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- GOVERNMENT SCHEMES
- ECONOMY & REPORTS
- SCIENCE & TECHNOLOGY

July 2026



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FOR WEEKLY ARTICLE, FOLLOW

நிகழ்த் துளி
நிகழ்வுகளை நுண்ணறிவுடன் படிப்போம்

CURRENT EVENTS OF TAMIL NADU

1. Malayadipatti Exacavation:

- In Tenkasi Dist
- On the banks Vaippar river
- Discovery:
    - A square-shaped brick-built well **with stone steps** was discovered for the first time
    - The bricks are 40 cm. long, 20 cm. wide, and 7 cm. thick,
    - Since they are of the same size as the bricks found in Keezhadi, Alagankalam, and Poompukar, the archaeological department says that they may belong to the 2,500-year-old Sangam civilization.
    - habitation area and burial area of the ancient people were in the same place.
    - The excavations have found ancient pots containing human bones, black and red pottery, scratch marks, bronze objects, clay objects, Neolithic tools, glass beads, iron scraps, high-quality bronze plate fragments, and clay toys.
    - Mudhumakkal Thazhi
- People lived from Neolithic to Iron Age period
- Has been an Urban Civilization

2.Mismanagement of Solid Waste and Methane Issue:

INSIGHTS - **Chennai's Waste -**

1. Daily solid waste generation: **6,500 tonnes**
2. Organic waste: **Approximately 60%**
3. Major landfills: **Kodungaiyur, Perungudi**
4. Landfill area: **Approximately 450 acres**
5. Key issues:
    a. Methane emissions from organic waste,
    b. fires involving toxic gases,
    c. foul odor,
    d. smoke emissions,
    e. air pollution

- “Waste Management is not only health related issue it is also climate related issue.”
- "Garbage is not merely a sanitation or hygiene issue."
- **Why is methane significant?**
    - It is **one of the greenhouse gases** responsible for global warming.
    - It has a **high capacity to trap heat** (GWP) in the atmosphere.
    - It is **produced during the decomposition** of organic waste.
    - It **remains in the atmosphere for** approximately **12 years**.
    - Reducing methane emissions is considered one of the most cost-effective measures to control climate change.
- **Ways to Control Methane:**
    - Composting of organic waste at home.
    - Avoid throwing food waste in plastic bags.

- Distribution of waste into 4 categories.
- Setting up community composting centers in residential areas.
- Setting up of biomethanation plants in markets, marriage halls, hotels, etc.
- Methane collection program from the landfills.
- Complete ban on open burning of garbage.
- Effluent monitoring system at municipal level.
- Awareness campaign in school and college about Solid Waste Management.
- Implementation of 'Zero Waste Ward' scheme in every ward

3.AMMA UNAVAGAM:

- Started by Former **CM Selvi.J.Jayalalitha**
- Started on **19th March 2013**
- Started at **Santhome, Chennai**
- Run by **Women from SHG**
- **Other states rolled out this model:**

1. **Andhra Pradesh** - Anna Canteen
2. **Rajasthan -** Annapurna Rasoi
3. **Karnataka** – Namma Canteen (Formerly Indira Canteen)
4. **West Bengal** - Maa Canteen
5. **Odisha** – Ahaar Scheme
6. **Madhya Pradesh** - Deendayal Canteen
7. **Delhi** - Aam Aadmi canteen

4.e-Zero FIR Initiative by Government of Tamil Nadu

- Implemented by Govt of Tamil Nadu
- To facilitate the prompt registration and investigation of cyber financial fraud cases
- reported through the **National Cybercrime Helpline 1930.**
- Complaint through 1930 will be registered if the fraud value is more than 1 Lakh
- Registered in **CCTNS**
- automatic registration of cases
- registered as **e-Zero FIRs.**
- Victims will receive an SMS confirming the registration of the e-Zero FIR
- directing them to visit the concerned police station within three days to authenticate their complaint, as **mandated** under **Bharatiya Nagarik Suraksha Sanhita (BNSS), 2023**
- **Features:**
    - system eliminates duplicate data entry,
    - facilitates faster registration and jurisdictional transfer of cases
    - enables quicker freezing of fraudulent transactions,
    - preservation of digital evidence and
    - recovery of funds during the critical golden hour

INSIGHTS: What is Zero FIR?

1. Registration of complaint in any police station regardless of where the crime happened is called “Zero FIR”.
2. FIR is initially numbered as Zero –

3. meaning it doesn't belong to any specific jurisdiction yet
4. Once it is registered, it can later be transferred to the appropriate police station that has the territorial jurisdiction to investigate the case
5. introduced on the recommendation of the **Justice Verma Committee** following the 2012 Nirbhaya case in New Delhi.
6. Zero FIR is registered for **Cognisable Offences**

5.ISO Certificate for TN Panchayat Union School

- **First government primary school in Tamil Nadu** to achieve the prestigious **ISO 9001:2015 certification**
- Place: Kondappanayakkanpatti, Salem
- School: Panchayat Union Primary School

6. STEAM – Education System

- Tamil is moving ahead to STEAM from STEM
- STEM – Science, Technology, Engineering and Maths
- STEAM – Science, Technology, Engineering, Arts and Maths

7.NEER EZHIL PALLI SCHEME (நீர் எழில் பள்ளி திட்டம்)

- **Launched on**: 22nd July 2026
- **Launched in**: Government Girls' Higher Secondary School, Egmore, Chennai
- **Assistance**: private financial assistance
- **Aim**: To **recycle and reuse wastewater** in government schools by creating gardens using treated wastewater and implementing measures to **recharge groundwater**
- Uses:
    - Greener school campuses will be created,
    - groundwater recharge,
    - biodiversity conservation,
    - urban heat reduction, and
    - climate resilience
- Under this scheme, **around 25,000 litres of wastewater** generated daily in schools will be **safely treated and reused**
- **Implementation**: **Phase 1** - implemented in **five Government Girls' Higher Secondary Schools** located in **Egmore, Ashok Nagar, Porur, Ambattur, and Villivakkam** in Chennai

8.Revenue Augmentation Committee

- **Chairman – Mantek Singh Ahluwalia**
- Members –
    1. Chair professor of Economics at National Council of Applied Economic Research (NCAER) **KP Krishnan,**
    2. tax policy expert **Arbind Modi,**
    3. former chairman of Central Board of Excise and Customs (CBEC) **Najib Shah,**
    4. additional chief secretary to state finance department **MA Siddique** and
    5. Madras Institute of Development Studies director **M. Suresh Babu.**

- **Terms of reference:**
    1. advising the government on measures
        - **to augment the state's own tax and non-tax revenues** and
        - **on policy and administrative measures to improve revenue buoyancy**, efficiency, and self-reliance.
    2. It should also **identify new and under-tapped sources of revenue** and **examine non-tax avenues**, including public sector undertaking (PSU) dividends, land and asset monetisation, and improved user charges.
    3. Suggestions for **measures for revenue security and plugging of systemic leakages, evasion,** and administrative inefficiencies in the revenue-collecting departments.
    4. It also wants recommendations **to enhance revenue from alcohol**.
- Committee was formed by the Department of Finance, Tamil Nadu

About Mantek Singh Ahluwalia: (Born in Rawalpindi, Punjab Province, British India (modern-day Punjab, Pakistan))

- An Indian **economist** and **civil servant**
- Served as **Economic Advisor** (1979 to 2001) in Ministry of Finance
- Member of the **Economic Advisory Council** to the Prime Minister
- He was Member of the **Planning Commission** – 1998
- **First Director** - Independent Evaluation Office of the **International Monetary Fund**
- **Deputy chairman** of the Planning Commission – Prepared 11th and 12th Five Year Plan (July 2004 till May 2014)
- **Books –**
    1. Backstage: The Story Behind India's High Growth Years;
    2. Re-distribution with Growth: An Approach to Policy

9.R. Vairamuthu conferred with 60th Jnanpith award

- 3rd Tamil Writer to win this award
- 1st Tamil Poet to win this award
- Also received - **Sahitya Akademi Award (2003)** for his **novel Kallikattu Ithikasam**
- About Jnanpith Award:
    - The Jnanpith Award, instituted in **1961** by the Bharatiya Jnanpith, is India's **highest literary honour** recognising exceptional lifetime contributions by authors
    - Often regarded as the **"Nobel Prize of Indian literature,"**
- **Other Awardee from Tamil:**
    - **Akilan @Akilandam (1975)** - ***Chitra Pavai***
    - **Jayakanthan (2002)**

10.Kavignar Puviyarasu

- An Indian Tamil poet and translator from Tamil Nadu.
- His birth name was S. Jagannathan. Puviyarasu is the Tamil translation of the Sanskritic "Jagannathan"
- He was one of the founders of the short-lived **Vanambadi literary movement (**வசந்தத்தில் இடிமுழக்கம் என்று வர்ணிக்கப்பட்ட வானம்பாடி கவிதை இயக்கத்தை உருவாக்கிய

முன்னோடி புவியரசு. அதிலிருந்துதான் கவிஞர் சிற்பி பாலசுப்ரமணியம், தமிழன்பன், மு.மேத்தா ஆகியோர் உருவாகினர்.)

Award	Category	Book	Year
Sahitya Akademi Translation Prize	Translation	**Puratchikaaran** – translation of Kazi Nazrul Islam's The Revolutionary	2007
Kalaignar Porkizhi Award	for his literary contributions		2008
Sahitya Akademi Award	for Tamil	For poetry collection **Kaioppam**	2009
Best Book – TN Tamil Development Department	புதுக்கவிதை	முக்கூடல்	2004
Sahitya Puraskar Award from Kerala Cultural Centre			

- Founder of *Vaanampadi Magazine, Kaattru (காற்று)* for Drama
- His poetry collections include – Kaioppam, Ettu thisai kaatru, Kavithaikenna Kelvi, Meendum Zen kavithaikal, Idu dhan, Vaasippu
- Drama Books – Manidhan, Moondram pirai

11.STAR 3.0

- **Introduced by**: Dept of Registration
- **Key Features:**
    - Online document registration without visiting Sub-Registrar Offices
    - Aadhaar-based digital verification
    - Paperless and contactless registration process
    - Do It Your-self deed creation for select documents
    - Faster registrations, reduced delays and higher transparency

12.Repeat Tripping Elimination Programme (RTEP)

1. To identify, analyse and eliminate the causes of recurring power tripping and supply interruptions across the state
2. It is aimed at reducing frequent power cuts, improving the reliability of the power distribution network and ensuring uninterrupted electricity supply to consumers

12.State Vigilance and Monitoring Committee for Scheduled Castes (SCs) and Scheduled Tribes (STs)

1. Reconstituted
2. Composition = Chairman + 59 Members (All MP + MLA of SC/ST of TN)
3. Chairman – CM – C Joseph Vijay
4. Members:
    a. Ministers in charge of

i. Home,
ii. Finance and
iii. Social Justice,

b. Chief Secretary,
c. Home Secretary,
d. DGP/HoPF and
e. two representatives from National Commission for SCs and STs
f. All MP + MLA of SC/ST

5. Secretary, Social Justice will serve as its coordinator.
6. The committee is mandated to meet twice a year to review the implementation of the Scheduled Castes and the Scheduled Tribes (Prevention of Atrocities) Act, among others.

13.Sahitya Akademi Award winner Poomani passes away

- **Original Name:** P Manickavasagam
- **Pen Name**: Poomani
- documented the lives of the people of the **karisal bhoomi** (region with predominantly arid black-soil)
- Sahitya Akademi award in 2014 for **Agnaadi** (Sivakasi (1899) and Kazhugumalai (1895) communal riots)
- Poomani penned the screenplay and directed the film **Karuvelam Pookkal** in 1996.
- He directed Karuvelam Pookal for the National Film Development Corporation (NFDC), portraying the lives of children and women employed in match factories
- His novel **Vekkai** was adapted as the feature film **Asuran** in 2019.
- His television serial **Penakkal** focused on workers in the pen-nib manufacturing industry,"
- novels **Piragu, Vekkai, Neivedhyam, Kommai, Vaikkaal** and **Agnaadi,** besides acclaimed short-story collections such as **Kizhisal**

14.Fact – Tamil Nadu

1. 7th World Thirukkural Conference was held at the St. Joseph's University in Bengaluru
2. **India's 1st Artificial Intelligence (AI)-integrated vertical university** campus inaugurated in Chennai (VELS Institute of Science, Technology, & Advanced Studies (VISTAS)'s Thiruvanmiyur campus)

CURRENT EVENTS OF STATES

1.Punjab Becomes First State to Introduce Artificial Intelligence as Mainstream Subject

- Punjab has launched **Sarbat.AI**
- India's first statewide initiative to make **Artificial Intelligence (AI)** a mainstream school subject
- **Classes:** I to XII

- It integrates AI into the school curriculum
- **Aim** - To equip students with future-ready digital and technological skills.
    - To build an **AI-literate**, **innovation-driven**, and **ethically responsible student community**

2.DWEEPTI Yojana

- **Launched by**: Chhattisgarh
- **Expansion:** DWEEPTI - Decentralised Women Empowerment on Energy and Policy for Transformative Inclusion
- **Collaboration:** with **Transform Rural India (TRI)** under the Green Economy Transition Mission.
- first Indian state to adopt a women-led distributed renewable energy policy.
- integrates women-led Self-Help Groups (SHGs) into the distributed solar energy ecosystem by enabling them to install, manage, and promote rooftop solar systems.
- Aim - To promote **women-led clean energy entrepreneurship**

3.Girish Bharadwaj – Bridge Man of India

- An Indian social worker often referred to as Sethu Bandhu and Bridgeman of India for building around 127 bridges in remote villages across India.
- Award: Padma Shri (2017)
- First bridge: 1989 across Payaswini river at Arambur (Karnataka)

4.Facts of States:

1. Rajasthan became the first state in India to execute an exploration licence for rare earth elements
2. India's first dedicated Telecom Manufacturing Zone (TMZ) will be established in Gwalior, Madhya Pradesh
3. Kerala launched the Digital Square education initiative designed to strengthen technology-based learning in primary schools
4. Delhi Government Approves **'Delhi Lakshmi Yojana' for Rs.2,500** Monthly Assistance to Women
5. Himachal Pradesh (HP), launched the '**Mukhyamantri Machhuara Samman Nidhi Yojana** ', a welfare-oriented scheme designed to provide financial assistance and social security to fishermen engaged in reservoir fisheries during the annual fishing ban period
6. Home Ministry inaugurates 'Shabdalok (The Museum of Word)', India's First Immersive Language Museum in Kolkata, West Bengal
7. Andhra Pradesh (AP), launched the '**Pillale Sampada(Children are Wealth)**' initiative during the World Population Day(July 11)

CURRENT EVENTS IN ECONOMICS

1.COOPERATIVES IN INDIA

- **Tribhuvan Sahkari University (TSU)** - India's first cooperative university.
- **Bharat Taxi**: India's First Cooperative-based Mobility Platform - an initiative of **Sahakar Taxi Cooperative Limited**
- **Bharat Beej –** Brand Name - **Bharatiya Beej Sahakari Samiti Limited (BBSSL):** BBSSL undertakes the production, procurement, and distribution of **quality seeds**
- **National Cooperative Organics Limited (NCOL):** NCOL acts as an umbrella organization for aggregation, procurement, certification, testing, branding, and marketing of **organic products**
- **National Cooperative Exports Limited (NCEL):** NCEL serves as an umbrella organization for exporting **surplus goods/services** produced by various cooperative societies across the country
- **Ministry of Cooperation** established in July 6, 2021
- **2025** - International Year of Cooperatives (IYC)

2.WHITE REVOLUTION 2.0

- launched on September 19, 2024
- jointly by the **Ministry of Cooperation** and the **Ministry of Fisheries, Animal Husbandry and Dairying**
- The initiative **focuses on**
    1. expanding cooperative coverage,
    2. enhancing market access,
    3. generating employment, and
    4. promoting women's empowerment
- **Objective**: Increasing milk procurement of dairy cooperatives by 50% over the next five years (2028-2029)

3.INDIA-AUSTRALIA CIVIL NUCLEAR COOPERATION

- Finalized in **Third India–Australia Annual Summit**, held in **Melbourne on 9 July 2026**
- Australia possesses the **largest uranium resources globally**, accounting for **more than one-third of the global total**
- **Importance:**
    1. The Arrangement is also significant for India's long-term energy security and nuclear ambitions.
    2. t complements the **Nuclear Energy Mission**, which targets **100 GW of nuclear power capacity by 2047**.
    3. It also reinforces the **Sustainable Harnessing and Advancement of Nuclear Energy for Transforming India (SHANTI) Act**, enacted in **December 2025**. The Act enables participation by **Indian private companies and joint ventures** in building, owning and operating nuclear power plants.
    4. Assured long-term uranium supplies provide greater confidence to developers, investors and industry, supporting timely project implementation

Prototype Fast Breeder Reactor (PFBR):

1. Located in Kalpakkam
2. attained **first criticality on 6 April 2026**
3. marking the start of India's **second stage of its three-stage nuclear power programme**.
4. PFBR uses plutonium recovered from spent fuel of Pressurised Heavy Water Reactors (PHWRs) and is designed to **produce more nuclear fuel than it consumes**.
5. It will eventually breed **Uranium-233 from thorium**
6. unlocking India's vast thorium reserves for future-ready clean energy generation.
7. Developed indigenously by the Department of Atomic Energy
8. The reactor is a major milestone
9. It strengthens India's reliable fuel supply, reducing dependence on imported uranium, and advancing the country's net-zero ambition by 2070

- **Uses:**
    1. Energy Security
    2. Clean Energy
    3. Nationally Determined Contributions (NDCs) and net-zero
    4. India as a responsible nuclear power
- The Government aims to operationalise at **least five indigenous SMRs by 2033.**

4.Greece becomes the latest country to join UPI:

1. UAE,
2. Singapore,
3. Bhutan,
4. Nepal,
5. Sri Lanka,
6. France,
7. Mauritius
8. Qatar
9. Greece

5.Geographical Indication (GI)

- **Jodhpuri Mojari** has been granted a **Geographical Indication (GI) tag**
- A traditional handcrafted leather footwear from Jodhpur, Rajasthan.
- Crafted primarily by the **Jinagar (Jingar) community**

- **Unjha Cumin** and **Fennel** - **Gujarat's** two agricultural products received GI Tag

- **Haryana's Sirsa Kinnow**, becoming the state's 1st fruit to receive GI Tag.

- Himachal Pradesh Secures 8 New GI Tags; Total GI Products Raised to 17

6. Uttarakhand has become 6th Fully literate state

- ✓ ULLAS - Nav Bharat Saaksharta Karyakram
- ✓ Also known as the New India Literacy Programme (NILP)
- ✓ **Aligned with:** National Education Policy (NEP) 2020

- ✓ **Scheme Type:** centrally sponsored initiative
- ✓ **Objective:**
  - To cover non-literates of the age group of 15 years and above in all States/UTs
  - The target for Foundational Literacy and Numeracy for FYs 2022-27 is 5 (five) crore learners, with 1 crore learners per year
- ✓ **Duration:** FYs 2022-2027

SINO	State	% Literacy	Date of FFL
1.	Ladakh (First fully literate Union Territory)	97%	June 24, 2024
2.	Mizoram (First fully literate State)	98.2%	May 20, 2025
3.	Goa	99.7%	May 30, 2025
4.	Tripura	95.6%	June 23, 2025
5.	Himachal Pradesh	99.30%	September 8,2025
6.	Chandigarh	99.93 %	December 31, 2025
7.	Andaman Nicobar Island	99%	January 26,2026
8.	Sikkim	99.82%	May 27, 2026
9.	Uttarakhand (6^{TH} State)	98%	8th July 2026

7.RBI's ₹10 and ₹20 Polymer Notes

- **Initiative by**: Reserve Bank of India (RBI) and its subsidiary, Bharatiya Reserve Bank Note Mudran Private Limited (BRBNMPL)
- **Printed by**: Bharatiya Reserve Bank Note Mudran Private Limited (BRBNMPL)
- **Aim –** To introduce opacified polymer-substrate currency into public circulation alongside existing cotton-paper notes
- **Target Denomination:** 10 and 20 Rupees
- **Volume:** Each 1 billion
- **Features:**
  - printed on a non-porous, dirt- and moisture-resistant synthetic plastic film.
  - Longevity - **2 to 6 times longer** than conventional cotton-based paper
- Australia pioneered polymer banknotes in 1988

8.Fact – Economics

1. Government Notifies **Navi Mumbai Airport as a Port for Import** of Drugs
2. BRICS nations adopt **Guwahati Declaration** to combat drug trafficking
3. India has become the **World's 2nd largest mobile manufacturer**
4. **DBS Bank Limited** was awarded the **World's Best Corporate Bank** at the 2026 Global Bank Awards by 'Global Finance magazine'
5. India ranks **1st** globally in cotton cultivation area; ranks **2nd** in both cotton production and consumption.
6. (NABARD) launched 'Gramodyam', an Entrepreneurship Development Programme (EDP)
7. Ministry of Tribal Affairs (MoTA) launched **"TribeX"** a first-of-its-kind digital learning platform dedicated to tribal arts, culture, traditional knowledge and skill development

CURRENT EVENTS IN SCIENCE AND TECHNOLOGY

1.Vikram-1 - Rocket

- India's first privately developed orbital rocket
- **Developed:** by **Skyroot Aerospace**
- **Stages:** a **4-stage rocket** with **3 solid** stages and **a liquid** stage (RAMAN - 1)
- **Launched on:** July 18, 2026
- **Capability:** of placing **350 kg** into **Low Earth Orbit (LEO)**
- **Built using: all-carbon composite structure**, reliable solid-fuel boosters and a 3D-printed liquid engine
- **Mission Name:** Mission Aagaman (meaning Arrival)
- **Mission Aim:** deploy **multiple customer payloads** into **LEO at an altitude of 450 kilometres**
    1. **Skyroot's SCOPE satellite**,
    2. **DCUBED's technology demonstration payload**,
    3. **Grahaa Space's SOLARAS S3 satellite**, and
    4. **Cosmoserve Space's Embrace**
- also carry **two symbolic payloads**—
    1. **"Cosmic Bloom"**, a floral-shaped artwork, and
    2. an **18-karat gold micro-rocket**
- The micro-rocket features microscopic sculptures of **C. V. Raman, Vikram Sarabhai and A. P. J. Abdul Kalam**, each smaller than a grain of rice
- This made **India the third country** in world after USA and China to have rocket launch by private company

Previous Mission by **Skyroot Aerospace**

1. **Vikram-S** - launched under **Mission Prarambh (the beginning)** in November 2022
2. **India's first privately developed rocket**
3. This is country's first private launch authorised by **IN-SPACe**.
4. **Cryogenic rocket engines:**
    - **Dhawan-I –** named after Satish Dhawan
    - India's first privately developed small cryogenic engine running on liquefied natural gas (LNG) and liquid oxygen (LOX)
    - Dhawan – II and Dhawan – III
5. **Raman-I** (named after C. V. Raman) is a liquid-fuel upper stage engine of Vikram-1
6. **Kalam-250** is the second-stage solid rocket motor of *Vikram-1*.

2.Anti-Submarine Warfare Craft 'Malvan'

- a specialized, new-generation Anti-Submarine Warfare Shallow Water Craft
- detecting, tracking, and neutralizing hostile submarines, underwater drones, and sub-surface intruders operating close to the coastline, ports, and critical island territories
- entirely constructed and integrated by **Cochin Shipyard Limited (CSL)**

3.CYCLOSPORIASIS

- a type of food poisoning caused by *Cyclospora cayetanensis*, a microscopic, single-celled parasite
- Spreads through the fecal-oral route by consuming food or water contaminated with infected fecal matter
- It is health emergency in USA

4.India's First Hydrogen Fuel Cell Train

- a train that generates its own electricity onboard using hydrogen, the cleanest fuel known.
- produces near-zero emissions
- **how does it work:** Hydrogen + Oxygen → Electricity + Water Vapour → The Train Moves
- Indian Railways has established **India's largest railway hydrogen refuelling facility** for this purpose at **Jind in Haryana – 3000kg Storage facility**
- India's first Hydrogen Fuel Cell Powered Trainset has been developed under the leadership of Indian Railways, with Research Designs and Standards Organisation (RDSO)
- **Features:**
    1. 10-car hydrogen fuel cell-based trainset.
    2. Powered by a 1200 kW hydrogen fuel cell propulsion system.
    3. Approved to operate at a maximum speed of 75 kmph with a design speed of 110 kmph.
    4. Capacity of Around 2,600 Passengers.
    5. Runs between **Jind- Sonipat Section**
- **Benefits:**
    1. Enables **zero-emission rail transport – Green Transport**
    2. Supports India's **Net Zero 2070** and **rail decarbonization by 2030**
    3. Boosts the **National Green Hydrogen Mission** of 2023
    4. Reduces **fossil fuel imports**

Regarding Hydrogen:

- Hydrogen is colourless, so you cannot see it,
- Hydrogen is odourless, so you cannot smell it.
- It is also tasteless.
- It is non toxic

"Hydrogen for Heritage" Project:

- **2023 Indian Railways initiative** to deploy 35 hydrogen trains on ecologically sensitive and scenic routes

5.First dengue vaccine in India - QDENGA

- **Vaccine Name: QDENGA**
- **Approved by:** Drug Controller General of India (DCGI)
- **Vaccine Type:** Dengue Tetravalent Vaccine (Live, Attenuated)
- **Technology:** developed using recombinant DNA technology
- **Developed by:** Takeda GmbH, Germany
- **Imported by:** Takeda Biopharmaceuticals India Pvt. Ltd.

- First dengue vaccine approved by India for the prevention of dengue disease.
- **Features:**
    - The product contains genetically modified organisms (GMOs)
    - designed to protect against all four dengue virus serotypes (DENV-1, DENV-2, DENV-3 and DENV-4)
    - **Administered to:** 4 to 60 years of age
    - **Being administered under:** National Vector Borne Disease Control Programme
    - The vaccine received World Health Organization (WHO) prequalification
- Dengue is a mosquito-borne viral disease that poses a significant global public health threat, with prevalence in over 125 countries.
- India accounts for nearly one-third of the global dengue burden.

6.Kusha Missile System:

- **Missile Type**: Long-Range Surface-to-Air Missile (LR-SAM)
- **Developed by**: DRDO
- **Under:** Project Kusha
- **Use | Aim:** Designed **to neutralise a raft of aerial threats**, including fighter jets, missiles, unmanned aerial vehicles (UAVs) and large enemy aircraft, across a wide range and altitude envelope
- **MISSION SUDARSHAN CHAKRA**
    - **inspired by Krishna's divine weapon**
    - **Announcement made**: On 15 August 2025
    - **Aim:** Enhancing India's Air Defence (AD), Ballistic Missile Defence (BMD) and aerial offensive capabilities, the Mission aims to fuse the cyber, cognitive and aerospace domains into a cohesive "kavach" capable of countering futuristic, complex, massed and mixed aerial threats through a unified strategy
    - **Year of completion:** 2035
    - **Objectives:**
        - **To strengthen India's deterrent** and **offensive capabilities** by expanding, strengthening and modernising national security shield.
        - It will be part of **Multi-Layered Missile Defence System of India**.

Country	Defence System Name
Israel	Iron Dome
USA	Golden Dome (THAAD, Patriot)

    - Mission Sudharshan Chakra is tied to Project Kusha
- **PROJECT KUSHA:**
    - **Aim:** To design a mobile long-range surface-to-air missile system.
    - **Developed by**: DRDO
    - **Being developed for:** Indian Air Force and Indian Navy.
    - used to bridge the gap between the MR-SAM (80 km) and S-400 (400 km)

7.Sub-Orbital Launch Vehicle for Experiments (SOLVE)

- a specialized, solid propellant-based sub-orbital launch vehicle
- Developed by: ISRO

8.Japan's Hayabusa2 Mission:

- Japan's asteroid sample-return mission
- developed by Japan Aerospace Exploration Agency (JAXA)
- Explored the carbonaceous asteroid Ryugu.

9.Three Space Crew Members returned from ISS to Earth

- ✓ **Crew Capsule Name:** Russia's Soyuz MS-28
- ✓ **Mission duration:** 8 Months
- ✓ **Crews:** 2 Russian cosmonauts (**Sergei Kud-Sverchkov and Sergei Mikaev**) and a NASA astronaut (**Chris Williams**)
- ✓ Also Russia successfully launched the Soyuz MS-29 crewed mission to the International Space Station (ISS)
- ✓ Soyuz MS-29 carried astronaut Anil Menon and Roscosmos cosmonauts Pyotr Dubrov and Anna Kikina to ISS

10.ISRO successfully tested Gaganyaan crew module

- India's **first human spaceflight** mission by ISRO
- **Crew Module (CM):**
    - The **habitable space** of the Gaganyaan Orbital Module
    - It provides earth like environment for the astronauts

11.Mission Drishti

- ✓ first commercial **Earth Observation satellite**
- ✓ India's largest privately built satellite
- ✓ **World's first OptoSAR satellite** from an Indian space start-up **GalaxEye**, loses communication after a geomagnetic solar storm solar storm
- ✓ launched on May 3, 2026 aboard a Falcon 9 by SpaceX

12.BitChat

- Indian Cyber Crime Coordination Centre (I4C), under the Ministry of Home Affairs, directed GitHub to remove three repositories hosting **BitChat**
- BitChat is an open-source, decentralized, peer-to-peer (P2P) messaging application
- developed to operate completely without internet connectivity, cellular networks, or central servers.
- The repositories on GitHub host its source code and Android installation release files.
- It works through Bluetooth Low Energy (BLE) by making connection between Device-to-Device with the help of Mesh Networking
- It discovers nearby devices (within ~30 to 100 meters).

- Each device acts as both a client and a relay node, hopping encrypted messages across a chain of smartphones until reaching the intended recipient

13.Kimi K3 AI Model

- world's first open-source AI model
- developed: Chinese AI startup Moonshot AI
- built with **8 trillion total parameters**

14.Facts – Science and Technology

1. **Bhargavastra Counter-Drone System** - is an indigenous, vehicle-mounted, multi-layered Counter-Swarm Drone System developed by Solar Defence and Aerospace Ltd. (SDAL) for the Indian Army
2. **PRAXIS** stands for Planetary Rings Autonomous EXploration with In-situ Sampling and is designed to collect and analyse real particles from Saturn's rings. NASA proposed the PRAXIS mission on 26 July 2026 for direct study of planetary ring particles

CURRENT EVENTS IN CULTURE

1.The Thukkachi Temple

1. Abathsahayeswarar Temple
2. a historic 12th-century Hindu shrine
3. Situated in the **Thanjavur district**
4. architectural brilliance of the later Chola period
5. designated **as a living historic temple**
6. conferred the prestigious UNESCO Asia-Pacific Award of Distinction (2024) for outstanding heritage conservation.

2.170th anniversary of Santhal Hool

- **major tribal uprising**
- **Place:** Rajmahal Hills
- **Important leaders:** Sidho, Kanho, Chand, and Bhairav Murmu
- **Cause:** land alienation, oppressive taxation, forced labour, and debt under the Permanent Settlement

3.Petroglyph Conservation Park

- India's **first Petroglyph Conservation Park**
- **Place:** Sindhu Ghat on the banks of the Indus River in Leh, Ladakh
- Petroglyphs are rock carvings (rock paintings are called pictographs) made by pecking directly on the rock surface using a stone chisel and a hammerstone.
- Petroglyphs are threatened by
    - natural weathering,
    - unregulated tourism,
    - infrastructure development,

- human interference and
- Lack of awareness.

4.Awards Given to Prime Minister of India by various Nations

SINO	COUNTRY	NAME OF THE AWARD	TYPE OF AWARD
•	Indonesia	Bintang Adipurna	highest civilian honour
•	Slovakia	Order of the White Double Cross	1st Class - Highest civilian honour
•	Seychelles	Guardian of the Blue Horizon	
•	Norway	Grand Cross of the Royal Norwegian Order of Merit	Second-highest civilian honour
•	Sweden	Commander Grand Cross of the Royal Order of the Polar Star	second-highest civilian honour
•	Israel	Speaker of the Knesset Medal	highest parliamentary honour
•	Food and Agriculture Organization	Agricola Medal	The highest agricultural award given by the United Nations.

5.UNESCO World Heritage List

- India's 45th World Heritage - **Ancient Buddhist Site of Sarnath**
- Located **within Varanasi**, Uttar Pradesh
- Comprises:
  - Chaukhandi Stupa
  - Archaeological Remains of Sarnath (encompassing Dhamekh Stupa, Dharmarajika Stupa, Mulagandhakuti Vihara, and the Ashokan Pillar site)
- India has 6th Highest number of sites in the world
- India has 6th Highest number of sites in Asia-Pacific Regions

6.UNESCO 48th World Heritage Committee session

- Place: Busan, South Korea
- Added **six vulnerable sites** to the List of World Heritage in Danger.
  - Boma-Badingilo Migratory Landscape -South Sudan
  - Mount Amel Castles -Southern Lebanon
  - Sebastia -State of Palestine (near Nablus, West Bank)
  - Ancient City of Tauric Chersonese and its Chora -Autonomous Republic of Crimea, Ukraine
  - Historic Inner City of Paramaribo -Suriname
  - Tyre - Lebanon

7.Fact – Culture

- Assam State Legislative Assembly had added Hindi as the 4th Official language along with Assami, English and Bodo

CURRENT EVENTS IN SPORTS

1. FIFA WORLD CUP 2026

- **FIFA** - Fédération Internationale de Football Association
- **Edition:** 23rd
- **Co-hosted:** across 16 cities in three North American nations
    - Canada
    - Mexico
    - United States
- Important Information:
    - First 48-Team Expansion
    - First 3-Nation Co-Host
- **Key Outcomes:**

Award	Winner	Nation
Golden Ball (Best Player)	Rodri	Spain
Golden Boot (Top Scorer)	Kylian Mbappé	France
Golden Glove (Best GK)	Unai Simón	Spain
Best Young Player	Pau Cubarsí	Spain
Fair Play Award	Netherlands	Netherlands

- **Final Match Venue:** MetLife Stadium, East Rutherford, New Jersey, USA
- **Champions: Spain** (1–0 vs Argentina) – 2nd Title
- **Winning Goal:** Ferran Torres (Spain)
- Mexico became the first country to host the World Cup three times
- Canada's first time hosting the tournament
- **Next world cup:** 2030 - jointly hosted by Morocco, Portugal, and Spain
- **Previous world cup:** 2022 – Hosted by Qatar

2. 23rd GLASGOW COMMONWEALTH GAMES 2026

- **Host:** Glasgow, Scotland
- **Official mascot:** Finnie (Unicorn, the national animal of Scotland)
- **Venue:** OVO Hydro
- **Original Host**: Victoria, Australia (Later shifted to Glasgow)
- **Games reduced to 10**
- **Reason:** Lack of funding
- **Next Host (2030):** Ahmedabad, Gujarat, India

3.Anahat Singh creates history

1. Indian **squash player**
2. First Indian to win World Junior Squash Championship 2026
3. By defeating: Ruqayya Salem of Egypt

4. **Held at:** Ontario, Canada

4.Cricket – India

SINO	TOUR NAME	WIN | LOSE	KEY POINTS
1.	T20I Tour of England	Lost (0-4)	Lost the No. 1 spot in the ICC T20I ranking to England
2.	T20I Tour of Zimbabwe	Won (3-0)	After the win India reclaimed No. 1 spot in the ICC T20I rankings.
3.	Deaf Women's Twenty20 International (T20I) series 2026	Won (5-0)	defeating Sri Lanka Deaf Women's Cricket Team
4.	Women's Test Cricket	Won (1 – 0)	Indian team defeats England in Women's Test at Lord's, London

SINO	TOUR NAME	Winner	KEY POINTS
5.	10th ICC Women T20 World Cup	Australia against England	• 7th Time • Women T20 World Cup is being held every 2 years

5.Medal Winners in Commonwealth Games 2026 (As on 31st July)

No.	Athlete	Event	Sport	Medal
1	Jhandu Kumar	Men's heavyweight	Para powerlifting	Bronze
2	Rishikanta Singh	Men's 60kg	Weightlifting	Silver
3	Mirabai Chanu	Women's 48kg	Weightlifting	Gold
4	Muthupandi Raja	Men's 65kg	Weightlifting	Silver
5	Gyaneshwari Yadav	Women's 53kg	Weightlifting	Silver
6	Bindyarani Devi	Women's 58kg	Weightlifting	Bronze
7	Sharmila Dhankar	Women's shot put F57	Para athletics	Gold
8	Sarvesh Kushare	Men's high jump	Athetics	Silver
9	Shilpa K Shyla	Women's shot put F57	Para athletics	Bronze
10	Valluri Ajaya Babu	Men's 79kg	Weightlifting	Silver
11	Harjinder Kaur	Women's 69kg	Weightlifting	Silver
12	Gulveer Singh	Men's 10000m	Athletics	Silver
13	Murali Sreeshankar	Men's long jump	Athletics	Silver
14	Dilip Gavit	Men's 100m T47	Para athletics	Gold
15	Mohammed Basil	Men's 100m T47	Para athletics	Silver
16	Lovepreet Singh	Men's +110kg	Weightlifting	Silver
17	Seema Kaliramna	Women's discus throw	Athletics	Bronze
18	Asmita Dey	Women's -48kg	Judo	Gold
19	Harsh Singh	Men's -60kg	Judo	Gold

6.Justin Greaves becomes the first player in Test history to bowl five straight wicket maidens

- **Player Name:** Justin Greaves
- **Country:** West Indies
- **Against:** Pakistan
- **Match:** first ICC World Test Championship Test
- **Held at:** Trinidad
- **Maiden overs with Wicket:** 64, 66, 68, 70, 72



- **Previous Achievement:**

Four consecutive wicket maidens that former **England** fast bowler **Stuart Broad** managed in a Test against **South Africa at Johannesburg** in January **2016**.

7.Tennis Championship in 2026

Category	Australian Open (January 2026)	French Open (May – June 2026)	Wimbledon (July 2026)
Men's Singles	**Carlos Alcaraz** defeated Novak Djokovic	**Alexander Zverev** defeated Flavio Cobolli	**Jannik Sinner** successfully defended his title by defeating Alexander Zverev.
Women's Singles	-	**Mirra Andreeva** defeated Maja Chwalińska	**Linda Nosková** defeated Karolína Muchová to capture her first major title.

- The official mascot **'Peacko'** for Badminton World Federation **(BWF) World Championships 2026, New Delhi**
- Telangana will host the 8th Khelo India Youth Games (KIYG) 2026 in November

ENVIRONMENT, CLIMATE CHANGE, ENERGY

1.India's Installed Wind Power Capacity

- India's Installed Wind Power Capacity Reaches **57,443 MW** as on June 30, 2026
- As per **GWEC Report 2026, India ranked 4th position** globally in wind energy installation till 31st Dec, 2025

State	Wind installed capacity as on 30.06.2026 (in MW)
Gujarat	16086

Tamil Nadu	12273
Karnataka	8896
Maharashtra	6318
Rajasthan	5516
Andhra Pradesh	4461
Madhya Pradesh	3686
Telangana	128
Kerala	71
Others	4
Total	**57443**

2.Borjuli wetland notified as Biodiversity Heritage Site

- **Place:** Assam
- **Reason:** conservation of India's wild rice (Oryza rufipogon) genetic resources.
- **progenitor** of present-day cultivated rice, **Oryza sativa**
- **Features**: It is resistant to pests and diseases and can tolerate flooding and saline conditions making it a valuable genetic resource for developing climate-resilient crop varieties

3.Environment – Facts

- India Becomes 123rd Member of WTO Fisheries Subsidies Agreement

SINO	FACT	INFORMATION
1.	Typhoon Bavi	Powerful cyclone lashed at Japan

CURRENT EVENTS IN POLITY

1.The Prevention of Insults to National Honour (Amendment) Bill, 2026

- *amends **Section 3 of the Prevention of Insults to National Honour Act, 1971***
- *extends the same legal protection to the **National Song, Vande Mataram** that is currently afforded to the **National Anthem, Jana Gana Mana***
- **The Prevention of Insults to National Honour Act, 1971**
    a. Enacted on 23rd December 1971
    b. The Act extends to the whole of India
    c. It provides statutory protection to
        1. **the Indian National Flag,**
        2. **the Constitution of India and**
        3. **the Indian National Anthem, Jana Gana Mana.**

Difference between Prevention of Insults to National Honour Act, 1971 and 2026 Amendment Bill

Feature/Provision	*The Prevention of Insults to National Honour Act, 1971 (Original Act)*	*The Prevention of Insults to National Honour (Amendment) Bill, 2026*
Scope of Protection under Section 3	**Specific legal protection solely to the Indian National Anthem (Jana Gana Mana).**	**Expands the scope of Section 3 to include both the National Anthem and the National Song (Vande Mataram).**
Prohibited conduct	**Penalises whoever intentionally prevents the singing of the Indian National Anthem, or causes disturbance to any assembly engaged in such singing.**	**Penalises whoever intentionally prevents the singing of the National Anthem or the National Song, or causes disturbance to any assembly engaged in such singing.**
Punishment	**Imprisonment for a term which may extend to three years, or with fine, or with both.**	**The punishment remains unchanged.**
Repeat convictions	**Under Section 3A (added in 2003), anyone convicted a second or subsequent time for an offense under Section 2 or 3 is punishable with imprisonment for a minimum term of one year.**	**The enhanced penalty of a minimum one-year imprisonment remains in effect. Repeat offenders who intentionally disrupt the singing of *Vande Mataram* will now also face this mandatory minimum one-year prison sentence.**

2.Public Examinations (Prevention of Unfair Means) Amendment Bill, 2026 – Special Features:

To prevent malpractices in public examinations such as

1. Union Public Service Commission (UPSC),
2. Staff Selection Commission (SSC),
3. Railway Recruitment Boards (RRBs),
4. Institute of Banking Personnel Selection (IBPS)
5. National Testing Agency (NTA) for higher education admissions.
6. Central Government Departments and their attached offices

Stringent provisions:

1. **Punishment for individuals involved in question paper leaks or other malpractices:** Minimum imprisonment of 5 years, extendable up to 10 years, and a fine of up to ₹50 lakh.
2. **Punishment for organised/group crimes:** For offences committed in a planned and organised manner, imprisonment ranges from 7 years to 10 years, along with a fine of up to ₹10 crore.
3. **Special Courts for investigation:** State Governments and Union Territories are empowered to designate any Sessions Court as a Special Fast-Track Court to try such offences.
4. **Time-bound trial process:** Daily hearings in Special Courts, and completion of trial within 3 months from the date of filing the charge sheet.
5. **Formation of Special Task Force (STF):** The Central Government has the authority to constitute a Special Task Force as needed.
6. **Time-bound investigation:** Investigation by police, central agencies, or STF must be completed within 2 months.
7. **Appointment of Special Public Prosecutors:** State Governments and Union Territories can appoint special public prosecutors to handle such cases.
8. **Appeal mechanism:** Appeals against any judgment, sentence, or order can be made before a Division Bench of the High Court (two judges), with a provision to dispose of the appeal within 3 months

SCHEMES IN NEWS

1.Modified UDAN - Regional Connectivity Scheme

- **Name:** Regional Connectivity Scheme (RCS) – UDAN (Ude Desh ka Aam Nagrik)
- **Launched on**: October 2016
- **Modified UDAN Scheme**, launched on **4th July 2026**
- **Duration:** 10 years
- **Implementation Period:** FY 2026–27 to FY 2035–36
- **Components**:
    1. Development of Aerodromes
    2. Operation and Maintenance Support
    3. Development of Modern Helipads
    4. Viability Gap Funding for Airlines
    5. Strengthening indigenous aviation capacity

2.Mobile Phone Manufacturing Scheme (MPMS)

- macro-level manufacturing incentive policy
- designed to provide direct financial support for
    - mobile phone production,
    - localized component sourcing, and

- design engineering

- **Aim:** to scale up high-volume smartphone production, significantly deepen domestic value addition, and build supply chain resilience
- **Duration:** 5-year
- **Implementation Period:** FY 2026-27 to FY 2030-31.

3.Semicon 2.0

- India Semiconductor Mission 2.0
- **Aim** - to further the Government's commitment towards putting our country on the semiconductor map of the world
- Built on **six pillars**:
    1. First pillar: Design
    2. Second pillar: Machines and materials
    3. Third pillar: Setting up more fabs
    4. Fourth pillar: Further strengthening the ATMP/OSAT industry
    5. Fifth pillar: Research & Development
    6. Sixth pillar: Talent development

4.Academic Bank of Credits (ABC)

- a revolutionary initiative by **the Ministry of Education**
- regulated by the **University Grants Commission (UGC)**
- a **digital platform** built to support every learner's journey by providing a secure digital platform for storing, managing, transferring, and redeeming academic credits earned by students from recognised award granting institutions.
- **APAAR ID (Automated Permanent Academic Account Registry):**
    1. a unique 12-digit student identification number
    2. linked to the ABC system
    3. Introduced as part of the "**One Nation, One Student ID**" initiative
    4. APAAR creates a single academic identity for every learner.
    5. Accessible through DigiLocker & ABC platform
    6. brings together a student's educational records from **higher education**, **skill & vocational education**, and **other learning professional programmes** onto one platform.
- **Features of ABC:**
    1. **Seamless Credit Transfer -** Students move between different educational institutions
    2. **Unique APAAR ID**
    3. **Flexible Learning Pathways - Multiple** end ID and academic records based on student choice
    4. **Verified Credit Recognition -** Student utilization
    5. **Advanced Data -** Fully protected
    6. **National Repository -** Student academic data with verified records
    7. **Fully Digital Ecosystem -** National Repository
- The main objective of ABC is
    1. to create a flexible, learner-friendly education system in which learning achievements can be recognised, stored, and used throughout a person's life.

2. It supports the vision of the **National Education Policy (NEP) 2020 and the National Credit Framework (NCrF)** by enabling credit transfer, multiple entry and exit options, and recognition of learning across different institutions and disciplines. This means that if a student chooses to drop out of studies after having completed it partially, the credits that he earned are stored in this ABC data bank.
3. These credits can be used by him towards completion of his studies when he chooses to rejoin in future, under the self-life of seven years for redemption and transfer of the credits

5.Nuclear Energy Mission (NEM)

- **Announced:** Union Budget 2025–26
- **Target**: 100 GWe nuclear power generation capacity by 2047
- **Aim:**
    - To reach the goal of net zero carbon emissions by 2070
    - To develop and operationalise at least five indigenous Small Modular Reactors (SMRs) by 2033
- **SHANTI Act, 2025** - opens the nuclear energy sector to the private participation

6.Bharat Taxi

- Sahakar Taxi Cooperative Limited (STCL)
- registered under the Multi-State Cooperative Societies Act, 2002
- established on 6 June 2025
- officially launched on **5 February 2026**
- Presently the Bharat Taxi is operational in cities of **Delhi-NCR and Gujrat.**
- a cooperative-based mobility platform operated by STCL

Yatri Sathi is a State Government initiative developed, owned and operated by the Department of Information Technology and Electronics (DITE), **Government of West Bengal** for providing taxi aggregation services within the State.

7.Mission Mausam

- Launched on 14 January 2025
- Goal of making country a 'Weather-ready and Climate-smart' nation
- Objective of Mission Mausam:
    - to strengthen various components of the Earth System observations,
    - to realize Earth System approach to provide an early warning system, for seamless weather and climate services to all
    - Developing cutting-edge weather surveillance technologies and systems.
    - Implementing higher-resolution atmospheric observations with improved temporal and spatial sampling and coverage.
    - Deploying next-generation radars, wind profilers, and satellites equipped with advanced instrument payloads.
    - Implementing advanced high-performance computing (HPC) systems.
    - Enhancing our understanding of weather and climate processes and improving prediction capabilities.

- Developing advanced Earth system models and data-driven methods, including the use of AI/ML.
- Creating technologies and protocols for effective weather management.
- Establishing a state-of-the-art Decision Support System (DSS) and dissemination system for last-mile connectivity.
- Strengthening capacity building and research collaborations.

8.Bharat Forecast System (BharatFS)

- **Developed** by a team of scientists from Indian institutions like **IITM-Pune**, with support from the **NCMRWF-Noida** and the **India Meteorological Department (IMD**)
- being developed **indigenously**
- **Powered by**: Arka and Arunika – Super Computers
- **Role:** It enhances India's weather prediction resolution from 12 km to 6 km

9.PM Young Achievers Scholarship Award Scheme for Vibrant India (PM-YASASVI)

- Ministry of Social Justice and Empowerment
- Components:
  - Pre-Matric Scholarship for OBC, EBC and DNT Students
  - Post-Matric Scholarship for OBC, EBC and DNT Students
  - Top Class School Education for OBC, EBC and DNT Students
  - Top Class College Education for OBC, EBC and DNT Students
  - Construction of Hostel for OBC Boys and Girls
- umbrella scheme is aimed at uplifting students from Other Backward Classes (OBC), Economically Backward Classes (EBC), and Denotified Tribes (DNT) by providing them with access to quality education during their formative years.

10.PARIVARTAN Scheme

- PARIVARTAN (Programme for Accelerated Renewal and Incentivization of Vehicle Assets for Reducing Transport Air Pollution and Network Emissions) Scheme
- **Aim:** facilitating the **replacement of older, highly polluting trucks and buses** operating in National Capital Region with cleaner **Bharat Stage (BS)-VI** compliant or **electric vehicles.**
- **Implementation by**: Ministry of Road Transport and Highways (MoRTH)
- **launched** by the central government
- **Funding**: It is funded by the National Capital Region Planning Board (NCRPB)

11.Bharat Audyogik Vikas Yojana Rasayan or BHAVYA - Rasayan Scheme

- **Announced:** Union Budget 2026- 2027
- **Period:** 5 years from FY 2026-27 to FY 2030-31
- **Aim:** To establish 3 Chemical Parks
- Total financial outlay: **Rs.3,030 crore**
- **Benefits:**

- development of the Chemical industry
- enhanced cost competitiveness
- integrate in Global Value Chains
- will promote development of Indian Chemical industry

12.Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) – 10 Years

- **Launched on:** 1 July 2015
- **Type:** Centrally Sponsored Scheme.
- **Ministry:** Ministry of Agriculture and Farmers Welfare.
- **Objective:** To expand assured irrigation, improve on-farm water efficiency, and promote sustainable water conservation.
- **Funding Ratio (Centre to State): 60:40** for most states + 90:10 for North Eastern and Himalayan states.
- **100% grant** by the Central Government for Union Territories.
- **Components (4):**

Ministry	Component
Ministry of Jal Shakti	1. Accelerated Irrigation Benefits Programme (AIBP) 2. Har Khet Ko Pani (HKKP)
Ministry of Agriculture & Farmers Welfare	3. Per Drop More Crop (PDMC)
Ministry of Rural Development	4. Watershed Development component

13. Viksit Bharat- Guarantee for Rozgar and Ajeevika Mission (Gramin) Act, 2025

- **Scheme Type:** Centrally Sponsored
- **Guarantee Employment:** 125 Days – Unskilled wage employment - per rural household in each financial year
- **No work:** 60 days during the peak agricultural season
- **Disbursement of wages:** weekly basis or, in any case, not later than a fortnight
- **Replacement for:** MGNREGA
- **Came into force:** 01st July 2026

14.Employees' Provident Funds Scheme 2026

- **Nodal Ministry:** Ministry of Labour and Employment.
- **Executive authority**: Employees' Provident Fund Organisation (EPFO)
- **Key Features**:
  - Replaces the 1952 Scheme
  - Employer and employee continue to contribute **12% of wages**
  - Mandatory contribution applies only up to the statutory wage ceiling (**₹15,000/month**)
  - Employees may voluntarily contribute above the wage ceiling or at rates exceeding 12%.
  - Employers may make matching voluntary contributions
  - Such additional contributions can be reduced or discontinued later
  - Members must retain 25% of total contributions as a minimum retirement corpus.

- Withdrawal:
    - Illness: Up to 100% of eligible balance after 12 months of membership.
    - Education: Withdrawal permitted after 12 months (maximum 10 times).
    - Marriage: Up to 100% of eligible balance (maximum 5 withdrawals).
    - Housing: Up to 75% of total balance after 12 months (maximum 5 withdrawals).

15.National Innovation Challenge for Drone Application and Research (NIDAR 2.0)

- **Edition:** second edition
- **Launched by:** Ministry of Electronics and Information Technology (MeitY), in collaboration with Drone Federation India (DFI)
- **Under:** SwaYaan initiative
- **Aim:**
    - To empower India's College Graduates to build collaborative autonomous drones for defined problem statements.
    - To bridge the gap between academia, industry, and government through applied innovation in GPS denied navigation, collaborative drone operations, indigenous flight control systems, and semiconductor linked drone technologies
- **Objectives:**
    - National Platform
    - Collaborative Innovation
    - Indigenous Components
    - Stronger Collaboration
    - Hands on Exposure
    - Technological Self Reliance
-
- **SwaYaan:**
    - **approved** by MeitY in July 2022
    - **Period:** over five years
    - **Aim:** To build the skilled workforce needed for India's drone sector.

16.PM Formalisation of Micro Food Processing Enterprises (PMFME) Scheme

- **Launched:** 2020
- **Type:** Centrally Sponsored Scheme (2020–21 to 2025–26)
- **Ministry:** Ministry of Food Processing Industries (MoFPI)
- **Objective:** Formalise and enhance the competitiveness of micro food processing enterprises through financial, technical and business support.

17.Sub-Mission on Agricultural Mechanization (SMAM)

- ✓ **launched:** 2014–15
- ✓ **Types:** Centrally Sponsored Scheme
- ✓ **Under:** Rashtriya Krishi Vikas Yojana (RKVY
- ✓ **Aim:** To promote inclusive and efficient **farm mechanization** by improving access to modern agricultural equipment, reducing drudgery, and enhancing farm productivity

✓ **Pillars:**

1. Promotion of Agricultural Mechanization through training, testing, demonstration, and postharvest mechanization
2. Financial Assistance for the Procurement of Agricultural Machinery and Equipment
3. Establishment of Farm Machinery Banks (FMBs) for Custom Hiring
4. Establishment of Hi-Tech and High-Productivity Equipment Hubs
5. Promotion of Agricultural Mechanization in the North Eastern Region (NER)

18.Corporate Mitra Scheme

- **Aim**: Building **job-ready para-professionals** to empower India's MSMEs with compliance, accounting, and financial expertise
- **Ministry**: Under the Ministry of Corporate Affairs (MCA)
- To build job-ready professionals in the areas of
  - Accounting,
  - Taxation,
  - Banking & Financial Management,
  - Legal & Secretarial practice, and
  - Cost & Management Accounting
- The course equips learners with practical, compliance-oriented skills that support MSMEs and corporate entities, creating a pool of Accredited Para Professionals.
- This would enable learners to support businesses with accurate record-keeping, regulatory compliance, and financial decision-making.
- Corporate Mitras - **para-professionals**

19.Atmanirbhar Panchayat Programme

- **Implementing Ministry**: Ministry of Panchayati Raj.
- **Objective:** Help Gram and Block Panchayats create bankable, revenue-generating projects to increase Own Source Revenue (OSR).
- **Support**: Technical assistance from the Ministry.
- **Funding Sources**:
  - Public-Private Partnerships (PPP),
  - Corporate Social Responsibility (CSR),
  - convergence with government schemes, and
  - bank finance.
- **Institutional Partners**: NABARD and HUDCO.
- Target: 350 projects in 4 years:
  - Year 1 – 50 projects
  - Years 2–4 – 100 projects each
- Eligibility:
  - Gram Panchayat: Minimum ₹50 lakh OSR
  - Block Panchayat: Minimum ₹1 crore OSR
  - Minimum 3 years of tenure remaining
  - Relaxed criteria for Special Category States.

20.DAANVEER Initiative in PRI

- voluntary public contribution
- Tag line - Give Back to Your Village
- Available through the Meri Panchayat mobile application
- Enables individuals and organizations to contribute standardized, quality-verified computer bundles directly to eligible Gram Panchayats.

21.Designing Innovative Solutions for Holistic Access to Justice (DISHA) 2.0 Scheme

- **Scheme type**: Central Sector Scheme
- **Aim:** Leveraging technology to develop and enhance the outreach of people friendly solution platforms for legal services.
- **Components**: Has 4 components
    - **Tele-Law**: Reaching the Unreached (free pre litigation advice to all);
    - **Nyaya Bandhu** (Pro-Bono legal Services) Programme;
    - Legal Literacy and Legal Awareness Programme and
    - **VIDHI** (Vision for Integrated Delivery of Harmonized Legal Initiatives)-**Sanjeevani.**

CONFERENCE, SUMMIT, CONVENTION

SINO	NAME	PLACE	FEATURE
1.	29th National Conference on e-Governance	Jaipur	Panchayat Advancement Index were conferred National Awards for e-Governance 2026,
2.	16th BRICS Health Minister's Meeting	Chandigarh	adopted the **'Health Ministerial Declaration'**
3.	12th BRICS Labour and Employment Ministers' Meeting	Hyderabad	
4.	Saushrutam 2026	New Delhi	International seminar focused on Ayurvedic surgery

INDICES IN NEWS

1.Investment Friendliness Index

- Released by NITI Aayog
- Announced in 2026-2027 Union Budget
- Based on eight pillars
    1. Infrastructure
    2. Business climate
    3. Resources

4. Government policy
5. Regulatory Ease
6. Institutional Environment
7. Financial Health; and
8. Environmental Resilience

Category	Top performers > 50	Frontrunners 45 to 50	Emerging performers 45 to 40	Aspiring states < 40
1. Gujarat, 2. Maharashtra, 3. Tamil Nadu (First in infrastructure pillar category)				

2.Index of Core Industries (ICI)

- It is updated Index of Core Industries (ICI)
- **Base year** revised to **2022 – 2023** (from 2011 – 2012)
- compiled and published **monthly** by the **Office of Economic Adviser (OEA)**
- **Expansion to Nine Sectors:** Expanded from 8 to **9 core industries** through the addition of **Iron Ore**

3.Other Index:

SINO	INDEX	RELEASED	RANK
1.	Global Passport Index (GPI)	Global Citizen Solutions	India – Rank – 125
2.	Global Liveability Index 2026	Economist Intelligence Unit (EIU)	Global Top cities: Copenhagen, Vienna, Melbourne In India: New Delhi (120), Mumbai (121), Chennai (123), Bengaluru (127)

COMMITTEES IN NEWS

SINO	COMMITTEE HEAD	PURPOSE	MEMBERS
1.	**Nandan Nilekani Committee** (high-powered task force on exam reforms) ✓ Co-founder and chairman of Infosys ✓ Founding chairman UIDAI (Architect of Aadhar) ✓ Co-Chair of G20 Task Force on Digital Infrasturcture **Books:** ✓ Imagining India	To make exam system leak-proof and technology-driven ✓ Formed on 26th July 2026	1. Technology Expert **Nandan Nilekani** 2. Former ISRO Chairman **S Somnath** 3. Former IB Director **Tapan Deka** 4. IIT Chennai Director **V Kamakoti** **5.** Former Education Secretary **Anita Karwal** 6. Logistics Expert **Amrit Lal Meena**

	✓ Rebooting India: Realizing a Billion Aspirations ✓ he Art of Bitfulness: Keeping Calm in the Digital World		
2.	**K. Radhakrishnan Committee** ✓ Former Chairman, ISRO ✓ Chairman BoG, IIT Kanpur.	High-Level Committee of Experts to make recommendations on: • Reform in mechanism of examination process, • Improvement in Data Security protocols. • Structure and functioning of National Testing Agency	✓ Seven-member committee ✓ **Formed in 2024** ✓ K. Radhakrishnan (C) ✓ Dr. Randeep Guleria (M) ✓ Prof. B J Rao (M) ✓ Prof. Ramamurthy K (M) ✓ Shri Pankaj Bansal (M) ✓ Prof. Aditya Mittal (M) ✓ Shri Govind Jaiswal (Member Secretary)
3.	**Mylswamy Annadurai Committee**	TN appointed his as the Chairman of Curriculum Design Committee (CDC) for School Education	

REPORTS IN NEWS

SINO	Name of the Report	Released by	Information
1.	Financial Stability Report (FSR)	RBI since 2010	half-yearly report
2.	Global Report on Food Crises	Global Network Against Food Crises (GNAFC)	provides a global assessment of **acute food insecurity, malnutrition, and forced displacement** across countries experiencing food crises
3.	Road Accidents in India 2024 report	Ministry of Road Transport and Highways (MoRTH)	In 2024, India recorded **485 road deaths per day, exceeding the 10-year average**
4.	**Digital Threat Report 2025–26** for India's for the Banking, Financial Services and Insurance (BFSI) and payments ecosystem	MeitY, CERT-In, CSIRT-Fin, and SISA	2nd Edition.
5.	World Intangible Investment Report 2026	**World Intellectual Property Organization (WIPO)** and Italy's **Luiss Business School (LBS)**	Reaffirms **India's** status as a **global innovation powerhouse**
6.	All India Survey on Higher Education	**U**nion Ministry of Education	✓ AISHE is voluntary ✓ data is self-reported

	(AISHE): 2022-23 & 2023-24		
7.	Global Status Report on Cancer 2026	First Time released **World Health Organisation** and **International Agency for Research on Cancer (IARC)**	✓ Cancer remains the second leading cause of death globally, after cardiovascular disease. ✓ **Lung cancer** remains leading cause of cancer death globally ✓ **Asia** accounted for largest share burden
8.	UDISE+ 2025-26 report	**U**nion Ministry of Education	✓ Deals with Indian school education system ✓ educational management information system
9.	World Investment Report 2026	**UNCTAD**	✓ USA - world's largest FDI destination ✓ India rose from **13th (2024) to 11th (2025)** globally in inward FDI and from **20th (2024) to 18th (2025)** in outward FDI.
10.	Panchayat Advancement Index (PAI) 2.0 Report for the FY Year 2023–24.	**Ministry of Panchayati Raj** Gram Panchayats are classified into five performance categories – A). Achiever (A+: 90 and above), B). Front Runner (A: 75 to below 90), C). Performer (B : 60 to below 75), D). Aspirant (C: 40 to below 60), and E). Beginner (D: below 40)	✓ a robust tool for evidence-based planning, performance monitoring, and incentivising Panchayati Raj Institutions
11.	BIMCO-ICS Seafarer Workforce Report 2026,	Baltic and International Maritime Council (BIMCO) and the International Chamber of Shipping (ICS)	✓ India became the world's **2nd largest** supplier of seafarers
12.	"The State of Food Security and Nutrition in the World (SOFI 2026)	FAO	✓
13.	Sustainable Development Report 2026	United Nations Sustainable Development Solutions Network (UNSDSN)	✓ Rank 1 – Finland ✓ Rank 94 – India

BOOKS AND AUTHORS IN NEWS

SINO	NAME OF THE BOOK	AUTHORS
1)	RSS @ 100: A Century of Service, Unity & Sacrifice	Shri Shyam Jaju and Shri Anupam Trivedi
2)	The Second Orbit: Belief of a Man… Dreams of 1.4 Billion Hearts	Group Captain Shubhanshu Shukla

WEB PORTAL, MOBILE APP, OS

1.LokOS: A Digital Backbone for Rural Livelihoods

- Lok = People, OS = Operating System = LokOS
- a web and mobile platform under the **Deendayal Antyodaya Yojana-National Rural Livelihoods Mission (DAY-NRLM**)
- end-to-end digitization of Self-Help Groups
- **LokOS** offers a comprehensive digital solution for managing Self-Help Groups (SHGs) and Community-Based Organizations (CBOs) by digitizing **member records, profiles, savings, lending, repayments, financial transactions, livelihoods,** and **convergence initiatives**
- comprises both **web** and **mobile** applications
- **SHE-LEAPS**
    - **Self-Help Entrepreneur-Livelihoods and Enterprise Application for Prosperity and Sustainability (SHE-LEAPS)**
    - recently launched on 29th June 2026
    - implemented under the **LokOS platform.**
    - a digital platform for empowering women associated with Self-Help Groups (SHGs) across rural India.
    - provides a unified platform for **enterprise creation, performance tracking, and business management.**
    - supports farm and non-farm enterprises, strengthening a sustainable and resilient rural economy.
- **The key features of LokOS:**
    - **End-to-End Digital Management:** Registers and manages SHGs, Village Organizations (VOs), Cluster Level Federations (CLFs), and their members.
    - **Unique Digital IDs:** Generates Aadhaar- and bank-linked digital identities for CBOs and members.
    - **Digital Financial Records**: Records savings, loans, repayments, and other financial transactions.
    - **Livelihood Profiling**: Captures livelihood data to support planning and convergence with government schemes.
    - **Role-Based Administration:** Enables user management, approvals, monitoring, and reporting from village to national level.
    - **Real-Time Analytics:** Provides dashboards and one-click reports for data-driven decision-making

2.Indiahandmade

- Launched in 2023
- a dedicated digital marketplace
- Developed by **Digital India Corporation** under the Ministry of Textiles
- the platform strengthens the visibility of handmade products and opens wider market opportunities for sellers.
- **Features:**
    1. **Specialised Online Marketplace** : It enables weavers and artisans to sell their handloom and handicraft products online.
    2. **Direct Buyer Access:** Artisans and weavers are directly connected with buyers, helping reduce intermediaries and support fair compensation.
    3. **Greater Visibility**: The platform showcases handmade products to a broader customer base, expanding market opportunities for sellers.
    4. **Digital Empowerment:** Artisans and weavers are provided with digital tools and visibility to participate more effectively in online commerce.
    5. **Financial and Social Empowerment:** Wider market access strengthens livelihoods and supports income opportunities.
    6. **Cultural Preservation:** A diverse range of craft-based products keeps India's handmade heritage visible and helps preserve traditional skills for future generations.

3. Aarogya Setu 2.0

- Serve as a **comprehensive digital health management platform**, integrating key functionalities such as health records management, ABHA services, digital consultations, and other health services
- Created under ABDM (Ayushman Bharat Digital Mission)
- Provides a single, citizen-centric digital gateway for accessing health services
- Function as a trusted personal health record for individuals and families

Digital Initiatives Taken under ABDM	Purpose
1) Ayushman App	Enabling PM-JAY beneficiaries to access • healthcare-related services, • Ayushman Card creation and • checking wallet balance through a simple digital interface
2) Ayushman Sarathi Chatbot	An official WhatsApp chatbot for AB PM-JAY
3) e-Shushrut Clinic	a cloud-based Health Management Information System (HMIS) designed for clinics, offering services such as • patient registration, • prescription management, • clinical record keeping, and • secure data exchange.
4) UHI (Unified Health Interface)	UHI creates an open digital network connecting citizens, healthcare providers and technology

	platforms. Citizens can discover essential health services such as • PM-JAY empanelled hospitals, • Jan Aushadhi Kendras and • blood banks through a unified digital experience instead of navigating multiple applications.
5) National Health Claim Exchange	NHCX enables seamless exchange of health insurance claims information between hospitals, insurers and other stakeholders.
6) Drug Registry	The Drug Registry enables standardised drug codification, creating a common digital language for medicines across healthcare applications

4.Nalam TN – Whatsapp Chatbot

- AI based Whatsapp Chatbot - 9619222999
- Launched by Dept of Health and Family Welfare, Government of Tamil Nadu
- Launched for:
    - Registration of OP Token and Doctor Appointment
    - Prescription
    - Medical Records

5.SAMARTH Panchayat Portal

- **Implementing Ministry:** Ministry of Panchayati Raj.
- **Purpose:** Strengthen the **Own Source Revenue (OSR)** of Gram Panchayats through digital governance.
- **Features:** End-to-end digital management of OSR, including:
    - Taxpayer registration
    - Demand generation
    - Online payments
    - Revenue collection
    - Real-time monitoring
- **Significance:** Supports the **Sixteenth Finance Commission's** recommendation to improve the financial sustainability of **PRIs/RLBs**.
- **Current Status:** Implemented in **Chhattisgarh** and **Himachal Pradesh**.
    - **51+ lakh taxpayers** registered.
    - **₹95 crore** demand notices generated.
    - **₹27+ crore** revenue collected.
- **Expansion:** Onboarding underway in **Maharashtra, Mizoram, Assam, Haryana, West Bengal, and Uttar Pradesh**.

6.Mission Shakti App

- a digital platform for women and child safety in India
- provides access to **seven helpline services**, including
    1. Women Helpline 181,

2. Emergency Response Support System 112,
3. National Cyber Crime Helpline 1930,
4. Poshan and Pradhan Mantri Matru Vandana Yojana Helpline 1515
5. Legal Aid through National Legal Services Authority (NALSA) 15100
6. Child Helpline 1098, and
7. Tele-MANAS 14416.

- **MISSION SHAKTI:**
- aimed at strengthening interventions for women safety, security & empowerment
- has two sub-schemes - 'Sambal' and 'Samarthya'
- **Sambal sub-scheme** - for safety and security of women
- Components of Sambal:
    - One Stop Centre (OSC),
    - Women Helpline (WHL),
    - Beti Bachao Beti Padhao (BBBP)
    - a new component of Nari Adalat
- **Samarthya sub-scheme** for empowerment of women
- components ofSamarthya:
    - Shakti Sadan,
    - Sakhi Niwas,
    - Padhan Mantri Matru Vandana Yojana (PMMVY),
    - Palna and SANKALP: Hub for Empowerment of Women (SNKALP: HEW).

7.Fact - App

1. AI-based tool **Legal Research Analysis Assistant (LegRAA)** has been developed by the Artificial Intelligence Division of NIC and the Centre of Excellence for eCourts (CoEE)

PERSONALITY IN NEWS

SINO	PERSONALITY NAME	WHY IN NEWS	ADD. INFORMATION
1.	Sonam Wangchuk (From Ladakh)	Fast unto death due to NEET Paper leak	➢ launch of Operation New Hope ➢ Ice Stupa technique to store water in winter ➢ Received Ramon Magsaysay Award (2018)
2.	Dr. Syama Prasad Mookerjee	125th birth anniversary	
3.	Sistla Janaki	Playback Singer	Described as Nightingale of South India "Queen of Expression and Modulation" "Nightingale of South India"
4.	PV Sindhu	Badminton Player (India)	➢ Won her maiden Japan Open Super 750 Title ➢ First Indian to do so ➢ Won against – Japan's Akane Yamaguchi
5.	Andy Burnham (**59th Prime Minister**)	New Prime Minister of the United Kingdom	Labour Party politician and former Mayor of Greater Manchester

6.	General Dhiraj Seth	31st Chief of the Army Staff (COAS)	
7.	M. Nambirajan (Former Additional Director General, ASI)	Chairman of the Tamil Nadu Heritage Commission (Ancient Monuments Commission)	✓ a Statutory Authority ✓ constituted to advise in the matters relating to **identification, restoration** and **preservation** of heritage buildings
8.	Thiru K.Allaudin, I.A.S., (Retd.)	Chairman - 7th Tamil Nadu State Finance Commission	✓ Formed in 2025 ✓ TN Government extended the period of report submission till Dec 2026
9.	R Nirmalkumar and Rajmohan	Members of the Southern Zonal Council	✓ Appointed on July 17, 2026, under the provisions of the States Reorganisation Act, 1956
10.	Pralhad Joshi	Union Education Minister following resignation of Dharmendra Pradhan	✓ currently serving as the minister of consumer affairs, Food and public distribution and New and renewable energy
11.	Ayatollah Khamenei (Original Name: **Ali Hosseini Khamenei**)	supreme leader of Iran	✓ held the title Grand Ayatollah ✓ Killed in the US Strike
12.	**Viswanathan Anand**	assumed charge as the **Interim President of FIDE**	✓ India's five-time World Chess Champion
13.	**Anurag Jain**	**Appointed as NITI Aayog CEO**	✓ Duration: 2 Years
14.	**Pavel Durov**	**Telegram** Founder	✓ Russia makes Terrorism Charges against him
15.	**Mark Zuckerberg**	**Meta Founder**	✓ India summoned **Meta** over paid Instagram advertisements promoting child sexual abuse material (CSAM)

AWARDS, PRIZES

SINO	NAME OF THE AWARD	GIVEN TO	GIVEN FOR
1.	**2026 Fields Medal** (Awarded by the **International Mathematical Union (IMU)**)	✓ Yu Deng, ✓ John Pardon, ✓ Jacob Tsimerman, ✓ Hong Wang	mathematics' highest honor (referred to as the Nobel Prize of Mathematics)
2.	**Lokmanya Tilak National Award 2026**	✓ National Security Advisor **(NSA) Ajit Doval**	in recognition of his outstanding contribution to strengthening the country's national security, counter-terrorism, and border security
3.	**National Agriculture Leadership Award 2026**	✓ **Gujarat (for Horticulture)**	

4.	**Bharat Samman 2026**	✓ **Dr. Nandini Azad**	in recognition of her lifelong contributions to women's empowerment, financial inclusion, and grassroots social development

NATIONAL FILM AWARDS 2026

SINO	CATEGORY	PERSONALITY	FILM	LANGUAGE
1)	Best Feature Film		**Article 370**	**HINDI**
2)	**Best Actor**	Mammootty Kartik Aaryan	Bramayugam Chandu Champion	
3)	**Best Actress**	**Yami Gautam**	**Article 370**	**HINDI**
4)	**Best Direction**	Rajkumar Periyasamy	Amaran	TAMIL
5)	Best Feature Film Promoting National, Social and Environmental Values		Captain Miller	TAMIL
6)	Best Actress in a Supporting Role	Sachana Namidass	Maharaja	TAMIL
7)	Best Editing	R. Kalaivannansport	Amaran	TAMIL
8)	Best Music Direction	G. V. Prakash Kumar	Amaran	TAMIL
9)	Best Stunt Choreography	Anal Arasu	Maharaja	TAMIL
10)	Best Tamil Feature Film		Raayan	TAMIL

INTERNATIONAL YEAR

SINO	THEME	YEAR	INFORMATION
1.	International Year of Women Farmers	2026	Maharashtra has become the first Indian state to enact the Maharashtra Women Farmers Empowerment Act, 2026

DAYS IN NEWS

SINO	DAY	CELEBRATED AS	INFORMATION
1.	28TH July	World Nature Conservation Day	Celebrated at National Zoological Park, New Delhi
2.	July 28	World Hepatitis Day 2026	**Theme:** "Hepatitis: Let's Break It Down"
3.	July 26	Kargil Vijay Diwas	To commemorate the Indian Army's (IA) victory over Pakistan in the **1999 Kargil War** through **Operation Vijay**

4.	July 26	International day for the Conservation of the Mangrove Ecosystems	Observed by UNESCO
5.	July 25	World In Vitro Fertilization (**IVF**) Day - Commemorates the birth of **Louise Brown**	To raise awareness about IVF technology
6.	July 25	World Drowning Prevention Day 2026	**Theme:** "Unite to Turn the Tide on Drowning"
7.	July 23	**National Broadcasting Day**	To commemorate the first radio broadcast 2026 marks the 99th anniversary
8.	July 22	National Flag Adoption Day 2026	First designed by Pingali Venkayya in 1921**.** 4-spoke navy blue Ashoka Chakra, designed by Badruddin Tyabji
9.	July 15	World Youth Skills Day 2026	Theme: " Skills for a Shared Future"
10.	July 12	International Malala Day	birth anniversary of Malala Yousafzai
11.	July 12	International Day of Combating Sand and Dust Storms	To raise awareness about the health, environmental, and socio-economic impacts of sand and dust storms
12.	July 11	World Population Day 2026	Theme: "Realizing the hopes and aspirations of young people – today and for the future."
13.	July 4	International Day of Cooperatives 2026	Theme: " Cooperatives for a Peaceful World"
14.	July 1	Goods and Services Tax Day 2026	

INTERNATIONAL NEWS

1. France bars under 15 from using social media:

- Fance passed law to approve a blanket ban on social media for under 15
- First country to do so in the European Union
- The ban will not cover access to online encyclopaedias, educational or scientific directories.
- ban to come into effect by September

2.Integrated Anti-Ballistic Missile Coalition

- 10 European countries announced establishment of Integrated Anti-Ballistic Missile Coalition

1. Denmark, 2. France, 3. Germany, 4. Italy, 5. Netherlands,	6. Norway, 7. Spain, 8. Sweden, 9. Ukraine and the 10. United Kingdom

- Aim:

- to protect Europe from ballistic missiles.
- To build a shared ballistic missile defence capability for Europe, taking advantage of Ukraine's experience of fighting Russian invasion

International News – Mis

SINO	FACT	INFORMATION
1.	**PACTS – Agreement** Australia-India Partnership on Cyber, Critical Technologies and Supply Chains (PACTS)	✓ Singed between India – Australia ✓ **Five Pillars of PACTS:** ✓ Pillar 1 - Supply Chain Resilience and Diversification ✓ Pillar 2 - Critical Technology) ✓ Pillar 3 - Cybersecurity ✓ Pillar 4 - Digital Resilience ✓ Pillar 5 - Defence Research Collaboration
2.	Sabang Port	✓ **Weh Island** in **Indonesia's Aceh province** ✓ India and Indonesia agreed to jointly develop
3.	ASTRA missiles	✓ Indonesia became the first country that signed a pact to import India's ASTRA missiles (Astra MK1) ✓ beyond-visual-range air-to-air missiles' (BVRAAM) for airforce and navy ✓ Range :80 to 110 km ✓ **Speed**: Mach 4.5 ✓ **Altitude**: up to 20 km ✓ Developed by DRDO
4.	USA celebrated 250 Independence Day	✓ USA adopted the Declaration of Independence on July 4, 1776
5.	Strait of Hormuz	✓ a waterway between the Persian Gulf and the Gulf of Oman.
6.	Spain	✓ declared a national emergency for the first time due to raging wildfires

1. **SHANTI** (Securing Holistic Advancement through Norms, Trust and Integrity):
    a. India's foreign policy framework and official campaign vision
    b. **launched by**: External Affairs Minister S. Jaishankar
    c. **launched on:** July 13, 2026,
    d. Purpose - to secure a non-permanent seat on the United Nations Security Council (UNSC) for the 2028–2029 term
2. China Launches **Gravity-1 Y4 rocket** from sea, sends 9 satellites into orbit
3. Indian Air Force (**IAF**) participated in the **45th Edition** of **Exercise Pitch Black 2026**, hosted by the Royal Australian Air Force (**RAAF**) at Darwin

DO YOU KNOW?

1. What is Heat Wave?

The **World Meteorological Organization** defines a heat wave as **five or more consecutive days** during which the daily maximum temperature exceeds the average maximum temperature by **five degrees Celsius.**

2. What is Gender Parity Index (GPI)?

The **ratio of female GER to male GER** is computed as the Gender Parity Index (GPI) which measures the relative access to education of males and females.

3. What is fully literate state?

- Literacy is now defined as the ability to read, write, and compute with comprehension—that is, **to identify, understand, interpret, and create**—along with critical life skills such as digital and financial literacy.
- The criterion for declaring a State/UT fully literate is **achieving a literacy rate of 95% or above**, acknowledging that 100% literacy is unfeasible due to factors such as advanced age and intellectual disabilities.

4. What is Panchayat Advancement Index (PAI)?

- **Purpose:** A **multi-domain, multi-sectoral index** to assess the **overall development, performance, and progress** of Panchayats.
- **Key Indicators:**
  - **Infrastructure** – Roads, electricity, water supply, sanitation.
  - **Health & Education** – Healthcare, literacy, school enrollment.
  - **Economic** – Income, employment, agriculture, economic activities.
  - **Social** – Poverty, gender equality, social inclusion, quality of life.
  - **Governance** – Transparency, service delivery, citizen participation.
  - **Environment** – Conservation and sustainable practices.
- **Significance:**
  - Identifies development gaps and disparities.
  - Supports evidence-based policymaking and targeted interventions.
  - Helps improve the **quality of life and sustainable rural development**.

5. What do you know about **Vande Mataram?**

- *Vande Mataram*, meaning "*Mother, I Bow to Thee*"
- **Composed by:** Bankim Chandra Chatterjee.
- **First published in:** Literary journal Bangadarshan on 7th November 1875. It was later included in the novel Anandamath, published in 1882.
- **Music set by:** Rabindranath Tagore
- **First sang at**: 1896 session of the Indian National Congress in Calcutta.
- **First used as a political slogan:** on 7th August 1905 during the Swadeshi movement.
- On 24th January 1950, Constituent Assembly President Dr. Rajendra Prasad stated that Vande Mataram should be honoured equally with Jana Gana Mana and accorded equal status.