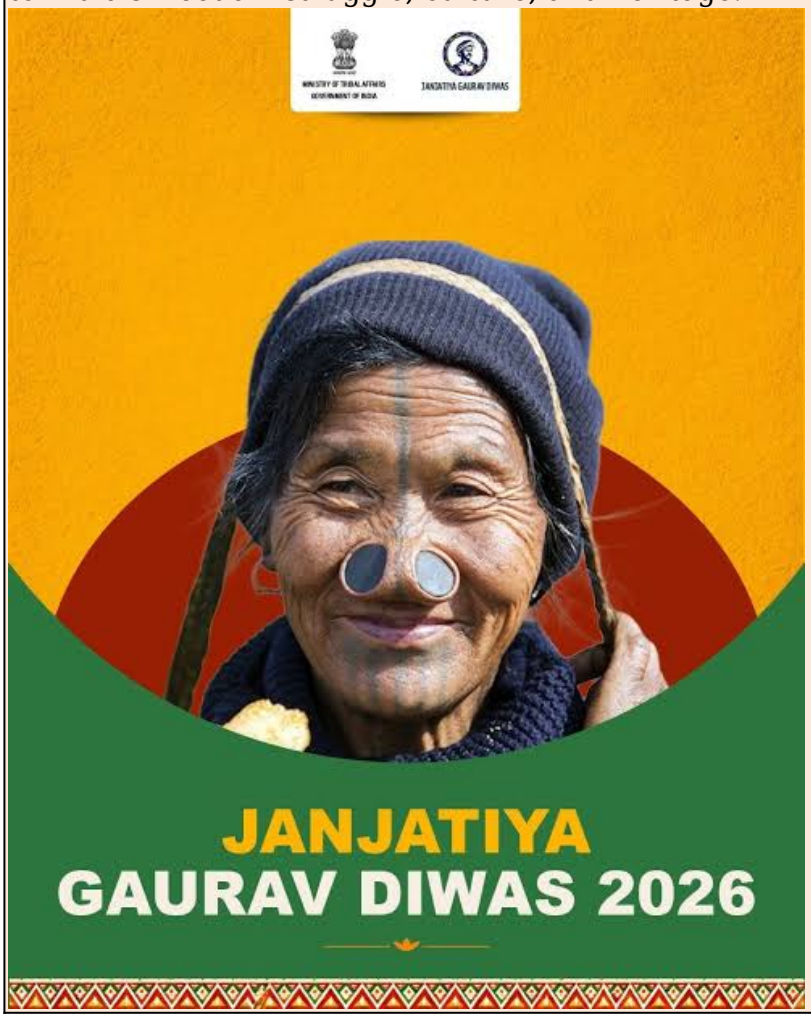
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History, Art and Culture

Janjatiya Gaurav Diwas, 2026

• **Janjatiya Gaurav Diwas** – It is celebrated on November 15 every year to commemorate the birth anniversary of Birsa Munda.
• This day is also known as Tribal Pride Day.
• First declared by the Government of India in 2021.
• **Date** – 15 November 2026 (culminating the 15-day nationwide observance).
• **Fortnight Celebration** (Pakhwada) – Held from 1 to 15 November 2026, organised by the Ministry of Tribal Affairs.
• **Core Purpose** – Honours the courage, sacrifices, and contributions of tribal communities to India's freedom struggle, culture, and heritage.



Birsa Munda's 151st birth anniversary

• **Birth** – Born in 1874 in Ulihatu village, Jharkhand.
• As a spiritual reformer and freedom fighter, he united the Munda tribes against British land laws and feudal exploitation.
• He led the Ulgulan or "Great Tumult" (1899–1900) —a fierce movement for tribal self-rule and the restoration of Khuntkatti (community land rights).
• Known as Dharti Aaba ("Father of the Earth"), Birsa Munda envisioned a moral, self-governed society free from colonial influence.
• **Parents -** Sugana Munda and Karmi Hatu, worked as sharecroppers and moved frequently in search of livelihood.
• **Religious reform** – He founded a new monotheistic faith called Birsait, urging tribal communities to worship a single supreme deity, Singbonga, and return to their traditional values.
• **Death** – He was captured and martyred in Ranchi Jail at the age of 25.

Infrastructure

Network Anubhav Platform

Recently, the Telecom Regulatory Authority of India (TRAI) has launched the Network Anubhav Platform.

• **Network Anubhav** – It is a geospatial and analytical dashboard designed to track real-world telecom network performance, map quality-of-service (QoS) parameters, and streamline consumer grievance handling on a unified portal.

Features

• **Geospatial Network Mapping** – Displays interactive maps showing cellular and fixed broadband performance segregated by service provider and technology.
• **Crowdsourced & Test Data** – Combines data from TRAI's MySpeed (internet speeds) and MyCall (voice quality feedback) apps with official Independent Drive Tests (IDT).
• **DND 3.0 & Spam Management** – Integrated web-based access for managing commercial communication preferences, reporting unsolicited commercial communication (UCC/spam), and tracking complaint statuses.
• **Telecom Provider Dashboard** – Provides a secure interface for operators to view call-drop data, coverage gaps, and user feedback to fix network issues.
• User test data comprises the test results from MySpeed and MyCall apps of TRAI.



Agriculture

Centre of Excellence for Siri cattle in Sikkim

The Government of India has announced plans to establish a Centre of Excellence for the conservation and development of the indigenous Siri cattle breed in Sikkim.

• **Announcement** – The initiative was announced by the Union Minister of Fisheries, Animal Husbandry and Dairying during his visit to the state.

• **Requirements** – The establishment depends on the Sikkim state government identifying and providing a suitable parcel of land for the centre.

Related announcements

• A Siri Bull Mother Farm is planned at Chuchachen in the Pakyong district under a Rs. 27.64 crore conservation project to improve genetic quality and multiply superior germplasm.

• Proposals include introducing In Vitro Fertilisation (IVF) technology and pedigree selection (supported by the National Dairy Development Board) to boost productivity and preserve the line.

Siri Cattle

• **Siri** – It is a hardy, dual-purpose indigenous Zebu cattle breed native to the Eastern Himalayan region, primarily found in Sikkim, the Darjeeling hills of West Bengal, and Bhutan.

• It is also known locally as Trahbum or Nublang in Bhutan.

• **Characteristics** – It features a distinctive cervico-thoracic hump covered with long hair and is well-adapted to steep, mountainous terrain.

• **Significance** – Males are traditionally valued for draught/ploughing work in the hills, while the breed produces nutrient-rich milk, though overall milk yields are relatively low compared to crossbred alternatives.



Environment

Liocheles similipalensis

New scorpion species discovered in Similipal, 1st Liocheles genus in Odisha.

• **Liocheles similipalensis** – It is a newly identified scorpion species in the Similipal Tiger Reserve (STR).

• **Habitat** – Recorded in rocky habitats within tropical moist deciduous forests at an elevation of approximately 1,000 metres above sea level.

• At present, STR remains its only confirmed habitat, making further exploration essential to establish its wider distribution.

• **Appearance** – It is distinguished by its glossy, bluish-black appearance.

• **Size** – Measuring between 44 mm and 53 mm in length.

• **Significance –** It is the first confirmed record of the genus Liocheles in the state of Odisha.

• It brings the total number of recognised species in the genus Liocheles worldwide to seven (and is the fourth species described from India).

Security

Trilateral Security Agreement

Greenland's lawmakers approved a trilateral security agreement with Denmark and the United States.

• **Aim** – To strengthen security cooperation in the Arctic and North Atlantic regions.
• **Signed between** – Greenland, the United States and Denmark.
• **Features of the agreement** – It allows for an expanded U.S. military presence and additional bases in Greenland.
• It ensures that Greenland remains under Danish sovereignty and control.
• The agreement would continue to apply even if Greenland becomes independent in the future.
• **Military expansion** – The pact amends the 1951 Greenland Defence Agreement, allowing the U.S. to modernise operations at the Pituffik Space Base and establish new defence areas at Narsarsuaq and Mestersvig.
• **Greenland** – Located between Europe and North America, Greenland is the world's largest island, with a population of 57,000 people.



Science

World’s 1st 10-tonne commercial passenger aircraft

In a world first, China's 10-tonne electric commercial aircraft makes a crewed flight.

• **CE-25A** – It is the world’s first 19-seater 10-tonne-class battery-electric commercial passenger aircraft.

• **Development** – Developed jointly by Chinese state-owned aerospace manufacturer Commercia Aircraft Corporation of China (COMAC) & Chinese battery maker CATL, Shanghai Jiao Tong University and other partners.

• The Civil Aviation Administration of China has accepted COMAC's application for a type certificate.

• The aircraft operated normally, and all performance indicators met expectations.

• **Speed & Range** – CE-25A has a cruising speed of 300 km per hour, a cruising altitude of 2,400 metres and a range of 400 km.

• **Purpose** – Designed mainly for intercity commercial flights.

• **Similar Global Examples**

- Militky MB-E1 (a motor glider) – It is recognised as the world's first full-size electric aircraft to fly on battery-electric power with a person on board on Oct 21, 1973, in Austria.

- Israel has also developed a prototype of the electric aircraft Eviation Alice with a carrying capacity of 9 passengers and two crew members but has not taken the project forward.



India’s first open fetal surgery

AIIMS, New Delhi, has performed India’s first open fetal surgery to repair a severe spinal defect in an unborn baby at 25 weeks’ gestation.

• **The Condition** – A lumbosacral myelomeningocele, a severe form of spina bifida.

• **Myelomeningocele** – The condition is an open neural tube defect in which the spinal cord and its coverings protrude through an opening in the spine, causing leakage of cerebrospinal fluid.

• The defect was repaired in utero (inside the womb), reducing the risk of severe neurological complications after birth.

• **Operation & Team** – A multidisciplinary team of over 30 specialists performed the six-hour in utero procedure at AIIMS New Delhi's Neurosciences Centre.

• **Cost** – The surgery was conducted free of charge under the government's Janani Shishu Suraksha Karyakram (JSSK), aimed at reducing maternal and infant mortality.

• **Significance** – This is the first such fetal surgery in India, marking a breakthrough in fetal and maternal healthcare.



International Award for Blood-Clotting Technology

A young innovator from West Bengal has earned international recognition for a medical breakthrough that could change how emergency bleeding is treated.

• **StopBleed** – It is a rapid-clotting powder that can control severe bleeding within 60 seconds.

• **Working –** A hemostatic (blood-clotting) technology based on nano-biopolymers which absorbs blood plasma and traps blood cells, accelerating the body's natural clotting process.

• It forms a protective gel-like layer over wounds to quickly stop bleeding.

• **Development** – Developed at the National Institute of Technology (NIT) Rourkela by Professor Devendra Verma and Dr Sabir Hussain.

• Later, Miracules Medsolutions was established to commercialise the innovation.

• **Founde**r – Sabir Hussain, founder of Miracules Medsolutions, won the top prize in the *Health and Biomedical category at Slingshot 2026*, an international startup competition held in Singapore.

• **Recognition & Approval** – The startup received a grant of 400,000 Singapore dollars & the competition attracted over 5,000 startups worldwide.

• India's Central Drugs Standard Control Organisation (CDSCO) has approved StopBleed as a Class C medical device & the technology is already being used in more than 25 hospitals across India.

Sports

India's First Youth Olympic Wushu Medal

Rajkumari Lanchenbi Chanu makes history, wins India's first Youth Olympics wushu medal.

• **Rajkumari Lanchenbi Chanu –** A 15-year-old from Manipur scripted history by clinching a bronze medal in the Women's Changquan Combined event, securing India's first-ever Olympic-level medal in Wushu.

• Sondos Sonbol of Egypt won the gold medal, while Valeria Frannerys Dudamel Alvarado of Venezuela claimed silver.

• **Significance** – The achievement is particularly significant because Wushu made its debut at the Dakar 2026 Youth Olympic Games, making it India's first opportunity to compete in the sport at the event.



Wushu

• **Wushu** – It is a standardised Chinese martial art and international sport created in the 20th century to unify traditional styles like Shaolin, tai chi, and Wudangquan.

• Recognized by the International Wushu Federation (IWUF).

• Competitive Wushu consists mainly of -
  - Taolu (routines/forms)
  - Sanda (combat/fighting events)

• **Changquan** - It is a northern-style performance routine characterised by extended movements, jumps, kicks, and acrobatics.

• **Gunshu** - It is a weapon event featuring the use of a staff.

Youth Olympic Games, 2026

• **Youth Olympic Games, 2026** – It took place in Dakar, Senegal, from October 31 to November 13, 2026, marking the first-ever Olympic event held on African soil.
• **Motto** - "Africa Welcomes, Dakar Celebrates" (French: L'Afrique accueille, Dakar célèbre)
• **Participation** – Roughly 2,654 teen athletes from 205 National Olympic Committees (including a Youth Refugee Olympic Team) competed across 151 events in 25 sports.
• **New Debuts** – Rowing coastal beach sprints, wushu, and baseball made their official Youth Olympic debuts.

Major Achievements

• Mana Ishikawa – Japanese swimmer, became the first athlete to win four individual gold medals at a single Youth Olympic Games.
• Lairenlakpam Ambekar Meetei (India) – Won the country's first-ever boxing gold medal at the Youth Olympics.
• China – Finished at the top of the overall medal table.

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