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OCTOBER MONTH CURRENT AFFAIRS - 2023

CONTENTS

TAMIL NADU	2
STATE	
NATIONAL	21
INTERNATIONAL	
DEFENCE	
SCIENCE AND TECHNOLOGY	
SPORTS	35
AWARDS AND EVENTS	
PERSONALITIES KSha Bu Swathika	
REPORTS AND INDICES	46
IMPORTANT DAYS	
AS Academic	
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TAMIL NADU

Best tourism villages

 Two villages from Tamil Nadu - Vettaikaranpudur in Coimbatore district and Hullada in the Nilgiris - received bronze medals for the best tourist villages from the Centre.

TN State Biodiversity Board

- 1. The State government recently reconstituted the **Tamil Nadu State Biodiversity Board.**
- 2. It includes three special invitees from the **Industries Department**, the **Animal Husbandry**, **Dairying and Fisheries Department** and the Tamil Nadu Pollution Control Board.
- 3. The **Minister for Forests** will be the **chairperson** of the board.



Carnelian beads in Keeladi



- 1. Excavation in Keeladi has yielded two carnelian beads.
- 2. It is **reaffirming Tamil country's trade links** with the western part of India such as Maharashtra and Gujarat.

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3. Carnelian stones are normally found in Gujarat and Maharashtra.

Gram Sabha meetings on Gandhi Jayanthi

- 1. The gram sabha meetings in **village panchayats** was held across the state on October 2.
- 2. The theme of the meeting was 'Everything for Everyone'.



Platinum certificate

1. The **Dr. MGR Chennai Central railway station** has been awarded the platinum certificate by the **Indian Green Building Council** (IGBC) for developing the railway station into a **net zero energy building.**

Udangudi Panangkarupatti gets GI tag



- The Intellectual Property of India (IPI) conferred a Geographical Indication (GI) tag for the famous 'Udangudi Panangkarupatti', a product widely associated with the Tirunelveli District Palmyrah Products Cooperative Federation Limited.
- Besides Udangudi Panangkarupatti, Thoothukudi is home to two other products that have been conferred with the GI tag, including Kovilpatti Kadalaimittai, and Authoor Vetrillai.

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MMR in Tamil Nadu 2023

- 1. Tamil Nadu's Maternal Mortality Ratio (MMR) had surged to 90 per one lakh live births during 2021-2022.
- 2. Due to the COVID-19 pandemic, it dropped to 52 per one lakh live births during 2022-2023.
- 3. In 2021–2022, of 827 maternal deaths, 250 were due to COVID-19.
- 4. The number of maternal deaths recorded during 2022-2023 was 479.
- 5. The State's Directorate of Public Health (DPH) made the collaboration with Preventive Medicine with Singapore Health Services and Singapore International Foundation (SIF) to enhancing maternal and child health services.
- 6. Singapore had an MMR of 10 per one lakh live births.



First Nilgiri Tahr Day

- 1. Tamil Nadu celebrated the first 'Nilgiri Tahr Day' on October 7.
- This date was chosen by the Government as Nilgiri Tahr Day in honour of E.R.C. Davidar.
- 3. He is a **wildlife conservationist** who pioneered studies on the sole mountain ungulate of Southern India as early as in **1960s**.
- He took the first census of the Nilgiri Tahr in the Nilgiris landscape during 1963 in the Nilgiris.



OCTOBER MONTH CURRENT AFFAIRS - 2023

5. He conducted a **detailed survey of Nilgiri Tahr** throughout the **Western Ghats in 1975** and estimated about 2,200 individuals.



Bharati script

- 1. A Team from **IIT Madras** has, developed a **unified script for nine Indian languages**, named the Bharati script.
- 2. It has developed a **method for reading documents** in Bharati script using a multi- lingual **optical character recognition (OCR) scheme.**
- 3. The team has also created a **finger-spelling method** that can be used to **generate a sign language** for hearing-impaired persons.



- 4. The scripts that have been integrated include **Devnagari**, **Bengali**, **Gurmukhi**, **Gujarati**, **Oriya**, **Telugu**, **Kannada**, **Malayalam and Tamil**.
- 5. Optical character recognition schemes involve **first separating** (or segmenting) the document into **text and non-text.**

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Second spaceport of ISRO



- 1. The second spaceport of Indian Space Research Organisation (ISRO) will come up at **Kulasekarapattinam in Thoothukudi district** of Tamil Nadu.
- 2. It will be dedicated **exclusively for Small Satellite Launch Vehicles** (SSLVs) developed by the private sector.
- SSLV is a 3-stage launch vehicle capable of launching approximately 500 kg satellites in 500-km planar orbit.

Reintroduction of Samadhan Scheme

- 1. The **Tamil Nadu Legislative Assembly** adopted a Bill to reintroduce an effective Samadhan Scheme.
- 2. It aims to provide **another opportunity to settle the arrears of tax**, penalty (prior to GST regime) and **interest payable to the government** pertaining to the assessments under various Acts up to 2017-18.
- 3. The system of levy of tax on **Goods and Services** i.e., GST was introduced across the country, from **July 1, 2017.**



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 The State government had introduced Samadhan Schemes in 2006, 2008, 2010 and 2011 by enactment of various legislations, with a view to expedite the collection of arrears.



Protected Agricultural Zone - Mayiladuthurai

- 1. The Tamil Nadu Assembly adopted a Bill to make the newly formed **Mayiladuthurai district** a protected agricultural zone.
- 2. It also included **'animal husbandry and inland fishery'** within the ambit of the **term 'agriculture'**.
- 3. The government had enacted the **Tamil Nadu Protected Agricultural Zone Development Act, 2020,** to convert **Thanjavur,Nagapattinam and Tiruvarur districts** and a few blocks of **Pudukottai and Cuddalore districts** into a protected agricultural zone.



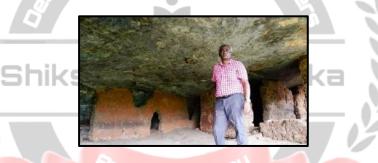
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Ambur Jain Cave

- 1. The **Arma Malai**, which houses the **Eighth Century Jain cave**, will soon be declared a monument by the State government.
- 2. It is located at Malayampattu village near Ambur town in Tirupathur district.
- 3. At present only the cave was a monument for its **natural formation and paintings** on its walls.
- The cave paintings resemble those found in Sittannavasal, a rock-cut cave in Pudukkottai district, especially with regard to the style of using colours.
- 5. At present, the TNSDA has **93 monuments** in the State with **Madurai** having the **highest number of 16 monuments**.



Project Nilgiri Tahr

1. Chief Minister M.K. Stalin launched 'Project Nilgiri Tahr' to promote the conservation of Tamil Nadu's State animal.



2. He also **distributed books to school students** to create awareness about the Nilgiri Tahr.

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- 3. The project, aims **to facilitate a better understanding** of the Nilgiri Tahr population, their **distribution and ecology**.
- 4. Reintroducing the animals to their historic habitats, addressing proximate threats to them, increasing public awareness on the species, and developing ecotourism at select sites are among the other aims.

KaniTamil 24

1. The Tamil Nadu government will be organising a **three-day KaniTamil 24**' conference in Chennai in February 2024.

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- 2. The conference would elaborate on the latest **advancements in computing** and exploring the possibilities of using Tamil in natural language processing, **artificial intelligence**, **machine learning**, **machine translation**, **sentimental analysis**, **large language models** and automatic speech recognition.
- The 1st conference on **Tamil computing** organised when
 M. Karunanidhi was the Chief Minister in 1999.



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4. The second such conference on Tamil computing is being organised after 25 years.

First tilapia parvovirus

- 1. The occurrence of tilapia parvovirus (TiPV) has been reported for the **first time in India** at ponds in **Walajah in Ranipet district.**
- 2. It will be affecting **farm-bred tilapia**, a freshwater fish species, and causing a **huge mortality rate**.
- 3. This DNA virus caused mortality ranging from **30 to 50%** in the farm and 100% mortality in the laboratory.
- 4. Considered as "a poor-man's fish" and it is called Jilabi in Tamil.
- 5. The TiPV was first reported in **China in 2019** and **Thailand in 2021** whereas **India is the third country** to report the occurrence of TiPV.



AI-based early warning system

1. Tamil Nadu plans its **first artificial intelligence** (AI)-based early warning system **to prevent wild elephants** from getting **hit by trains** on railway lines.



2. It is laid along the **Ettimadai-Walayar section**, which **links Tamil Nadu and Kerala**, is nearing completion.

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- 3. It will give an **additional layer of protection** for pachyderms.
- 4. A total of **11 elephants** were killed in **six train collisions** on the two railway lines linking Coimbatore and Palakkad **from 2008 to 2022.**

Muthuvan tribe

- Members of the Muthuvan tribe of the Anamalai hills have joined hands with the Tamil Nadu Forest Department for a unique task.
- 2. They are known for **coexisting** with the **wildlife** with their **traditional knowledge**.
- 3. They will be part of the Project Nilgiri Tahr, which is aimed at protecting the 'endangered' State animal.



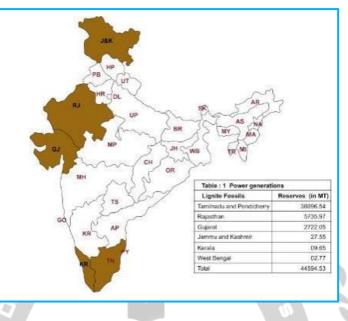
Lignite production

- 1. Tamil Nadu was the largest producer of lignite and produced 22.480 million Tonnes (MT) in 2022-23.
- 2. The overall production of lignite declined 5.27% in 2022-23.
- 3. Tamil Nadu accounted for 49.97% of the production, followed by Gujarat at 27.37%, and Rajasthan at 22.67%.
- 4. Tamil Nadu accounts for about **82% of India's lignite reserves** of 40.9 billion tonne.
- 5. Lignite deposits in India are primarily located in the tertiary sediments in the **Southern & Western parts of the peninsular shield**, particularly in

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Tamil Nadu, Puducherry, Gujarat, Rajasthan and Jammu & Kashmir also available in minor quantities in Odisha, Kerala & West Bengal.



Global text standard

- 1. Tamil Nadu is one of only three government members of the Unicode Consortium that sets digital standards for scripts and emojis.
- 2. But the Tamilnadu State government has largely stayed away from actually using the standard.
- 3. The board of the **Tamil Virtual Academy (TVA)** which represents the State government at the Consortium.
- 4. **Press releases, government orders and gazette notifications** usually use **custom Tamil fonts** that are incompatible with the Unicode standard.
- 5. This can **harm the accessibility of government** documents and their discovery online.
- 6. Tamil Nadu is a '**Supporting Member**' at the Unicode Consortium.
- This privilege allows the State a half vote on proposals at the Unicode Technical Committee, where it has not voted in years.



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8. The governments of **Bangladesh and Oman** are the only others who are currently paying for this membership.

'Smart District' Project

- 1. The UK and Tamil Nadu are collaborating on a smart tech project aimed at sustainable water, waste, and resource management.
- The project, named 'Smart District Administration using IoT Technologies for Better Quality of Life,' was chosen as part of the Frontier Technology Livestreaming (FTL) program.
- 3. The UK-supported 'Smart District' project has a **goal of tackling global sustainability challenges** by deploying sensors throughout the district.
- 4. These sensors will **analyse data patterns**, aiding informed decision-making for efficient resource allocation.

1,300-year-old Pallava paintings



- 1. The 1,300-year-old Pallava period paintings found at **Talagirishwara** temple at Panamalai in Villupuram district.
- 2. The panel **depicting the dance of Lord Shiva** has almost faded away.
- 3. Only the **face of goddess Parvathi** and a few patches remain now.
- 4. The temple was **constructed by Pallava king Narasimhavarman II**, popularly known as Rajasimha.

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5. The paintings bear a close resemblance to the paintings in Ajantha and Sittannavasal.

Tiger Rewilding program

- 1. A committee assessed the progress of Tamil Nadu's first tiger rewilding program in the Anamalai Tiger Reserve.
- 2. The tiger, which was rescued from a tea estate near Valparai in September 2021, is about 30-months-old now.

STATE

First woman speaker of Odisha

- 1. **Pramila Malik** from Biju Janata Dal party became the first woman Speaker of the Odisha state Assembly.
- 2. She has been a six-time MLA from the Binjharpur assembly seat in Jajpur district of Odisha.
- 3. Earlier she held the post of Minister of Revenue and Disaster Management.



Second Tiger Reserve In Kaimur District



1. **Bihar** is preparing to establish its **second tiger reserve** within the Kaimur district.

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- 2. The upcoming tiger reserve in Kaimur district will **complement the existing Valmiki Tiger Reserve** (VTR) located in the West Champaran district of Bihar.
- 3. As per recent reports, Bihar currently boasts a total **tiger population of 54**.

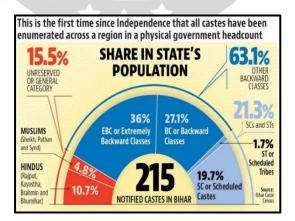
e - Cabinet System in Tripura

- 1. Tripura launched an e-cabinet system at Agartala.
- 2. It aims to **promote digital infrastructure** development and digitisation of government services and information.
- 3. Tripura has thus become the fourth state and second in the Northeast.
- 4. Already Uttarakhand, Uttar Pradesh and Arunachal Pradesh have introduced an e-cabinet system.



Bihar's Caste Survey

1. It is the **first time since independence** that a state has conducted a caste census.



Bihar showed that the state's total population stood at a little over 13.07 crore.

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- 3. Extremely **Backward Classes (36%)** were the largest social segment.
- 4. The Scheduled Castes are accounted for 19.65%.
- 5. Nearly 22 lakh (1.68 per cent) people is belonging to the Scheduled Tribes.
- 6. These results may open the door to challenging the 50% ceiling on reservations in jobs and educational institutions currently in place.

Solar cycling track

1. The Healthway Cycling Track, India's first solar cycling track, was inaugurated in **Hyderabad**.

GI Tag



- 1. Three **indigenous products from Arunachal Pradesh** have been granted the prestigious Geographical Indication (GI) tag.
- 2. They are Yak Churpi, Khamti rice and Tangsa textile.
- 3. The **Goa cashew (kernel)** has successfully secured the Geographical Indication (GI) tag.
- 100-year-old traditional craft from Jammu and Kashmir's Kathua district Basohli Pashmina & Udhampur Kalari get Geographical Indication (GI) Tag.
- 5. Earlier this year, the famed **Basohli painting and Chikri wood** from Rajouri district of Jammu division received the GI tag.
- 6. The renowned **Rasabali sweet from Kendrapara**, **Odisha** received geographical Indication (GI).



Caravan Park in Kerala

- 1. The **Kerala Tourism Development Corporation** (KTDC) will develop the caravan park and camp shelter at **Bekal Fort in Kasaragod**.
- The caravan park at Bekal will be the **first park** in the public sector in the State which belongs to **17th century**.



Kerala's first 3D-printed building

- 1. Kerala's first building Named **Amaze-28**, built using 3D printing technology has been inaugurated.
- 2. Designed as a demonstration project, Amaze-28 is a model that was **completed in just 28 days.**



Largest pumped storage project

- 1. Madhya Pradesh opened India's largest pumped storage project recently.
- 2. The project is located in the Khemla block, Neemuch district.

Baiga Tribal Group - Habitat rights

1. The **Baiga Particularly Vulnerable Tribal Group** (PVTG) became the second to get habitat rights in **Chhattisgarh**.

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- Habitat rights recognition provides the community concerned rights over their customary territory of habitation, socio-cultural practices, economic and livelihood means, intellectual knowledge of biodiversity and ecology, traditional knowledge of use of natural resources, as well as protection and conservation of their natural and cultural heritage.
- 3. Habitat rights are given to PVTGs under section 3(1)(e) of the Forest Rights Act 2006.
- 4. Earlier the Kamar Tribal Group get habitat rights in the state.



Manchirevula Forest Mesolithic rock art



 The Paintings belonging to the middle Stone Age (Mesolithic period), were found on a rock shelter at the Manchirevula forest trek park, Hyderabad.

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- 2. The Mesolithic era is dated from 10,000 to 4,000 BC.
- 3. It is suggesting that the paintings are between **6,000 to 12,000 years old.**
- 4. The paintings show **three tortoises, a fish, and a geometric motif**, all in red pigment.

India's First Wetland City

- 1. The **Rajasthan government** is making efforts to **make Udaipur**, as the **country's first wetland city.**
- 2. This city is surrounded by five major lakes, Pichola, Fateh Sagar, Rang Sagar, Swaroop Sagar, and Doodh Talai.
- 3. Udaipur is already included in the **restoration project** of **the National Lake Conservation Plan** (NLCP) of the central government.
- 4. Presently, there are **42 wetland cities** situated across **17 nations** around the world.
- 5. China has the highest number at 13 such cities.

India's First Regional Train Service Wathika

- 1. India's first regional train service RapidX was inaugurated recently.
- 2. The priority section of **Delhi-Ghaziabad-Meerut** Regional Rapid Transit System opened between **Duhai and Sahibabad**, covering **17-kilometres**.
- 3. The total length of **Delhi-Meerut corridor** is **82 kilometres.**
- The RRTS trains are designed to run at a speed of 180km/h, which makes it the quickest urban transit system in India.



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Kasaragod district – Kerala

- 1. Kasaragod district has become the first district in India to officially designate its own tree, flower, bird and species.
- 2. The decision is a testament to the **region's rich biodiversity** and **natural heritage.**
 - The official tree 'Kanjiram' (Strychnos nux-vomica Linn).
 - The **district bird** White Bellied Sea Hawk.
 - The **district species** Cantor's Giant Softshell Turtle, locally known as 'Bheemanama'.
 - The **district flower** 'Periya Polathali' or Crinum malabarica.

Star Party 2023

 In a first-of-its-kind event, the Indian Institute of Astrophysics (IIA) hosted an official Star Party at the Hanle Dark Sky Reserve in eastern Ladakh.

First State With Hallmarking Centers In Every District

- 1. **Kerala,** the southern state of India, has achieved a remarkable milestone by inaugurating a **hallmarking centre in Idukki**.
- 2. This achievement has solidified Kerala's position as the **first state** in **India** to establish hallmarking centres in all of its **14 districts**.



Jharkhand 1st State To Ensure Minimum Wages

 Jharkhand is making history by becoming the first state in India to take steps towards including gig workers, such as Swiggy, Zomato, Ola, Uber, and Rapido employees, under the ambit of minimum wages.

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Graphene Production Facility

1. **Kerala government** has announced a project to establish a graphene production facility, a first-of-its-kind initiative in India.

NATIONAL

Arogya Manthan 2023

- The National Health Authority (NHA), is organised 'Arogya Manthan' to celebrate five years of Ayushman Bharat Pradhan Mantri Jan Arogya Yojana (AB PM-JAY).
- 2. It also **celebrates two years** of Ayushman Bharat Digital Mission **(ABDM).**
- 3. Ayushman Bharat PM-JAY was launched on 23rd September 2018.
- 4. The ABDM was launched on 27th September 2021.
- 5. This scheme is aimed at **creating a digital highway** connecting different stakeholders of healthcare ecosystems.



Country's First Cartography Museum



 George Everest Cartography Museum in the picturesque town of Mussoorie, Uttarakhand, on the occasion of World Tourism Day.

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2. The museum is situated in **Park Estate**, which used to be the residence of the famous **surveyor Sir George Everest**, known for whom Mount Everest is named.

Garbage-Free India

- 1. **Ministry of Micro, Small and Medium Enterprises** (MSME) took a significant step towards realizing the vision of a "Garbage Free India."
- 2. "Garbage Free India" The focal **theme of 'Shramdaan'** revolved around the concept of "Garbage Free India."
- 3. Emphasizing the **importance of cleanliness**, the event sought to engage citizens in proactive measures for a cleaner and healthier nation.



Yashasvini

- 1. CRPF launches all-female bikers' expedition 'Yashasvini' from Srinagar.
- 2. The Central Reserve Police Force (CRPF) is India's largest paramilitary force with over 3 lakh personnel.
- 3. The CRPF initiated to promote women's empowerment and gender equality.

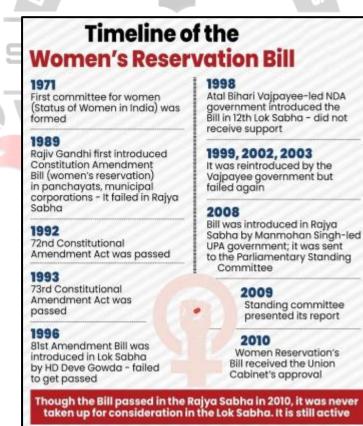


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106th amendment act

- 1. The President of India has given her assent to the 106th amendment bill.
- 2. This amendment is known as **women's reservation Bill.**
- 3. It seeks to provide 33% reservation to women in the Lok Sabha and State Assemblies.
- 4. There is quota within quota for Scheduled Caste (SC) and Scheduled Tribe (ST) women.
- 5. Though it was introduced as the **Constitution (128th) Amendment Bill** in the Lok Sabha, now it will be known as the Constitution (106th Amendment) Act.
- 6. The law will be implemented after the next census and the subsequent delimitation exercise.



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Protocol for Management of Malnutrition in Children

- The Centre has launched a standardised national protocol to identify and provide extensive care to malnourished children in the country.
- 2. It includes fresh initiatives like **appetite testing and "buddy mother"** concept.
- 3. It provides detailed 10-step guidelines for **identification and management of malnourished children** at the Anganwadi level.
- 4. The "Buddy mother" concept was **first used in the state of Assam.**
- Under this scheme, the mother of a healthy baby guides the mother of a malnourished child at an Anganwadi centre every week.



Sagar Parikrama Phase-IX

- 1. It is aimed at addressing the **issues of fishermen** and other stakeholders while **facilitating their economic upliftment** through various schemes.
- 2. The ninth phase of the programme will cover coastal districts in Tamil Nadu and Puducherry.
- The covered areas include Pudukkottai, Thanjavur, Nagapattinam, Mayiladuthurai, Cuddalore, Villupuram, Chengalpattu, Chennai, Karaikal, and Puducherry.

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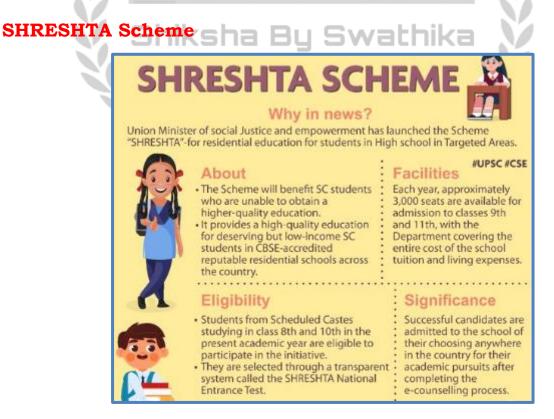


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Extensive burial site in IVC



- Scientists have unveiled a sprawling burial site in India belonging to Indus Valley.
- 2. Researchers now estimate the **presence of at least 500 graves** of the Indus society.
- 3. The graves have unique features, including **sandstone-lined burial shafts** that point in different directions.
- 4. Some are oval shaped; others rectangular.



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- 1. The Ministry of Social Justice and Empowerment launched its new programme, 'Scheme for Residential Education for Students in High Schools in Targeted Areas' (SHRESHTA).
- 2. Under this scheme, students of **Scheduled Castes** (SC) will be provided with high quality school education by different method.

UMMEED Guidelines

- 1. The **Union Ministry of Education** (MoE) released the draft guidelines for schools **to prevent suicide among students**.
- 2. This guideline is titled as UMMEED (Understand, Motivate, Manage, Empathise, Empower, Develop).
- 3. These guidelines aim to serve as "directions to schools for enhancing sensitivity, understanding, and providing support in case of reported self-harm".

Mera Yuva Bharat

- 1. The Centre has announced the setting up of a new government platform for **youth development.**
- 2. It is named as 'Mera Yuva Bharat' or MY Bharat.
- 3. The platform is aimed at developing leadership skills among youth to make them social innovators and leaders in the communities.
- 4. Youth in the **age group of 15 to 29 years** can avail the benefits of the platform.

National Green Credit Program

- The Government has introduced a special program where an individual or entity can earn green credit and trade it on a dedicated exchange.
- 2. This programme is **independent of the carbon credit** provided under the Carbon Credit Trading Scheme, 2023.
- 3. It was made under the **Energy Conservation Act, 2001.**

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INTERNATIONAL

'8th Continent' Zealandia

 International geologists and seismologists has embarked on a mission to chart the depths of Zealandia, a relatively unknown landmass submerged beneath the Pacific Ocean.



Tallest Statue Of B.R. Ambedkar

- The tallest statue of the 'Architect of the Indian Constitution,' B.R. Ambedkar, known as the 'Statue of Equality,' is set to be unveiled in Maryland.
- This monumental sculpture is poised to become the largest statue of Babasaheb outside of India.



World's First Green Bond

- 1. **European Union** approved new standards for companies issuing "green" bonds.
- 2. It aims to help investors pick sustainable companies and avoid greenwashing or misleading climate-friendly claims.
- 3. Europe is the **world's biggest issuer** of green bonds.

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Whoosh' high-speed railway

- 1. Indonesia is inaugurating Southeast Asia's first bullet train, named "Whoosh.
- 2. The Whoosh trains are set to be Southeast Asia's fastest, reaching speeds of up to **350 kph (217 mph)**.



U.S. Speaker Kevin McCarthy

- 1. The House of Representatives voted to remove Speaker Kevin McCarthy, R-Calif., from his position.
- 2. It is the **first time in U.S. history** that a speaker of the House has been voted out of office.



Elimination of lymphatic filariasis

- 1. Lao People's Democratic Republic has eliminated lymphatic filariasis (LF).
- 2. Lao PDR is now the **second country after Bangladesh** to eliminate lymphatic filariasis (LF) in 2023.

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Dakar Declaration on Climate Change 2023

- 1. Ministers from the world's 46 least developed countries (LDCs) recently released the Joint Dakar Declaration on Climate Change 2023.
- The Dakar 2023 Joint Declaration on Climate Change outlines the expectations and priorities of the least developed countries for the 28th Conference of the Parties (COP28) to the United Nations Framework Convention on Climate Change.

First Country To Fire An Electromagnetic Railgun

1. **Japan** successfully tested a **maritime electromagnetic railgun** from an offshore platform, marking a significant milestone.

World Health Summit

 The 2023 World Health Summit took place from October 15 to October 17 under the theme "A Defining Year for Global Health Action" in Berlin, Germany.

DEFENCE

SAMPRITI-XI

- 1. India and Bangladesh commenced the 11th edition of annual joint military exercise, SAMPRITI in Umroi, Meghalaya.
- The exercise underscores the importance of enhancing interoperability between the two armies, sharing tactical drills, and promoting best practices.





OCTOBER MONTH CURRENT AFFAIRS - 2023

Annual Joint HADR Exercise 2023 (AJHE-23) – CHAKRAVAT 2023

- 1. AJHE, known as **CHAKRAVAT**, is a significant initiative that has evolved since its inception in **2015**.
- 2. A multi-agency endeavour that includes the active participation of India's armed forces, paramilitary forces, disaster response organizations, non-governmental organizations (NGOs), academic institutions, and international organizations.
- 3. The Annual Joint HADR Exercise is conducted on a rotational basis by India's three armed services: the Indian Army, Indian Navy (IN), and Indian Air Force (IAF).

Shiksha Bu Swathika

First Ever Mobile Tower Installed At Siachen Glacier

- 1. The **Siachen Glacier**, known as the world's highest battlefield, has witnessed a groundbreaking development with the installation of a mobile tower at **elevations exceeding 15,500 feet.**
- 2. The **"Siachen Warriors" in partnership with BSNL** erected the first-ever BSNL Base Transceiver Station (BTS) at forward posts in the Siachen Glacier region.

EX. HARIMAU SHAKTI

- Joint bilateral training Exercise Harimau Shakti 2023, between Indian & Malaysian Army commenced in Umroi Cantonment, India.
- 2. The Malaysian Army contingent comprises troops from 5th Royal Battalion.
- 3. The Indian contingent is being represented by the Rajput Regiment.



OCTOBER MONTH CURRENT AFFAIRS - 2023

EU And India Conduct Maiden Joint Naval Exercise

1. In a significant display of international cooperation, **India and the European Union (EU)** recently carried out their **first joint naval exercise** in the **Gulf of Guinea**, aimed at strengthening maritime security in the region.

Military Exercise 'KAZIND-2023'

- 1. The **Indian Army and Indian Air Force** contingent to take part in the 7th edition of **Joint Military 'Exercise KAZIND-2023'.**
- 2. 'Exercise KAZIND-2023' will be conducted from October 30 to November 11 at **Otar in Kazakhstan**.
- 3. The Joint Exercise between **India and Kazakhstan** was instituted as **'Exercise PRABAL DOSTYK' in the year 2016.**
- 4. After the **second edition**, the Exercise was upgraded to a company-level exercise and renamed as '**Exercise KAZIND**'.



SCIENCE AND TECHNOLOGY

NASA's OSIRIS-Rex

- 1. Recently, NASA's OSIRIS-REx spacecraft **dropped off a capsule over the** earth and landed in Utah in the U.S.
- 2. It may contain around **250 grams of rocks** and dust that OSIRIS-REx had collected from the surface of **101955 Bennu**.

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- 3. OSIRIS-REx was launched toward the **1,650-foot-wide (500 meters) Bennu** in September 2016.
- 4. Bennu is an asteroid orbiting the sun (with a period of 436 days).
- 5. Bennu could smash into the earth between the year 2178 and 2290.



Green Hydrogen Fuel Cell Bus

- 1. Indian oil unveiled the nation's first green hydrogen-powered bus in Delhi.
- 2. Green hydrogen is a sustainable alternative and does not emit polluting gases.
- 3. Only **water vapour** is emitted as a **by-product** when hydrogen is burnt, which means, no emission of polluting gases.
- 4. Four cylinders with a capacity of 30 kg can run the buses for 350 km.



Earthquake Alerts system

1. **Google announced** an Android Earthquake Alerts System to provide early warning alerts to users about earthquakes in their area.

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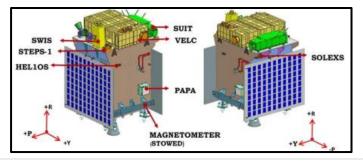
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- 2. It consulted with the National Disaster Management Authority (NDMA) and the National Seismology Center (NSC) to develop alerts.
- 3. Android smartphones' accelerometers can act as "mini seismometers".
- 4. They can **detect the beginning of a quake** when the phone is plugged in and charging.



Aditya L1 - STEPS

- 1. The Supra Thermal & Energetic Particle Spectrometer (STEPS) instrument has begun measuring supra-thermal and energetic ions and electrons.
- 2. They measure the supra-thermal and energetic ions and electrons at distances greater than 50,000 km from Earth.
- 3. This distance is equivalent to **more than eight times** the Earth's radius.
- This data helps scientists analyse the behaviour of particles surrounding Earth.
- 5. ISRO had launched Aditya-L1 on September 2 using a **PSLV-C57 rocket.**



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CO₂ on Jupiter's moon Europa

- 1. Carbon dioxide detected on **Jupiter's moon Europa** comes from the vast ocean beneath its icy shell by James Webb Space Telescope.
- The most CO2 was in the 1,800 kilometre-wide (1,120 miles) area called Tara Regio.

Plant-Based Polyphenols

- Scientists have found that highly abundant naturally occurring plantbased polyphenols (PPs) like **Tannic acid** found in **twigs of trees like Chestnut and Oak** can modulate the ferroptosis-AD axis.
- This is a safe, cost-effective strategy for combating Alzheimer's disease (AD) and reduce the societal burden of this debilitating neurodegenerative disorder.

Underwater "Ghost Particle" Detector

- 1. China is building an enormous telescope in the western Pacific Ocean.
- 2. Its job will be to detect "ghost particles", also known as **neutrinos**.
- 3. Neutrinos are a type of electron but, like neutrons, they do not have any charge.
- 4. Sometimes they **interact with water molecules**, which is why China is building its ghost molecule telescope underwater.



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Govt. Job is Not Anymore A Dream!

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SPORTS

Asian Games 2023 women's cricket

- 1. Indian women team **beat Sri Lanka** women in the final to win the gold medal.
- This is India's second gold medal of Asian Games 2023 in Hangzhou, China.
- 3. Medal winners
 - India Gold
 - Sri Lanka Silver
 - Bangladesh Bronze



Asian Games 2023

- 1. India has reached the unprecedented milestone of **107 medals** at the 19th Asian Games is a momentous achievement.
- 2. India won 28 gold medals, 38 silver medals and 41 bronze medals.
- 3. The **100th mark** was reached after the **women's kabaddi team** beat Chinese Taipei in a nail-biting final in the last time to clinch gold.
- 4. Athletics (best-ever haul of 29 medals) and shooting (22) have been the biggest contributors to India's sweetest century.
- 5. This is also only the **second time India** have won more than 100 medals in any of the three major Games - The Olympics, Commonwealth Games and Asian Games.



OCTOBER MONTH CURRENT AFFAIRS - 2023

6. They had won 101 medals in the 2010 Commonwealth Games in New Delhi.

in A	All Sports +	Q	Search						
Rank	Team/NOC			ŧ	•	0	0	Total	Rank by Total
1	People's Republic of China					104	63	354	1
2	💧 Japan				47	57	65	169	3
3	(e) Republic of	f Korea			36	50	85	171	2
4	📰 India				25	35	40	100	4
5	🔛 Uzbekistan	l.			20	18	26	64	6
6	() Chinese Ta	ipei			17	17	25	59	7
7	Democrati	People's Republic of Ki	orea		11	18	10	39	11

Achievements in 19th Asian Games

- 1. India **finished fourth** in the overall medals tally at the Asian Games 2023.
- 2. This is the country's best-ever medal haul at the quadrennial event in the last 60 years.
- 3. With 107 medals, India's medal tally comprised of 28 gold, 38 silver and 41 bronze.



- 4. India became the only **fourth country** after China, Japan and the Republic of Korea to win 100 or more medals in a single edition of the Asian Games.
- 5. The fourth-place finish was also India's **best-ever rank since the 1962** Jakarta edition when India finished third.
- 6. The men's doubles pair of Chirag Shetty and Satwiksairaj Rankireddy claimed India's maiden gold medal in badminton.

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- 7. The **men's and women's Indian cricket** teams also **won their first gold medals** in the Asian Games on their tournament debuts.
- 8. Sprinter Vithya Ramraj equalled PT Usha's 400m hurdles national record.

Los Angeles 2028 Olympics

- 1. **Cricket is set to be included** in the 2028 Los Angeles Olympic programme.
- 2. **Five sports** have been proposed by the @LA28 Organising Committee for inclusion:
 - Baseball-softball
 - Cricket
 - Flag football
 - Lacrosse
 - Squash
- Cricket has been played in the Olympics only once before, in Paris in 1900, when England and France battled for the gold medal.

World Athlete Of The Year Award

1. World Athletics, the global governing body for athletics, has officially nominated Neeraj Chopra for the prestigious Men's Athlete of the Year award for 2023.



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37th Edition Of National Games

- The 37th National Games were officially inaugurated by Prime Minister Narendra Modi in a ceremony held in **Panaji, Goa.**
- 2. The 37th edition of the National Games has marked a **historic moment** as it is being held in Goa for the very first time.
- The Games, a prestigious sporting event in India, commenced on October
 26 and will run until November 9, bringing together more than 10,000 athletes from across the country.

Asian Para Games Hangzhou: India touched 100 - medal mark

1. In the Asian Para Games at Hangzhou in China, India's overall medal haul has surged to a historic **111-medal mark, comprising 29 gold, 31 silver,**

and 51 bronze.

India's previous best of 72 medals, which was recorded in the 2018 edition of the Asian Para Games in Indonesia.



AWARDS AND EVENTS

Rashtriya Vigyan Puraskar

- 1. The Centre has introduced a new set of **National Awards** in the field of **Science,Technology, and Innovation.**
- 2. It is set to be one of the **highest recognitions** in the field of science, technology, and innovation in India.
- 3. It will be awarded across **four categories.**

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- 4. The 'Vigyan Ratna' Lifetime achievements in any field of science and technology.
- 5. The '**Vigyan Shri**' acknowledges the **distinguished contributions** in any field of science and technology.
- 6. The 'Vigyan Yuva-Shanti Swarup Bhatnagar' To recognize and encourage young scientists under the age of 45 who have made exceptional contributions in any field of science and technology.
- 7. The '**Vigyan Team**' **award** Given to **a team of three or more scientists**, researchers, or innovators who have made exceptional contributions in any field of science and technology.



Global Indian Award

- Renowned author, philanthropist and the wife of Infosys co-founder N.R. Narayana Murthy, Sudha Murthy, was honored with the prestigious Global Indian Award by the Canada India Foundation (CIF) at a grand Indo-Canadian gala in Toronto.
- 2. It is presented annually to an **outstanding Indian personality** who has **left an indelible mark** in their respective field.



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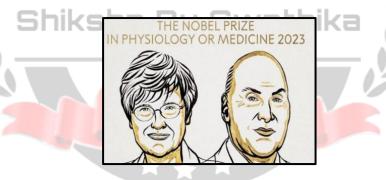
2023 SASTRA Ramanujan Prize

 Ruixiang Zhang, Assistant Professor, University of California, Berkeley, USA will be awarded with the 2023 SASTRA Ramanujan Prize.



Nobel Prize 2023 In Medicine or Physiology

- 1. The 2023 Nobel Prize in Physiology or Medicine has been awarded to Katalin Karikó and Drew Weissman.
- 2. This is for their research that enabled the **development of mRNA vaccines** against COVID-19.



Tata Literature lifetime achievement award

- 1. **Tamil writer Ambai** has been selected for the Tata Literature Live! Lifetime Achievement Award.
- 2. This award recognises and salutes sustained and outstanding contribution to writing and literature in India.
- 3. She won the Sahitya Akademi award for her short story collection Sivappu Kazhutthudan Oru Patchaiparavai in 2021.



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4. Her **first short story collection Sirakukal Muriyum** was published in 1976.

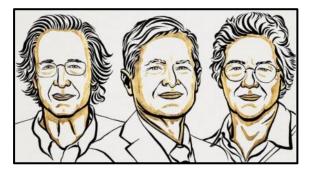


Bal Sahitya Puraskar

- 1. The renowned "Bal Sahitya Puraskar" for 2023 has been awarded by the Sahitya Akademi, India's foremost literary organization, in honor of excellent literary achievements.
- 2. This time, Dilip Nongmaithem, a renowned novelist in the Manipuri language, has received the accolade for his outstanding work, "Ibemma Amasung Ngabemma."



Nobel Prize in Physics 2023



1. The 2023 Nobel Prize in Physics has been awarded to **Pierre Agostini**, Ferenc Krausz, and Anne L'Huillier.

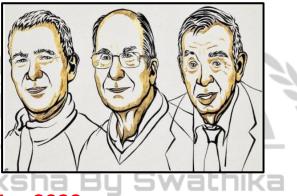
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- 2. This was awarded for experimental methods that generate attosecond pulses of light for the study of electro dynamics in matter.
- 3. Their research has given humanity new tools for exploring the world of electrons inside atoms and molecules.

Nobel prize in chemistry 2023

- 1. The 2023 Nobel Prize in chemistry was awarded to Moungi G. Bawendi, Louis E. Brus and Alexei I. Ekimov.
- 2. They were awarded for the **discovery and synthesis of quantum dots.**



The Nobel Peace Prize 2023

- 1. The Nobel Peace Prize 2023 has been awarded to Iranian activist Narges Mohammadi.
- 2. This is awarded for her fight against the oppression of women in Iran and her fight to promote human rights and freedom for all.

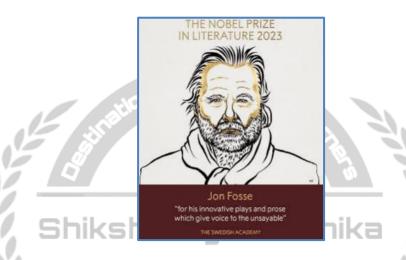


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Nobel Prize in Literature 2023

- The Nobel prize for Literature has been awarded to Norwegian author Jon Fosse.
- 2. Fosse has been awarded the Nobel Prize "for his innovative plays and prose which give voice to the unsayable".
- 3. He has often been referred to as the **'New Henrik Ibsen'** after the iconic Norwegian playwright.



Nobel Prize in Economics - 2023

- 1. The Nobel Prize in Economics for 2023 was awarded to **Claudia Goldin**, a Harvard University professor.
- 2. This is awarded for "having advanced our understanding of women's labour market outcomes and pay gaps".



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Saraswati Samman 2022

- 1. **Tamil writer Sivasankari** presented with the 'Saraswati Samman' 2022 for her **book of memoirs Surya Vamsam**.
- This is awarded to an outstanding literary work of an Indian citizen published during the last 10 years in any of the languages included in Schedule VIII of the Indian Constitution.

Global Teacher Prize 2023

- Deep Narayan Nayak, a school teacher from West Bengal's Asansol, has been selected as one of the top 10 finalists for the Global Teacher Prize 2023.
- 2. Mr Nayak **transformed mud walls into blackboards** and **roads into classrooms**, providing education to those who might otherwise have been left behind.



PERSONALITIES

M.S. Swaminathan

- Mankombu Sambasivan Swaminathan, popularly known as M.S. Swaminathan passed away recently.
- 2. He is the **legendary agricultural scientist** and a key architect of the country's **'Green Revolution.'**

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- 3. In 1954, Dr. Swaminathan joined the Central Rice Research Institute (CRRI), Cuttack and later, IARI.
- 4. In July 1966, he became IARI Director, the post he held till 1972.
- He worked as Principal Secretary, Ministry of Agriculture (1979-80), Acting Deputy Chairman and later Member (Science and Agriculture), Planning Commission (1980-82) and Director General, International Rice Research Institute, the Philippines (1982-88).
- In 2004, Swaminathan was appointed as chair of the National Commission on Farmers, a commission setup to look into farmer distress amid alarming suicide cases.
- 7. He was awarded the first **World Food Prize** in 1987.
- 8. Swaminathan has been conferred with the **Padma Shri**, **Padma Bhushan** and the Padma Vibhushan.
- 9. He is also the recipient of the H K Firodia award, the Lal Bahadur Shastri National Award and the Indira Gandhi Prize.
- 10. Apart from several international awards including the **Ramon Magsaysay** Award (1971) and the Albert Einstein World Science Award (1986).



India's 1st deaf Lawyer

- 1. **Sarah Sunny** made history after she became India's first deaf lawyer to argue in the country's Supreme Court.
- 2. The court also appointed its own interpreter for Ms Sunny, the **first in the court's history.**

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Earlier, the Delhi High Court set a precedent when it allowed deaf lawyer
 Saudamini Pethe to appear in a case.

REPORTS AND INDICES

Global Hunger Index (GHI) 2023

- 1. India ranks 111 out of a total of 125 countries in the Global Hunger Index (GHI) 2023.
- 2. India is ranked **107th** out of 121 countries **in 2022.**
- 3. India's ranking is based on a Global Hunger Index score of 28.7 on a 100point scale where 0 is the best score (no hunger) and 100 is the worst.
- 4. The 2023 GHI score for the world is 18.3, which is considered moderate.

GLOBAL HUN	IGER	INDEX M	ETH	ODOLOGY		nkings and index sco compared with previ		
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Undermourishment	+	Child Stanting	+	Child wasting	+	Child mortality	=	GHI Score
Indicators cover quart used to measure progra						est published data av ources: FAO, UNICEF, 1		

World Talent Ranking 2023

- 1. The 2023 World Talent Ranking was released by the International Institute for Management Development (IMD).
- 2. Switzerland is ranked on top, while Luxembourg was in second place.

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3. Out of **64 economies**, **India** has slipped four spots to **56th position**.



IMPORTANT DAYS

International Day of the Older Persons 2023 - October 01

1. The **theme** for 2023 is "Fulfilling the Promises of the Universal Declaration of Human Rights for Older Persons: Across Generations".



International Coffee Day 2023 - October 01

1. This year's **theme** is "promoting the right to a safe and healthy working environment in the coffee supply chain".



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World Habitat Day 2023 - October 02

1. The theme of that year's World Habitat Day was - Shelter is my right.



World Architecture Day 2023 - October 02

- 1. It happens in parallel with the United Nations' (UN) World Habitat Day.
- The theme for 2023 is "Safe Spaces for All: Accessible Design Leads the Way."



World Nature Day - October 03



- 1. World Nature Day, established by the World Nature Organization.
- 2. (WNO) serves as a crucial platform to raise awareness about the challenges our environment faces, particularly due to climate change.
- 3. Theme: Forests and Livelihoods: Sustaining People and Planet.

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World Space Week – October 04-10

- 1. World Space Week (WSW) is a global celebration that highlights the significance of space science and technology in enhancing human life.
- 2. The theme for World Space Week 2023 is "Space and Entrepreneurship."



World Animal Welfare Day – October 04

- 1. This day serves as an International Day of Action, advocating for the rights and welfare of animals.
- 2. The theme for World Animal Day 2023, "Great or Small, Love Them All".



National Wildlife Week 2023 - October 02 to 08

- 1. It aimed at raising awareness about the importance of wildlife conservation in India.
- 2. Theme: "Partnerships for Wildlife Conservation".



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World Cerebral Palsy Day: October 06

- 1. The day sheds light on the need for increased awareness, understanding and support for those with cerebral palsy.
- 2. The theme for World Cerebral Palsy Day in 2023 is "Together Stronger."



World Cotton Day - October 07

1. The theme for World Cotton Day 2023, 'Making cotton fair and sustainable for all, from farm to fashion,' is championed by the United Nations Industrial Development Organization (UNIDO).



Indian Air Force Day: October 08

- 1. Every year Air Force Day is celebrated on 8 October.
- 2. The **final celebration** of the Indian Air Force Day will be held in **Prayagraj** on October 8.



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World Dyslexia Awareness Day: October 08

- 1. This day is observed every year on 8th October to shed light on dyslexia, a learning difference that affects millions of individuals worldwide.
- 2. The theme for this year's **Dyslexia Awareness Day is Uniquely You.**

World Post Day – October 09

- 1. World Post Day is celebrated each year on October 9th to commemorate the creation of the Universal Postal Union (UPU) in 1874.
- 2. The theme for World Post Day 2023, "Together for Trust: Collaborating for a safe and connected future."

World Mental Health Day – October 10

- 1. World Mental Health Day was established by the World Federation for Mental Health (WFMH) in 1992.
- 2. World Mental Health Day 2023 provides a platform for individuals and communities to unite under the **theme "Mental health is a universal human right."**



International Day of the Girl Child 2023 - October 11

- 1. It was **first celebrated in 2012** as a way to raise awareness about gender inequality and to advocate for girls' rights and empowerment.
- The theme for 2023 is "Invest in Girls' Rights: Our Leadership, Our Wellbeing".

World Arthritis Day 2023 - October 12

1. **Arthritis** refers to joint pain or joint disease, the inflammation or swelling of one or more joints.

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2. The theme of 2023 is "Living with an RMD at all stages of life".

World Sight Day 2023 - October 12

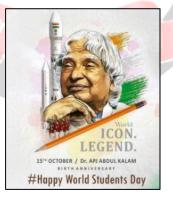
- 1. This day is observed across the globe on the **second Thursday of October** every year.
- 2. Theme for this year is 'love your eyes at work'.

World Migratory Bird Day 2023 - October 14

- 1. The global day which is observed **twice a year**
 - second Saturday of May United States and Canada
 - second Saturday of October other countries.
- 2. The theme of this year is "Water: Sustaining Bird Life".

World Student Day 2023 - October 15

- 1. It is celebrated to mark the **birth anniversary** of the **former President of** India Dr APJ Abdul Kalam.
- 2. The theme for World Students Day 2023 is **"FAIL: stands for First** Attempt in Learning."



International Day of Rural Women 2023 - October 15

- 1. The day acknowledge the vital contributions of rural women to their communities and the global economy.
- 2. The theme of this year is "Rural Women Cultivating Good Food for All."

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Global Handwashing Day 2023 - October 15

- 1. The first Global Handwashing Day was celebrated on **October 15th 2008**.
- 2. This year's theme is "Clean Hands are Within Reach."

World Food Day 2023 - October 16

- 1. This day is aimed marks the establishment of the Food and Agriculture Organization (FAO) of the **United Nations in 1945.**
- 2. The theme for 2023 is 'Water is Life, Water is Food. Leave No One Behind.'

International Poverty Eradication Day 2023 - October 17

- 1. The first observation of the day can be traced back to 17th October 1987.
- 2. Theme for 2023 is 'Decent Work and Social Protection: Putting dignity in practice for all'.

World Statistics Day 2023 - October 20

- The United Nations General Assembly established this day on 20th October 2015.
- 2. The theme for 2023 is "Connecting the world with data we can trust."

World Osteoporosis Day 2023 - October 20

- 1. Osteoporosis is a **bone disorder** characterized by abrupt structural alterations in the bones.
- 2. "Step Up for Bone Health-Build Better Bones" is the theme of 2023.



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Global Iodine Deficiency Disorders Prevention Day 2023 -October 21

- 1. The day is dedicated to **raising awareness** about the critical role of iodine in our health.
- 2. **Iodine**, an essential mineral required for **thyroid hormone production**, plays a vital part in our bodily functions.

Mole Day 2023 - October 23

- 1. It is celebrated every year on 23 October from 6:02 a.m. to 6:02 p.m.
- It commemorates chemistry's measuring unit called "Avogadro's Number" (6.02 x 10²³).

World Snow Leopard Day 2023 - October 23

- 1. The acceptance of the **Bishkek Declaration** on the **conservation of snow leopards** was signed by **12 countries** on October 23, 2013.
- India, Nepal, Bhutan, China, Mongolia, Russia, Pakistan, Afghanistan, Kyrgyzstan, Kazakhstan, Tajikistan, and Uzbekistan were among the 12 countries.

International Day of Diplomats 2023 - October 24

1. This day aims to bridge the gap in perception and reality of diplomats' lives among the general public.

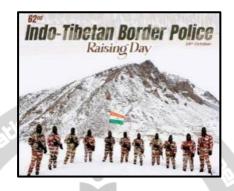
United Nations Day 2023 - October 24

- 1. The day marks the **anniversary** of the day when the **UN Charter entered into force in 1945.**
- 2. On October 24, 1945, the United Nations was officially established.
- 3. This year's United Nations Day Concert is on the theme of **"The Frontlines of Climate Action".**



ITBP Raising Day 2023 - October 24

- The 62nd Indo-Tibetan Border Police (ITBP) Raising Day was observed this year.
- 2. This Day helps **commemorate the valour and sacrifice** of these policemen.
- 3. They are now covering a distance of **3,488 km of the India-China border**.



National Solidarity Day 2023 - October 20

1. This day is observed to honour the soldiers who fought during the Sino-Indian War of **1962**.



World Polio Day 2023 - October 24

- 1. India completes **12 polio-free years** and the last polio case in India was detected in 2011.
- 2. The theme for 2023 is "A healthier future for mothers and children."

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World Day for Audiovisual Heritage 2023 - October 27

1. The theme for 2023 is "Your Window to the World".

World Stroke Day 2023 - October 29

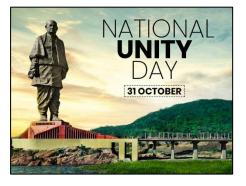
- 1. Worldwide, brain stroke is the second leading cause of death and third leading cause of disability.
- 2. The average incidence rate of stroke in India is **145 per one lakh** (1,00,000) population.
- 3. Theme for 2023 is "Together we are #Greater Than Stroke".

World Thrift Day 2023 - October 30

- 1. This occasion is celebrated to promote the habit of thrifting and better management of money and wealth.
- 2. Theme for 2023 is "Conquer your Tomorrow" through savings!

Rastriya Ekta Diwas 2023 - October 31

- 1. Sardar Vallabhbhai Patel's birthday is now celebrated as **Rashtriya E**kta Divas or National Unity Day.
- It aims to honour his monumental achievement of integrating more than
 550 princely states into the Union of India.
- 3. He is popularly known as the Bismack of India and "Iron Man of India".



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World Cities Day 2023 - October 31

- 1. The day serves as an opportunity to promote the international community's interest in global urbanization.
- 2. Theme for 2023 is "Financing sustainable urban future for all".

