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Address: Chandmari Centre 3rd Floor, Above Bimal Auto Agency, Chandmari Flyover U Turn, Guwahati

Contact Info 7670046464

Adabari Centre 2nd Floor, Letu Ram Das Market, Adabari Tiniali, Adabari, Guwahati

Contact Info 9864093327

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# CAREER FLITE<sup>®</sup>

*giving flight to your career*

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Once again, welcome to our community of shared principles and values. Wish you happy, healthy, and fruitful years ahead.

Looking forward to welcoming you to the Institute.



Sep-23

MONTHLY  
**CURRENT  
AFFAIRS**  
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**NEWS CREDIT**

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TIMES

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INDIA TODAY

MONEY  
CONTROL

AND ALL OTHER

LEADING  
NEWSPAPERS

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Business News, Financial News, Economy News, Politics News, India News, Breaking News, Indian Economy, International News, Sports News, and many more topics covered.....



## Important Personalities

- Who has been taken charge as CBIC Chairman? **Sanjay Kumar Agarwal**
- Which company has become first member from India to join Asia Transition Finance Study Group? **Power Finance Corp**
- Who has become the first woman to lead US Navy? **Lisa Franchetti**
- Who has been elected as chair of WTO's 13th Ministerial Conference? **Dr Thani Zeyoudi**
- Dentsu X India has appointed whom as its chief executive officer? **Jose Leon**
- Recently, Irshad Ahmad has been appointed as India's next Ambassador to which country? **Syria**
- Name the current Enforcement Directorate chief, who has recently got extension till September 15, 2023? **Sanjay Kumar Mishra**
- Who has assumed the role of chair for the 62nd Session of Social Development? **Ruchira Kamboj**
- Recently, Government of India has extended Atal Beemit Vyakti Kalyan Yojana for how many years? **Two years**
- Who has been elected as the new chair of the Intergovernmental Panel on Climate Change, in Nairobi, Kenya? **James Ferguson**
- Microsoft has appointed whom as the new Corporate Vice President of Microsoft India and South Asia? **Puneet Chandok**
- According to the Association for Democratic Reforms, which state has the largest number of Billionaire MLAs? **Karnataka**
- Who has been taken charge as the Flag Officer Commanding-in-Chief of the Eastern Naval Command? **Rajesh Pendharkar**
- Who has been appointed as the additional DG of Military Nurse Service? **Amita Rani**
- Which Indian-American has been made the head of the FBI field office in Salt Lake City? **Shohini Sinha**
- Name the Cabinet Secretary who has recently got one-year extension? **Rajiv Gauba**
- What is the name of the CEO of HDFC Bank who has become the highest paid bank CEO in FY23? **Sashidhar Jagdishan**
- Hun Manet has been appointed as Prime Minister of which country? **Cambodia**
- Who has been taken oath as 33rd CJ of Orissa High Court in August 2023? **Subhasis Talapatra**
- World Professional Wrestling Hub has appointed whom as its Brand Ambassador? **Sangram Singh**
- In August 2023, Anwar-ul-haq Kakar has been taken oath as caretaker PM of which country? **Pakistan**
- Centre has recently appointed whom as LIC Managing Director? **R Doraiswamy**
- Recently in August 2023, Tamil Nadu CM Stalin has unveiled a life-size bronze statue of whom in Madurai? **TM Soundararajan**

01 AUGUST



**Importance:** To mark the Anniversary of the Battle of Minden and the emancipation of slaves.

**Motto:** To promote the historic English county of Yorkshire.

**Inception:** 1975

**Founded By:** Yorkshire Ridings Society

**History Behind:**

- This Day is to remember and celebrate the largest county in the UK, Yorkshire.
- Originating as a military holiday, it includes the emancipation of slaves in 1834, and some protests about losing Yorkshire's cultural identity.

- Bihar government has appointed whom as the Chairperson of the State Women Commission? **Ashwamedh Devi**
- Who has become the first woman from Nagaland to preside over the Rajya Sabha as a Member of Parliament? **Phangnon Konyak**
- Recently, Prabhat Kumar has been appointed as India's next High Commissioner to which country? **South Africa**

- Who has been appointed as the CMD of Power Finance Corporation (PFC)? **Parminder Chopra**
- Name the Athletics Federation of India chief who has elected to World Athletics Executive Board? **Adille Sumariwalla**
- PR Seshadri has recently appointed as the new MD & CEO of which bank? **South Indian Bank**
- Bharat Petroleum Corporation Limited has appointed whom as its new brand ambassador? **Rahul Dravid**
- Who has assumed the role of part-time Chairperson of UIDAI? **Neelkanth Mishra**
- The election commission of India has designated whom as "national Icon"? **Sachin Tendulkar**
- Justice Prakash Shrivastava has been appointed as Chairperson of National Green Tribunal by replacing whom? **Justice A K Goel**
- Srettha Thavisin has recently elected as the Prime Minister of which country? **Thailand**
- Who will chair the recently constituted advisory board on bank frauds by Central Vigilance Commission? **Suresh N Patel**
- Who has been appointed as Chairman of Smart e-

- Mobility? **Manoj Kohli**
- The newly appointed committee to "Restructuring And Redefining" Role Of DRDO will be led by whom? **K Vijay Raghavan**
- Jayant Savarkar, who has passed away recently, was associated with which field? **Acting**
- Name the veteran Punjabi singer, who has passed away recently in July 2023? **Surinder Shinda**
- Name the Congress leader and former Speaker who has passed away recently - **Vakkom Purushothaman**
- Namdeo Dhondo Mahanor, who has passed away recently was the poet of which language? **Marathi**
- Former IAS officer N Vittal, who has passed away, was awarded by Padma Bhushan in which year? **2012**
- Folk singer Gummadi Vittal Rao who has passed away recently, was from which state? **Telangana**
- Siddique, who has passed away recently, was a famous - **Filmmaker**
- Renowned author Hari Narke, who has passed away, was a member of which committee? **Rangnath Pathare committee**

15 AUGUST



**Importance:** To mark the end of British rule in 1947 and the establishment of a free and independent Indian nation.

**Interesting Facts behind:**

- India is known as Bharat Ganarajya in Sanskrit.
- Our country got its name 'India' from the River Indus.
- India had no national anthem when it became an independent country.
- Hindi was declared as the official language of India on 14th September, 1949.
- The Governor General was the only and the most authoritative person in India at the time of independence.
- India became independent on July 18, 1947, Lord Mountbatten declared 15th August as the date of Independence because this date observed the second anniversary of the surrendering of Japan to the Allied Forces during World War II.
- India shares its Independence Day with five more countries on August 15, but with different years. The countries are Bahrain, North Korea, South Korea, Congo, and Liechtenstein.

06 AUGUST



**Importance:** To mark the anniversary of the atomic bombing of Hiroshima and Nagasaki by the United States in 1945.

**Edition:** 78th

**History behind:**

- During World War II on 6 August, 1945, US dropped an atomic bomb on the city of Hiroshima in Japan by an American B-29 bomber.
- The 9000-pound Uranium-235 bomb was loaded on B-29 bomber named as "Enola Gay".
- This nuclear bomb was named as "Little Boy".
- The explosion wiped out around 90% of the city and around 80,000 people were killed and more than 35,000 people were injured.

**Note:** This day serves as a day of remembrance and as a focus for anti-war and anti-nuclear discussions and demonstrations.

## National & International News

- Which state government has introduced a bill to guarantee social security to gig workers? **Rajasthan**
- Who has launched the Malayalam translation of Krishna – the 7th Sense by Debashis Chatterjee? **Arif Mohammed Khan**
- Machail Mata Yatra has been started in which state from July 25? **Jammu & Kashmir**
- Which state has the highest crime rate against Dalits? **Madhya Pradesh**
- PM Modi has inaugurated Gujarat's first Greenfield Airport in which city? **Rajkot**
- The 4th edition of ECSWG & Environment & Climate Ministers' meeting begins in which city? **Chennai**

08 AUGUST

### Quit India Movement

**Importance:** To mark the inception of the Quit India Movement that was launched at the Bombay session of the All India Congress Committee on August 8, 1942.

**By:** Mahatma Gandhi

**Motto:** To pay tribute to freedom fighters with national integration speeches and other events.

**Also Known as:** August Kranti or Bharat Chodo Andolan

**Note:**

- The Quit India Movement took place right in the middle of World War II.
- In 1992 RBI issued a 1 rupee commemorative coin to mark the Golden Jubilee of the movement

- How many railway stations has been covered under Amrit Bharat Station Scheme? **1309**
- Which agency has launched anti-doping helpline number for athletes in July 2023? **National Anti-Doping Agency**
- Recently launched "Mera Gaon Meri Dharohar" is an initiative of which ministry? **Ministry of Culture**

- The recently passed Forest Conservation (Amendment) Bill 2023, exempts land within \_\_\_\_\_ km of the country's borders from conservation laws. **100 Km**
- Which state has announced to set up Mangrove Cells? **West Bengal**
- The Asian Youth & Junior Weightlifting Championship 2023 has been inaugurated in which state? **Uttar Pradesh**
- Which Union Ministry is associated with the recently passed Cinematograph (Amendment) Bill, 2023? **Ministry of Information and Broadcasting**
- Recently, Prime Minister has inaugurated 6 Eklavya Model Residential Schools in which state? **Rajasthan**
- In which city will the world's largest museum 'Yuge Yugeen Bharat' be built? **New Delhi**
- Which state is on the top of the list of missing women in India of 2021 with 56,498 women? **Maharashtra**
- Prime Minister Narendra Modi has inaugurated Semicon India 2023 in which city? **Gandhinagar**
- The recently started Machail Mata Yatra is associated with which state/UT? **Jammu**
- Diego Godin has announced his retirement from which sport? **Football**
- Which state government has approved Water Tourism and Adventure Sports Policy 2023? **Uttar Pradesh**
- Recently, National Mission for Clean Ganga has approves how many projects worth Rs 692 Cr? **07**
- Which ministry has launched National Action Plan for Drug Demand Reduction (NAPDDR)? **Ministry of Social Justice and Empowerment**
- Recently, who has proposed Maharashtra Global Med Tech Zone? **Narayan Rane**
- Which state government has inaugurated state's first Gas Insulated Substation? **Arunachal Pradesh**
- How many remote pilot training organizations have been approved by DGCA for drone training? **63**
- Naya Savera Yojana has been launched by which union ministry? **Ministry of Minority Affairs**
- Assam govt has decided to recognize marriages of which religion under Anand Marriage Act 1909? **Sikh**
- Recently, Finance ministry has approved "navratna" status for which company? **ONGC Videsh**
- Union Minister of Steel Jyotiraditya Scindia has recently unveiled the new logo of which company in August 2023? **National Mineral Development Corporation**

- In August 2023, which state has passed bill to prevent cheating in competitive exams? **Jharkhand**
- Shubhayatra scheme has been introduced by which state? **Kerala**
- Which ministry has implemented "Naya Savera" or "Free Coaching and Allied" scheme? **Ministry of Home Affairs**
- Which two drugs have been banned from sale by the Ministry of Health in August 2023? **Ketoprofen and Aceclofenac**
- Recently, PM Modi has sanctioned Rs 24,470 Crore to revamp of how many Railway Stations under Amrit Bharat Scheme? **508**
- Which state will constitute "Rhino Task Force" for reintroduction of Rhino Conservation Scheme? **Bihar**
- Which city has been chosen for tourism development under Swadesh Darshan 2.0? **Prayagraj, Naimisharanya**
- Haryana govt is planning to build dam at cost of 6,134 crore rupees on which river? **Yamuna**
- Which state assembly has recently passed resolution against Uniform Civil Code? **Kerala**
- Nirmala Sitharaman lays foundation stone for Adichanallur museum in which state? **Tamil Nadu**
- Rajouri Chikri which has recently got GI Tag in J and K is a - **Wooden craft**
- Which state government has launched Gruha Lakshmi Scheme 2023? **Telangana**
- India Startup Festival 2023 has recently began in which city? **Bengaluru**
- Recently, Rajya Sabha has passed the Constitution (Scheduled Castes) Order Amendment Bill 2023, this bill will modify the list of Scheduled Castes of which state? **Chhattisgarh**
- The recently launched scheme "Indira Gandhi Smart Phone" in Rajasthan is associated with - **Women**
- Maa Narmada Lok will be built in which state? **Madhya Pradesh**
- Who has inaugurated the 9th India- International MSME Expo and Summit 2023 in New Delhi? **Manoj Sinha**
- In August 2023, which state assembly has passed a resolution urging the Center to change the name of the state? **Kerala**
- India's first post office near LoC has been inaugurated in which district of Jammu and Kashmir? **Kupwara**
- Which railway station of Maharashtra has become the third "Pink Station" within the Central Railway? **New Amravati**
- Which state has recorded maximum cases of cancer in India? **Uttar Pradesh**
- Which state government has announced to launch scheme "Abua Awas Yojna"? **Jharkhand**
- Which ministry will host first-ever summit on traditional medicine with WHO in Gujarat? **Ayush Ministry**
- Recently, PM Modi has laid the foundation of temple of which Indian Saint at Badtuma, MP? **Sant Ravidas**
- In a first in India, which state will give free IVF treatment in government hospital? **Goa**
- The 'A-HELP' programme and Infertility Camp for Livestock under Inclusive Development were launched in which state? **Gujarat**
- The central government has allocated Rs 57613 cr for 10000 new e-buses under which scheme? **PM e-Bus Seva**
- Which scheme has introduced by the centre to support traditional artisans' skill development? **Vishwakarma Yojana**
- India's first drone common testing centre will be established in which state? **Tamil Nadu**
- Who has launched "My Bengal, Addiction Free Bengal" Campaign under the "Nasha Mukta Bharat Abhiyan"? **Droupadi Murmu**

09 AUGUST



**Importance:** To pay tribute to the victims of the people who died when US dropped atomic bomb on the Nagasaki city of Japan in 1945 during World War II.

**Edition:** 78th

**History Behind:**

- Bomb that was dropped on Nagasaki was known as "Fat Man".
- The "Fat Man" bomb was plutonium based nuclear bomb.
- This bomb was more powerful than used at Hiroshima.
- The weight of the bomb was nearly 10,000 pounds and was built to produce a 22-kiloton blast.

**Note:** After this Japan surrendered to US in World War II.



- Uttar Pradesh's first e-office system launched in which city? **Kannauj**
- Indian National Centre for Ocean Information Services (INCOIS) has recently launched which app for seafarers? **SAMUDRA**
- The Maharashtra government has launched which scheme to Connect Tribal Villages with Main Roads? **Bhagwan Birsa Munda Jodaraste Scheme**
- Which Tulip Garden has been recognized as Asia's largest tulip garden by the World Book of Records? **Indira Gandhi Memorial Tulip Garden**
- Recently granted of Geographical Indication (GI) tag Matti banana, is a variety native of which state? **Tamil Nadu**

09 AUGUST



INTERNATIONAL DAY OF THE WORLD'S  
INDIGENOUS PEOPLES

**Importance:** To mark the first meeting, in 1982, of the UN Working Group on Indigenous Populations of the Sub-Commission on the Promotion and Protection of Human Rights.

**Inception:** 1995

**Motto:** To strengthen the international cooperation for solving problems faced by indigenous peoples in areas such as human rights, the environment, development, education, health, economic and social development.

**Organisation Involved:** UNGA

**Who are Indigenous peoples?**

- Indigenous peoples are inheritors and practitioners of unique cultures and ways of relating to people and the environment.
- They have retained social, cultural, economic and political characteristics that are distinct from those of the dominant societies in which they live.

- Which airport has become first in northeast to get 'Digi Yatra'? **Guwahati airport**
- The foundation stone of the largest desalination project in South East Asia has been laid in which state? **Tamil Nadu**
- The 15th summit of the BRICS group is being held under the chairmanship of which country? **South Africa**

- The 3rd G20 Anti-Corruption Working Group Meeting will be held in which city? **Kolkata**
- Bubonic Plague has recently hit which country in August 2023? **China**
- Recently, Om Birla has inaugurated the 9th Commonwealth Parliamentary Conference in which state? **Rajasthan**
- Gujarat's first multi-purpose Hospitality and Convention Centre has recently opened in which city? **Surat**
- Which state has become the first in India to operationalize an Ayushman Bharat Digital Mission Microsite? **Mizoram**
- Which University has become category 1 university in the recent NAAC assessment? **Madras University**
- As per the new curriculum framework launched by the Education Ministry, Board examinations will be conducted - **Twice a year**
- The BRICS Urbanisation Forum will be held in which city? **Durban**
- Recently, Bhutan has announced a successful elimination of which disease? **Rubella**
- With which country India will set up sustainability working group? **Finland**
- Which country will host the 5th World Coffee Conference (WCC) 2023? **India**
- World Wide Web Day 2023 has been observed on which day recently? **01 August**
- Which city has been recommended by UNESCO to be in "heritage danger list"? **Venice**
- The 18th Century Tamil Manuscripts has discovered in which country? **Italy**
- Iraq has become 18th country recognised by WHO for eliminated which disease in August 2023? **Trachoma**
- During the 7th BRICS meeting, which country has planned to launch the BRICS Startup Forum in 2023? **India**
- Which country has topped in 16th International Olympiad on Astronomy and Astrophysics in Poland? **United Kingdom**
- The first Foreign Office Consultations has held between India and which country in August 2023? **Samoa**



## Banking & Economy

- Recently, RBI has included which bank in the list of scheduled banks Under Schedule II of RBI Act, 1934? **NongHyup Bank**
- Recently, Government has extended Atal Beemit Vyakti Kalyan Yojana for how many years? **Two years**
- Recently, NITI Aayog has allocated how much budget to establish India's first Atal Incubation Centre at the Kerala University of Fisheries and Ocean Studies? **Rs 10 crore**
- What will be the new name of Adani Transmission? **Adani Energy Solutions**
- In 2023, which bank has emerged as the leader in CRISIL's corporate banking ranking? **HDFC Bank**
- As of August 2023, who is the world's richest woman? **Francoise Meyers**
- Central Bank has raised the per transaction limit for UPI Lite to how much? **500 rupees**
- Which ministry has formed New Standing Committee on Statistics to enhance oversight of NSO Data? **Ministry of Statistics**
- Based on the FY23 revised budget estimates, which state has topped the fiscal health report? **Maharashtra**
- According to SBI Research Study Finds, India's per capita income projected to soar 7.5 times by which year? **2047**
- According to SBI chief economist, India will become third largest economy by which year? **2027**
- The Asian Development Bank has approved USD 40.5 Million loan to enhance childhood development and maternal mental health in which state? **Meghalaya**
- According to CRISIL, what will be the India's GDP growth in FY24? **6%**
- As per the recent monetary policy committee announcement, what is the repo rate as of August 2023? **6.5 %**
- Which state has topped in getting bank funds for projects for 2nd year in row? **Uttar Pradesh**
- The G20 pandemic fund has recently allocated how much to India to enhancing pandemic readiness? **\$25 million**
- Which state government has signed a MoU with BCEIP to expand employment opportunities for the youth? **Punjab**
- Which state government has inked pact with IFSCA to support fintech startups? **Kerala**
- ICC has tied up with which company for Men's Cricket World Cup 2023? **Mastercard**
- Recently, Union Bank has collaborated with which tech company to co-create Digital Business platform? **IBM**
- India has signed a \$200 mn loan deal with which international organisation to enhance urban services in Rajasthan? **Asian Development Bank**
- Which Indian University has signed MOUs with 2 US Universities? **University of Mumbai**
- Which country has agreed to sign MoU with India for cooperation in agriculture in July 2023? **Moldova**
- After Bangladesh which country has recently agreed with India to trade in Indian rupee? **Malaysia**
- Which company has signed MoU with ALIMCO for providing assistive devices to Divyangjans? **NHPC Limited**
- TRAI has tied up with whom to establish cooperation in the field of telecommunication? **C-DOT**
- Which country has joined hands with Circle Founders Club to solve India's water challenge? **Israel**
- Which company has collaborated with Tata Play to launch GSAT-24, a communication satellite? **NewSpace India**
- Which company has partnered with the Ministry of Tourism to showcase 600-plus offbeat destinations? **MakeMyTrip**
- Which bank has recently partnered with RBI Innovation Hub to launch Kisan Credit cards? **Axis Bank**
- 'One District One Product' launched its collaboration with which Union Ministry? **Ministry of Rural Development**

12 AUGUST

INTERNATIONAL  
YOUTH DAY



## Awards & Recognitions

- Which bollywood actor will be honoured with the rising global superstar of Indian Cinema Award? **Kartik Aaryan**
- Who has been awarded with Lifetime Achievement Award at the Global Education Mentor Awards program? **Prem Prakash**
- Which railway station from Maharashtra ha got UNESCO's Cultural Heritage award? **Byculla railway station**
- Who has been conferred with Lokmanya Tilak National Award? **Narendra Modi**
- Who has clinched Gold medal in shooting at the FISU World University Games? **Aishwary Pratap Singh Tomar**
- Who will receive Golden Eye award at Zurich Film Festival? **Diane Kruger**
- Who has earned title "The Forest Man Of India."? **Jadav Payeng**
- Who has won the Swedish rights prize? Svetlana **Tikhanovskaya**
- Which company has been honored with the Tech Startup of the Year (Artificial Intelligence) award? **Jio Haptik**
- Who has received the Lifetime Achievement Award at the RICS South Asia Awards? **Subhash Runwal**
- Which documentary has won the Indian Film Festival of Melbourne Award in best documentary category? **To Kill a Tiger**
- On the occasion of Independence Day 2023, President of India has given its approval for how many Gallantry awards? **76**
- Who has received the President's Tatrakshak Medal (Distinguished Service)? **Manoj Vasant Baadkar**
- Name the Indian-American economist who has been awarded by the George Ledlie Prize? **Raj Chetty**
- Who has been conferred with the first ever "Udyog Ratna" award instituted by the Maharashtra government? **Ratan Tata**
- Which India has become jury member at Emmy Awards 2023? **Radhika Madan**
- Who has been awarded by CSR TIMES Lifetime Achievement Award? **Shallu Jindal**
- Name the Indian Filmmaker who has won "Best Original Story Award" at "Cannes World Film Festival" for "Deadline"? **Shihan Shoukath**

15 AUGUST



**ORGAN DONATION DAY**  
CAN SAVE A LIFE



**Motto:** This day strives to motivate people to donate their healthy and precious organs after death to save lives. Donating an organ is like gifting life to someone because one organ donor can save up to eight lives.

**Facts behind:**

- A donor can initiate to donate organs like heart, liver, intestine, kidneys, lungs and pancreas after his or her death.
- In the case of natural death tissues of cornea, heart valves, bone and skin can be donated whereas other vital organs like heart, liver, intestines, kidneys, lungs, and pancreas can only be donated in the case of brain death.
- After organ failure, vital organs like heart, liver, intestines, kidneys, lungs and pancreas can be transplanted into the patient to help the recipient lead a normal life.
- Anyone can be an organ donor irrespective of age, caste, religion, community etc.



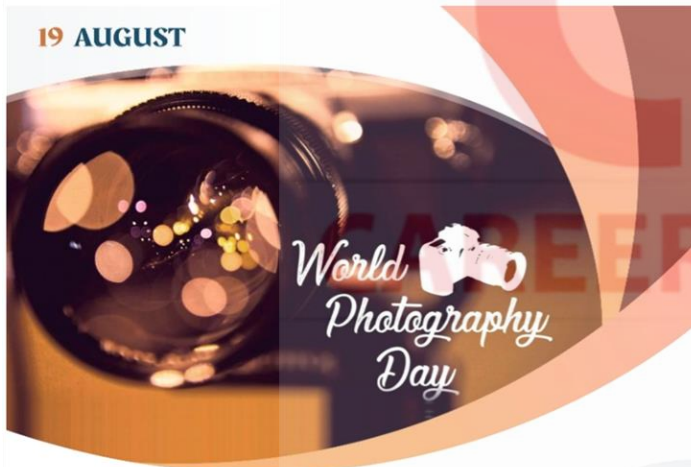
## Sports

- Lahiru Thirimanne, who has announced his retirement from international cricket, played for which country? **Sri Lanka**
- Who has won Tampere Open 2023 and his fourth ATP Challenger title? **Sumit Nagal**
- Who has clinched gold medal in Men's 50 metre pistol event? **Kamaljeet**
- Which Indian has won the gold medal in the World Youth Deaf Badminton Championship? **Gauranshi**
- Syazrul Ezat Idrus, who has become first to take seven wicket in T20 cricket format, is from which country? **Malaysia**
- Which two mountaineers has set a record for the fastest expedition of 14 peaks above 8000 meters within 92 days? **Kristin Harila and Tenjen Sherpa**
- Which female Indian cricketer has been suspended for Code of Conduct breach in July 2023? **Harmanpreet Kaur**
- Which city will host India's first IAU 50 Km World Championships? **Hyderabad**
- Who will lead Team India for Ireland T20? **Jasprit Bumrah**
- Stuart Broad, who has announced his retirement, is associated with which sport? **Cricket**
- Which state has signed a deal with Foxconn to establish mobile phone component manufacturing facility? **Tamil Nadu**
- Who has won the Belgian Grand Prix with an eighth straight win? **Max Verstappen**
- Recently, ISRO has launched seven satellites of which country with PSLV-C56 rocket? **Singapore**
- In which city is the 7th Hockey Men's Asian Champions Trophy being organized? **Chennai**
- D Gukesh has recently overtaken whom as India's top-ranked chess player? **Viswanathan Anand**
- The Assam government has planned to set up a National Centre of Excellence for which sport? **Badminton**
- Alex Hales, who has announced his retirement from International Cricket, played for which country? **England**
- Recently, Priya Malik has won gold medal in which category at the U20 World Wrestling Championships in Jordan? **76 kg**
- Which Indian became the youngest world champion in archery? **Aditi Swami**
- Who has clinched women's doubles title in Barcelona, Spain? **Prarthana Thombare**
- Which football club has won the FA Community Shield 2023? **Arsenal FC**
- Which agency has launched short movie series "Halla Bol" under campaign "Cheer4India"? **Sports Authority of India**
- Which Indian Hockey player has recently completed 100 international matches? **Krishan Pathak**
- Indian wrestlers have won how many medals at World Cadet Wrestling Championships 2023? **11**
- Who has won maiden ATP Masters 1000 title at the Canadian Open? **Jannik Sinner**
- What is the rank of India in the latest FIH Men's Hockey Rankings? **Third**
- Which country won the title of Asian Hockey Champions Trophy 2023? **India**
- Who has been named ICC Player of the Month for July 2023? **Chris Woakes**
- India has recently got its first-ever night street racing circuit in which city? **Chennai**
- The Indian air pistol team has clinched bronze at ISSF World Championship under which category? **10m**
- Who has won the U20 World Wrestling Championships? **Mohit Kumar**
- Who has clinched gold in Asian Junior Squash? **Anahat Singh**
- Which country has won the World Cup 2023 (Women's World Cup champions)? **Spain**
- Which state government has planned to organize "Pro Govinda" competition on Janmashtami? **Maharashtra**
- Who has become the second Indian to reach semi-finals in FIDE World Cup? **R Praggnanandhaa**
- Khelo India Women's League has recently been renamed as - **Asmita Women's League**

## Science & Technology

- What is the strike range of the indigenously under developing Long-Range Surface-to-Air Missile? **400 km**
- PM Modi has launched a new type of Urea called "Urea Gold" which is coated with which element? **Sulphur**
- What is the name of world's largest private communications satellite, launched recently? **Jupiter 3**
- Who launches India's first Indigenously developed Next Generation Magnetic Resonance Imaging (MRI)? **Dr Jitendra Singh**
- Recently, China has activated world's largest Wind Turbine with how much capacity? **16 MW**
- The recently delivered first Radio Frequency Seeker of Akash to DRDO is developed by which company? **Bharat Dynamics**

19 AUGUST



**Importance:** To mark the purchase of patent of Daguerreotype process by French government and make it free to the world as a gift in 1839. This day originates from the invention of the Daguerreotype, a photographic process developed by Frenchmen Louis Daguerre and Joseph Nicéphore Niepce in 1837.

**Inception:** 1839

**Motto:** To pay homage to the history of photography, celebrate the present and leave a positive trail for the future.

**Interesting Facts behind:**

- The earliest known permanent photographic image was created by a more complex process called heliography in 1826.
- The exposure time needed to create that photograph was eight hours.
- The 1st selfie was taken by Robert Cornelius in 1839.

- The Indian Air Force has received Spike Non-Line of

- Sight (NLOS) anti-tank guided missiles from which country? **Israel**
- Name the Autonomous Underwater Vehicle for mine detection developed by India? **Neerakshi**
- Which country has planned to launch lunar lander in the first week of August 2023? **Russia**
- Defence Ministry has decided to replace the Microsoft Operating System in all computers connected to the Internet with which new OS? **Maya**
- What is the name of recently developed manned scientific submersible? **MATSYA6000**
- Which state government has unveiled "Sinh Suchna" Web App? **Gujarat**
- CM solar mission has recently launched in which state? **Meghalaya**
- What is the name of the Indian mission send by ISRO next month to study the Sun? **Aditya-L1**
- Which Indian corvette has taken part in the festivities commemorating Singapore's 77th Independence Day? **INS Kulish**
- What is the name of India's first long-range revolver which has been launched in August 2023? **Prabal**
- Which ministry has launched the "Graphene-Aurora Program"? **Ministry of Electronics**
- Which bank has launched "IRIS" Mobile App, a comprehensive mobile banking solution app? **Yes Bank**
- The First Indian EV Company OneElectric will start its Production in which country? **Africa**
- In a collaboration with which Indian Institute of Technology, Wipro has unveiled a Center of Excellence dedicated to Generative Artificial Intelligence? **IIT Delhi**
- The Appointments Committee of the Cabinet has approved the appointment of whom as SEBI Whole-Time Member/Members? **Kamlesh Varshney and Amarjeet Singh**
- Recently, President Droupadi Murmu has inaugurates which vessel as part of Project 17A? **INS Vindhyagiri**
- Which Indian submarine has recently set a record for the longest deployment with a travel distance of 7000 km? **INS Vagir**

## Miscellaneous

- World Drowning Prevention Day 2023 has been observed on which day of July? **25 July**
- Exercise Talisman Sabre 2023 has been organised by which country? **Australia**
- What is the theme of World Hepatitis Day 2023? **One life, One liver**
- Who has topped in the list of Britain's best-dressed personalities for 2023? **Akshata Murty**
- World Lung Cancer Day 2023 has been observed on which day recently? **01 August**
- Name the Indian-origin author whose debut novel "Western Lane" has been listed in Booker Prize? **Chetna Maroo**
- Recently launched book "How Prime Ministers Decide" has been authored by whom? **Neerja Chowdhury**
- Which country will host 27th edition of 10-day Malabar exercise? **Australia**
- Which famous personality death anniversary has been observed on 7th of August? **Rabindranath Tagore**
- European Union has declared which month of 2023 as the hottest month ever recorded on Earth? **July**
- Recently launched novel "Too Good To Be True" has been authored by whom? **Prajakta Koli**
- World Elephant Day 2023 has been observed on which day of August 2023? **12 August**
- The recently launched book titled "Monsoon: A Poem of Love and Longing" has been authored by whom? **Abhay Kumar**
- A collection of poems "Kuch Adhure Shabd" has been penned by whom? **Ashutosh Agnihotri**
- Parsi New Year 2023, also referred to as Navroz or Nowruz, has been started from which day of August 2023? **16th August**
- Indian Air Force will hold which multi-national exercise in 2024, originally scheduled for October 2023? **Tarang Shakti**
- Which movie was screened during the inauguration of first G20 Film Festival? **Pather Panchali**
- World Mosquito Day 2023 has been observed on which day of August? **August 20**
- Recently, 115th birth anniversary of who has been organised by the Tripura government? **Maharaja Bir Bikram**
- The documentary film "Bay of Blood", which has genocide in Bangladesh, directed by whom? **Krishnendu Bose**
- What is the theme of World Water Week 2023? **Seeds of Change: Innovative Solutions for a Water-Wise World**
- The recently launched book "Drunk on Love: The Life, Vision and Songs of Kabir", has been authored by whom? **Vipul Rikhi**

19 AUGUST



**Importance:** To mark the killing of Sergio Vieira de Mello, the UN's top representative in Iraq by a terrorist attack in Baghdad on 19 August 2003.

**Motto:** To pay tribute to aid workers who risk their lives in humanitarian service, and to rally support for people affected by crises around the world.

**Inception:** 2008

**1st celebrated:** 2009

**By:** UNGA

Humanitarian means: Having concern for or helping to improve the welfare and happiness of people.

**"If you can't feed a hundred people, feed just one." – Mother Teresa**

## Important Days

Day	Observed/Celebrated As	Motto/Importance
2 September	Coconut Day	This Day helps to create awareness for the importance of this fruit in poverty reduction.
5 September	International Day of Charity	To commemorate the death anniversary of Mother Teresa
5 September	Teachers' Day	To mark the birth anniversary of Bharat Ratna recipient Dr Sarvepalli Radhakrishnan
8 September	International Literacy Day	Promoting literacy for a world in transition: Building the foundation for sustainable and peaceful societies
10 September	World Suicide Prevention Day	CREATING HOPE THROUGH ACTION
14 सितंबर	हिंदी दिवस	14 सितंबर 1949 को संविधान सभा में हिंदी को राजभाषा का दर्जा दिया गया था।
15 September	Engineer's Day	As a mark of remembrance and tribute to the greatest Indian engineer Bharat Ratna Mokshagundam Visvesvaraya.
16 September	International Day for the Preservation of the Ozone Layer	Montreal Protocol: fixing the ozone layer and reducing climate change.
21 September	International Day of Peace and Non-Violence (UN)	Actions for Peace: Our Ambition for the #GlobalGoals
21 September	World Alzheimer's Day	To raise awareness among the challenges of common stigma that surrounds Alzheimer related dementia.
23 September	International Day of Sign Languages	To mark the establishment of the World Federation of the Deaf in 1951.
26 September	World Maritime Day	MARPOL at 50 – Our commitment goes on".
27 September	World Tourism Day	To commemorate the anniversary of the adoption of the UNWTO Statutes on 27 September 1970.
28 September	World Rabies Day	To mark the death anniversary of Louis Pasteur, the French chemist and microbiologist, who developed the first rabies vaccine.
29 September	World Heart Day	To spread awareness about heart disease and stroke prevention.
30 September	International Translation Day	To mark the death anniversary of St. Jerome, the Bible translator who is considered the patron saint of translators.

## Let's Recap

- Asian Development Bank has approved 295 million dollar loan to improve transport connectivity in which bank? **Bihar**
- Which payment service company has signed MoU with Arunachal Pradesh for creating startup ecosystem? **Paytm**
- Recently, Union Minister Amit Shah has laid the foundation stone of "Balidaan Stambh" in which city? **Srinagar**
- Medha Rail Coach Factory has been inaugurated in which city? **Hyderabad**
- Day of the Seafarer 2023 has been observed on which day of June? **25th June**
- Name the Co-inventor of lithium-ion batteries and co-winner of the 2019 Nobel Prize in Chemistry, who died recently? **John Bannister Goodenough**
- This year which Indian eminent Musician was conferred with an honorary doctorate by Birmingham City University (BCU) in London, England? **Shankar Mahadevan**
- How much loan has been approved by the World Bank to improve technical education in government institutions? **USD 255.5 million**
- Who has been appointed as the new Chief Secretary of Punjab in June 2023? **Anurag Verma**
- Who has been appointed as the head coach of the junior women's national team by Hockey India? **Tushar Khandkar**
- Who has received The Sahitya Akademi Award 2023 for children's literature? **Priya AS**
- Which state government has launched "Operation Conviction" for cow slaughter? **Uttar Pradesh**
- Name the female Indian cricketer who has joined MCC World Cricket Committee? **Jhulan Goswami**
- What is the name of the CEO of Mastercard who has joined USISPF Board of Directors? **Michael Miebach**
- Which country has been chosen as the host for U-17 World Cup? **Indonesia**
- What is the theme of World MSME Day 2023? **Future-ready MSMEs for India@100**
- Which state government has dedicated a special task force to combat drug menace? **Himachal Pradesh**
- The state government of Assam will built its first underwater tunnel under which river? **Brahmaputra**
- Who has authored the newly launched book "The Yoga Sutra for Children"? **Roopa Pai**
- Who has organised an "Anusandhaan Chintan Shivir"? **DRDO**
- National Statistics Day 2023 has been observed on June 29 to honor whom? **Prasanta Chandra Mahalanobis**
- What is the rank of India in the latest Energy Transition Index? **67**
- Which Ministry has launched 8th edition of world's largest Urban Cleanliness Survey "Swachh Survekshan 2023"? **Ministry of Housing and Urban Affairs**
- Which country has won the Asian Kabaddi Championship 2023? **India**
- What is the rank of India in the latest FIFA Men's Football rankings? **100**

20 AUGUST



**Importance:** This day commemorates Sir Ronald Ross' 1897 discovery of the link between mosquitoes and malaria transmission.

**Inception:** 1897

**Motto:** To raise awareness about the causes of malaria and how it can be prevented, as well as fundraising for research into the cure of malaria.

International Campaigns: Malaria No More's 'MozzyAir' & Nothing But Nets'

**History Behind:**

- Ross discovered the malaria parasite in the stomach wall of the mosquito.
- He confirmed that malaria is transmitted from infected birds to healthy ones by the bite of a mosquito.
- He suggested the disease's mode of transmission to humans.
- He is credited with the discovery of the transmission of malaria by the mosquito, and was honored with a Nobel Prize for Medicine in 1902.



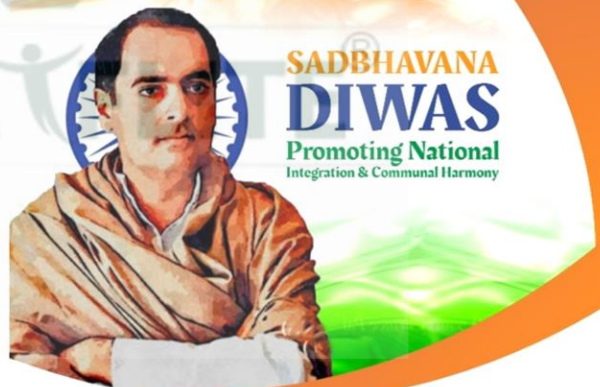
- Which country won the 2023 European Athletics Team Championships held in Chorzow, Poland with a score of 426.5? **Italy**
- Name India's one of the largest IT services firm which has been selected by Denmark-based Danske Bank as a partner to accelerate the lender's digital transformation? **Infosys**



- Which company now become the principal jersey sponsor of Indian cricket team? **Dream11**
- Audi has appointed whom as its new CEO of the Board of Management? **Gernot Dollner**
- Indian Institute of Technology will open its first-ever overseas campus in which country? **Tanzania**
- Who has been appointed as the Solicitor General of India? **Tushar Mehta**
- World UFO Day 2023 has been observed on which day? **02 July**
- Central government's fiscal deficit at May-end 2023 narrowed to what percent of the annual budget estimates? **11.8%**
- According to the Institute for Economics and Peace, which country is the least peaceful country in the world? **Afghanistan**
- Union Home Min Amit Shah launches Akshar River Cruise in which city? **Ahmedabad**
- The recently launched "one-tap-one-tree" campaign is associated with which state? **Uttar Pradesh**
- The biggest air exercise of Indian Air force "Tarang Shakti" will consist of how many countries? **12**
- Aurangzeb Lane in Delhi has been renamed after whom? **Dr APJ Abdul Kalam**
- Which space tourism company has recently completed first manned mission to space? **Virgin Galactic**
- Which batsman has become second-fastest ever to score 9000 Test runs? **Steve Smith**
- Project WAVE has been launched by which bank? **Indian Bank**
- Which ministry has organized a G20 conference on crime and security in Gurugram? **Ministry of Home Affairs**
- Who has been appointed as the new Additional Secretary of the Department of Military Affairs? **Atul Anand**
- What is the capacity of India's first indigenous nuclear reactor which has recently started commercial operation in Gujarat? **700 MW**
- Which state government has launched "Jagananna Amma Vodi" scheme, with a financial assistance of Rs 6392 crore? **Andhra Pradesh**
- Union govt has appointed whom as the National Cybersecurity Coordinator (NCSC)? **M U Nair**
- India has won 9th South Asian Football Federation Championship by beating whom? **Kuwait**
- Who has been named as the AIFF Men's Footballer of the Year for 2022-23? **Lallianzuala Chhangte**
- Prime Minister Narendra Modi has inaugurated the Sai Hira Global Convention Centre in which state? **Andhra Pradesh**
- Which armed force has launched outreach programme in Ladakh? **Indian Navy**

- King Charles III and Queen Camilla has recently presented the prestigious "Tara" award to whom? **Kartiki Gonsalves**
- Who has been appointed as the chairperson of the Research Advisory Committee for the ICAR-Indian Institute of Oil Palm Research (IIOPR)? **B Neeraja Prabhakar**
- Which company has appointed Sreenivasa Reddy as its top government affairs executive in India? **Google**
- Recently Bihar has surpassed which state to become highest in micro lending borrowing? **Tamil Nadu**
- Aryan Nehra, who has recently set a new national record at the men's 800m freestyle event, hails from which state? **Gujarat**
- Recently, India has added how many animal species to its faunal database in 2022? **664**
- Which bank has recently started offering Mahila Samman Savings Certificate scheme? **Bank of India**
- Indian Navy has conducted seventh edition of SALVEX Exercise with which country's Navy in Kochi? **US Navy**
- Which company has developed country's first hand-held navigation device based on NavIC? **Elena Geo Systems**

20 AUGUST



**Importance:** To mark the birth anniversary of former Prime Minister Rajiv Gandhi.

**Motto:** To promote national integration and communal harmony among people of all religion and languages.

**Rajiv Gandhi**

- 6th Prime Minister of India (1984 to 1989).
- Became the youngest Indian Prime Minister at the age of 40.
- Received Bharat Ratna in 1991.

**Note:** On this day Rajiv Gandhi National Sadbhavana Award will be given for outstanding contribution towards promotion of communal harmony, national integration and peace.

**Sponsored by:** All India Congress Committee

**Reward:** Rs. 10 lakh

**1st awarded:** 1992

- As per ISRO, when the India's lunar mission Chandrayaan-3 will be launched? **July 2023**
- Reserve Bank has held the 33rd Conference of State Finance Secretaries on which theme? **Debt Sustainability: States' Perspective**
- Which ministry has released of the Performance Grading Index 2.0 for States/UTs for the year 2021-22? **Ministry of Education**
- Recently, India has permitted potato import from which country till June 2024? **Bhutan**
- Third World Hindu Conference will be organized in which city? **Bangkok**

20 AUGUST



INDIAN  
AKSHAY URJA DAY

**Importance:** To mark the importance of renewable energy resources in India.

**Motto:** To promote awareness about renewable resources among people who are ignorant about the subject.

**Inception:** 2004

**What is Renewable energy(Akshay Urja)?**

A renewable energy source means energy that is sustainable - something that can't run out, or is endless, like the sun.

**Types:** Biomass, Hydro-power, Geothermal, Wind & Solar

- Which space agency has launched "Euclid Space Telescope" to view solar system bodies? **ESA**
- Taiwan will establish representative office in which city to Boost India-Taiwan ties? **Mumbai**
- Recently launched book "Colours of devotion" has been authored by whom? **Anita Bharat Shah**
- Ministry of Defence signed a contract with which company for procurement of two Dornier aircraft? **HAL**
- Who became the first woman to lead Reserve Bank of Australia? **Michele Bullock**

- Under which program the Lieutenant Governor of Delhi has distributed Honeybee-Boxes and Toolkits to 130 recipients? **Gramodyog Vikas Yojana**
- NCC has signed an MoU with which bank for opening bank accounts of cadets? **State Bank of India**
- The 3rd trade and investment working group meeting has begun in which city? **Kevadia**
- According to Global Firepower, what is the rank of India as strongest military force? **Fourth**
- National Fish Farmer's Day 2023 has been observed on which day of July? **10 July**
- India has recently conducted Operation Broader Sword with which country? **United States**
- Which institution released the 'World Investment Report 2023'? **UNCTAD**
- Which Indian leader has been invited as the guest of honour for France's Bastille Day celebrations on 14th July? **Narendra Modi**
- International Malala Day 2023 has been observed on which day of July? **12 July**
- Recently, RBI has launched UPI QR code for CBDC with an aim to increase the per day transactions of CBDC to how much? **10 lakh**
- Lambani Art set a Guinness World record in 3rd G20 CWC meeting, Lambani Art is related to - **Cloths**
- In July 2023, who has been appointed as the next Ambassador of India to Lithuania? **Devesh Uttam**
- Ker Puja festival, which has been celebrated recently, is celebrated in which state? **Tripura**
- Which international organisation has released global Multidimensional Poverty Index 2023? **UNDP**
- Max Life Insurance has collaborated with which bank to offer comprehensive range of Life Insurance Solutions? **DCB Bank**
- Recently, Odisha state cabinet has given an approval to the inclusion of which language in the 8th schedule of the Constitution of India? **Kui Language**
- Which Indian Institute of Technology has developed AI-based model for knee X ray? **IIT Guwahati**
- The Defense Acquisition Council has approved the proposals for the purchase of 26 Rafale seaplanes from which country to boost the operational capabilities of the Indian Navy? **France**
- Recently ISRO launched highly anticipated Chandrayaan-3 mission. In context to same what is the name of the launch vehicle(rocket) on which the Chandrayaan is onboard? **Launch Vehicle Mark 3 (LVM 3)**
- Recently IFSCA & PIEDS BITS Pilani, have signed a MoU to enable cooperation and collaboration on diverse initiatives regarding FinTech. In context to same what does IFSCA stands for? **International Financial Services Centres Authority**

- What is the title of the one month campaign launched by Ministry of Agriculture for the banks under Agri Infra Fund? **BHARAT**
- Where has the G20 Finance and Central Bank Deputies meeting begin? **Gandhinagar**
- Central Government will double income slab for which category under PMAY in Mumbai Metropolitan Region? **EWS**
- The 4-day, 3rd G20 Sherpa meeting has begun in which city? **Hampi**
- World Day for International Justice 2023 has been observed on which day? **17 July**
- Who has launched Export Preparedness Index 2022? **NITI Aayog**
- Which organisation has commemorated its 95th Foundation and Technology Day on July 16th 2023? **ICAR**
- Dr Mangala Narlikar, who has passed away recently, was a famous - **Mathematician**
- Which two countries has started Naval exercise "Security Bond-2023" in Gulf of Oman? **China and Russia**
- Joint military exercise "Nomadic Elephant – 2023" has recently been started between India and which country? **Mongolia**
- Which company has won "Golden Peacock Environment Management Award 2023" in the "Power Transmission Sector"? **Adani Transmission**
- Which state government has launched website of "Aapda Rahat Kosh-2023"? **Himachal Pradesh**
- Who has been appointed as the chairman of UP Electricity Regulatory? **Arvind Kumar**
- Who has won the gold at ISSF world championship 2023? **Shubham Bisla**
- International Moon Day has been observed on which day of July 2023? **20th July**
- Which country will host the global summit of food safety regulators? **India**
- Chachin Grazing Festival has recently been celebrated in which state? **Arunachal Pradesh**
- Who has clinched gold in Men's javelin throw in Para Athletics? **Ajeet Singh**
- Which Indian port has recently set a record of 59,150 metric tons iron ore lumps cargo loading in 24 hours? **Gopalpur Port**
- Which state has secured the first position in NITI Aayog's Export Preparedness Index 2022? **Tamil Nadu**
- Finance Ministry has appointed whom as a Member in the Board of International Financial Services Centre Authority? **Pramod Rao**
- Which country has the world's most powerful passport as per the Henley Passport Index 2023? **Singapore**
- Who has been appointed the new Managing Director & CEO of SBI Capital Markets Ltd? **Rajay Kumar Sinha**
- In which country 'International Defense Exhibition 2023' will be organized? **South Korea**
- From which city the Women's Tri-Services Motorcycle Rally was flagged off to mark the 24th Kargil Vijay Diwas? **New Delhi**
- Name the Indian player, who has made a Guinness world record for the fastest hit of 565 km/h in badminton? **Satwiksairaj Rankireddy**
- Which state government has launched portal for processing electric vehicles subsidy claim? **Uttar Pradesh**
- Who has been appointed as 25th Director General of Indian Coast Guard? **Rakesh Pal**
- Which IIT has recently signed MoU with Indian Council of World Affairs? **IIT Guwahati**
- India has donated how much to promote Hindi at UN? **\$1.0 million**
- Who has won the prestigious International Eni Award? **Thalappil Pradeep**
- India has signed MOU with which country to develop semiconductor ecosystem? **Japan**
- What is the rank of Indian football team in the latest in FIFA rankings 2023? **99th**
- The first Global Food Regulators Summit 2023 has been organized by which statutory body? **FSSAI**
- Who has been appointed as the coach of the Indian national women's volleyball team? **Ravindra Banshtu**
- Which Bollywood celebrity has been appointed as the brand ambassador of ICC World Cup 2023? **Shahrukh Khan**
- In July 2023, which country has honoured Indian Army contribution in second world war? **Italy**
- Aaykar Diwas Or Income Tax Day 2023 has been observed on which day? **July 24**
- Which country has formally submitted an application to join the BRICS group of nations in July 2023? **Algeria**
- Recently, India has handed over which naval vessel to Vietnam? **INS Kirpan**
- Former cricketer Brian Taber, who passed away recently, played for which country? **Australia**

## Quick Bytes

- First ABDM Microsite under the 100 Microsites Project by National Health Authority launched in Aizawl, Mizoram
- The African Union suspends Niger until 'the effective restoration of constitutional order'
- UNDP will provide technical support to MDoNER in several key areas, including fast-tracking progress on SDGs.
- Justice Prakash Shrivastava appointed as NGT chairperson
- India launches first hydrogen fuel cell bus service in Leh
- State Bank of India (SBI) announced the appointment of four directors to its Central Board. The newly appointed directors are Ketan Shivaji Vikamse, Mrigank Madhukar Paranjpe, Rajesh Kumar Dubey, and Dharmendra Singh Shekhawat.
- The Indian Coast Guard and the Philippine Coast Guard have signed a Memorandum of Understanding (MoU) to strengthen their maritime cooperation.
- Department of Telecommunications (DoT) organised the "Bharat Internet Utsav", in collaboration with MYGOV for 45 days.
- August 22 is annually celebrated as Madras Day, to commemorate the foundation day of the city of Madras (now Chennai).
- India and ASEAN agree to review goods trade pact by 2025.
- India has moved up to 11th position in the ranking of top markets of direct sellers, with retail sales of USD 3.23 billion in 2022.
- The first Foreign Office Consultations FOC between India and Samoa was held in Apia, the capital of South Pacific island nation of Samoa.
- Ranchi to host Asian Champions Trophy 2023 hockey for women in October.
- Akhil Sheoran clinched the bronze and the Olympic quota in the 50-metre rifle 3-position event in the World Championship.
- Indian submarine INS Vagir completes historic 7,000 km deployment to Australia
- Srinagar's Indira Gandhi Memorial Tulip Garden enters the record books with 1.5 million flowers'
- Dr. Jitendra Singh unveils the unique 'NAMOH 108' lotus and launches Lotus Mission along with innovative initiatives
- Health Minister Mansukh Mandaviya launched the Global Initiative on Digital Health (GIDH), a network managed by WHO.
- Govt notifies GST amendment to levy 28% tax on casino, gambling, horse racing, lottery or online gaming.
- Akhil Sheoran secures Paris 2024 Olympics quota, wins bronze in ISSF World Championships.
- Kerala government announced a festival allowance of ₹1,000 for workers under MGNREGS and Ayyankali Urban Employment Guarantee Scheme (AUEGS) for Onam.
- Chief Minister Sukhvinder Singh Sukhu declared Himachal Pradesh as a 'Natural Calamity Affected Area'.
- FIDE Chess World Cup: R. Praggnanandhaa forced a 78-move draw against World No. 2 Fabiano Caruana in the first game of their semifinal clash.
- Indian wrestler Mohit Kumar won the Under-20 World Championship title
- Priya Malik wins gold at U20 World Wrestling Championships in Jordan
- India secures double gold medal in archery at World Cup Stage 4 in Paris
- Central Water Commission Chairman launches "Floodwatch" mobile app for real-time flood forecasts
- Union Ministers Dharmendra Pradhan and Nirmala Sitharaman launch Kuwi and Desia books at Bhubaneswar.
- Union Power Minister to dedicate NTPC's 660 MW Super Thermal Power Project in Barh, Bihar.
- President Droupadi Murmu launched Vindhyagiri, the last in the series of three Project 17A (Alpha) frigates.
- RBI issues fresh guidelines asking banks and NBFCs not to levy penal interest on borrowers in case of default.
- ONGC to invest ₹1 lakh crore to achieve low-carbon energy.



- India and Trinidad and Tobago have signed a Memorandum of Understanding (MoU) on sharing of INDIA STACK.
- After Mohit Kumar, Priya (women's 76kg) earned another gold medal for the country in the World under-20 championships.
- The Indian men's air pistol team wins bronze medal in the World Championship shooting.
- Union Cabinet Approves PM-eBus Sewa Scheme: Boosting Electric Public Transportation
- The Union Cabinet, led by Prime Minister Narendra Modi, has given its approval for seven ambitious railway projects, signaling an investment of ₹32,500 crore.
- Goa's Chief Minister Pramod Sawant unveiled the Biodiversity Atlas of Mayem Village.
- OpenAI has successfully acquired Global Illumination, an ingenious startup based in New York, which harnesses the power of AI to craft innovative creative tools, digital experiences, and robust infrastructure.
- In a significant move to empower women and foster economic growth, the Indian government has announced the 'Lakshpati Didi' scheme, aiming to provide skill training to two crore women across the nation.
- Cabinet Approves ₹14,903 Crore Extension of Digital India Project
- The Appointments Committee of the Cabinet (ACC) has approved the appointment of Kamlesh Varshney and Amarjeet Singh as SEBI Whole-Time Members.
- ADB Approves USD 40.5 Million Loan to Enhance Childhood Development and Maternal Mental Health in Meghalaya
- India's First Drone Common Testing Centre To Be Established In Tamil Nadu
- The Indian Air Force (IAF) is gearing up to host a colossal multilateral military exercise, 'Tarang Shakti', which was originally slated for October but has been rescheduled to the middle of 2024.
- Government clears Rs 20000 cr deal to build five warships
- Govt of India launched 'Meri Maati Mera Desh Campaign'
- Wipro Limited has announced the establishment of a groundbreaking Center of Excellence (CoE) on Generative Artificial Intelligence (AI) in partnership with the esteemed Indian Institute of Technology (IIT) Delhi.
- Hyundai Motor Co's Indian subsidiary has announced its intention to acquire General Motors' Talegaon plant located in Maharashtra.
- The Ministry of Education has introduced the Pradhan Mantri Uchcharat Shiksha Abhiyan (PM-USHA) in June 2023 aimed at enhancing access, equity, and excellence in higher education across States and Union Territories.
- The Tamil Nadu government and Racing Promotions Private Limited (RRPL) have launched a new street circuit in Chennai.
- The Korea Advanced Institute of Science & Technology (KAIST) is making groundbreaking advancements in aviation with the development of "Pibot," a humanoid robot designed to fly aircraft using its own dexterity and advanced AI capabilities.
- Former defence research body chief VS Arunachalam passes away
- Union Cabinet approved a scheme to add 10,000 e-buses to city bus services across the country.
- Supreme Court of India releases the 'Handbook on Combating Gender Stereotypes'.
- Centre and WHO to launch Global Initiative on Digital Health as part of the ongoing G-20 summit in Gandhinagar.
- Prime Minister announced Vishwakarma Yojana scheme for artisans, with an allocation of up to ₹15,000 crore to help skill development among the youth.
- Bindeshwar Pathak, Sulabh International founder, Padma Bhushan recipient, and social worker passed away.
- Aditi Swami becomes first Indian to clinch individual World Title at World Archery Championships.
- In a First In India, Goa To Give Free IVF Treatment In Govt Hospital
- In a significant stride towards indigenous manufacturing and innovation, the state-owned company Advanced Weapons and Equipment India Limited (AWEIL), based in Kanpur, Uttar Pradesh, is all set to unveil 'Prabal', India's first long-range revolver.
- INS Kulish Participates In Celebration Of 77th Independence Day in Singapore
- Govt Increases Windfall Tax on Crude Oil and Diesel, Reinstates Tax on Overseas ATF Shipments
- Viacom18 Completes Merger Of JioCinema and Voot OTT Platforms
- Centre appoints R Doraiswamy as LIC Managing Director
- Indian Space Research Organisation (ISRO) is gearing up to launch Aditya-L1, to study the Sun.

- 'SAMUDRA' app will help seafarers and fishermen: says INCOIS, Ministry of Earth Sciences.
- Subsidy of Rs. 10 lakh crore was announced for providing cheaper Urea to farmers.
- WHO and Ministry of Ayush will host the first-ever global summit on traditional medicine at Gandhinagar.
- Lima reinstated as host of 2024 under-20 athletics world championships.
- Jigyasa – one of the world's largest quizzes played more than 10 lakh times in 17 languages, was organised.
- Dharmendra Pradhan launches DBT in NAPS to strengthen apprenticeship ecosystem
- The Indian Air Force has inducted its latest Heron Mark 2 drones, which have strike capability and can carry out surveillance along the borders with both China and Pakistan in a single sortie itself.
- NPCI Launches UPI Chalega 3.0 Campaign to Drive UPI Adoption and Safety Awareness
- MakeMyTrip And Ministry Of Tourism To Launch Traveller's Map of India Microsite
- President Droupadi Murmu has granted assent to the Digital Personal Data Protection Bill, 2023 (DPDP Bill).
- Home Minister Amit Shah inaugurates three connectivity projects costing Rs 360 cr to boost coastal security in Gujarat.
- Railways Ministry to establish Pradhan Mantri Bhartiya Janaushadhi Kendras at railway stations across the country.
- RBI selects McKinsey and Company, Accenture Solutions to use AI and ML to improve regulatory super.
- Chhattisgarh, one of the poorest states in the country, is the second best in overall fiscal health scorecard after Maharashtra.
- Australia men's and women's hockey teams seal Olympic Games 2024 qualification.
- New Bill Proposes Changes in Appointment Process for Election Commissioners in India
- The Bharatiya Sakshya Bill, 2023: Revamping India's Criminal Justice System
- Canada starts accepting PTE scores for Student Direct Stream applications
- CM Solar Mission launched in power deficit Meghalaya
- NCLT Approves \$10 Billion Mega-Merger Between Zee and Sony
- Indian Economy to Grow at 6% in FY24, Say NIPFP Researchers
- Every year, on the 12th of August, the global community comes together to celebrate International Youth Day.
- Poet Diplomat Abhay K Launches his New Book 'Monsoon'
- Subhash Runwal receives the Lifetime Achievement Award RICS (Royal Institution of Chartered Surveyors)
- Union Home Minister Amit Shah introduced three Bills in the Lok Sabha to repeal the British-era Indian Penal Code (IPC), the Indian Evidence Act (IEA) and the Code of Criminal Procedure (Cr.PC).
- DPIIT, Rural Development Ministry jointly launch 'One District One Product' Wall at SARAS Ajeevika Store.
- Parliament cleared amendments to the Goods and Services Tax (GST) laws to facilitate the levy of 28% GST on the face value of all bets made in casinos, horse-racing and online gaming.
- India beats Malaysia and wins Asian Champions Trophy 2023.
- NavIC will be integrated into Aadhaar enrolment devices across the country.
- Government tables bill to exclude CJI from panel to appoint Chief Election Commissioner (CEC) and Election Commissioners (ECs).
- Reserve Bank of India (RBI) proposes incorporating Artificial Intelligence-powered conversational features in UPI.
- RBI keeps repo rate unchanged at 6.5 percent; Projects real GDP growth for current fiscal at 6.5 percent.
- Government of India Forms New Standing Committee on Statistics to Enhance Oversight of NSO Data
- Kerala Assembly Approves Resolution to Rename State as 'Keralam'
- Tata Sons, the parent company of Air India, has introduced a new appearance and brand identity for the airline. This change includes a new logo and design, replacing the well-known mascot "Maharaja."



- AU Bank Becomes India's First Bank To Provide 24x7 Video Banking Service
- Pluckk partners with Kareena Kapoor Khan as investor, brand ambassador
- Lt Governor Inaugurates 9th India International MSME Expo & Summit 2023
- New Amravati Station Becomes Central Railway's Third 'Pink Station'
- Union Home Ministry to fund ₹561 crore flood risk management project in Chennai.
- Rajya Sabha passes Digital Personal Data Protection Bill.
- Rajasthan CM introduces scheme to provide free smartphones to women in the state -"Indira Gandhi Free Smartphone Yojana 2023."
- Parliament passes Coastal Aquaculture Authority (Amendment) Bill.
- Parliamentary panel calls for exclusive millet outlet in every district.
- Axis Bank to infuse ₹16.12 billion to raise stake in Max Life.
- Protean eGov partners PayNearby to democratise credit through ONDC.
- Exiled Belarus Opposition leader Svetlana Tikhanovskaya wins Swedish rights prize, the Anna Lindh Prize.
- World Lion Day is celebrated on August 10 every year.
- India recorded a 4-0 victory against Pakistan in the Asian Champions Trophy.
- China's Hangzhou to host badminton World Tour Finals for four years
- National Exit Test (NExT) to be made mandatory for BDS graduates for licence to practice and dental PG courses.
- Ministry of Electronics and Information Technology launches Indian Web Browser Development Challenge.
- Pakistan's top election body disqualified Imran Khan for five years following his conviction in a corruption case.
- Indian team claimed a bronze at the recently concluded World Youth bridge championship.
- India ends World University Games campaign with record 26 medals.
- Cricket: Kuldeep Yadav becomes fastest Indian to 50 wickets in T20Is.
- Bhu-Vision (also known as KRISHI-RASTAA Soil Testing System) is a revolutionary IoT-based automated soil testing and agronomy advisory platform that was recently launched in India.
- Justice Subhasis Talapatra sworn in as new Chief Justice of Orissa High Court
- Sanjay Kumar Agarwal takes charge as CBIC Chairman
- Renowned Malayalam director, screenwriter Siddique Ismail passes away
- Oscar Winning American Director William Friedkin Passes Away
- Lok Sabha passed the Mediation Bill, 2023, which aims to cut down the time to complete the mediation proceedings to 180 days.
- Rajya Sabha passed the Government of National Capital Territory of Delhi (Amendment) Bill.
- Lok Sabha passed the Anusandhan National Research Foundation Bill.
- Pramod Bhagat and Sukant Kadam won a gold medal in Para-badminton meet.
- Cabinet approves Rs 1.39 lakh cr for connecting 6.4 lakh villages with broadband
- Cambodia's King, Norodom Sihamoni issued a royal decree appointing Hun Manet as Prime Minister, after Mr. Hun Sen had announced last month that he was stepping down and handing power to his eldest son.
- IndiaFirst Life Insurance launches new G.O.L.D. plan
- Chief Justice of India, D.Y. Chandrachud has announced the formation of an all-women panel to help bring healing and relief to the violence-stricken region in Manipur. The panel will consist of three former High Court judges, with Justice Gita Mittal as its head. The panel aims to provide healing touch to the situation in Manipur.
- Chhattisgarh CM transfers Rs 15 crore as part of Godhan Nyay Yojana
- Tesla appoints India-origin Vaibhav Taneja as its CFO
- Prime Minister Narendra Modi launched the Amrit Bharat Station Scheme (ABSS) via video link to initiate the rejuvenation of 13 railway stations across the country.
- Iraq becomes 18th country recognised by WHO for eliminating Trachoma
- Bihar to Constitute 'Rhino Task Force' for Reintroduction of Rhino Conservation Scheme

- India launches 'Neerakshi' – Autonomous Underwater Vehicle for mine detection
- HDFC Bank's Jagdishan Highest Paid Bank CEO in FY23 with Rs 10.55cr Pay
- SAI launched short movie series 'Halla Bol' Under 'Cheer4India' Campaign
- A special art exhibition titled "Together We Art" begins at Bihar Museum, Patna
- Karnataka Chief Minister Siddaramaiah launches Gruha Jyothi scheme- free power supply scheme.
- Telangana Assembly passed four Bills, which were earlier returned by Governor Tamilisai Soundararajan.
- ISRO completes Lunar-Orbit Insertion (LOI) to successfully put the Chandrayaan-3 spacecraft into the moon's orbit.
- Union Cabinet approved an outlay of ₹1.39-lakh crore for BharatNet, a project to provide last-mile connectivity across 6.4 lakh villages.
- BIS signs MoU with 35 institutions for collaboration in standardisation.
- Finance Ministry imposes anti-dumping duty on optical fibre imports from China, Korea, Indonesia.
- Former Pakistan Prime Minister Imran Khan was arrested after he was found guilty in the state gifts case.
- Cambodia electoral body confirms Prime Minister Hun Sen's party as the winner.
- Russia has dispatched an Su-30 fighter jet to prevent a U.S. drone from violating its border over the Black Sea.
- Long jumper Jeswin Aldrin strikes gold in World Athletics Continental Tour-Bronze event, Switzerland.
- Grandmaster D. Gukesh overtook Viswanathan Anand as the highest-rated Indian chess player in FIDE rankings.
- Union Science Minister Jitendra Singh tabled the Anusandhan National Research Foundation Bill.
- Lok Sabha passed the Inter-Services Organisation (Command, Control and Discipline) Bill, 2023.
- Directorate General of Foreign Trade (DGFT) suspends its laptop and PC import curbs till November 1.
- Insurance regulator IRDAI lets insurers hold HDFC investments till maturity.
- Pakistan passes Bill to meet Financial Action Task Force (FATF) demands.
- India clinched its first ever gold medal in the World archery championships in Berlin.
- Jyothi Yarraji broke her women's 100m hurdles National record while clinching a bronze at the World University Games.
- The National Commission for Protection of Child Rights (NCPCR) has developed The 'MASI' application for real-time monitoring of Child Care Institutions (CCIs) and their inspection process across the country.
- Indian Air Force (IAF) received air-launched Israeli Spike Non Line of Sight (NLOS) Anti-Tank Guided Missiles(ATGM) from Israel which can hit targets upto 50 km from a helicopter and 32 km from the ground.
- PM Modi to Launch ₹24,470 Crore Revamp of 508 Railway Stations under Amrit Bharat Scheme
- Alex Hales from England announces retirement from International Cricket
- President of India Droupadi Murmu inaugurated 'Unmesha' – International Literature Festival and 'Utkarsh' – Festival of Folk and Tribal Performing Arts at Bhopal.
- Shri Dharmendra Pradhan and Shri S. Jaishankar jointly launch Study in India (SII) Portal.
- Parliament passes the Offshore Areas Mineral (Development and Regulation) Amendment Bill, 2023.
- Union Minister of Ports, Shipping & Waterways (MoPSW) Sarbananda Sonowal launched Port Health Organisation (PHO) module under Sagar Setu – National Logistics Portal.
- The ₹72,000-crore Great Nicobar Project may see 9.64 lakh trees felled.
- Rajya Sabha passed the Offshore Areas Mineral (Development and Regulation) Amendment Bill, the Press and Registration of Periodicals Bill, and the Advocates (Amendment) Bill.
- Appointments Committee of the Cabinet (ACC) has given another one-year extension in service to Cabinet Secretary Rajiv Gauba.
- Temasek to invest ₹1,200 cr. in Mahindra & Mahindra's passenger EV firm.
- Pakistan Prime Minister Shahbaz Sharif announces dissolution of Pakistan National Assembly.
- Pakistan approves signing of Communication Interoperability and Security Memorandum of Agreement (CIS-MOA) with the United States.



- BWF Japan Open 2023: Viktor Axelsen beats Jonatan Christie in Tokyo final as An Se Young wins women's title.
- GST Council sticks to its plan to collect 28% tax on online gaming.
- Centre imposes restrictions on import of laptops, tablets and personal computers with immediate effect.
- Hockey: 7th Men's Asian Champions Trophy to begin in Chennai, Tamil Nadu.
- The Jalesar Dhatu Shilp (metal craft), Goa Mankurad mango, Goan Bebinca, Udaipur Koftgari metal craft, Bikaner Kashidakari craft, Jodhpur Bandhej craft and Bikaner Usta Kala craft were given the Geographical Indication (GI) tag.
- Prime Minister Narendra Modi accepted the prestigious Lokmanya Tilak National Award.
- Government introduces Delhi services Bill in the Lok Sabha.
- Rajya Sabha passes the Multi-State Cooperative Societies Bill.
- The Lok Sabha passed the Registration of Births and Deaths (Amendment) Bill, 2023.
- Indian grant to be used in education and healthcare in Sri Lanka.
- G-20 EMPOWER Summit to begin in Gandhinagar.
- Sri Lanka's key inflation rate nearly halved to 6.3% in July from 12% last month.
- As part of second phase of CPEC, Pakistan and China ink six agreements.
- Cristiano Ronaldo becomes highest goal scorer with headers in football history.
- WTA Rankings: Polish tennis player Iga Swiatek begins Week 70 as World No. 1
- Phangnon Konyak became the first woman to chair the Rajya Sabha from Nagaland
- Jammu to Spearhead India's first Cannabis Medicine Project
- ISRO to launch PSLV-C56 with Six Co-passenger Satellites
- Former Vice President Venkaiah Naidu released Ranjit Pratap's book 'As the Wheel Turns'
- Russia implements comprehensive ban on sex change and transgender marriages
- Kerala Governor launches Malayalam translation of 'Krishna - The 7th Sense'
- World's largest permafrost crater 'Batagaika' is expanding rapidly due to global warming in Russia
- For the first time in India, the Rajasthan government introduced the Rajasthan Platform Based Gig Workers Bill, 2023
- Delhi launches first 'Water ATM' to provide clean water in water-scarce areas
- India Bans Non-basmati White Rice Exports
- Former Australian and New South Wales wicketkeeper Brian Taber passed away at the age of 83
- Lokesh M appointed as new CEO of Noida Authority
- SpaceX launches 'Jupiter 3', world's largest private communication satellite
- PM inaugurates India's grand international exhibition-cum-convention centre 'Bharat Mandapam'
- Shankari Chandran honoured with Miles Franklin Literary Award for novel "Tea Time at Cinnamon Gardens"
- Rajasthan issues first transgender birth certificate to Noor Shekhawat
- World Hepatitis Day is observed globally on 28 July.
- Justice Devendra Kumar Upadhyay appointed as Chief Justice of Bombay High Court
- Italy inaugurates "VC Yashwant Ghadge Sundial Memorial
- Pan Gongsheng appointed as the governor of the Central Bank of China
- Massive 'Talisman Saber' military exercise begins with 14 nations in Australia-US joint training
- Nagaland officially declared lumpy skin disease positive state
- Tata Steel re-appoints TV Narendran as MD & CEO for five years
- India's Kamaljit wins gold in ISSF Junior Shooting World Championship
- Bengaluru becomes the first Indian city to join the World Cities Culture Forum (WCCF)
- UNESCO urges global ban on smartphones in schools to promote human-centred education approach
- Sumit Nagal wins 4th ATP Challenger title with win at Tampere Open 2023
- Kerala to set up India's first fisheries Atal Incubation Centre
- Naveen Patnaik holds the record for being India's second longest serving chief minister
- Among all states, Maharashtra topped the list with the highest number of missing women in 2021, with a reported count of 56,498.

## Chandrayaan- 3: India Lands First in Southern Polar Region

### CHANDRAYAAN 3



India has made history as its Moon mission becomes the first to land in the lunar south pole region. With this, India joins an elite club of countries to achieve a soft landing on the Moon, after the US, the former Soviet Union and China. The Vikram lander from Chandrayaan-3 successfully touched down as planned at 18:04 local time (12:34 GMT). Two visitors from India — a lander named Vikram and a rover named Pragyan — landed in the southern polar region of the moon on 23 Aug 2023. The two robots, from a mission named Chandrayaan-3, make India the first country to ever reach this part of the lunar surface in one piece — and only the fourth country ever to land on the moon. The Indian mission launched in July, taking a slower, fuel-conscious route toward the moon. Vikram out-endured its Russian counterpart, Luna-25, which launched 13 days ago for the moon. It was scheduled to land on 21 Aug 2023 in the same general vicinity as the Indian craft but crashed on 19 Aug 2023 following an engine malfunction. The Aug. 23 landing was selected because it is the day when the sun will rise at the landing site. The mission is to conclude two weeks later when the sun sets. While on the surface, the solar-powered lander and rover will use a range of instruments to make thermal, seismic and mineralogical measurements.

The Deep Space Network, a NASA network of large dish antennas, is assisting ISRO in communicating with the ground. Right now, it shows Chandrayaan-3 sending signals.

#### Beginning

Chandrayaan-3's development phase commenced in January 2020, with scientists and engineers working on

the spacecraft's design and assembly. Learning from the previous mission's setbacks, ISRO has made enhancements, including stronger impact legs for the lander.

#### Timeline

Chandrayaan-3 was launched aboard the Launch Vehicle Mark 3 (LVM 3) rocket. Unlike its predecessor, the orbiter was not included in this mission. The spacecraft reached the moon's South Pole and operate for one lunar day, approximately 14 earth days. The trajectory will follow a similar path as Chandrayaan-2, with the propulsion module orbiting the Earth several times before heading towards the moon. Once within the moon's gravitational pull, the module will adjust its orbit to a circular path of about 100 x 100 km. Subsequently, the lander will separate and descend to the lunar surface.

#### Objectives

The journey from Earth to the moon is estimated to take around a month. The landing is currently scheduled for August 23-24, with potential adjustments depending on the sunrise over the moon. If necessary, ISRO will reschedule the landing for September. Upon landing, the lander named 'Vikram' will deploy its four scientific payloads to study the moon's surface temperature and subterranean characteristics. Additionally, the lander carries an instrument called 'Spectro-polarimetry of HABitable Planet Earth' (SHAPE), designed to collect data on light emission and reflection from Earth. The rover, 'Pragyan,' will explore the lunar surface using chemical tests as it moves across the terrain.

### Why explore Moon?

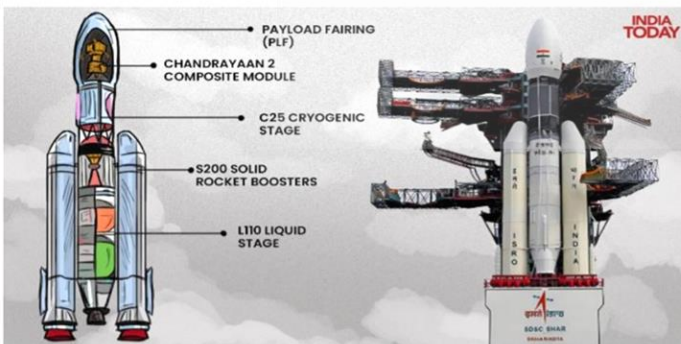
The Moon offers a multitude of answers and opportunities across various domains, comparable to the countless craters dotting its surface. As the Moon formed from Earth, it serves as a repository of Earth's early history, preserving records that have been erased on our dynamic planet due to geological processes. Exploring the Moon provides scientists with invaluable insights into Earth's origins, the formation and evolution of the Earth-Moon system, and the influence of asteroid impacts on Earth's past and potentially its future.

### First to land on Moon's South Pole

The Chandrayaan-3 will be the first to land on Moon's South Pole. No human missions so far, including the human Moon missions of the United States, have taken any spacecraft to the South Pole. Therefore, the successful landing of Chandrayaan-3 on Moon's South Pole will be a demonstration of technical prowess and bold spacefaring ambitions. The lunar south pole is of special interest because parts of it remain permanently in shadow, raising the possibility of sampling Moon ice for the first time. Moreover, the large craters near the lunar south pole might contain clues to the composition of the early Solar System. This will be the first time any tests would be conducted on the South Pole, so data and conclusions drawn are set to be studied keenly across the world.

**Note:** Notably, this is India's second mission to South Pole. The Chandrayaan-1 (2008) was intentionally crashed into the South Pole that confirmed the presence of water ice in a major discovery.

### LVM-3 aka Bahubali of Rockets

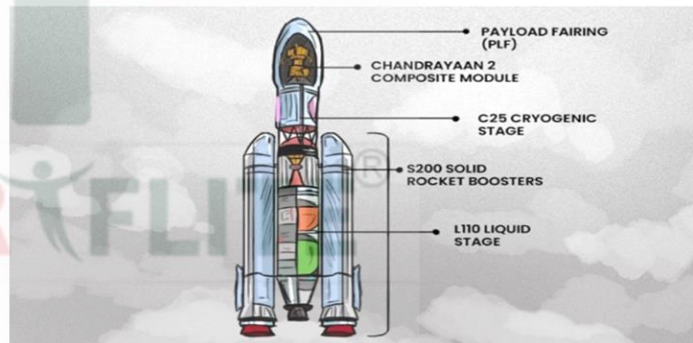


The LVM-3 is a heavy-lift launch vehicle, which means that it can carry a large payload into space. It is the most powerful rocket that ISRO has ever developed, and it is unmatched in its class. Christened as the 'Bahubali' of rockets, LVM-3 is a three-stage rocket, consisting of two solid-fuel boosters and a liquid-fuel core stage powering it. The solid-fuel boosters provide the initial thrust, while the liquid-fuel core stage provides the sustained thrust to

propel the rocket into orbit. The rocket is powered by two solid strap-on motors (S200), one liquid core stage (L110), and a high-thrust cryogenic upper stage (C25) with a propellant loading of 28 tons. The LVM-3 has a lift-off mass of 640 tonnes, and it can carry a payload of up to 4,000 kilograms into geosynchronous transfer orbit (GTO). LVM-3 has been used to launch a number of different satellites in the past, including the GSAT-19 communication satellite, the Astrosat astronomy satellite, and the Chandrayaan-2 lunar mission. It is also scheduled to be used to launch the Gaganyaan crewed mission, which will be India's first human spaceflight.

### How does it work?

The rocket operates using a staged combustion cycle, employing liquid-fueled engines for its core and strap-on boosters. The core stage of the rocket is powered by two Vikas engines, each generating an impressive thrust of 720 kN. Meanwhile, two solid propellant boosters provide additional thrust during the initial phase of the launch. The upper stage of the LVM-3 utilizes the CE-20 engine, an indigenously developed cryogenic engine, which provides the necessary thrust to reach the desired orbit.



The 43.5 m tall three-stage launch vehicle gives India full self-reliance in launching heavier communication satellites that weigh up to 4000 kg in GTO. The rocket was previously known as the GSLV-MkIII, however, the Indian space agency has rebranded it as LVM-3 and has so far flown three successful missions. The Chandrayaan-3 launch will be its fourth mission to propel a payload beyond the orbit of Earth.

### Indian Space Research Organisation (ISRO)

- ❑ Headquarters: Bengaluru
- ❑ Founded: 15 August 1969
- ❑ Founder: Vikram Sarabhai
- ❑ Chairperson: S. Somanath
- ❑ Owner: Government of India

Here are the different kinds of moon missions that have been launched so far:

**1. Flybys:** These are the missions in which the spacecraft passed near the Moon but did not get into an orbit around it. These were either designed to study the Moon from a distance or were on their way to some other planetary body or deep space exploration and happened to pass by the celestial body. Some early examples of flyby missions were Pioneer 3 and 4 by the United States and Luna 3 of the then USSR.

**2. Orbiters:** These were spacecraft that were designed to get into a lunar orbit and carry out prolonged studies of the Moon's surface and atmosphere. India's Chandrayaan-1 was an Orbiter, as were 46 other Moon missions from various countries. Orbiter missions are the most common way to study a planetary body. So far, landings have been possible only on the Moon, Mars and Venus. All other planetary bodies have been studied through orbiter or flyby missions. Chandrayaan-2 mission also consisted of an orbiter, which is still operational and orbiting the Moon at an altitude of around 100 km.

**3. Impact Mission:** These are an extension of Orbiter missions. While the main spacecraft keeps going around the Moon, one or more instruments on board make an uncontrolled landing on the lunar surface. They get destroyed after the impact, but still send some useful information about the Moon while on their way. One of the instruments on Chandrayaan-1, called Moon Impact Probe, or MIP, was also made to crash land on the Moon's surface in a similar way. ISRO claimed that the data sent by the MIP had presented additional evidence of the presence of water on the Moon, but these findings could not be published because of calibration errors.

**4. Landers:** These missions involve the soft landing of the spacecraft on the Moon. These are more complicated than the Orbiter missions. In fact, the first 11 attempted lander missions had all ended in failure. The first landing on the moon was accomplished on January 31, 1966, by the Luna 9 spacecraft of the then USSR. It also relayed the first picture from the Moon's surface.

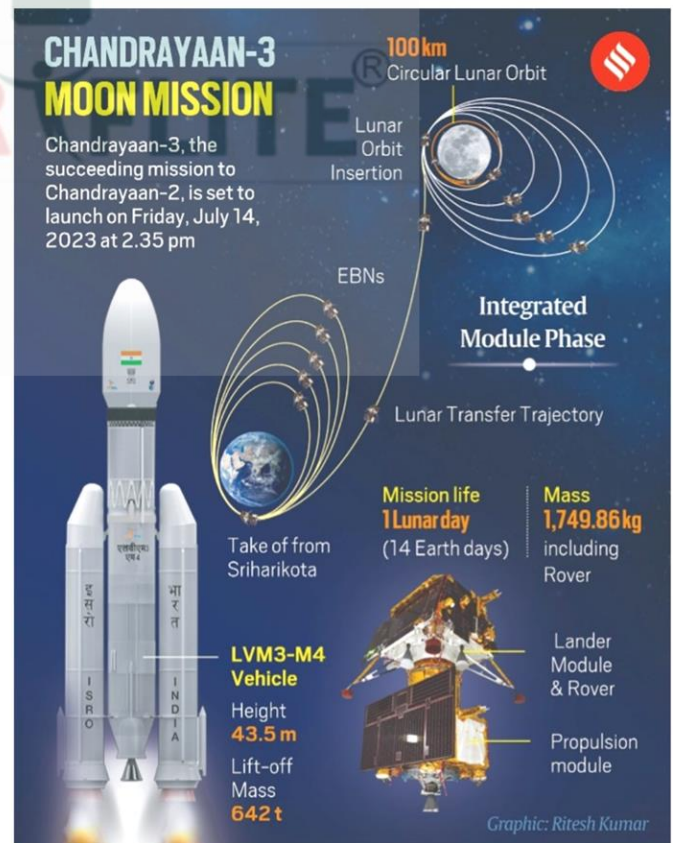
**5. Rovers:** These are an extension of the lander missions. The lander spacecraft, because they are bulky and have to stand on legs, remain stationary after landing. The instruments on board can carry out observations and collect data from close quarters but cannot come in contact with the Moon's surface or move around. Rovers are designed to overcome this difficulty. Rovers are special wheeled payloads on the lander that can detach

themselves from the spacecraft and move around on the moon's surface, collecting very useful information that instruments within the lander would not be able to obtain. The rover onboard Vikram lander in the Chandrayaan-2 mission was called Pragyaan.

**6. Human missions:** These involve the landing of astronauts on the moon's surface. So far only NASA of the United States has been able to land human beings on the moon. So far, six teams of two astronauts each have landed on the moon, all between 1969 and 1972. After that, no attempt has been made to land on the Moon. But with NASA's Artemis III, currently planned for 2025, humanity is set to once again to the lunar surface in more than 50 years.

### India's Chandrayaan-3 and its benefits for the US

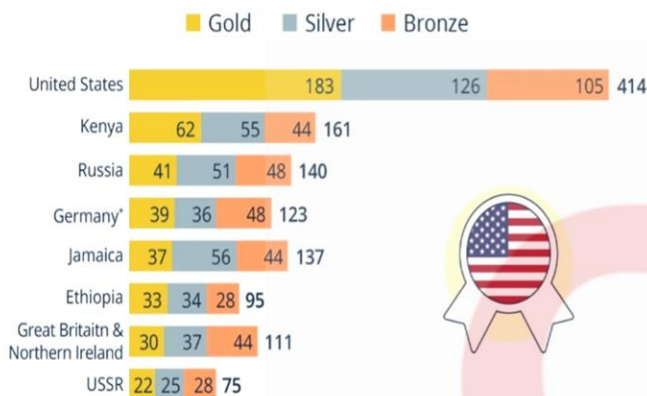
The data from Chandrayaan-3 could prove useful for future Artemis human landings. India has signed the Artemis Accords, which advance a common vision of space exploration for the benefit of all humankind. Chandrayaan-3's major goal is to land safely on the lunar surface, undertake rover operations, and conduct critical scientific investigations. This project has enormous promise for the future of space travel, with data from it likely to benefit NASA's Artemis program, which intends to establish a long-term human presence on the moon.



## Info-graphics

### U.S. Leads the Pack at the World Athletics Championships

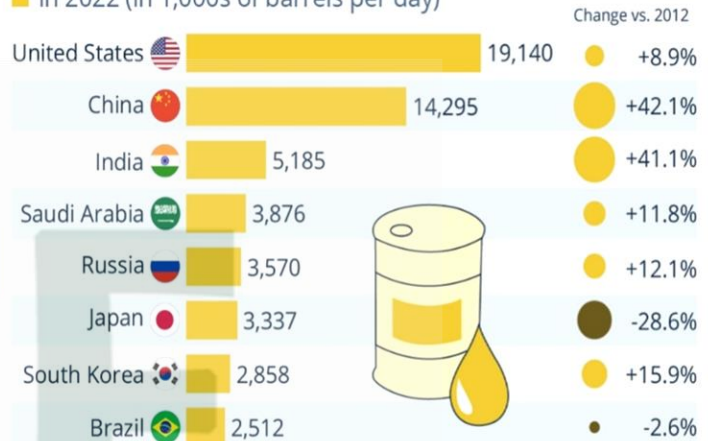
Countries awarded the most medals at the World Athletics Championships from 1983-2022



\* Does not include East Germany and West Germany pre-1990  
Table sorted by number of most gold medals  
Source: International Association of Athletics Federations

### The Countries With the Biggest Appetite for Oil

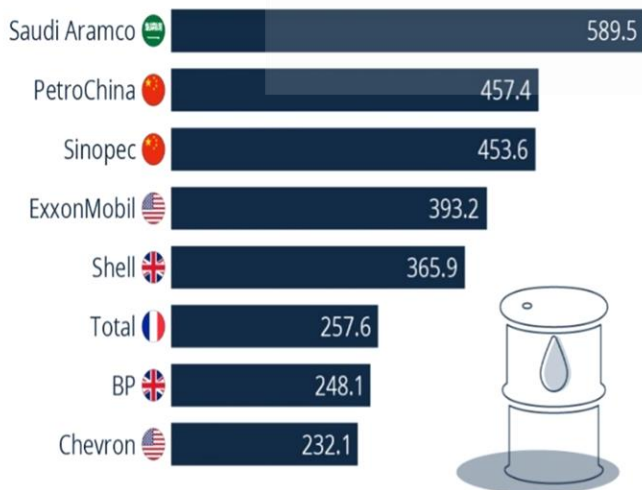
Countries with the highest oil consumption in 2022 (in 1,000s of barrels per day)\*



\* Incl. derivatives of coal and natural gas, excl. biogasoline and biodiesel  
Source: Energy Institute Statistical Review of World Energy 2023

### The Biggest Oil and Gas Companies in the World

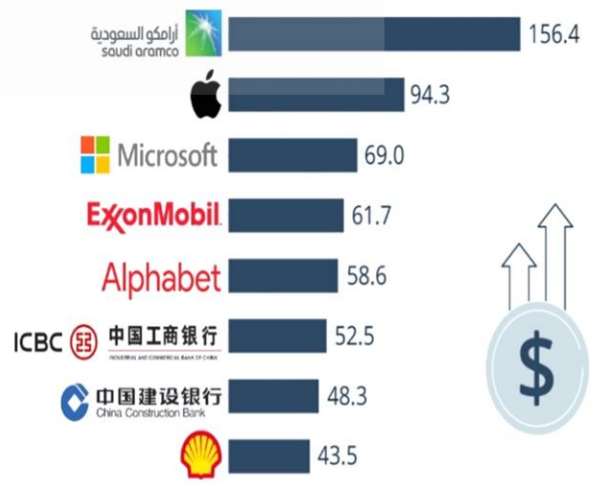
Revenue of the world's largest oil and gas companies in 2022\* (in billion U.S. dollars)



\* last 12 months available as of May 5, 2023  
Source: Forbes Global 2000

### The Most Profitable Companies in the World

2022\* profits of the world's most profitable publicly listed companies (in billion U.S. dollars)



\* last 12 months available as of May 5, 2023  
Source: Forbes Global 2000

## The Most Acclaimed Female Hip-Hop Artists

Winners of the most BET awards for Best Female Hip Hop Artist



Source: BET Awards

## Who Is Delivering Tanks to Ukraine?

Number of Leopard 2, Challenger 2 and M1 Abrams tanks for Ukraine shipped out per country (as of August 2023)



\* Around 30 more Leopard 1 of Belgian origin to be delivered from Germany. 14 Leopard 2 pledged by Denmark/Netherlands for 2024

Source: Media reports

## The World's Highest-grossing Companies

Companies with the highest revenues worldwide (in billion U.S. dollars)\*

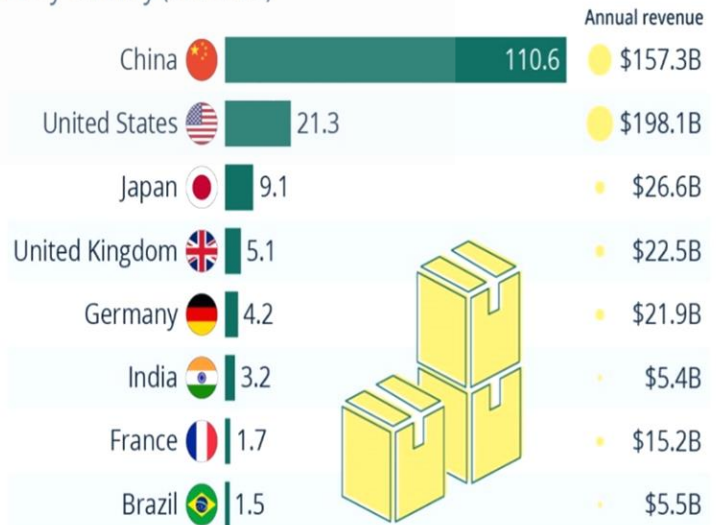


\* in last year available as of August 2023

Source: Statista Company Insights

## China Leads the World in Posted Packages

Parcels shipped worldwide in 2022, by country (in billion)\*

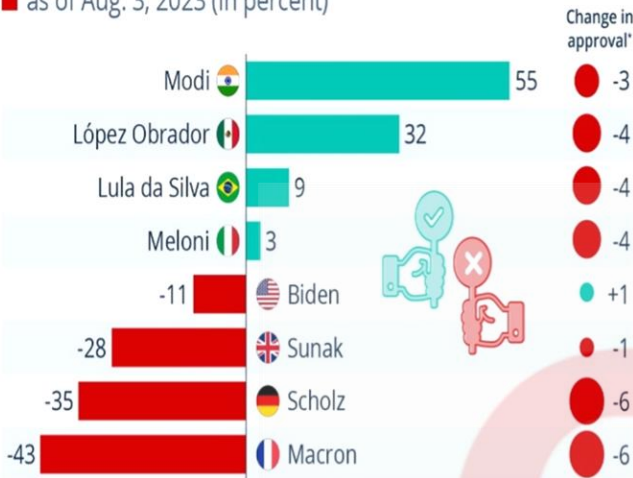


\* In the 13 biggest markets

Source: Pitney Bowes Parcel Shipping Index

## Most World Leaders Earn Poor Approval Scores in 2023

Net approval ratings of international leaders as of Aug. 3, 2023 (in percent)



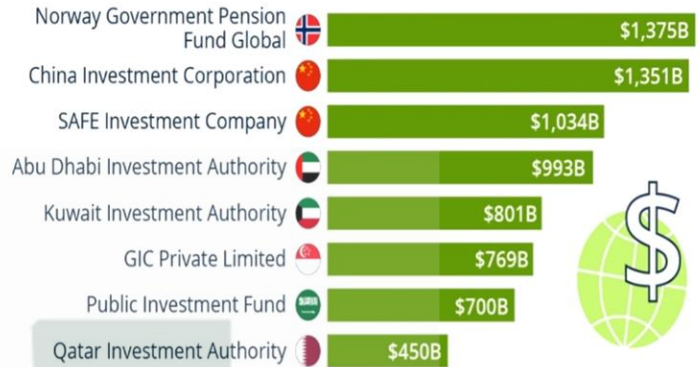
Approval rate minus disapproval rate

\* since Feb. 3, 2023

Source: Morning Consult

## The World's Largest Sovereign Wealth Funds

Assets under management of the world's largest sovereign wealth funds\*



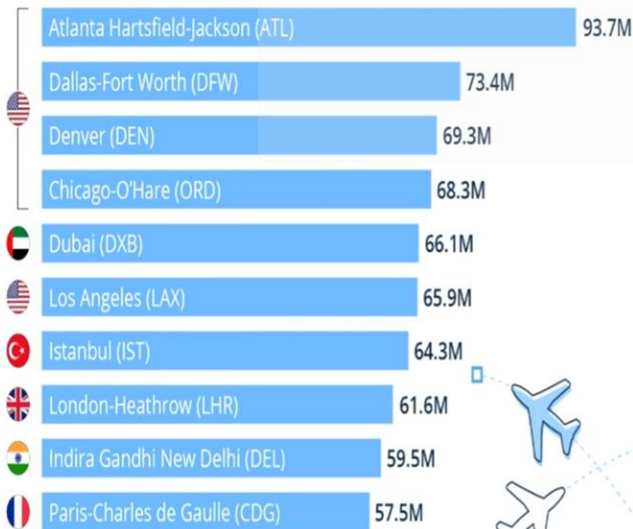
A sovereign wealth fund is a state-owned investment fund that invests globally in assets such as stocks, bonds, real estate or in alternative investments such as private equity fund or hedge funds.

\* Latest period U.S. dollar figure if available, estimation otherwise; as of Aug. 2023

Source: Global SWF

## The World's Top 10 Busiest Airports

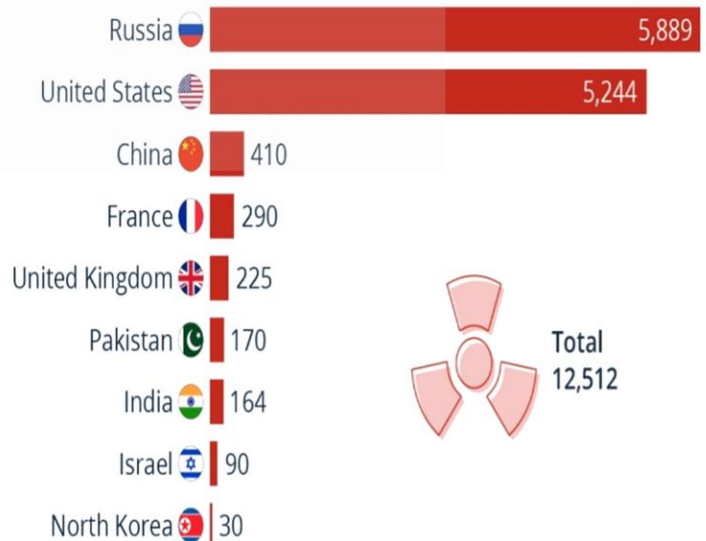
Airports with the most total passenger traffic in 2022



Source: Airports Council International (ACI)

## The Countries Holding The World's Nuclear Arsenal

Estimated global nuclear warhead inventories (Jan. 2023)\*



\* Includes deployed, stockpiled and retired warheads awaiting disarmament

Source: SIPRI



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