

September - 17

TNPSC BITS

- ❖ Tiwa tribesmen in Umsowai village Karbi Anglong district Assam, celebrated the Langkhun festival 2025 as a festive prayer for a good Rabi crop season.
- ❖ The Indian Army conducted Exercise Siyom Prahar to validate the use of drone technology in modern tactical operations in Arunachal Pradesh.
- ❖ Prime Minister inaugurated Mizoram's first railway line, the Bairabi-Sairang broad-gauge project, which enhances the state's connectivity.

TAMIL NADU NEWS

Anbu Karangal scheme

தாயுமானவரின் "அன்பு கரங்கள்" திட்டம்

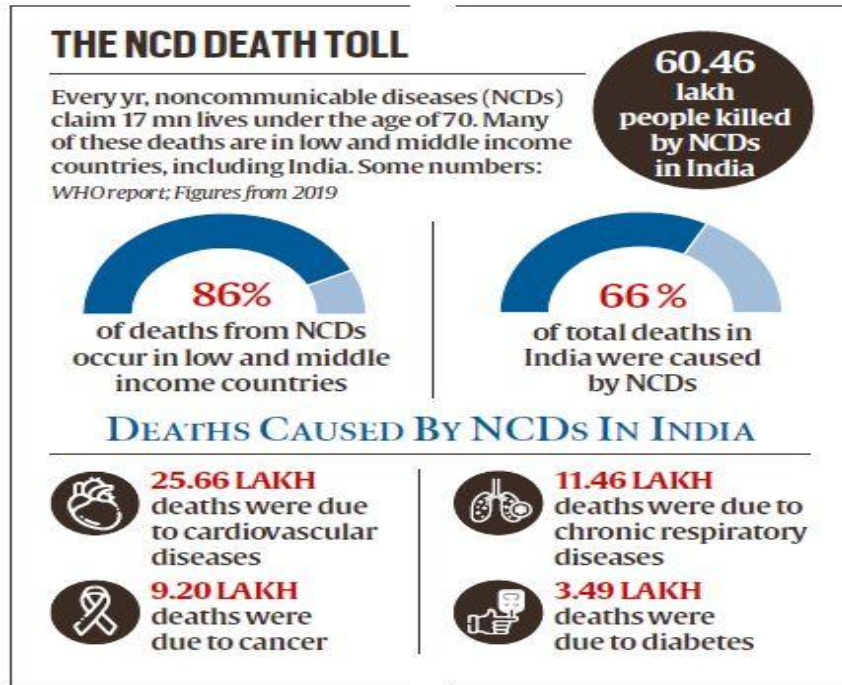
- ஆதரவற்ற குழந்தைகள் (பெற்றோர் இருவரையும் இழந்தவர்கள்/பெற்றோர் இருவரால் கைவிடப்பட்டவர்கள்).
- கைவிடப்பட்ட குழந்தைகள் (பெற்றோரில் ஒருவர் இறந்து, மற்றொரு பெற்றோர் குழந்தையை கைவிட்டுச் சென்று இருப்பின்).
- ஆதரவு தேவைப்படும் குழந்தைகள் (பெற்றோரில் ஒருவர் இறந்து/ பெற்றோர் ஒருவரால் கைவிடப்பட்டு, மற்றொரு பெற்றோர் உடல் ரீதியாவும், மன ரீதியாகவும் பாதிக்கப்பட்டவராக இருந்தால்).
- ஆதரவு தேவைப்படும் குழந்தைகள் (பெற்றோரில் ஒருவர் இறந்து / பெற்றோர் ஒருவரால் கைவிடப்பட்டு, மற்றொரு பெற்றோர் சிறையில் இருந்தால்)
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என 18 வயது வரையிலானவர்களுக்கு
**இத்திட்டத்தின் கீழ் மாதந்தோறும்
ரூ. 2000 வழங்கப்படும்.**

- ❖ The Anbu Karangal scheme was launched by the Tamil Nadu government to support orphaned and vulnerable children.
- ❖ It aims to help children from poor economic backgrounds continue their schooling and higher education.
- ❖ The scheme provides ₹2,000 per month as educational assistance to eligible children.
- ❖ It covers children who have lost both parents or one parent and have no proper support from the surviving parent.
- ❖ Assistance is provided until the child reaches the age of 18 years.

NATIONAL NEWS

Non-Communicable Disease Deaths 2010-2019



- ❖ The Lancet study showed an increase in deaths from non-communicable diseases in India between 2010 and 2019.
- ❖ The study analysed mortality trends before the COVID-19 pandemic in 185 countries.
- ❖ For Indian women, the probability of dying from a non-communicable disease was 46.7% in 2001.
- ❖ The probability remained at 46.6% in 2011 and rose to 48.7% in 2019 for Indian women.
- ❖ This rise was linked to worsening mortality rates from major causes except liver cirrhosis, chronic obstructive pulmonary disease, and other residual conditions.
- ❖ Among Indian men, the increase in non-communicable disease mortality was smaller compared to women.
- ❖ Improvements in diagnosis and treatment for conditions like chronic obstructive pulmonary disease, ischaemic heart disease, and liver cirrhosis helped reduce the impact on Indian men.
- ❖ Between 2010 and 2019, death rates from non-communicable diseases declined in 152 countries for women and 147 countries for men.
- ❖ These countries accounted for 82% of the global female population and 79% of the male population.

- ❖ All high-income Western countries saw a decline, with Denmark showing the best improvement and the United States the least.
- ❖ Large countries like China, Egypt, Nigeria, Russia, and Brazil recorded reductions for both men and women.
- ❖ India and Papua New Guinea were among the few countries where mortality from non-communicable diseases rose in both sexes.
- ❖ Between 2010 and 2019, 41% of countries for women and 39% for men showed greater improvement than in the previous decade.

Gyan Bharatam Portal



The infographic is divided into two main sections. The left section, titled 'Gyan Bharatam Mission', lists three key points: it is a national initiative to preserve, digitise & disseminate India's vast manuscript heritage; ₹482.85 crore is allocated for a period of 2024-31; and 44.07 lakh+ manuscripts have been documented in the Kriti Sampada digital repository. Below this text is an image of a hand holding a stack of old manuscripts. The right section, also titled 'Gyan Bharatam Mission', features an image of a stack of old manuscripts at the top. Below it, under the heading 'Objectives', are three bullet points: 1. Identification & Documentation: A nationwide network of Manuscript Resource Centres to be established. 2. Conservation & Restoration: Through strengthened Manuscript Conservation Centres, manuscripts to be safeguarded using preventive & curative conservation methods. 3. Research, Translation & Publication: Rare & unpublished manuscripts to be revived.

Gyan Bharatam Mission

- A national initiative to preserve, digitise & disseminate India's vast manuscript heritage
- ₹482.85 crore allocated for a period of 2024-31
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Gyan Bharatam Mission

Objectives

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- ❖ Prime Minister launched the Gyan Bharatam Portal, a digital platform dedicated to manuscript digitization, preservation, and public access.
- ❖ India holds the world's largest collection of approximately one crore manuscripts.
- ❖ This Mission aims to become the voice of India's culture, literature, and consciousness.
- ❖ Global cultural and creative industries are valued at \$2.5 trillion, and digitized manuscripts can contribute significantly to this sector.

Jan Aushadhi Kendras Expansion

- ❖ The central government has removed the minimum-distance rule for Jan Aushadhi Kendras in seven metropolitan cities.
- ❖ The cities are Delhi, Mumbai, Kolkata, Chennai, Bengaluru, Hyderabad, and Ahmedabad.

- ❖ The new rule also applies to 46 cities with over one million population as per the 2011 Census.
- ❖ In such cities, the one-kilometre distance rule will apply only if an existing Kendra is less than two years old.
- ❖ Jan Aushadhi Kendras under the Pradhan Mantri Bhartiya Janaushadhi Pariyojana (PMBJP) offer generic medicines at affordable prices.
- ❖ There are currently more than 11,000 Jan Aushadhi Kendras operating across India.



Special Courts expansion



- ❖ The Centre informed the Supreme Court that it will hold a high-level meeting with States and law enforcement agencies to discuss the creation of more exclusive special courts.

- ❖ The aim is to ensure speedy trials under special laws like the NIA Act and UAPA, which are delayed due to heavy pendency in regular courts.
- ❖ The Supreme Court stated that trial proceedings under special statutes cannot be indefinitely delayed.
- ❖ Only 3 out of 52 designated courts are currently functioning exclusively for NIA cases, the Centre revealed.
- ❖ The Court warned that undertrials in NIA cases may have to be released on bail if trials are not conducted promptly.
- ❖ The SC emphasized that without exclusive courts and infrastructure, indefinite custody without trial is not acceptable.

INTERNATIONAL NEWS

44th SCO RATS Council

- ❖ The 44th meeting of the Regional Anti-Terrorist Structure (RATS) of the Shanghai Cooperation Organisation was held in Cholpon Ata, Kyrgyz Republic.
- ❖ The Council strongly condemned the recent terror attack in Pahalgam and endorsed its condemnation in the Tianjin Declaration.
- ❖ The meeting was chaired by the Kyrgyz Republic.



Two-State Solution for Palestine 2025

- ❖ India voted in favour of a UNGA resolution endorsing the two-state solution for Palestine.

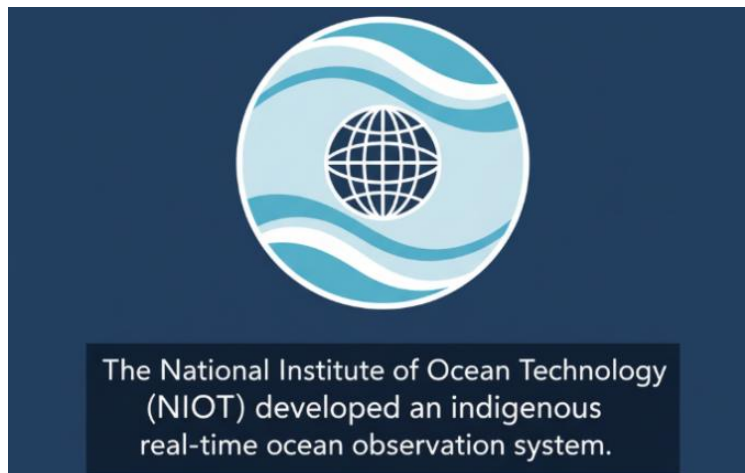


- ❖ The resolution was adopted with 142 nations in favour, 10 against, and 12 abstentions.
- ❖ The New York Declaration calls for ending the war in Gaza and achieving a just settlement of the Israeli-Palestinian conflict.
- ❖ Israel is urged to end violence, settlement expansion, and annexation in the occupied Palestinian territory.
- ❖ The resolution reaffirms support for Palestinian self-determination and the unification of Gaza with the West Bank.



SCIENCE AND TECHNOLOGY NEWS

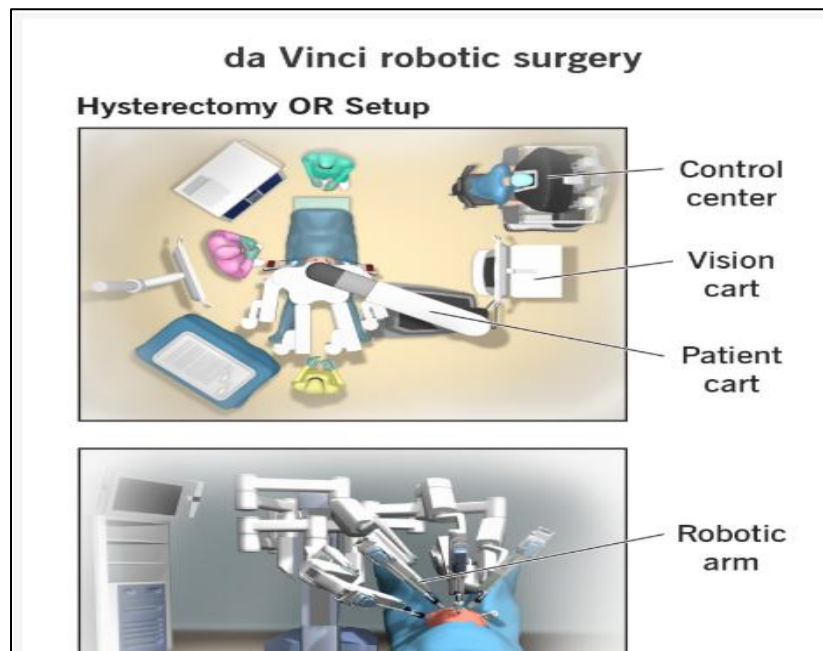
Real-Time Ocean Observation System



- ❖ The National Institute of Ocean Technology (NIOT), Chennai, has developed an indigenous real-time ocean observation system.
- ❖ The system is designed for fishing boats and can collect ocean data such as water temperature, salinity, and depth.
- ❖ The system can be deployed in shallow waters and estuaries without disturbing the ocean floor due to an onboard bathymetric device.

Da Vinci robotic surgical system

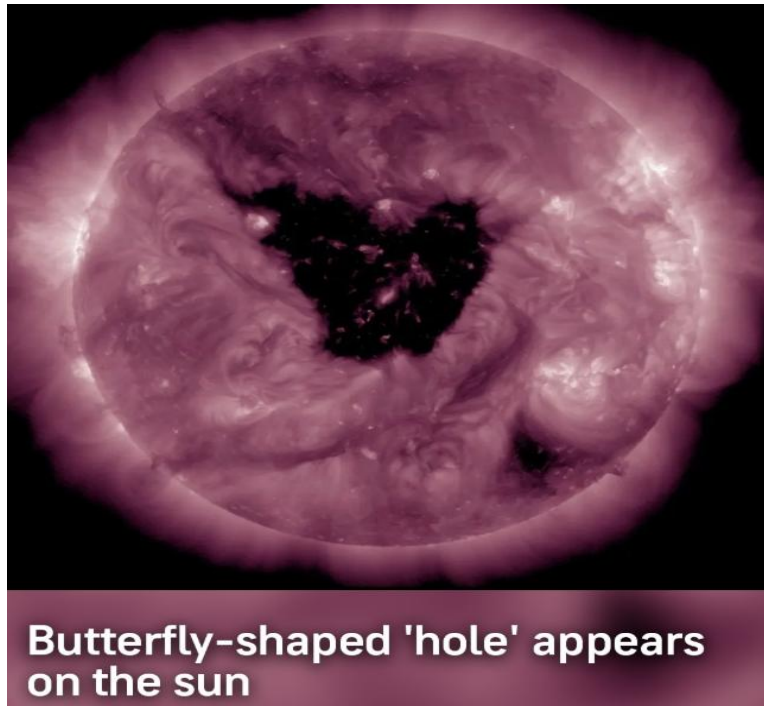
- ❖ AIIMS New Delhi became the first government medical college in India to train on the da Vinci robotic surgical system.
- ❖ The da Vinci Surgical Robot was inaugurated at the Skills, E-Learning and Telemedicine (SET) facility of AIIMS.
- ❖ The robotic platform was provided by Intuitive Surgical.
- ❖ AIIMS is the only institution in India with two robotic systems dedicated solely to training.
- ❖ Robotic surgery training will cover specialties such as urology, gynaecology, general surgery, surgical oncology, and head and neck surgery.



Butterfly-Shaped Coronal Hole

- ❖ NASA's Solar Dynamics Observatory photographed a 5,00,000-kilometre-wide butterfly-shaped coronal hole on the Sun on September 11, 2025.

- ❖ Coronal holes are regions where the Sun's magnetic fields open, allowing solar wind to escape into space.
- ❖ The solar wind from this coronal hole is projected to reach Earth around September 14, 2025.
- ❖ The event's timing near the equinox increases geomagnetic risk due to the Russell-McPherron effect.
- ❖ These storms could potentially affect satellite operations and other technological systems on Earth.



Isobutanol Blend with Diesel

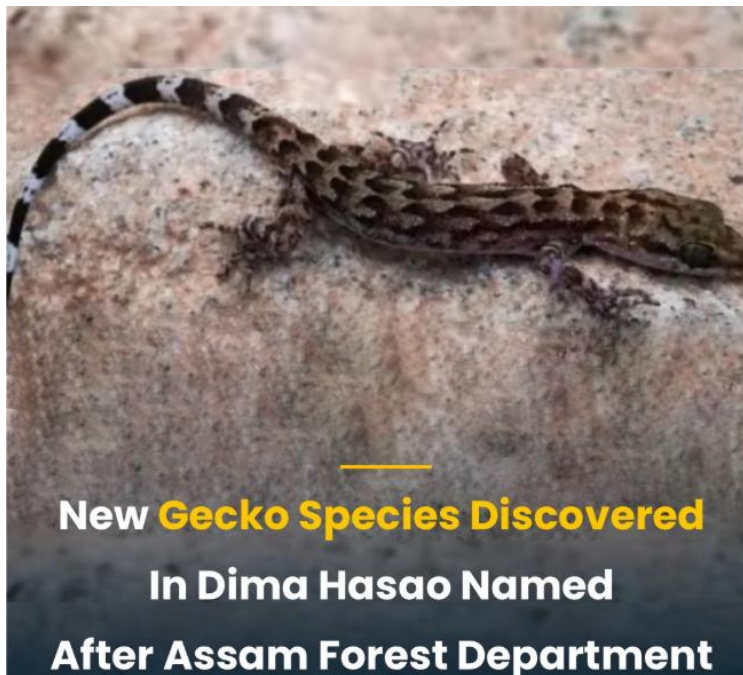
After **ethanol-blended petrol**, the government is now planning to **mix isobutanol with diesel** to cut emissions and **boost efficiency**. Tests by ARAI show that a **10% isobutanol blend** can work in **existing diesel engines** without major changes

- ❖ India is exploring blending 10% isobutanol with diesel after ethanol-diesel blending trials failed.
- ❖ Isobutanol, an alcoholic compound with flammable properties, is also being tested as a standalone fuel.

- ❖ Trials are underway by the Automotive Research Association of India (ARAI) for isobutanol-diesel blends.
- ❖ Flex fuel combinations of compressed natural gas (CNG) and isobutanol are being considered for agricultural machinery.

ENVIRONMENT NEWS

Cyrtodactylus vanarakshaka



- ❖ A new species of bent-toed gecko named *Cyrtodactylus vanarakshaka* has been discovered in Assam's Dima Hasao district.
- ❖ The name 'vanarakshaka' is derived from Sanskrit words meaning 'forest protector', honouring the Assam Forest Department.
- ❖ The species was found in the forested slopes of Jatinga in the Barail Hills, a sensitive ecological transition zone.
- ❖ This is the fifth *Cyrtodactylus* species recorded in Assam.

New Mangrove Belt

- ❖ The Tamil Nadu Forest Department has created a new mangrove belt on Battle of Adyar Island in the Adyar Estuary.
- ❖ Mangrove species planted include *Rhizophora mucronata*, *Rhizophora apiculata*, *Avicennia marina*, and *Excoecaria agallocha*.

- ❖ The invasive species *Prosopis juliflora* was removed before planting the mangroves.
- ❖ A fishbone layout with three main canals and 62 distribution canals was created across the island.
- ❖ The fishbone structure was constructed to support water flow and mangrove growth.
- ❖ The green belt aims to reduce erosion and support biodiversity in the Adyar Estuary.



REPORTS AND INDICES

Bloomberg Billionaires Index September 2025

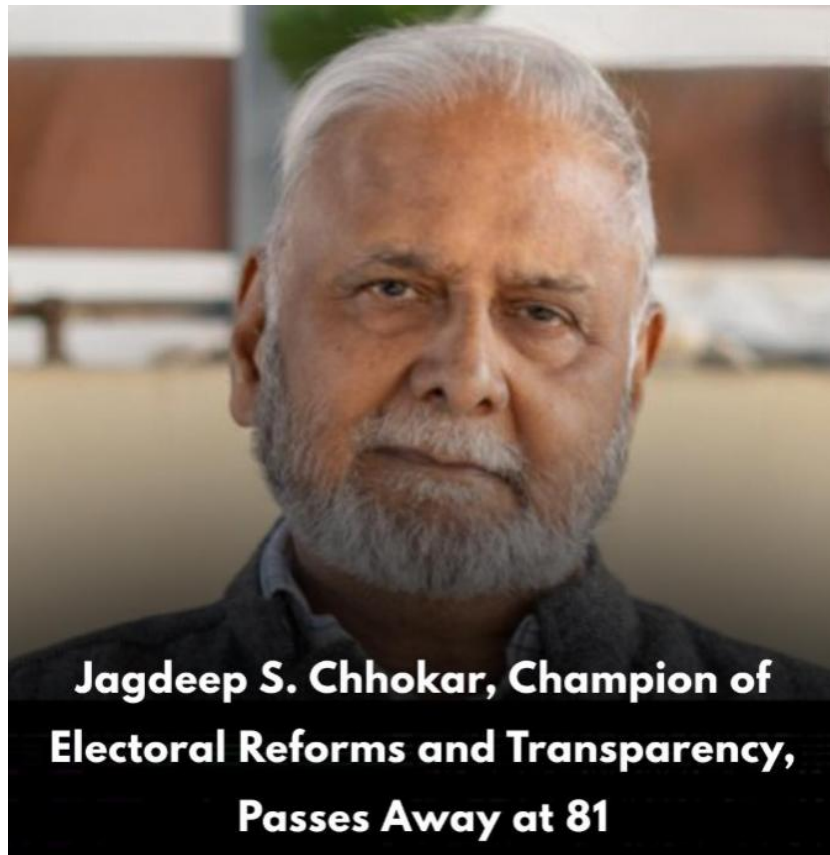
- ❖ As per the Bloomberg report, Elon Musk ranked first with a total net worth of \$384 billion.
- ❖ Larry Ellison ranked second with \$383 billion after gaining \$88.5 billion, while Mark Zuckerberg stood third with \$264 billion despite losing \$4.68 billion.
- ❖ Michael Dell ranked tenth with a net worth of \$151 billion.
- ❖ Oracle's CTO, Larry Ellison, briefly (For 1 day) surpassed Tesla CEO Elon Musk as the world's richest person.
- ❖ Ellison's net worth surged by \$89 billion, reaching \$383.2 billion.



| Rank | Name | Total net worth | \$ Last change | \$ YTD change | Country / Region |
|------|-----------------|-----------------|----------------|---------------|------------------|
| 1 | Elon Musk | \$419B | +\$19.4B | -\$13.8B | United States |
| 2 | Larry Ellison | \$349B | -\$14.5B | +\$157B | United States |
| 3 | Mark Zuckerberg | \$265B | +\$1.66B | +\$58.1B | United States |
| 4 | Jeff Bezos | \$250B | -\$1.36B | +\$11.2B | United States |
| 5 | Larry Page | \$211B | +\$546M | +\$43.0B | United States |
| 6 | Sergey Brin | \$198B | +\$519M | +\$39.4B | United States |
| 7 | Steve Ballmer | \$175B | +\$2.85B | +\$28.8B | United States |
| 8 | Bernard Arnault | \$163B | +\$1.04B | -\$13.4B | France |
| 9 | Jensen Huang | \$155B | +\$524M | +\$40.4B | United States |

PERSONALITIES, AWARDS, AND EVENTS

Jagdeep S. Chhokar Demise

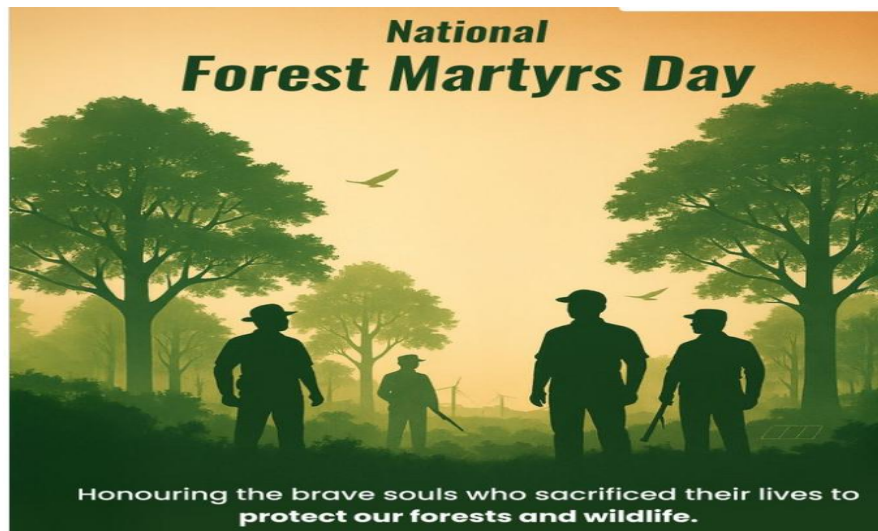


- ❖ Jagdeep S. Chhokar, a former professor at the IIM Ahmedabad passed away recently.

- ❖ He co-founded the Association for Democratic Reforms (ADR) in 1999 to promote electoral transparency in India.
- ❖ ADR led Supreme Court cases mandating disclosure of candidates' criminal, financial, and educational details.
- ❖ ADR petitions contributed to the striking down of the electoral bonds scheme and reformed the process for appointing the Chief Election Commissioner.
- ❖ He contributed to academic research in international journals and supported public interest bodies like Aajeevika Bureau.

IMPORTANT DAYS

National Forest Martyrs Day 2025 - September 11



- ❖ The day is observed to honour forest personnel who sacrificed their lives protecting forests and wildlife.
- ❖ The day aims to recognise their bravery and inspire commitment to conservation.
- ❖ This date was linked to the Bishnoi massacre of 1730.
- ❖ Amrita Devi and other 362 member of the Bishnoi community, sacrificed their life by hugging a khejri tree to prevent from cutting.
- ❖ The Bishnoi community is predominantly based in southern Rajasthan.
- ❖ The community was founded by Guru Maharaj Jambaji in 1485.
- ❖ He provided 29 rules for his followers to live by, the most significant of which were prohibitions against cutting down green trees and killing animals.
- ❖ The khejri tree is drought-resistant and has soil-enriching properties.
- ❖ The theme for 2025 is "Remembering Martyrs, Protecting Forests."

UN Day for South-South Cooperation 2025 - September 12

- ❖ The day is observed to promote solidarity, innovation, and mutual support among developing countries.
- ❖ It aims to highlight how South-South and triangular cooperation can accelerate sustainable development and social justice.
- ❖ It was first observed in 1978, marking the adoption of the Buenos Aires Plan of Action.
- ❖ The theme for 2025 is “New Opportunities and Innovation through South-South and Triangular Cooperation”.



World First Aid Day 2025 - September 13



- ❖ It is observed annually on the Second Saturday of every September.



- ❖ It aims to promote awareness about the role of first aid in saving lives.
- ❖ In 1878, some military officials, pioneered the concept of training civilians in first aid skills.
- ❖ This year's theme is "First Aid and Climate Change".

