statement from the Joint India-European Union Comprehensive Strategic Agenda.

Areas of Nuclear Collaboration

- Research and development in nuclear science and technology.
- Advanced materials for radiation detectors.
- Radiation safety and nuclear security.
- Non-power applications of atomic energy.
- Cooperation on radio-pharmaceuticals.
- Strengthening collaboration in the International Thermonuclear Experimental Reactor (ITER).

Indian Railways Deploys Humanoid Robot

- Indian Railways has deployed a humanoid robot named 'ASC ARJUN' at Visakhapatnam Railway Station.
- ASC ARJUN is a humanoid robot that works with the Railway Protection Force (RPF) for security, surveillance and assistance at the station.
- The technology, designed and developed indigenously by the Indian Railways' dedicated technology team, has been implemented in Visakhapatnam.
- **Enhance safety and security of passengers at a busy station.**
- Optimise manpower by taking over routine patrolling and monitoring tasks so RPF staff can focus on critical work.

Buddhist Diamond Triangle

- **Context:** Odisha's **Buddhist Diamond Triangle – Lalitgiri, Udayagiri, and Ratnagiri** – has been added to India's Tentative List for World Heritage Sites.
- The three sites form interconnected monastic complexes located in Jajpur and Cuttack districts of Odisha.
- These sites are unique because they document 1,500 years of continuous history, showcasing the transition of Buddhism through three major schools.

The sites uniquely showcase all three major Buddhist traditions

- Theravada (Hinayana)
- Mahayana
- Vajrayana (Esoteric Buddhism)

Study Team to Enhance Tamil Nadu Farmer Producer Organizations

- **Context:** The Union Ministry of Agriculture and Farmers Welfare has constituted a high-level study team to review and improve the functioning of Farmer Producer Organizations (FPOs) in Tamil Nadu, including those involved in banana, turmeric, and coconut cultivation.
- The team will provide recommendations on ways to increase the efficiency, number, and utilization of FPOs in Tamil Nadu.
- The team includes representatives from NABARD, National Agricultural Cooperative Marketing Federation, Small Farmers Agribusiness Consortium (Tamil Nadu), ICAR National Research Centre for Banana, non-governmental organizations, and central government officials.
- The central government has stated that the final report must be submitted to the Ministry of Agriculture and Farmers Welfare within two months.

Farmer Producer Organization

- FPO is a producer organization whose members are farmers, and its development is supported by the Small Farmers Agri-Business Consortium (SFAC).
- FPOs were created in 2008, based on the recommendation for amendment to the Companies Act given by economist Y.K. Alagh in 2002.
- FPOs can be registered under the Companies Act, Societies Registration Act, or Indian Trusts Act.

SAMPANN-UMANG Integration

- **Context:** The SAMPANN pension management system has been integrated with the UMANG platform.
- The objective of the SAMPANN and UMANG integration is to enable pensioners to access all their pension-related information easily, clearly, and seamlessly on a single integrated digital platform

SAMPANN

- SAMPANN is a **digital pension management platform launched in 2018**.
- It helps in digitally managing all activities of the pension life cycle, including registration, processing, disbursement, and grievance redressal.
- It has been **developed by the Controller of Communication Accounts office**.
- **Department of Telecommunications (DoT) and BSNL** pensioners are the users of the SAMPANN platform.

UMANG

- **UMANG is a mobile application and web portal launched in 2017**.
- It allows citizens to access hundreds of services of the Central and State Governments in one place.
- Developed as part of the **Digital India initiative**.
- It has been developed by the **Ministry of Electronics and Information Technology (MeitY) and the National e-Governance Division (NeGD)**.
- Users can access government services in an integrated manner without having to download multiple applications.

PANCHAM

- **Context:** The Union Minister of State for Panchayati Raj launched the PANCHAM – Panchayat Assistance and Messaging Chatbot.

About PANCHAM

- A flagship digital initiative aimed at empowering Panchayat Elected Representatives and Functionaries.
- Acts as a digital companion for Panchayats, supporting day-to-day governance and service delivery.
- Provides timely, contextual guidance, simplified workflows, and easy access to official information.

Features of PANCHAM

- Establishes a first-of-its-kind direct link between the Government of India and Panchayat representatives nationwide.
- Integrated with **BHASHINI**. Supports **22 Indian languages**, enabling interaction in local languages.
- Citizens can access PANCHAM via a QR-code-based entry system.
- Panchayat officials can **send feedback, ask questions, and flag local issues** directly to the Ministry.
- Enables the Ministry to **directly share circulars, advisories, key messages, and updates**.
- Promotes **faster decision-making, quicker resolution of field-level issues, and stronger feedback loops** between grassroots institutions and policymakers.

WaSH Warriors

- **Context:** Ministry of Jal Shakti honoured WaSH Warriors at a Samvad Samaroh in New Delhi.

- WaSH Warriors are grassroots champions from rural communities, they lead efforts in Water, Sanitation, and Hygiene (WaSH). They work under Jal Jeevan Mission and allied programmes.
- Drill-down capabilities across **sectors, states, and timelines**

Advanced Data Analytics

- Role-based user access
- Interactive dashboards and reporting modules
- Enables review cases for **identifying data gaps**

Aim

- Promote safe drinking water, sanitation, and hygiene through community ownership (Jan Bhagidari)
- Ensure inclusive, equitable, and sustainable WaSH outcomes
- Focus on **women and vulnerable groups**

Menstrual Health as a Fundamental Right

- **Context:** The Supreme Court held that the right to menstrual health and access to menstrual hygiene management (MHM) is part of the right to life and dignity under Article 21 of the Constitution.

PAIMANA Portal

- Context: **The Ministry of Statistics and Programme Implementation (MoSPI)** has operationalised a new web-based portal, PAIMANA portal for the mandated monitoring of Central Sector Infrastructure Projects worth RS.150 crore.
- **Project Assessment, Infrastructure Monitoring & Analytics for Nation-building (PAIMANA)** acts as a centralized national repository of infrastructure projects, it also enhances **data accuracy, operational efficiency, and analytical reporting.**
- Monitoring of Central Sector Infrastructure Projects with a cost of Rs.150 crore or more.

- Denial of MHM facilities subjects menstruating girls to stigma, humiliation, and exclusion, undermining their dignity and equality.
- Inadequate MHM facilities were held to violate privacy, bodily autonomy, and decisional freedom of students.
- MHM includes autonomy, privacy, access to water, and hygienic disposal, not just basic sanitation.

Centralized Project Monitoring:

- Single-window interface for uploading, tracking, and reviewing project information
- Accessible to **ministries, departments, and implementing agencies**

- The right to life under Article 21 includes the right to menstrual health.
- The right to free and compulsory education under Article 21A includes supply of free sanitary napkins in schools.

Real-time Dashboards:

- Provides real-time monitoring of project progress

- State and Union Territory governments were directed to provide free sanitary napkins to girl students in government and private schools in rural and urban areas across the country.

States and UTs must ensure

- Functional, gender-segregated toilets in all schools.

- Free oxo-biodegradable sanitary napkins, preferably via vending machines in toilets.
- Establishment of 'MHM corners' with spare innerwear, uniforms, disposal bags, and essentials.

Ramsar Network

- **Context:** The Union Minister for Environment, Forest and Climate Change announced the inclusion of two new wetlands in India's Ramsar network.
- **New Ramsar Sites:** Patna Bird Sanctuary in Etah district, Uttar Pradesh, and Chari-Dhand in Kutch district, Gujarat.
- The new wetlands serve as habitats for hundreds of resident birds, threatened bird species, and wildlife such as Chinkara, wolves, caracal, desert cats, and desert foxes.

India - Ramsar Sites

- India is a signatory to the Ramsar Convention on Wetlands (1971, Iran). India acceded to it on February 1, 1982.
- India's Ramsar sites increased from 26 in 2014 to 96 in 2025, with two more new sites to be added.
- Tamil Nadu received its first Ramsar recognition in 2002 for the Kodiakkarai Wildlife and Bird Sanctuary.
- Tamil Nadu has 20 Ramsar sites and continues to be the state with the highest number of Ramsar sites in India.

LNG-Diesel Dual Fuel Diesel Electric Multiple Unit (DEMU) Train

- **Context:** A significant milestone has been

achieved in sustainable and environmentally friendly transportation by operating the country's first LNG-diesel dual-fuel Diesel Electric Multiple Unit (DEMU) train.

- In this system, approximately 40% of the diesel fuel has been replaced by LNG.

LNG (Liquefied Natural Gas)

- This is natural gas that has been cooled and liquefied.
- This reduces its volume by 600 times, making transportation easier.
- It contains 85–95% methane and some ethane, propane, and butane compounds.
- India's first commercial LNG bus was launched in Kerala.

Coking Coal Notified as a Critical & Strategic Mineral

- **Context:** The Government of India has notified coking coal as a Critical and Strategic Mineral under the MMDR Act, 1957. The move aims to strengthen the domestic steel sector and support the visions of Aatmanirbhar Bharat and Viksit Bharat 2047.

About Coking Coal

- A high-grade bituminous coal that converts into coke when heated without air.
- Essential raw material for steelmaking (blast furnaces).
- Higher carbon, lower moisture, and lower sulphur and phosphorus than non-coking coal.
- Distinguished by plasticity and swelling (caking index), unlike thermal coal which only burns.

- Over 90% located in Jharkhand's Jharia **Pragya-AIX** coalfield.

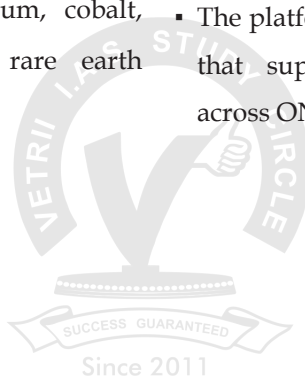
Mission Coking Coal 2030

- The Ministry of Coal launched it in 2021 to increase domestic coking coal production to 140 MT by 2030.

About Critical Minerals

- Minerals essential for economic development and national security, with high supply-chain vulnerability.
- In 2023, the Ministry of Mines identified 30 critical minerals, including lithium, cobalt, nickel, graphite, copper, and rare earth elements (REEs).

- **Context:** India's largest energy explorer **ONGC (Oil and Natural Gas)** has taken a decisive step towards embedding artificial intelligence into everyday operations.
- A new digital platform now brings multiple AI tools under one ecosystem, aiming to improve efficiency, safety and output across oil and gas operations.
- **Pragya-AIX** is a centralized digital platform that brings together ONGC's AI applications into one integrated system.
- The platform creates a **working AI ecosystem** that supports day-to-day decision-making across ONGC's work centres.



REPORTS & INDICES

The Global Risks Report 2026

- **Context:** The World Economic Forum released the Global Risks Report 2026, based on the Global Risks Perception Survey of over 1300 global experts, highlighting **geo-economics confrontation as the most severe near term global risk**.
- It evaluates **33 global risks across 2-year (short-term)** and 10-year (long-term) time horizons.

Highlights of the Report

- **Cybersecurity is the top risk for India in 2026**, reflecting dependence on digital governance, fintech, and critical digital infrastructure.
- **Income and wealth inequality is the second biggest risk** for India, highlighting social and regional disparities.

About World Economic Forum (WEF)

- It is an **inter public-private cooperation body**. Founded in 1971.
- It is **headquartered in Geneva, Switzerland**.
- Other reports published by the WEF
 - Global Competitiveness Report
 - Global Gender Gap Report
 - Energy Transition Index
 - Global Risk Report.

NITI Aayog Report on MSME Scheme Convergence

- **Context:** In January 2026, NITI Aayog released a report proposing **convergence of MSME schemes** to reduce duplication, improve efficiency and strengthen last mile delivery.
- Title: **Achieving Efficiencies in MSME Sector through Convergence of Schemes**
- Prepared by **Administrative Staff College of India**
- Analyses **18 centrally administered MSME schemes**

- Recommends **information convergence and process convergence**

- **Information convergence:** Integrating government-generated data at central and state levels to improve coordination, informed decision-making, etc. E.g., PM Gati Shakti integrates 16 Central Ministries.
- **Process convergence:** Merging similar schemes, combining common components, and fostering collaboration across ministries and states. E.g., Unified central sector scheme Vigyan Dhara under Department of Science and Technology acts as an umbrella scheme covering three broad components.

Key facts of MSME sector

- MSMEs contribute around **29–30% of India's GDP**, underscoring their role as growth engines.
- The sector employs over **28.7 crore people, second only to agriculture** in workforce absorption.
- MSMEs account for about **45–46% of India's exports**, despite only **~1% being direct exporters**.

NITI Aayog Reports

- **Context:** NITI Aayog released three reports on "**Promoting Circular Economy in End-of-Life Vehicles, Waste Tyres, E-waste and Lithium-ion Batteries in India**".
- The reports examined the challenges and pathways for progress in India's circular economy landscape.
- The recommendations focus on infrastructure development, sector-specific regulations, **improvement of EPR (Extended Producer Responsibility), and revenue generation**.
- A low-carbon, resource-efficient growth path is essential to achieve the **Viksit Bharat goal by 2047**, in which electrical appliances, EV vehicles, and lithium batteries will play a key role.
- **India has set a target of 30%** of total vehicle sales to be **electric vehicles by 2030**.

NATIONAL SCHEMES

10 years of Start-up India

- **Context:** On January 16, 2026 (National Start-up Day), the Prime Minister of India addressed the start-up ecosystem on the 10th anniversary of the Start-up India scheme, launched on January 16, 2016.
- Nearly 44,000 start-ups registered in 2025 – the highest annual addition since the launch of Start-up India.
- The number of unicorns has surged from 4 in 2014 to nearly 125 active ones by 2025.
- India is now the 3rd-largest start-up ecosystem in the world, according to the Prime Minister.

About Startup India Initiative

- Launched on 16th January 2016, the Start-up India Initiative aims to support entrepreneurs, strengthen the start-up ecosystem, and shift India from a job-seeking to a job-creating economy.
- The Start-up India Initiative is implemented by a dedicated Start-up India team under the Department for Promotion of Industry and Internal Trade (DPIIT).

Offshore Fish Farming Project

- **Context:** The first-of-its-kind offshore fish farming project in the country has been launched in the Andaman and Nicobar Islands. The Union Minister of Science, Technology and Earth Sciences inaugurated the project on January 18, 2026.

- The project is being implemented jointly by the Ministry of Earth Sciences, the National Institute of Ocean Technology (NIOT), and the Andaman and Nicobar Union Territory administration.
- Under this project, large cages will be set up in the open sea to cultivate sea bass.
- Seaweed cultivation will also be undertaken on an experimental basis.
- The objective is to explore India's vast marine resources and enhance the country's development through the blue economy.

Sukanya Samridhi Yojana

- **Context:** As the SSY completes 11 years on 22 January 2026, it stands as a testament to the collective faith of millions of families in the promise of their daughters.

Sukanya Samridhi Yojana

- The Sukanya Samridhi Yojana was launched with the aim of ensuring the education and future financial security of girl children.
- It is a key savings scheme launched and implemented on January 22, 2015, under the 'Beti Bachao, Beti Padhao' program, as it is government-backed, it is a safe and reliable investment.
- The high interest rate of 8.2% offers excellent returns for long-term savings.
- The opening of millions of accounts demonstrates the public's trust in and acceptance of the scheme.

- This scheme serves as a social transformation initiative that empowers girl children to become economically self-reliant.

Atal Pension Yojana

- **Context:** The Union Cabinet, chaired by the Prime Minister, has approved the continuation of the Atal Pension Yojana (APY) till the financial year 2030-31 and has also approved extending financial support for filling the funding gap and for outreach and development activities.
- This ensures old-age income security for millions of low-income workers.

Atal Pension Yojana

- **Launch:** The APY scheme was launched on May 9, 2015, with the objective of providing old-age income security to workers in the unorganized sector.
- **Scheme Features:** The APY scheme provides a guaranteed minimum pension of Rs.1,000 to Rs.5,000 per month from the age of 60, based on subscriber contributions.

One Station, One Product Scheme

- Through the Indian Railways' 'One Station, One Product' scheme, direct economic opportunities have been provided to more than 1.32 lakh passengers daily since 2022.
- This is an initiative to **promote local artisans and support grassroots entrepreneurs across the country.**
- Railway stations are being used to **showcase India's rich regional diversity of resources.**

One Station, One Product Scheme

- This scheme was launched on March 25, 2022. It integrates local heritage with the **national railway network, enhancing the passenger experience and supporting economic growth.**

Eliminating Malaria by 2030

- **Context:** Under the **National Framework for Malaria Elimination (2016–2030)**, India targets zero indigenous malaria cases by 2030, with nationwide **transmission interruption by 2027.**
- **160 districts** across **23 States/UTs** reported zero indigenous cases between 2022–2024, indicating widespread transmission interruption progress (MoHFW).
- Malaria incidence fell by **nearly 80%** between **2015** and **2023** nationwide.
- Tamil Nadu cases declined from **5,587 (2015)** to **321 (2025).**
- **Rapid urbanisation** increases breeding sites, with urban areas accounting for a rising proportion of reported malaria cases annually.

About Malaria

- Malaria is a **mosquito-borne infectious disease** that affects humans and other animals.
- It is caused by single-celled microorganisms of the **Plasmodium group of protozoans**
- Infected **female Anopheles mosquitoes** transmit Plasmodium parasites through bites. The parasites **multiply in the liver and destroy red blood cells (RBCs).**

AWARDS & HONOURS

Wiley Research Heroes Prize

- **Chandrakant Lahariya**, former staff member of WHO, has won the Wiley Research Heroes Prize 2025. Dr. Lahariya is the first and only Indian so far to win this prize
- These awards highlight individuals who ensure that research is inclusive, innovative, and impactful. He won in the category of “**Impact Beyond Academia**” prize this year.

Indira Gandhi Prize for Peace

- **Mozambican** rights activist and humanitarian **Graca Machel** has been selected for the **Indira**

Gandhi Prize for Peace, Disarmament and Development for 2025.

- Ms. Machel was chosen for her “**path-breaking work**” in the fields of **education, health and nutrition, economic empowerment and humanitarian action, carried out under difficult circumstances.**

Padma Awards

- **Context:** The Centre on Sunday announced Padma honours for 2026, with five **Padma Vibhushan, 13 Padma Bhushan, and 113 Padma Shri** awards. The recipients include eight personalities from Kerala, 11 from West Bengal, and **13 from Tamil Nadu.**

Padma Vibhushan Winners 2026

NAMES	FIELD	STATE
Dharmendra Singh Deol (Posthumous)	Art	Maharashtra
K T Thomas	Public Affairs	Kerala
Ms. N. Rajam	Art	Uttar Pradesh
P. Narayanan	Literature & Education	Kerala
V. S. Achuthanandhan (Posthumous)	Public Affairs	Kerala

Padma Bhushan Winners 2026

NAMES	FIELD	STATE
Ms. Alka Yagnik	Art	Maharashtra
Bhagat Singh Koshyari	Public Affairs	Uttarakhand
K. R. Palaniswamy	Medicine	Tamil Nadu
Mammootty	Art	Kerala
Dr. Nori Dattatreyudu	Medicine	United States of America
Piyush Pandey (Posthumous)	Art	Maharashtra
S. K. M. Maeilanandhan	Social Work	Tamil Nadu
Shatavadhani R. Ganesh	Art	Karnataka
Shibu Soren (Posthumous)	Public Affairs	Jharkhand
Uday Kotak	Trade & Industry	Maharashtra
V. K. Malhotra (Posthumous)	Public Affairs	Delhi
Vellappally Natesan	Public Affairs	Kerala
Vijay Amritraj	Sports	United States of America

Padma Shri Winners 2026

NAMES	FIELD	STATE
Ms. Gayatri Balasubramanian & Ms. Ranjani Balasubramanian (Duo)	Art	Tamil Nadu
H V Hande	Medicine	Tamil Nadu
K Ramasamy	Science and Engineering	Tamil Nadu
K Vijay Kumar	Civil Service	Tamil Nadu
Othuvaar Thiruthani Swaminathan	Art	Tamil Nadu
Dr. Punniamurthy Natesan	Medicine	Tamil Nadu
R Krishnan (Posthumous)	Art	Tamil Nadu
Rajastapathi Kaliappa Goundar	Art	Tamil Nadu
Ms. Sivasankari	Literature and Education	Tamil Nadu
Thiruvaarur Bakthavathsalam	Art	Tamil Nadu
Veezhinathan Kamakoti	Science and Engineering	Tamil Nadu
K Pajanivel	Sports	Puducherry
Madhavan Ranganathan	Art	Maharashtra
Baldev Singh	Sports	Punjab
Bhagwandas Raikwar	Sports	Madhya Pradesh
Praveen Kumar	Sports	Uttar Pradesh
Rohit Sharma	Sports	Maharashtra
Ms. Harmanpreet Kaur Bhullar	Sports	Punjab
Ms. Savita Punia	Sports	Haryana
Vladimer Mestvirishvili (Posthumous)	Sports	Georgia

Ashoka Chakra Award

- Ms. Murmu conferring India's highest peacetime gallantry award, Ashoka Chakra, on Group Captain Shubhanshu Shukla for being the first Indian to set foot on the International Space Station.
- The Ashoka Chakra is awarded for the most conspicuous bravery or some act of daring or pre-eminent act of valour or self-sacrifice otherwise than in the face of the enemy.

Republic Day Parade 2026 awards

- First Place - Maharashtra.** Tableau: "Ganeshotsav: A Symbol of Aatmanirbharta", Highlighted cultural self-reliance and local

traditions aligned with Aatmanirbhar Bharat.

- Second Place - Jammu & Kashmir.** Tableau: "Handicrafts and Folk Dances of J&K", Showcased regional heritage, traditional crafts, and vibrant folk culture.
- Third Place - Kerala.** Tableau: "Water Metro & 100% Digital Literacy", Linked technological innovation with inclusive and sustainable development.
- The **Indian Navy** was adjudged the Best Marching Contingent, praised for discipline and synchronization.
- The **Ministry of Culture** won the award for Best Tableau among Central Ministries for "Vande Mataram - The Soul Cry of a Nation".

IMPORTANT DAYS

Lokpal Foundation Day

- **Context:** Lokpal of India observed its **Foundation Day on 16 January 2026**, marking **12 years** since its establishment under the Lokpal and Lokayuktas Act, 2013.

About Lokpal of India

- A **statutory, independent anti-corruption ombudsman at the Union level.**
- Created under the **Lokpal and Lokayuktas Act, 2013.**
- Came into force on **16 January 2014** through commencement of **Section 3 of the Act.**
- It consists of a **Chairperson and up to eight Members.**
- **Chairperson and the members are appointed** by the **President of India** on the **recommendation of a statutory Selection Committee.**
- The current **Chairperson** of the Lokpal of India is **Justice Ajay Manikrao Khanwilkar.**

Kokborok Day 2026

- Kokborok Day, also known as Tripuri Language Day, is observed on **January 19** in Tripura to celebrate the Kokborok language.
- The day marks its recognition as an **official language in 1979** and highlights efforts to preserve tribal culture, literature and linguistic identity.

Rising Day of the National Disaster Response Force

- January 19, 2026, marks the **21st Raising Day** of the National Disaster Response Force, completing 20 years since its establishment.

- NDRF is a **specialised Indian paramilitary force** created for response to natural & man-made disasters.

- It was created in **2006** under the **Disaster Management Act of 2005.**

- The NDRF functions under the Ministry of Home Affairs and is administered by the **National Disaster Management Authority.**

Tripura, Manipur and Meghalaya Foundation Day

- **Tripura, Manipur and Meghalaya Foundation Day 2026** is being observed on **21 January**, completing 54 years since statehood.
- The day recalls the implementation of the **North Eastern Areas Reorganisation Act, 1971**, which reshaped India's north eastern administrative structure.

Parakram Diwas 2026

- Parakram Diwas 2026 is observed on **23 January** to remember and honour **Netaji Subhas Chandra Bose.**
- The day encourages people to stand up for truth, work hard for the nation, and remain united.

International Day of Education

- The International Day of Education, proclaimed by the **United Nations General Assembly in 2018**, is officially observed on **January 24.**
- In 2026, it will be celebrated with the theme **"The Power of Youth in Co-creating Education".**

National Girl Child Day

- The National Girl Child Day, declared by the Ministry of Women and Child Development in 2008, is officially observed on **January 24.**

- In 2026, it is celebrated with the theme "Empower Every Daughter, Build a Stronger India".

Uttar Pradesh Statehood Day (UP Diwas)

- It is celebrated annually on **January 24** to mark the renaming of the region from "**United Provinces**" to Uttar Pradesh in **1950**.
- It was officially observed since **2018**.

International Customs Day

- **International Customs Day (ICD)** is celebrated every year on **26 January** to acknowledge the vital contribution of customs authorities in managing international trade and safeguarding borders.

National Voters' Day

- It is observed on **January 25th** across India every year since 2011 to commemorate the foundation day of the Election Commission of India.
- **Theme:** The theme for National Voters' Day 2026 is "**My India, My Vote**" with a tagline of "**Citizen at the Heart of Indian Democracy**".

Language Martyrs' Day

- **Language Martyrs' Day** is observed on **January 25th** in Tamil Nadu to commemorate those who sacrificed their lives in the anti-Hindi agitation.
- This day is also celebrated as a state event under the name 'Tamil Language Martyrs' Day'.

Anti-Hindi Agitation

- On April 21, 1938, the Chief Minister of Madras Presidency, C. Rajagopalachari,

issued a government order making **Hindi a compulsory subject in 125 high schools**.

- Several Tamil organizations, led by **Periyar E.V. Ramasamy**, protested through black flag demonstrations and picketing.
- During the agitation, **L.Natarajan** and **Thalamuthu** died in prison.
- Due to public opposition, the **compulsory Hindi order was withdrawn in February 1940**.

Himachal Pradesh State Day

- Himachal Pradesh Day is observed every year on **January 24th**.
- According to the Himachal Pradesh State Act of 1970, it attained full statehood on January 25, 1971, becoming the **18th state of India**.

World Leprosy Day

- World Leprosy Day is observed on the **last Sunday of January**. This day was initiated in **1954** by **Raoul Follereau**.
- In 2026, it will be observed on **January 25th**.
- **Theme:** "Leprosy is curable, but stigma remains the real challenge".

World Environmental Education Day

- World Environmental Education Day is observed on January 26.
- **Theme:** "Ending Plastic Pollution."

International Day of Clean Energy

- The International Day of Clean Energy was observed on **January 26, 2026**.
- Theme: "Clean Energy for People and the Planet".

National Tourism Day

- National Tourism Day is observed every year on **January 25th in India**.

- The theme for 2026 is 'Sustainable Journeys, Unforgettable Memories'.

National Geographic Day

- **National Geographic Day 2026** is observed on **27 January** to celebrate exploration, geography, science, wildlife, and environmental conservation.
- The day promotes awareness about global challenges such as climate change, habitat loss, and wildlife conservation, reminding people that understanding the planet is essential to protecting its future.

International Data Privacy Day

- International Data Privacy Day, observed on **28 January**, has once again brought data protection into the national spotlight.
- The day reminds governments and citizens that privacy is central to trust in digital systems.
- The theme for 2026 is 'Take Control of Your Data'.

Indian Newspaper Day

- **Indian Newspaper Day 2026, observed on 29 January**, commemorates the publication of India's first newspaper, **Hicky's Bengal Gazette**.
- It was **India's first newspaper** and played a pioneering role in challenging authority and promoting freedom of expression.

Martyrs' Day

- Martyrs' Day 2026 is observed on **January 30** to commemorate the death anniversary of Mahatma Gandhi.
- **Martyrs Day**, also known as **Shaheed Diwas**, commemorates the assassination of Mahatma Gandhi on January 30, 1948.

International Zebra Day

- International Zebra Day is observed every year on **31 January** to spread awareness about one of the most unique animals on Earth the zebra.
- By celebrating this day, people across the world are encouraged to understand zebra conservation and support efforts to save this iconic African animal.

BOOKS & AUTHORS

- The Vice President of India, **Shri C.P.Radhakrishnan**, released a new book titled "**Chalice of Ambrosia: Ram Janmabhoomi - Challenge and Response**". The book is written by **Shri Surendra Kumar Pachauri**, a former Secretary to the Government of India.

EMINENT PERSONALITIES

Sunita Williams

- Sunita Williams, an **American astronaut of Indian origin**, has officially retired after 27 years of service at NASA.
- During her career, Sunita Williams set a record by **spending a total of 608 days in space**.
- She participated in **three space missions and conducted numerous scientific experiments at the International Space Station**.
- She embarked on her **first space mission in 2006** aboard the Discovery space shuttle.
- In 2012, she undertook her second space mission, spending 127 days in space.
- In **June 2024**, she traveled aboard the **Boeing Starliner spacecraft and spent 286 days in space**.
- She has performed a **total of 62 hours and 6 minutes of spacewalks**, holding the world record for the longest cumulative spacewalk time by a woman.

- Sunita Williams also holds the distinction of being the **first person to run a marathon in space**.

Netaji Subhas Chandra Bose

- Netaji Subhas Chandra Bose was born on **January 23, 1897, in Cuttack, Odisha**.
- He completed his B.A. at Calcutta University and secured the **fourth position in the ICS examination in 1920**.
- Under the guidance of **Chittaranjan Das**, he joined the Congress and participated in the freedom struggle.
- He was elected as the President of the Indian National Congress in 1938 (Haripura) and 1939 (Tripuri).
- He formed the **Forward Bloc party in 1939**.
- In 1941, he went to Germany and established the Free India Centre and the Indian Legion.
- On October 21, 1943, Subhas Chandra Bose announced the formation of the **Provisional Government of Free India in Singapore**.
- On **July 6, 1944**, he addressed **Mahatma Gandhi as the Father of the Nation**.

INTERNATIONAL

U.S. Formally Withdraws From the World Health Organization

- The United States is set to formally withdraw from the World Health Organization (WHO) after serving a one-year notice, despite warnings about adverse impacts on U.S. and global health governance.

About World Health Organisation

- The WHO is the **United Nation's specialized health agency** and is mandated to coordinate

the world's response to global health threats.

- **Genesis:** The International Health Conference held in **New York in 1946** adopted the Constitution of WHO, which entered into force in 1948.
- It began functioning on April 7, 1948 – a date now being celebrated every year as **World Health Day**.
- **Headquarters:** Geneva, Switzerland.
- **Key Functions:** WHO coordinates the world's response to health emergencies, promote well-being, prevent disease and expand access to health care.

DEFENCE

ICGS Sankalp

- **Context:** Recently, Indian Coast Guard Ship (ICGS) Sankalp visited Port Louis in Mauritius as part of overseas deployment in the Indian Ocean Region.
- ICGS Sankalp is an offshore patrol vessel which was commissioned in 2008.
- It is equipped with state-of-the-art **navigation and communication equipment**.
- It is designed primarily for extended maritime surveillance, exclusive economic zone (EEZ) protection, search and rescue operations, and enforcement of maritime laws within India's vast oceanic domains.

Military Quantum Mission Policy Framework

- **Context:** The Chief of Defence Staff (CDS) General Anil Chauhan has released the **Military Quantum Mission Policy Framework** to integrate quantum technologies into the **Indian Armed Forces**.
- The Military Quantum Mission Policy Framework is a strategic vision and roadmap document that lays down how **quantum technologies will be systematically adopted and operationalised** across the **Army, Navy and Air Force** to achieve future battlefield superiority.
- It aims to integrate quantum capabilities across tri-services through jointness and interoperability.
- It aims to align defence requirements with the National Quantum Mission using a civil-military fusion approach.

Operation Megaburu

- Operation Megaburu is a **large-scale counter-insurgency operation** against the CPI

(Maoist), conducted in the Saranda forest region, one of the last major Maoist strongholds in Jharkhand. It was launched in **January 2026**.

C-295 Aircraft

- **India's first indigenous and privately manufactured C-295 aircraft** will soon roll out of the Vadodara manufacturing facility.
- **It is being built by Tata Advanced Systems Limited (TASL)** in partnership with Airbus Defence and Space.
- The Airbus C-295 is a **medium-range, twin-engine turboprop military transport aircraft**.
- It can carry up to 10 tonnes of cargo at a cruising speed of 480 km/h.
- This marks a shift from public-sector dominance to private-sector participation in defence manufacturing, advancing the Make in India defence initiative.
- **Vadodara facility, opened in 2024, is India's first private sector final assembly line (FAL) for military aircraft.**

Pechora Missile System

- **Context:** Bengaluru-based **Alpha Design Technologies Ltd (ADTL)** has successfully completed a major indigenous upgrade of the Indian Air Force's Pechora SAM system.
- The upgrade aligns with the Centre's push for modernisation of legacy defence systems under indigenous capability initiatives.
- Officially known as **S-125 Neva/Pechora, Soviet-origin, medium-range Surface-to-Air Missile (SAM)** system
- The system consists of a radar-guided missile launcher and a fire control unit, it uses the 4R90 Yatagan radar, equipped with five parabolic antennas, to detect, track, and lock onto targets.
- The system's radar can detect targets up to 100 km away, providing early warning and engagement capability.

SPORTS & GAMES

Vijay Hazare Trophy

- Vidarbha achieved a landmark milestone in Indian domestic cricket by winning their maiden Vijay Hazare Trophy.
- The team defeated Saurashtra in the final at Bengaluru.

Khelo India Winter Games 2026

- **Context:** The 6th Khelo India Winter Games 2026 commenced in Leh, Ladakh. Snow sports events are being held in Leh, and skiing events in Gulmarg.
- **Figure skating has been introduced for the first time.**
- In women's ice hockey, the ITBP team defeated the Ladakh team 2-1 to win the gold medal.

- In men's 1,000 meters long track skating, Avik Shith Vijay Viswanathan of Tamil Nadu won silver, and M. Selvakumar won bronze.
- In women's 1,000 meters long track skating, Tamil Nadu won the silver medal.

Khelo India Winter Games

- It is conducted by the **Ministry of Youth Affairs and Sports and the Sports Authority of India.**
- The Khelo India scheme was launched in 2016-17 and encompasses three schemes: RGKA, USIS, and NSTSS.

National Kabaddi Championship

- Haryana bagged the gold medal at the 72nd women's senior National kabaddi championship, beating defending champion Indian Railways.
- Himachal Pradesh and Tamil Nadu, the two

MISCELLANEOUS

World's Oldest Known Rock Art

- **Context:** Archaeologists discovered the world's oldest known rock art in Liang Metanduno cave on Muna Island, Indonesia.
- The artwork is a hand stencil in which the

fingers were deliberately narrowed to resemble a claw-like or animal feature.

- **Uranium-series** dating indicates the calcium carbonate layer covering the artwork is at least 67,800 years old.
- This finding surpasses the previous 51,200-year-old record for a wild pig painting discovered in Leang Karampuang cave in South Sulawesi, Indonesia.

CURRENT FACTS

- Bagurumba is a major traditional folk dance of the Bodo tribal community in Assam and Northeast India.
- H5N1 is a type of influenza virus that causes a highly contagious and severe respiratory illness (avian influenza/bird flu) in birds.
- Gopalkrishna Gandhi, former Governor of West Bengal, grandson of Mahatma Gandhi and author of *The Undying Light: A Personal History of Independent India*.
- Nipah virus (NiV) is a paramyxovirus that spreads from animals (bats, pigs) to humans through direct contact or contaminated food.
- Part VI - Article 176 - Special address by the governor. Article 176 of the Constitution mandates a special address by the Governor to State legislatures at the commencement of the first session after a general election and at the start of the first session each year.
- VVPAT: In electronic voting machines, votes are cast by pressing the button next to the candidate's name. In the 2014 general election, the Election Commission introduced a system that allows a voter to verify whether their vote has been recorded correctly.
- Tamil Nadu's economy has achieved a robust growth of 11.19% during the last financial year. For the first time, Tamil Nadu stands as the leading state in the country in terms of economic growth.
- Tamil Nadu stands out as the state with the highest percentage (40.3%) of female employees working in factories in India.
- Anbu Cholai homes- to ensure a safe and supportive day care environment for the elderly.
- Tamil Nadu's share in overall electronics exports of the country has risen to record levels of 41.2%.
- The Jal Jeevan Mission was being implemented with the contributions of both the Union and State governments to supply 55 litres of safe drinking water per person per day.
- Prevention of Money Laundering Act (PMLA), 2002
- PART VI- Article 226- Power of High Courts to issue certain writs.
- Article 15(5) of the Constitution, which empowers the state to provide reservation for the Scheduled Castes (SCs), Scheduled Tribes (STs), and Other Backward Classes (OBCs) in private educational institutions.
- IUCN Status of Bluethroat (*Luscinia Svecica*) - Least Concern.
- Seconadary galucoma is a sight threatening condition that causes irreversible blindness.
- Singapore has emerged as the world's most responsible nation, while India secured the 16th position in the newly released Responsible Nations' Index (RNI).
- Tamil Nadu Postal Circle of the Department of Posts inaugurated a Next Generation (N-Gen) Post Office at the Indian Institute of Technology of Madras.
- Bombay blood group: This blood type was first discovered in Mumbai in 1952, making it the first such discovery in the world.
- Part V, Article 86 - Right of President to address and send messages to the House or Houses

- Part V, Article 87 - Special address by the President
- Part III, Article 14- Equality before law
- Part VI, Article 175- Right of Governor to address and send messages to the House or Houses
- Part VI, Article 176- Special address by the Governor
- Simran Bala the first woman paramilitary officer to lead an all male CRPF contingent at the Republic Day parade at the Kartavya Path in New Delhi on January 2026.
- India prepares to open the world's largest museum Yuge Yugeen Bharat Museum in New Delhi.
- Chikungunya is a viral disease transmitted by mosquitoes. This disease, transmitted by Aedes mosquitoes, causes symptoms such as fever, joint pain, severe muscle pain, and fatigue. It is diagnosed through ELISA tests.
- India has set itself the target of achieving zero indigenous cases of malaria by 2027.
- Viralimalai Bird Sanctuary, which is well known for its large population of peafowls, India's national bird.
- Abithana Chintamani is a Tamil language encyclopaedia compiled by A. Singaravelu Mudaliar, It is considered one of the earliest comprehensive encyclopaedias in Tamil.
- Pasteur Institute of India, Coonoor, is a leading centre for the production of anti-rabies vaccine and the DPT group of vaccines. It is now an autonomous body under the Union Ministry of Health.
- The Tamil Virtual Academy, originally known as the Tamil Virtual University, was established by the Tamil Nadu government in 2001.
- Serfoji II, the Maratha ruler of Thanjavur, established the Dhanvantari Mahal as a research centre for preparation of herbal medicines.
- V.O. Chidambaram Pillai, fondly known as VOC and Sekkizhutha Chemmal ('the great man who pulled the oil press'). The title Sekkizhutha Chemmal, words fail to express the physical pain he endured during that period," Kurusamy Mayilvaganan writes in Kelatha Kathai (The Unheard Story). The title Kelatha Kathai is derived from a word in the poem Velalan Siraipugunthan by poet Subramania Bharathiar.
- Part XV, Article 326- Elections to the House of the People and to the legislative assemblies of states to be on the basis of adult suffrage.
- For the first time, Agniveer women are participating in the Republic Day parade alongside the Indian Air Force band.
- The Padma Shri award was first presented in 1954; that year, it was received by Sarvepalli Radhakrishnan, Chakravarti Rajagopalachari, C.V. Raman, and Satyendra Nath Bose.
- Kaladi is a traditional GI-tagged dairy product from Udhampur in Jammu & Kashmir.
- Article 19(1)(a) of the Indian Constitution: The fundamental right to freedom of speech and expression.
- Article 14 of the Indian Constitution: Equality before law.
- National education day - November 11
- The Tamil Nadu PSTM Act, 2010 reserves 20% of government job vacancies for candidates educated in Tamil medium.

- Calcium phosphate, a mineral salt of calcium and phosphorus found in bones, teeth, and milk, is essential for bone growth and dental health.
- State's Health and Family Welfare Department had won the U.N. Interagency Task Force Awards (UNIATF) for 2024 in the category of Ministries of Health for its flagship scheme, Makkalai Thedi Maruthuvam.
- Tamil Nadu has emerged as the Best Performer State for start-ups. It is topping the Export Preparedness Index with 80.89 points and is also a leading State in electronics goods manufacturing, accounting for 41.23%.
- The State had secured second place in the country in the production of oilseeds, groundnut, sugarcane, and maize.
- Tamil Nadu is the State that has recorded the highest number of tourist arrivals, and it has also received geographical indication tags for 60 products.
- The Gyan Bharatam Mission is a comprehensive national initiative under the Ministry of Culture, Government of India, dedicated to the systematic survey, documentation, conservation, and digitisation of India's vast manuscript heritage.
- India is the world's second-largest cement producer after China, contributing about 13% of global output.
- 1,000th year of Rajendra Chola was celebrated as a grand festival at Gangaikonda Cholapuram. The Union Ministry of Culture actively assisted in the celebrations.
- According to a new RBI report, Kerala and Tamil Nadu will be "ageing States" by 2036 because their elderly populations will exceed 22% and 20%, respectively.
- The 'Vande Mataram' song has been recognized as the national song since January 24, 1950.
- Suryastra is India's first indigenously developed, multi-caliber rocket launcher.
- This will be the first time that Census data is captured digitally, on smartphones and mobile apps and the first time when citizens will be able to self-enumerate through a yet-to-be announced portal.
- Thirumangai Azhvar has sung verses in praise of Lord Pundareekaksha, the presiding deity of Thiruvellarai. In these verses, he describes the various avatars of Lord Narayana.
- Chari dance is a traditional folk dance of Rajasthan. It is mainly performed by women from the Kishangarh and Ajmer regions, particularly by women of the Gujjar community.
- Registrar-General and Census Commissioner of India (RG&CCI) Mritunjay Kumar Narayan.
- Kerala became India's first state to officially designate a State Microbe, *Bacillus subtilis*, to promote microbiome awareness.
- India has set a target of attracting \$100 billion (approximately ₹9 lakh crore) in investment in the oil and gas sector by 2030.
- India holds the top position globally in rice production.

- ICAR–National Research Centre for Banana (NRCB) is a premier research institution established on August 21, 1993. It is located in Thayanur, in the Tiruchirappalli district of Tamil Nadu.
- India is the country with the world's 3rd largest metro network.
- India is the world's 2nd largest mobile phone manufacturer.
- The Indian Army's Remount and Veterinary Corps (RVC) showcased a dedicated animal contingent for the first time at the Republic Day Parade.
- Part V, Article 108 - Joint sitting of both Houses in certain cases
- Air (Prevention and Control of Pollution) Act 1981
- Water (Prevention and Control of Pollution) Act 1974
- Tamil Nadu is a leading state in sectors such as automobiles, IT, footwear manufacturing, and electronics.
- India, which was ranked 66th in the Global Innovation Index in 2019, has advanced to 38th place in 2025.
- Manchester of South India - Coimbatore
- India ranks 3rd in the world in solar energy and renewable energy.
- State's health helpline 104, Tele-MANAS 14416.
- A black box is a small device that records information about an aircraft during its flight. It helps in the investigation of aviation accidents.
- Ancient Monuments and Archaeological Sites and Remains Act of 1958.
- Tamil Nadu Ancient Monuments and Archaeological Sites and Remains Act of 1966.
- The Tamil Nadu Heritage Commission Act of 2012 was passed by the State legislature to preserve heritage structures in the State.
- Article 356: It allows the President to take over the functions of the state government when the constitutional machinery fails.
- Part III, Article 15- Prohibition of discrimination on grounds of religion, race, caste, sex or place of birth.
- R.K. Shanmugam was the first Finance Minister of independent India.
- Morarji Desai holds the record for presenting the most central budgets, having presented 10; he is followed by P. Chidambaram, who presented 9 budgets.
- In the 2017-18 financial year, Arun Jaitley declared February 1st as the permanent date for presenting the budget.
- Finance Minister Nirmala Sitharaman is set to create a new record by presenting the budget for the ninth consecutive time.