



November - 29

TNPSC BITS

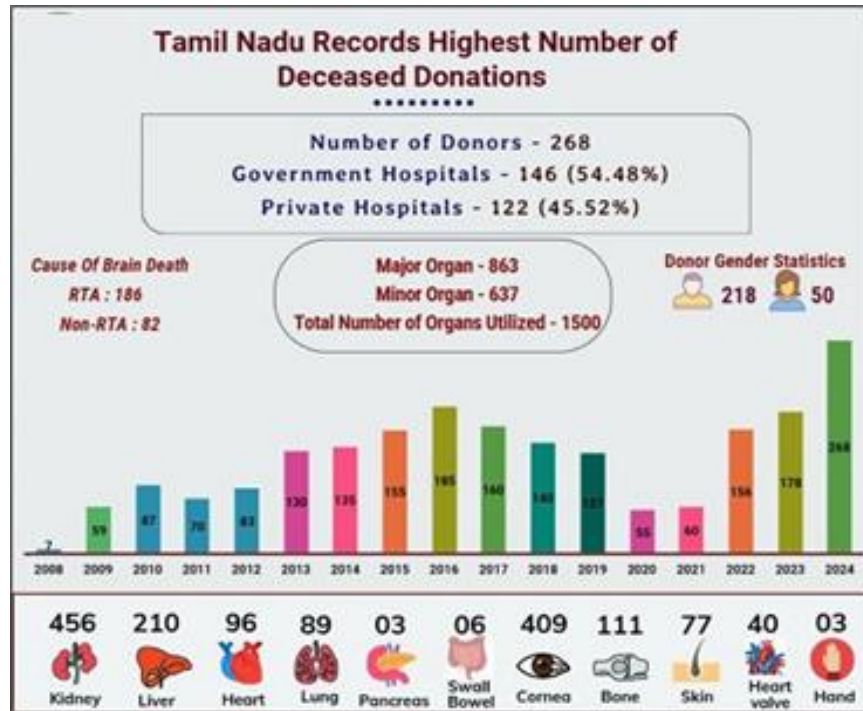
- ❖ Researchers at IIT Madras have developed and deployed India's First Indigenous Vessel Traffic Management System (VTMS) for ports.
 - VTMS is a software to determine vessel positions, meteorological hazard warnings and manages the traffic within a port or waterways.
- ❖ A bust of Dr. Babasaheb Ambedkar was recently unveiled at the UNESCO Headquarters in Paris.
- ❖ 141 years old Gramma the Galápagos Tortoise died recently.
 - It is belonged to one of the 15 subspecies of Galápagos tortoises (Galápagos Islands - Archipelago in Ecuador).
- ❖ Jammie Booker won the 2025 World's Strongest Woman title in Arlington, Texas, USA.
- ❖ India hosted the second Regional Open Digital Health Summit (RODHS) 2025 in New Delhi.
- ❖ Prime Minister of India inaugurated the Safran Aircraft Engine Services India (SAESI) facility in Hyderabad, Telangana.
- ❖ Prime Minister unveiled a 77-feet-tall bronze statue of Lord Ram at Shree Samsthan Gokarn Jeevottam Mutt in South Goa district.
- ❖ The 5th Khelo India University Games started in Jaipur, Rajasthan.
- ❖ On 24 November, the 2nd UN World Conjoined Twins Day celebrates courage and calls for support for children with disabilities.
 - The theme for 2025 is "From Words to Action: A world fit for Conjoined Twins and Children with Disabilities".

TAMIL NADU NEWS

Tamil Nadu Deceased Donors 2024

- ❖ Tamil Nadu has recorded 240 deceased donors so far in 2024.
- ❖ In 2024, Tamil Nadu recorded 268 deceased donors, the highest ever for the State.
- ❖ India had a total of 1,128 deceased donors in 2024.
- ❖ Five States contributed 80% of deceased donors: Tamil Nadu (268), Telangana (188), Maharashtra (172), Karnataka (162), and Gujarat (119).

- ❖ A total of 1,446 organs and tissues were transplanted in Tamil Nadu in 2024.
- ❖ The Transplant Authority of Tamil Nadu (TRANSTAN) manages the organ donation program and maintains a transparent organ allocation policy.



Pollan Memorial in Erode

- ❖ Tamil Nadu CM MK Stalin inaugurated the memorial featuring the full-size statue of the 18th-century freedom fighter Pollan in Jayaramapuram, Modakurichi in the Erode district
- ❖ Pollan was a trusted commander of the freedom fighter Dheeran Chinnamalai, who fought against the British.
- ❖ Pollan served in Dheeran's military and intelligence forces.
- ❖ He aided Dheeran Chinnamalai to defeat the British in three battles: the Battle along the Cauvery River bank in Bhavani in 1801, the Battle of Chennimalai in 1802, and the Battle of Arachalur in 1803.
- ❖ Colonel Harris planned to capture Dheeran Chinnamalai in Odanilai Fort.
- ❖ However, Pollan had passed on the information to Dheeran earlier and advised him to escape the Fort.
- ❖ Embroiled after finding Pollan's involvement in the intelligence, Colonel Harris ordered for his arrest.

- ❖ After a long search, he was shot dead by Colonel Harris and the British Army on the first day of the Tamil month Aadi in 1805 at Jayaramapuram near the Odanilai Fort.

மாவீரன் பொல்லான் அரங்கம் திறப்பு

விடுதலை வீரர் தீரன் சின்னமலையின் நம்பிக்கைக்குரிய படைத்தளபதியான மாவீரன் பொல்லான் முழு உருவச் சிலை

ஈரோடு: மொடக்குறிச்சி, ஜெயராமபுரத்தில் ரூ.4.90 கோடியில் கட்டப்பட்டுள்ள மாவீரன் பொல்லான் சிலையுடன் கூடிய அரங்கத்தை திறந்து வைத்தார் முதலமைச்சர் மு.க.ஸ்டாலின்



NATIONAL NEWS

Rare Earth Permanent Magnet Manufacturing

SCHEME TO PROMOTE MANUFACTURING OF SINTERED RARE EARTH PERMANENT MAGNETS

- Cabinet approves the Scheme to Promote Manufacturing of Sintered Rare Earth Permanent Magnets (REPM)
- Financial Outlay: ₹ 7280 crore
- First-of-its-kind initiative by the Government of India to promote REPM ecosystem, enhancing self-reliance and positioning India as a key player in the global REPM market
- India's consumption of REPMs expected to double by 2030 from 2025

- ❖ The Union Cabinet approved a ₹7,280 crore scheme to make Sintered Rare Earth Permanent Magnets (REPM).

- ❖ This is the first-of-its-kind scheme in India to build a full REPM ecosystem.
- ❖ The plan will set up 6,000 Metric Tons per Annum (MTPA) of integrated REPM manufacturing.
- ❖ REPMs are strong magnets used in electric vehicles, renewable energy, electronics, aerospace, and defence.
- ❖ The scheme offers ₹6,450 crore in sales-linked incentives and ₹750 crore as capital subsidy.
- ❖ The scheme will run for 7 years and supports Atmanirbhar Bharat (self-reliant India) and the Net Zero 2070 goal.

Bharat NCAP 2.0



- ❖ Bharat NCAP (New Car Assessment Programme) 2.0 is a revised vehicle safety rating programme for cars sold in India.
- ❖ It was launched by the Ministry of Road Transport and Highways (MoRTH) to update the 2023 Bharat NCAP guidelines.
- ❖ Testing and certification are done by the Central Institute of Road Transport (CIRT), Pune.
- ❖ The programme evaluates crashworthiness, accident-avoidance technologies, and pedestrian/vulnerable road user safety.

- ❖ Five assessment verticals include Safe Driving, Accident Avoidance, Crash Protection, Vulnerable Road User Protection, and Post-Crash Safety.
- ❖ The scheme aims to improve pedestrian safety and help India reduce road fatalities by 50% by 2030.

Nayi Chetna 4.0

- ❖ The 4th edition of the Women's Empowerment Campaign "Nayi Chetna – Initiative for Change" was launched.
- ❖ The campaign is organised under the Ministry of Rural Development's DAY-NRLM (Deendayal Antyodaya Yojana – National Rural Livelihood Mission).
- ❖ It will run across all states and union territories in India until December 23, 2025.
- ❖ The campaign promotes violence-free villages, safe mobility for women, awareness against substance abuse, and recognition of women's economic contributions.



Capital Gains Accounts (Second Amendment) Scheme, 2025

- ❖ The amendment updates the Capital Gains Account Scheme (CGAS), 1988, to modernize and digitize its processes.
- ❖ It adds Section 54GA (capital gains from shifting industries to Special Economic Zones) along with Sections 54, 54B, 54D, 54F, 54G, and 54GB (capital gains exemption sections).
- ❖ The definition of a Deposit Office now includes all authorized banks, and any bank under the Banking Regulation Act-1949, notified by the government.
- ❖ New digital payment modes like UPI, Immediate Payment Service (IMPS), National Electronic Funds Transfer (NEFT), Real-Time Gross Settlement (RTGS), net banking, and credit/debit cards are now allowed.

- ❖ Electronic passbooks and digital account statements are permitted for deposits, withdrawals, and transfers.
- ❖ From 1 April 2027, account closure must be done online using a Digital Signature or an Electronic Verification Code (EVC).



INTERNATIONAL NEWS

G20 Johannesburg Summit 2025



- ❖ The 20th G20 Leaders' Summit was held in Johannesburg, South Africa, for the first time on the African continent.
- ❖ The US President boycotted the summit due to political disagreements with the South African presidency.

- ❖ The Leaders adopted a declaration based on Ubuntu principles, emphasizing interconnectedness and multilateral cooperation.
- ❖ A 25th seat on the International Monetary Fund (IMF) Executive Board was created for Sub-Saharan Africa.
- ❖ The summit launched Mission 300 to provide electricity to 300 million Africans by 2030.
- ❖ The G20 Critical Minerals Framework was introduced to ensure stable supply chains and promote local processing.
- ❖ The summit reaffirmed the Right to Food and condemned starvation as a weapon of war.
- ❖ The AI for Africa Initiative was launched to share technology and ensure ethical AI use.
- ❖ Youth employment and gender equality targets were set: reduce NEET (Not in Employment, Education, or Training) by 5% and reduce the gender gap in labour participation by 25% by 2030.
- ❖ The summit called for United Nations Security Council reform to better represent underrepresented regions.

Same Sex Marriage Recognition - EU court



- ❖ The EU Court of Justice ruled same-sex marriages must be recognised across all EU member states.

- ❖ The ruling arose after Poland refused to register a marriage between two Polish citizens performed in Germany.
- ❖ Denying recognition violates the freedom to move and the right to private and family life.
- ❖ EU citizens can pursue a “normal family life” in a host state and upon returning home.
- ❖ Member states cannot discriminate against same-sex couples when recognising foreign marriages.

Polio Free - Indonesia



- ❖ The World Health Organisation (WHO) declared Indonesia free from poliovirus type 2.
- ❖ Poliovirus is a highly infectious virus that can cause paralysis and sometimes death, mostly affecting children under five years old.
- ❖ No poliovirus was detected in children or the environment since June 2024.
- ❖ The outbreak began in October 2022 in Aceh and spread to multiple provinces, with the last case reported on June 27, 2024.
- ❖ Vaccination coverage improved, with children receiving the second dose of Inactivated Polio Vaccine (IPV) rising from 63% in 2023 to 73% in 2024.

- ❖ Indonesia introduced the hexavalent vaccine combining DPT-HB-Hib (Diphtheria, Pertussis, Tetanus, Hepatitis B, Haemophilus influenzae type B) and IPV (Inactivated Polio Vaccine), offering protection against six diseases in a single shot.

SCIENCE AND TECHNOLOGY NEWS

Gavi-UNICEF Malaria Vaccine Deal

- ❖ Gavi and UNICEF (United Nations Children's Fund) signed an agreement to make R21/Matrix-M malaria vaccines more accessible.
- ❖ The deal will save up to \$90 million, providing over 30 million extra doses for nearly 7 million more children in five years.
- ❖ WHO prequalified R21/Matrix-M and RTS, S/AS01, both reducing malaria cases by 50–75% in high-risk children.
- ❖ Over 40 million doses have been delivered through Gavi's malaria vaccination programme in 24 African countries, covering 70% of the global malaria burden.



UNICEF, Gavi deal slashes malaria vaccine price to \$2.99 per dose

STATES' NEWS

Assam Anti-Polygamy Bill 2025

- ❖ The Assam Assembly tabled the Assam Prohibition of Polygamy Bill, 2025.

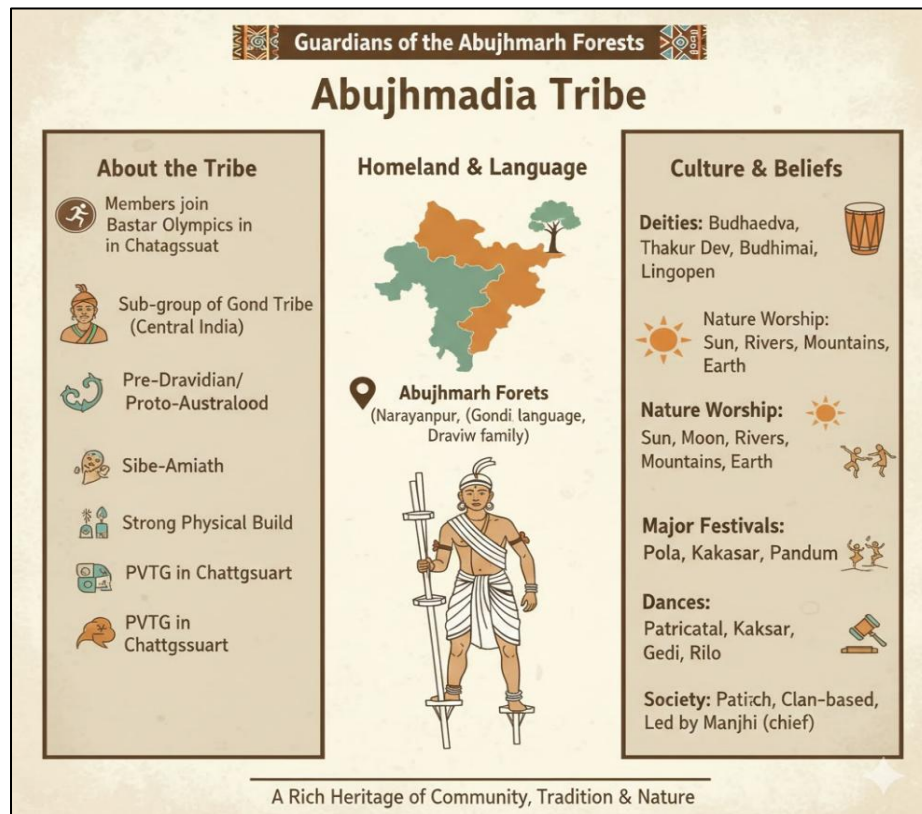
- ❖ The Bill makes polygamy a criminal offence with up to seven years in jail and a fine, and up to 10 years if an existing marriage is hidden.
- ❖ Punishment doubles for repeat offenders.
- ❖ The law applies to residents of Assam, those marrying outside Assam, and non-residents with property or benefits in the State.
- ❖ The Bill excludes Sixth Schedule areas and Scheduled Tribes under Article 342 of the Constitution.
- ❖ Priests, village heads, parents, and legal guardians involved in polygamy can also be punished, including fines up to ₹1.5 lakh.



Abujhmadiya Tribe

- ❖ The Abujhmadiya tribe's members are joining the Bastar Olympics sports tournament.
- ❖ The Bastar Olympics are held in Chhattisgarh.
- ❖ The Abujhmadiya tribe is a sub-group of the Gond tribe of Central India.
- ❖ They belong to the Pre-Dravidian or Proto-Australoid racial group and have a strong physical build.

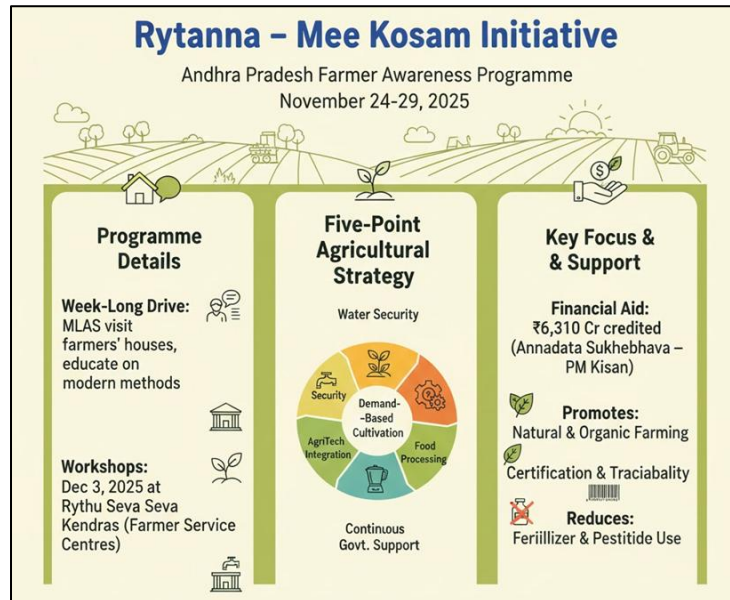
- ❖ They live in the Abujhmarh forests spread across Narayanpur, Bijapur, and Dantewada districts of Chhattisgarh.
- ❖ They are one of the 7 Particularly Vulnerable Tribal Groups (PVTGs) in Chhattisgarh.
- ❖ They speak Madi, a local form of the Gond language from the Dravidian family.
- ❖ Their main deities include Budhadeva, Thakur Dev, Budhimai, and Lingopen.
- ❖ They worship nature, such as the Sun, Moon, rivers, mountains, and Earth.
- ❖ Their major festivals are Pola, Kakasar, and Pandum, and they enjoy dances like Kaksar, Gedi, and Rilo.
- ❖ Their society is patriarchal, follows clan (gotra) divisions, and is guided by a traditional panchayat led by a Manjhi (chief).



‘Rytanna – Mee Kosam’ initiative

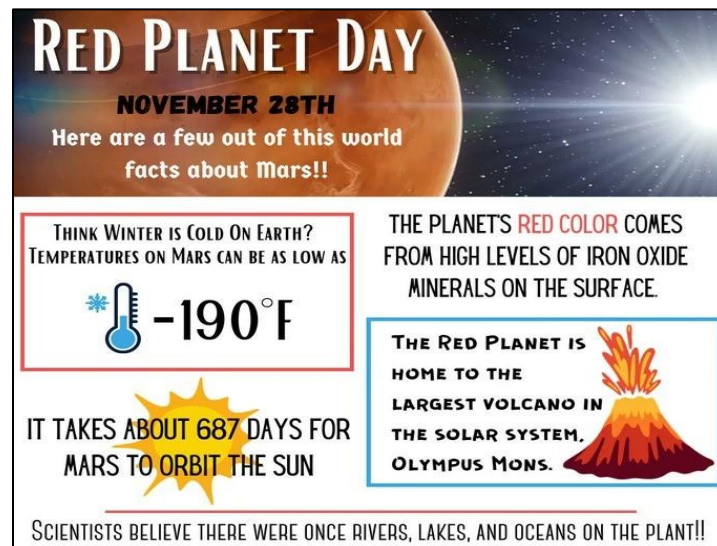
- ❖ Andhra Pradesh is running a week-long farmer awareness programme titled ‘Rytanna – Mee Kosam’ from November 24 to 29, 2025.
- ❖ The drive involves visits by MLAs to farmers’ houses to educate them on modern cultivation methods.

- ❖ Workshops will be conducted at Rythu Seva Kendras (Farmer Service Centres) on December 3, 2025.
- ❖ The programme is guided by a five-point agricultural strategy: water security, demand-based cultivation, agritech integration, food processing, and continuous government support.




IMPORTANT DAYS

Red Planet Day 2025 - November 28



RED PLANET DAY
NOVEMBER 28TH
Here are a few out of this world facts about Mars!!

THINK WINTER IS COLD ON EARTH?
TEMPERATURES ON MARS CAN BE AS LOW AS

 **-190°F**

IT TAKES ABOUT 687 DAYS FOR MARS TO ORBIT THE SUN

THE PLANET'S RED COLOR COMES FROM HIGH LEVELS OF IRON OXIDE MINERALS ON THE SURFACE.

THE RED PLANET IS HOME TO THE LARGEST VOLCANO IN THE SOLAR SYSTEM, OLYMPUS MONS.

SCIENTISTS BELIEVE THERE WERE ONCE RIVERS, LAKES, AND OCEANS ON THE PLANET!!

- ❖ It commemorates the launch of the United States spacecraft Mariner 4 by NASA in 1964.

- ❖ The spacecraft was the first to take close-up photographs of Mars.
- ❖ Mars has varied terrain, including canyons, volcanoes, deserts, polar ice caps, and seasons.
- ❖ A year on Mars lasts 687 Earth days.
- ❖ Mars has a thin atmosphere, mostly of carbon dioxide.
- ❖ Gravity on Mars is about one-third of Earth's gravity.
- ❖ Mars is about half the size of Earth and is called the Red Planet because of iron oxide on its surface.

International Day of Solidarity with the Palestinian People 2025 - November 29

- ❖ The day was established by the United Nations General Assembly in 1977.
- ❖ It marks the anniversary of the UN General Assembly's 1947 resolution recommending the partition of Palestine.
- ❖ The day aims to highlight the ongoing struggle of the Palestinian people for their rights and self-determination.



MISCELLANEOUS NEWS

Oxford's Word of the Year Shortlist 2025

- ❖ The 2025 Oxford Word of the Year shortlist includes Aura Farming, Biohack, and Rage Bait.

- ❖ Aura Farming is a noun that means cultivating an attractive or charismatic public image.
- ❖ Biohack is a verb that means improving physical or mental performance through lifestyle, diet, exercise, or technology.
- ❖ Rage Bait is a noun that means online content deliberately designed to provoke anger or outrage.



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