



November - 22

TNPSC BITS

- ❖ Venu Srinivasan, Chairman Emeritus of TVS Motor Company, received the CII Quality Ratna Award 2025.
- ❖ Science City Kolkata's climate change gallery, On the Edge, won the CIMUSET Award at the 27th ICOM General Conference in Dubai.
- ❖ Google has launched Gemini 3.0, a multimodal AI model that can process text, images, video, audio and code together.
- ❖ Karnataka launched KEO, an affordable AI-ready computer built with KEONICS and equipped with BUDDH, an AI tool based on the Karnataka DSERT syllabus for digital learning.
- ❖ The Indian Navy has unveiled the crest of INS Mahe, the first Mahe-class Anti-Submarine Warfare Shallow Water Craft, featuring the Urumi, a traditional Kerala sword symbolizing the state's martial heritage.
 - The ship's motto "Silent Hunters" denoting stealth and vigilance.
- ❖ The Government of India launched YUVA AI for ALL, a free national course to teach basic Artificial Intelligence (AI).
 - It is a self-paced course created by the Ministry of Electronics and Information Technology (MeitY).

TAMIL NADU NEWS

Menstrual Supplies Under PDS

- ❖ The Madras High Court asked the Tamil Nadu government to respond to a Public Interest Litigation (PIL) about supplying sanitary pads through ration shops.
- ❖ The PIL was about providing free or subsidised sanitary pads through the Public Distribution System (PDS).
- ❖ The petition said many women use unhygienic materials during their periods due to economic problems, a condition called period poverty.
- ❖ It requested that at least 25 disposable sanitary pads per month be provided to every family through fair price shops.
- ❖ The use of dirty cloth materials, papers, tissues, rags and leaves as a menstruation supply is known as 'period poverty'.

 <p>Madras High Court asked Tamil Nadu government to respond to a Public Interest Litigation (PIL) about supplying sanitary pads through ration shops.</p>	 <p>PIL about providing free or subsidised sanitary pads through the Public Distribution System (PDS)</p>
 <p>Petition: 'Perverity' – 'Many women use unhygienic materials dulus due economic problems</p>	 <p>Request: At least 25 disposable sanitary pads month to every family through through fair price shops</p>

NATIONAL NEWS

Timelines for decisions of the President and the Governor




உச்சநீதிமன்றம் அதிரடி தீர்ப்பு

மசோதா மீது முடிவெடுக்க குடியரசுத் தலைவர், ஆளுநர்களுக்கு காலக்கெடு விதிக்க முடியாது

தமிழ்நாடு வழக்கில் 2 நீதிபதிகள் அமர்வு பிறப்பித்த உத்தரவு அரசியலமைப்பிற்கு எதிரானது

மசோதாவுக்கு ஒப்புதல் அளிக்க ஒரு குறிப்பிட்ட ஒரு கால வரம்பை நிர்ணயிப்பது என்பது அரசியல் சாசனம் வழங்கியுள்ள நெலிவு களிவுகளுக்கு முரணாக உள்ளது

ஆளுநர்கள், குடியரசுத் தலைவர் மசோதாவிற்கு ஒப்புதல் அளிக்காத பட்சத்தில் உச்சநீதிமன்றம் சிறப்பு அதிகாரத்தை பயன்படுத்தி ஒப்புதல் அளிக்க முடியாது

மசோதாக்களுக்கு ஒப்புதல் அளிக்கும் விவகாரம் தொடர்பாக குடியரசுத் தலைவர் தொடந்த வழக்கில் உச்சநீதிமன்றம் அதிரடி தீர்ப்பு

- ❖ The Supreme Court on November 20 opined that, the constitutional courts can't prescribe the timelines for the President or governors while they decide on bills passed by state legislatures and "deemed assent" cannot be granted by the SC.

- ❖ SC is also calling such directions unconstitutional.
- ❖ The court delivered its unanimous opinion on a presidential reference that sought clarity on whether courts could mandate time-bound action under Articles 200 and 201.
- ❖ It was a constitution bench of Chief Justice B R Gavai and justices Surya Kant, Vikram Nath, P S Narasimha and A S Chandurkar.
- ❖ It was over the earlier directions issued by a two-judge bench in the Tamil Nadu case.
- ❖ The two-judge bench had fixed deadlines for governors when dealing with bills.
- ❖ The SC also noted that the two-judge bench's use of Article 142 to grant deemed assent to 10 Tamil Nadu bills was beyond its authority.

Earth System Sciences Council



- ❖ The Ministry of Earth Sciences created the Earth System Sciences Council to merge the following five institutes:
 - Indian Institute of Tropical Meteorology (IITM - Pune)
 - National Centre for Earth Science Studies (NCESS - Thiruvananthapuram)
 - National Institute of Ocean Technology (NIOT - Chennai)
 - National Centre for Polar and Ocean Research (NCPOR - Goa) and
 - Indian National Centre for Ocean Information Services (INCOIS - Hyderabad).
- ❖ The first General Body meeting reviewed how all these institutes will work together in a single governance system.



- ❖ The merger aims to improve efficiency and reduce administrative overlap across the Earth science institutes.
- ❖ Each institute will keep its identity while following the unified rules of the new Council.
- ❖ The Council is studying a plan to publish one combined annual report for all institutes.

Vanashakti Verdict Under Revision

- ❖ A Supreme Court Bench has reversed its May 2025 Vanashakti order that had stopped post-facto environmental clearances (EC).
- ❖ The Environment (Protection) Act 1986 and the 1994/2006 EIA (Environmental Impact Assessment) notifications require projects to get an EC before starting work.
- ❖ Earlier cases, such as Common Cause (2017) and Alembic Pharmaceuticals (2020), had held that post-facto ECs were not allowed where a prior EC was mandatory.
- ❖ The new decision allows a small space for post-facto “regularisation” when major resources are already used, usually with fines.
- ❖ The Court noted that the Environment Ministry must keep “EC first” as the main rule and use post-facto EC only in rare situations.

**Supreme Court
Recalls 'Vanashakti'
Judgment Which Barred
Grant Of Post-Facto
Environmental Clearances;
Justice Bhuyan
Dissents**

SCIENCE AND TECHNOLOGY NEWS

New Laser Drone Defense Systems

- ❖ India will induct 16 Integrated Drone Detection and Interdiction Systems (IDDS) developed by the Defence Research and Development Organisation (DRDO).

- ❖ The system uses a 10-kilowatt (kW) laser that can stop enemy drones at a range of 2 kilometres.
- ❖ It is part of DRDO's Direct Energy Weapons (DEW) programme under the Centre for High Energy Systems and Sciences (CHESS).
- ❖ The Mark-2 version can disable drone sensors and damage their structure.

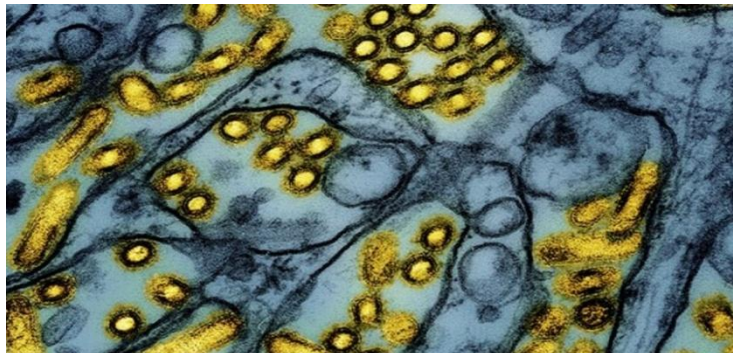
DEFENCE WITH NEW INDIGENOUS LASER GUARDIANS

**Indian Army & IAF to receive
16 fully indigenous anti-drone
systems**

**Capable of destroying enemy
UAVs with lasers up to 2 km
away**

**Built by DRDO, powered by
advanced, high-precision
Made-in-India technology**

H5N5 Human Infection Case – USA



**Washington reports
first U.S. case of new
H5N5 bird flu strain
in a human**

- ❖ The United States reported the world's first known human case of the H5N5 strain of avian influenza (bird flu).

- ❖ Tests first detected Influenza A H5, and later confirmed it as subtype H5N5.
- ❖ H5N5 had previously been found only in birds and animals, never in humans.
- ❖ Wild aquatic birds are natural reservoirs of Influenza A viruses.

ENVIRONMENT NEWS

Mutirão Strategy

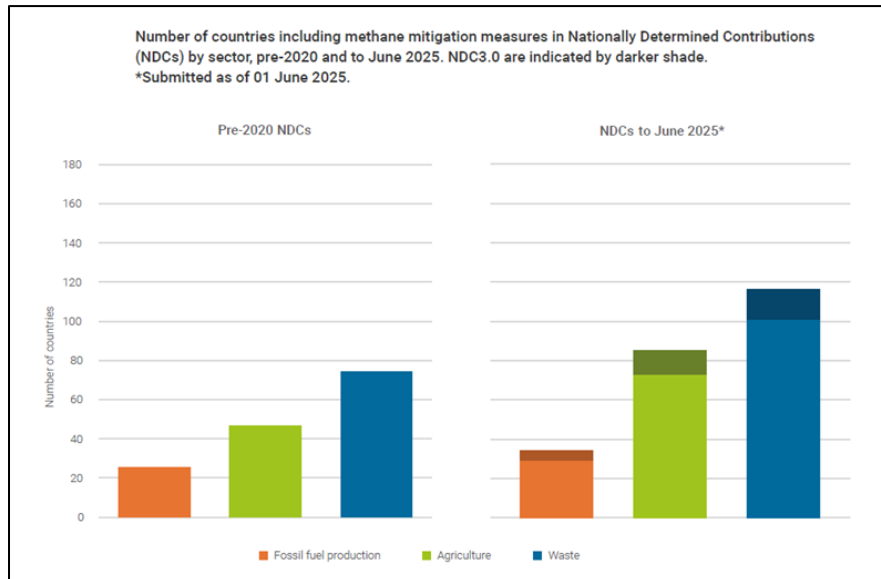


- ❖ Brazil used the mutirão model of collective mobilisation to speed up negotiations at COP30 in 2025.
- ❖ Countries were asked to complete major climate negotiation files by 21 November 2025.
- ❖ Priority topics included adaptation goals, mitigation work, just transition, and climate finance.
- ❖ The presidency targeted 18 November 2025 to finish core work for the Belém Package.
- ❖ Brazil stressed collective responsibility to finalise outcomes at a crucial stage of the United Nations climate process.
- ❖ COP30 held symbolic importance as it came ten years after the Paris Agreement.

UNEP Global Methane Report 2025

- ❖ The UN Environment Programme released the Global Methane Status Report 2025 during COP30.
- ❖ The report states that global methane emissions were about 352 million tonnes in 2020.

- ❖ Emissions are projected to rise to 369 million tonnes by 2030 under current policies.
- ❖ Agriculture contributes about 42 % of global methane emissions.
- ❖ Current national pledges can cut emissions by 8 per cent below 2020 levels by 2030.
- ❖ Implementing all available reduction options can lower emissions by about 32 per cent by 2030, in line with the Global Methane Pledge goal.



Cambodia in Climate Treaty

Earlier today, at a High-Level Ministerial event as part of the COP30 Action Agenda in Belém, **Cambodia announced that it is joining the growing bloc of countries** participating in the development of a Fossil Fuel Treaty. It is **the second country in South East Asia to join the initiative, after Timor Leste.**

- ❖ Cambodia announced its support for the Fossil Fuel Non-Proliferation Treaty Initiative at the UN Climate Conference COP30 in Belem, Brazil.

- ❖ With Cambodia joining in it, the total number of countries supporting the treaty increased to 18.
- ❖ The initiative aims to create a global legal plan to phase out coal, oil and gas.
- ❖ Ten more countries, including Sri Lanka and Nepal, are currently informal observers to the initiative.

New Climate Governance Platform - TRST01

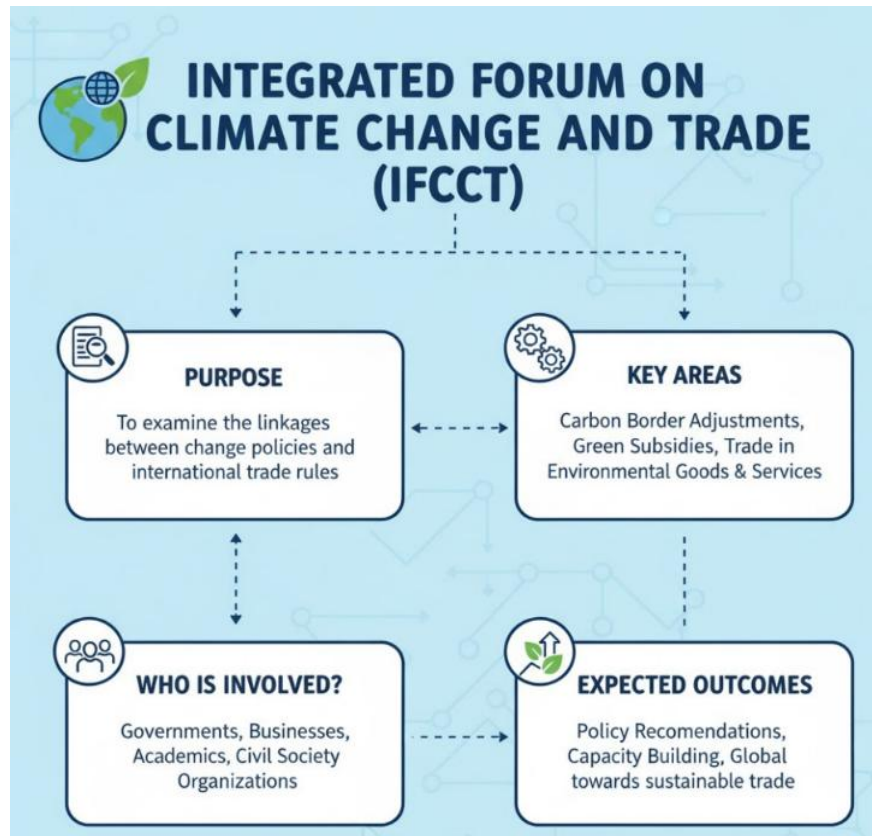
- ❖ TRST01 has launched the Paris Agreement Integrated Platform (PAIP) at COP30 in Brazil.
- ❖ PAIP uses Artificial Intelligence (AI) and blockchain to track and verify emissions data.
- ❖ It connects all steps of emissions work, such as inventories, validation and the carbon credit retirement.
- ❖ Malawi became the first country to use the platform in its new Environmental Treasury.
- ❖ The system includes AI tools, smart contracts, satellite analytics and machine learning.
- ❖ PAIP supports Article 6 implementation under the Paris Agreement by improving transparency and reporting.



IFCCT Forum

- ❖ The Integrated Forum on Climate Change and Trade (IFCCT) was launched at COP30 in Belém, Brazil.

- ❖ IFCCT is a global platform that discusses climate policies and international trade without any formal negotiations.
- ❖ It aims to help countries address issues like carbon border adjustment measures (CBAM), green subsidies and supply-chain changes.
- ❖ IFCCT helps countries understand and manage climate-related trade measures.



REPORTS AND INDICES

Climate Change Performance Index 2026

- ❖ The Climate Change Performance Index (CCPI) 2026 was released at the United Nations (UN) COP30 Summit in Brazil.
- ❖ Denmark was ranked highest at 4th place with 80.52 points, while the top three positions remained vacant.
- ❖ Saudi Arabia ranked last at 67th position with 11.9 points.
- ❖ India fell 13 places from 10th to 23rd position with a score of 61.31.
- ❖ India was rated “medium” in greenhouse gas (GHG) emissions, climate policy, and energy use.

- ❖ India scored “low” in renewable energy performance as per the report by Germanwatch, New Climate Institute, and Climate Action Network.



STATES' NEWS

Gig and Platform Workers Draft Bill

OVER 3 LAKH GIG WORKERS

- Cabinet approval sought for multi-stakeholder social security & welfare board
- The 20-member board will have representatives from govt, platform companies, workers, civil society, & technical experts
- It would have a tenure of three years and will be based in Hyd



- Board to be responsible for rule-making & framing operational guidelines

- ❖ The Telangana Cabinet approved the Gig and Platform Workers Draft Bill 2025.



- ❖ It creates a Social Security and Welfare Board to oversee worker welfare and ensure transparent payments.
- ❖ Platforms must share worker data within 60 days, and workers can self-register to access State schemes.
- ❖ A welfare fund will be formed using government contributions, company Corporate Social Responsibility (CSR) funds and aggregator fees.
- ❖ The Act also provides grievance redressal systems and penalties for platforms that violate the rules.

Partner Country for Hornbill Festival 2025

- ❖ The United Kingdom is selected as the Country Partner for the Hornbill Festival 2025 in Nagaland.
- ❖ The festival will be held from 1 to 10 December at Kisama Heritage Village in Kohima.
- ❖ It celebrates and preserves Nagaland's rich tribal heritage through a vibrant blend of traditional and contemporary cultural events.
- ❖ The festival is also known as the "Festival of Festivals".



IMPORTANT DAYS

World Day of Remembrance for Road Traffic Victims 2025 – November 16

- ❖ The day aims to remember people killed or seriously injured in road crashes and honour the work of emergency services.
- ❖ The UN declared the Decade of Action for Road Safety 2021–2030 to reduce road deaths and injuries by 50% by 2030.
- ❖ The theme for 2025 is "Remember. Support. Act".

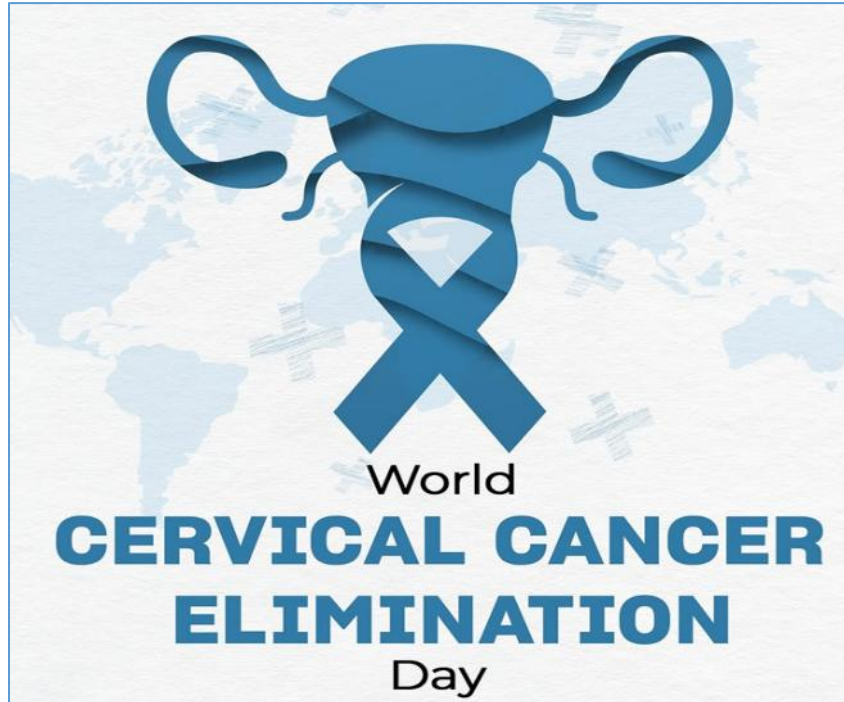


International Day for Tolerance 2025 - November 16

- ❖ The day marks the adoption of the Declaration of Principles on Tolerance by UNESCO in 1995.
- ❖ The day aims to promote respect, understanding, and peaceful coexistence among people.
- ❖ UNESCO also awards the Madanjeet Singh Prize to honour efforts promoting tolerance and non-violence.
- ❖ The theme for 2025 is "Promoting Respect and Understanding Worldwide."



World Cervical Cancer Elimination Day 2025 – 17 November 2025



- ❖ The first-ever World Cervical Cancer Elimination Day will be observed in the year 2025.
- ❖ The day aims to promote global action to eliminate cervical cancer.
- ❖ The day was officially declared by the Seventy-eighth World Health Assembly (WHA78.8).
- ❖ It builds on the 2020 commitment by 194 countries to end cervical cancer.
- ❖ The theme for 2025 is “Act Now: Eliminate Cervical Cancer”.
- ❖ The global targets aim for 90% vaccination, 70% screening, and 90% treatment by 2030.

MISCELLANEOUS NEWS

Word of the Year 2025 – Parasocial

- ❖ The Cambridge Dictionary selected “parasocial” as its Word of the Year for 2025.
- ❖ “Parasocial” means a one-sided emotional bond someone feels with a public figure or an artificial intelligence (AI) system.
- ❖ The term was first coined in 1956 by Donald Horton and Richard Wohl.
- ❖ The word reflects growing interest in online behaviour and digital relationships.



The Cambridge Dictionary

Word of the Year 2025 is...

parasocial

adjective

involving or relating to a connection that someone feels between themselves and a famous person they do not know, a character in a book, film, TV series, etc., or an artificial intelligence

