



ACE

Engineering Publications

(A Sister Concern of ACE Engineering Academy, Hyderabad)

Hyderabad | Delhi | Pune | Bengaluru | Vijayawada | Visakhapatnam | Tirupati

ESE-2022

(Preliminary Examination)

Current Issues

(November - 2022)

ACE is the leading institute for coaching in ESE, GATE & PSUs

Address: Sree Sindhi Guru Sangat Sabha Association, # 4-1-1236/1/A, King Koti, Abids, Hyderabad-500001.

Ph: 040-23234418 / 19 / 20 / 21, 040 - 24750437

27 All India 1st Ranks in ESE

67 All India 1st Ranks in GATE

Current Issues

(November - 2022)

POLICY OF GOVERNANCE

FIRST HYPER-SCALE DATA CENTRE: YOTTA YOTTA D1



Why in News?

Uttar Pradesh Chief Minister Yogi Adityanath inaugurated north India's first hyperscale data center Yotta D1 built at a cost of Rs 5,000 crore and spread over an area of 300,000 square feet at the upcoming Data Centre Park in Greater Noida.

KEY POINTS

About Yotta D1:

- Yotta D1 is the first of the 6 data centre buildings currently being built in the Greater Noida data centre park
- Memorandums of Understanding worth Rs 39,000 crore were also signed between the Yogi Government and Hiranandani Group to be spent on projects in the next five years
- Yotta D1 is North India's first data centre comes under Digital India Movement it aims at increasing the data storage capacity of the country which until now stood at 2% only despite the fact that 1.5 billion mobile phones and 650 million internet users in the world from India using 20% of data.
- It is the first of the six data centre and going to be operationalized in just 20 months

Features of Yotta D1:

- The Yotta D1 features Internet peering exchanges and direct fibre connectivity to and from global cloud operators, making it extremely useful for global connectivity
- It will be the first pillar of North India's 5G revolution.
- The data centre park is expected to increase GSDP significantly while creating new avenues for investment in view of the proposed Uttar Pradesh Global Investors Summit 2023 and creating huge employment opportunities
- The total storage capacity in the country is proposals of 600 MW have been received from many investors in the country and abroad.

FIRST STATE IN THE COUNTRY TO GET 5G SERVICE IN ALL DISTRICTS



Why in News?

Recently, Gujarat becomes the first state in the state in the country to get 5G Service in all 33 districts of Gujarat.

KEY POINTS

- Gujarat become the first state in the state in the country to get 5G Service in all districts
- Gujarat is now the first state to have 100% district headquarters connected with Jio robust True 5G networks. It showcases the real power of 5G technology and how it can impact a billion lives.
- Jio 5G Service is currently available in beta and they will be available on invite only basis this means that users will get invites to avail Jio 5G they cannot subscribe to it
- 5G Service also aims at launching the series of true 5G powered initiatives across Education, Health, Agriculture, Industry 4.0, and IoT sectors in Gujarat.
- This rollout in Gujarat with an initiative called Education-For-All

Education-For-All?

- Education-for-all is an initiative in which Reliance Foundation and Jio comes together to digitize 100 schools in state.
- Aim: this initiative aims at empowering students across the country digitally for quality education
- This initiative plans to connect schools with:
 1. Jiotrue 5G connectivity
 2. Advanced Content Platform
 3. Teacher and student collaboration Platform
 4. School Management Platform

MANGARH DHAM A NATIONAL MONUMENT



KEY POINTS

- Prime Minister Narendra Modi on 1 November has declared Mangarh Dham in Banswara District Rajasthan a national monument.
- To recognize tribal heroes November 15 has declared as Janjatiya Gaurav Diwas to recognize the contribution of the tribal people to society and increase awareness about their sacrifice in the freedom struggle.

Mangarh Dham:

- The Mangarh Dham is memorial for around 1500 tribals massacred by British army in 1913.
- The massacre that took place in Mangarh on November 17, 1913, was the culmination of the brutality of British rule.

- The gathering of tribals and forest dwellers in 1913 in Mangarh against the British Raj was led by Bhil social reformer Govind Guru.
- It is located in the region with large tribal population the district on the Gujarat- Rajasthan Border, this is also the common heritage of Rajasthan, Gujarat, Maharashtra, and Madhya Pradesh.
- Mangarh Dham is the symbol of the tenacity and sacrifices of the tribals

AADHAAR MITRA



KEY POINTS

- The Unique Identification Authority of India (UIDAI) launched the new AI/ML based chatbot, ‘Aadhaar Mitra’ for better resident experience.
- The UIDAI Chatbot is a chat tool that offers prompt, automatic responses about Aadhaar and related features.
- Both Hindi and English are available for the chatbot further enhance user experience
- A resident centric coordinated approach is enabling UIDAI to resolve nearly 92% of CRM grievances within a week.
- UIDAI says, “Aadhaar Chatbot is well trained on all Aadhaar related topics, features and services.
- Resident can simply type the query in chatbot and get the desired answers immediately.”
- The resident portal. Users can start chatting with the chatbot by clicking the blue “Ask Aadhaar” button.

INDIA BECOMES THE WORLD'S SECOND LARGEST PRODUCER OF STEEL



Why in News?

India has moved from 4th largest producer of steel to the second largest producer of steel at global scale.

KEY POINTS

- Union Minister of Steel Jyotiraditya Scindia has said that India has made remarkable progress in the steel sector in the last 8 years which was previously a net importer of steel, has now become a net exporter.
- In terms of installed steel capacity, the country has increased from 100 million tonnes per year to nearly 150 million tonnes.
- It is our target, that by 2030 we intend to double our steel production from 150 to 300 million tones.
- SAIL's current capacity is 19.6 million tonnes and we are going to grow SAIL's capacity to 33 million tonnes by 2030 and Bokara Steel plant's capacity is 4.6 million tonnes, which will go to 8.6 million tonnes.

INDIA'S FIRST NATIONAL CENTRE OF EXCELLENCE FOR GREEN PORT & SHIPPING



KEY POINTS

- Union Minister of Ports, Shipping and Waterways Sarbananda Sonowal announced India's first National Centre of Excellence for Green Port & Shipping.
- India's first National Centre of Excellence for Green Port & Shipping (NCoEGPS) was launched at "INMARCO 2022" held in Mumbai.
- The INMARCO is a quadrennial International Maritime Conference and Exhibition, hosted by the Institute of Marine Engineers.
- The centre aims to develop a regulatory framework and alternate technology adoption road map for Green Shipping to foster carbon neutrality and circular economy (CE) in shipping sector in India.
- India intends to increase the share of renewable energy to 60% of the total power demand of each of its major ports from a present share of less than 10%. This will be through solar and wind-generated power.
- The ports have also aimed to reduce Carbon emissions per ton of cargo handled by 30% by 2030.
- The Maritime Vision Document 2030, released by Prime Minister Shri Narendra Modi is a 10 Year blueprint on India's vision of a sustainable Maritime sector and vibrant blue economy. India has been selected as the first country under the IMO Green Voyage 2050 project to conduct a pilot project related to Green Shipping.

FIRST G-20 SHERPA MEETING



KEY POINTS

- Udaipur city in Rajasthan will host the first G-20 Sherpa Meeting from 4 to 7 December 2022.
- The meeting will be presided over by the Indian Sherpa Amitabh Kant.
- The Sherpa are the personal emissaries of the leaders of the members of the G-20 group.
- They oversee negotiations over the year, discussing agenda items for the Summit and coordinating the substantive work of the G20.
- The G-20 Sherpa meeting will also help in projecting Udaipur as an international tourist destination.
- India as a host nation will set the agenda of the G-20 summit meeting to be held in September 2023 in New Delhi.
- Group of 20 or G-20, a multilateral organization of 19 countries, and the European Union was set up in 1999.
- India has been a member of the G20 since its inception.
- The G20 represents almost 85 percent of the global GDP, about two-thirds of the world population, and over 75 percent of the global trade.

INDIA'S FIRST UNANI MEDICINE REGIONAL CENTER OF NORTHEAST



KEY POINTS

- The first institute of Unani medicine in the Northeast region of India was inaugurated in Silchar town of Assam.
- The Unani medicine institute in Silchar of Assam was inaugurated by Union Ayush minister Sarbananda Sonowal.
- The Regional Research Institute of Unani Medicine (RRIUM) in Silchar town of Assam has been built at a cost of Rs 48 crore.
- The complex was developed by National Projects Construction Corporation (NPCC) and was handed over to Central council for Research in Unani Medicine.

AMAR SARKAR'PORTAL LAUNCHED BY TRIPRUA



Why in News?

Tripura Chief Minister Dr Manik Saha has recently launched an portal named as Amar Sarkar Portal which aims at to ensure all the central and state sponsored schemes reach every doorstep

KEY POINTS

- This portal act as bridge between people and government
- The portal is being launched to help people register problems and complaints through village committee officials.
- A total of 78 departments, including the panchayat department, has been included in the webportal.
- Earlier in September Tripura government had launched the Har Ghar Sushasan three month long Initiative which will end in November
- Har Ghar Sushasan initiative also aims at to ensure door step delivery of major central and state government run schemes in a mission mode
- The initiative also urged the rural and urban local bodies to undertake developmental works.

FIRST GREENFIELD AIRPORT IN ARUNACHAL PRADESH



Why in News?

Prime Minister Narendra Modi inaugurated the first Greenfield airport in Arunachal Pradesh - The Donyi Polo Airport at Itanagar

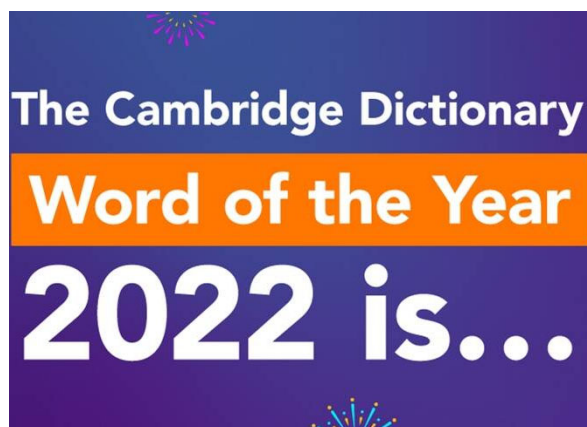
KEY POINTS

- Arunachal Pradesh the Donyi Polo Airport at Itanagar will be the fourth operational airport for Arunachal Pradesh.
- Northeast India will now have total airport count in the North-East region to 16
- The name of the airport reflects the traditions and rich cultural heritage of Arunachal Pradesh 'Donyi' means the Sun while 'Polo' means the moon. Drawing an analogy to the light of the sun and the moon with the development of the state.
- The airport has been developed in an area of over 690 acres, at a cost of more than Rs. 640 crores.

Kameng Hydro Power Station:

- He also dedicated the 600 MW Kameng Hydro Power Station to the nation.
- Kameng Hydro Power Station developed at a cost of more than Rs 8450 crore and in an area spread over more than 80 kilometres in West Kameng District of Arunachal Pradesh
- The project will make Arunachal Pradesh a power surplus state, also benefiting the National Grid in terms of grid stability and integration.
- This project will contribute in a major way towards the fulfilment of the country's commitment to increase the adoption of green energy.

CAMBRIDGE DICTIONARY WORD OF THE YEAR FOR 2022



KEY POINTS

- The Cambridge Dictionary has revealed its word of the year for 2022 as "homer", saying that it was inspired by the global word game sensation, Wordle.
- The word "homer" was searched for nearly 75,000 times during the first week of May 2022, when it was an answer in the word game Wordle.
- In the context of the game, "homer" doesn't refer to the Greek poet and author, or a character from Simpson, but refers to an informal American English word for a 'home run' in baseball.

53rd TIGER RESERVE OF INDIA



KEY POINTS

- Ranipur becomes UP's fourth and country's 53rd Tiger Reserve and it was established in 1977, it is one of the main attractions of Chitrakoot district of Uttar Pradesh.
- It is located at UP-MP Border Chitrakoot district of UP and it is fourth in the state after Dudhwa, Pilibhit and Amangarh
- The Tiger Reserve has tropical dry deciduous forests and is home to fauna such as tigers, leopards, carcass bears, spotted deer, sambar, chinkara and many birds and reptiles

INDIA'S FIRST AQUA PARK



Why in News?

India's first aqua park to be set up in Arunachal Pradesh IN Tarin (Ziro).

KEY POINTS

- It is Northeast's first fish museum will be part of the Integrated Aqua Park which is sanctioned by the Union Ministry of Fisheries to be established in Tarin (Ziro) in the Lower Subansiri district in Arunachal Pradesh.

- It is also India's first-ever Aqua Park
- The fish museum will be part of India's first-ever 'Integrated Aqua Park' which has been approved by the central government under Pradhan Mantri Matsya Sampada Yojana for bringing the blue revolution.
- The park will be set up at Tarin (Ziro) in the Lower Subansiri district.
- The ambitious project is sanctioned under the CSS Component of Pradhan Mantri Matsya Sampada Yojana with overall cost of Rs. 50 crores and Central's share is of Rs. 45.11 crores.
- The Central Government's Pradhan Mantri Matsya Sampada Yojana aims at addressing the critical gaps in the fisheries value chain, productivity, and quality of technology, marketing, and post-harvest infrastructure.
- It also aims to modernize and strengthen the value chain, establish a robust fisheries management framework and enhance traceability while also simultaneously ensuring the socio-economic welfare of fisheries and fish farmers.

INTERNATION ISSUES

GHANA ASSUMES UN SECURITY COUNCIL PRESIDENCY



KEY POINTS

- Ghana assumes the rotating monthly Presidency of the United Nations Security Council on 1st November 2022.
- During this month of November 2022 Ghana shall preside over the meetings of the council and under its authority represent Security Council.
- UN Security Council is consist of 15 members states the objective of council is to maintain International peace and security.
- Among 15 members state includes five permanent members: China, Russian Federation, France, United States, United Kingdom and ten non permanent members:the non permanent members are elected by UN General Assembly every year for two year tenure
- The Ghana presodency ends on 31st Decemeber 2023.
- Ghana was first given the opprotunity to serve on the council form 1962to 1963 and was back again in 2006 to 2007
- The presidency of the United Nations Security Council is responsible for leading the United Nations Security Council.
- The presidency has rotated every month since its establishment in 1946

QATAR SIGHS WORLD'S LONGEST GAS SUPPLY DEAL WITH CHINA



Why in News?

Qatar's state energy company announced a 27-year natural gas supply deal with China and it is the longest deal in the industry

KEY POINTS

- Qatar energy will send four million tonnes of LPG annually from its new north field east project to China petroleum and chemical corporation (Sinopec)
- Asian countries led by China, Japan and South Korea are the main market for Qatar's gas which is increasingly being sought by European countries since Russia's invasion of Ukraine.
- This deal strengthened ties with Asia at a time when Europe is scrambling for alternative sources.
- North Field is at the centre of Qatar's expansion of its liquefied natural gas production by more than 60 percent to 126 million tonnes a year by 2027.
- The deal was signed on an ex-ship basis, this means that QatarEnergy will be responsible for the shipping and delivery of the LNG
- China is the first country to seal a deal for North Field East.
- Qatar is already the world's top LNG exporter and its North Field expansion project will boost that position and help guarantee long-term supplies of gas to Europe as the continent seeks alternatives to Russian flows.

FIRST PARASTRONAUT BY ESA



KEY POINTS

- On 23 November 2022 European Space Agency announced the name of the first parastronaut in a major step towards allowing people with physical Disabilities to work and live in space
- It is the 22-nation agency and they appointed British Paralympic sprinter John McFall to take part in a feasibility study during astronaut training to assess the conditions needed for people with disabilities to take part in future missions
- McFall will work with ESA engineers to understand what changes in hardware are needed to open professional spaceflight to a wider group of qualified candidates.
- The announcement came as ESA appointed a new set of astronauts for the first time since 2009 after whittling down 22,500 valid applications.

MERRIAM-WEBSTER WORD OF THE YEAR 2022



KEY POINTS

- The US dictionary publisher Merriam-Webster announced that their 2022 word of the year is “gaslighting” or as Merriam-Webster defines it, “the act or practice of grossly misleading someone especially for one's own advantage.”

- According to Merriam-Webster, the origins of the term "gaslighting" date back to a 1938 play – "which involves a man attempting to make his wife believe that she is going insane.
- In this original context, Merriam-Webster defines gaslighting as a "psychological manipulation of a person" – which can cause that person "to question the validity of their own thoughts, perception of reality, or memories and typically leads to confusion, loss of confidence and self-esteem, uncertainty of one's emotional or mental stability, and a dependency on the perpetrator."

JAPAN SUCCESSFULLY PROPELS STEAM-POWERED SPACECRAFT



KEY POINTS

- Japan's space agency Jaxa has announced it successfully used steam to propel its spacecraft that was launched as one of the payloads aboard Nasa's Orion spacecraft.
- This is the world's first successful orbit control beyond low-Earth orbit using a water propellant propulsion system.
- Japan Aerospace Exploration Agency's (JAXA) water-powered CubeSat spacecraft, EQUilibriUm Lunar-Earth point 6U (EQUULEUS), was launched on its way by NASA's Orion spacecraft, which recently broke a record for the farthest distance traveled by a human-rated spacecraft.
- JAXA confirmed that the EQUULEUS spacecraft performed a maneuver that moved it toward its planned orbital path on the second Earth Moon Lagrange Point (EML2) located beyond the moon.
- Lagrangian points are locations in space where the gravity of large objects such as planets are balanced out by the centrifugal force of a spacecraft allowing for a very stable orbit

WORLD'S FIRST INTRANASAL VACCINE FOR COVID



KEY POINTS

- World's first intra-nasal vaccine for COVID developed by India has got approval from the Central Drugs Standard Control Organisation (CDSCO) for restricted use in emergency situations in the age group of 18 and above.
- The world's first intranasal vaccine by Bharat Biotech has received both primary series and Heterologous booster approval.
- The heterologous booster dose studies were conducted for safety and immunogenicity in ~875 subjects, with BBV154 intranasal vaccine administered post 2 doses of the two commonly administered COVID-19 vaccines
- The iNCOVACC is a recombinant replication-deficient adenovirus vectored vaccine with a pre-fusion stabilized spike protein. This vaccine candidate was evaluated in phase I, II and III clinical trials with successful results.
- The nasal delivery system has been designed and developed to be cost-effective in low- and middle-income countries

NEW WORLD HERITAGE SITE ADDED



KEY POINTS

- UN panel has recommended that Australia's Great Barrier Reef should be listed as a World Heritage site that is in danger.
- The UN also informed that the world's biggest coral reef ecosystem was significantly impacted by climate change and the warming of oceans.
- Frequent bleaching events are threatening the reef including four over the last seven years and the first during a La Nina phenomenon which typically brings cooler temperatures
- Bleaching happens when the water warms too much, causing corals to expel the colourful algae living in their tissues and turn white.
- Corals are sessile animals that 'take root' on the ocean floor. They can survive a bleaching event but it can stunt their growth and affects reproduction.
- The resilience of the (reef) to recover from climate change impacts is substantially compromised.
- Last year, Australia dodged an “in danger” listing for the reef after heavy lobbying by the previous government led UNESCO to postpone a decision to this year
- Australia’s government will spend A\$1.2 billion (\$800 million) in coming years to protect the reef.
- Canberra has lobbied for years to keep the reef – which contributes A\$6.4 billion (\$4.3 billion) to the economy – off the endangered list as it could lead to losing the heritage status, taking some shine off its attraction for tourists.

"INDO-PACIFIC REGIONAL DIALOGUE 2022" (IPRD-2022)



KEY POINTS

- The Four edition of Indo-Pacific Regional Dialogue 2022 (IPRD-2022), the annual apex-level regional strategic dialogue of the Indian Navy, is being conducted by the Indian Navy in New Delhi from 23 November 2022 to 25 November 2022.
- Theme of the event – “Operationalising the Indo-Pacific Oceans Initiative” (IPOI)
- The first session of the day was based on the theme: “Building Maritime Connectivity: Ports, Trade and Transport”.
- the second day of the IPRD was conducted in three thematic sessions, which focused on three specific ‘pillars’ or ‘spokes’ of the IPOI namely, “Trade, Connectivity and Maritime Transport”, “Capacity Building and Resource Sharing”, and “Maritime Resources”
- The next session was conducted on the theme Capacity-Building and Capability Enhancement: Leveraging the Physical and Social Sciences.
- The IPRD-2022 organised by the National Maritime Foundation (NMF) New Delhi as the Indian Navy’s knowledge partner is being attended by over 800 participants including delegates from twenty friendly foreign countries and international organisations.

EXERCISE GARUDA SHAKTI



KEY POINTS

- Exercise GARUDA SHAKTI is the eighth edition of the series of bilateral exercises
- It is a military-to-military exchange program a contingent of Indian Special Forces troops with Indonesian Special Forces at Sangga Buana Training Area, Karawang, Indonesia.
- The exercise commenced on 21 November 2022 aims at enhancing understanding, cooperation and interoperability between the Special Forces of both armies.
- The scope of the joint exercise includes orientation to advance special forces skills, sharing of information on weapon, equipment, innovations, tactics, techniques & procedures and lessons learnt from various operations undertaken, Special Forces Operations in Jungle terrain, strikes on terrorist camps and a validation exercise integrating basic and advance special forces skills apart from gaining an insight into the lifestyle and culture of both countries to foster military cooperation.
- The joint training would also focus on a high degree of physical fitness, tactical drills, techniques and procedures for which a comprehensive 13-day training programme has been worked out. The exercise will culminate in a 48-hour long validation exercise.
- The joint exercise will facilitate both armies to know each other better, and share their wide experiences and combat experience on countering terrorist operations, Regional Security Operations & Peace Keeping Operations in an international environment.

WORLD FIRST DRONE MEDICATED LIVESTOCK VACCINATION SERVICE



KEY POINTS

- World first drone mediated livestock vaccination service launched in arunachal pradesh from Kangkong to Paglam in Lower Dibang Valley district.
- The TechEagle's drone flight covered an aerial distance of 28 kms within 23 minutes, a distance of 125 kms by road, which takes 4 hours to traverse.
- TechEagle's indigenously developed Hybrid Drone- Vertiplane X3 delivered vaccines 12 times faster than ground transportation.
- TechEagle used its made-in-India – Hybrid e-VTOL Drone, Vertiplane X3. It is India's fastest and longest-range hybrid e-VTOL drone that flies at a maximum speed of 120 kmph for 100km in single charge.
- It takes off vertically like a helicopter and converts itself automatically into fixed-wing (i.e. passenger aircraft) mode for travelling larger distances with greater speed, and when it reaches the delivery locations, converts itself back to helicopter mode to land in a very small area of 5m*5m.
- The in-house developed drone can be operated in most geographics and terrains.
- The drone delivery is carried out by TechEagle in collaboration with the Animal Husbandry department and EY to strengthen the healthcare ecosystem of the animals by providing rapid and safe delivery of healthcare-related items, starting from Lower Dibang Valley on.
- Animal husbandry is an important economic sector and rearing of livestock directly influences the socio-economic condition of Arunachal Pradesh.
- Therefore, to ensure the good health of the livestock even in far-to-reach areas with the Animal husbandry department drone delivery systems is created to empower the farmers and create a robust infrastructure.

COP19 OF CITIES



KEY POINTS

- 19th Meeting of the conference of the parties to the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES CoP19 held in Panama from 14-25 November 2022).

Significance to India:

- In India, the species *Dalbergia sissoo* (North Indian Rosewood or Shisham) is found in abundance and is not treated as an endangered species.
- Shisham (*Dalbergia sissoo*) is included in Appendix II of the convention, thereby requiring to follow CITES regulations for the trade of the species.
- As of now every consignment of weight above 10 kg requires CITES permit.
- Due to this restriction exports of furniture and handicrafts made of *Dalbergia sissoo* from India has been continuously falling from an estimated 1000 crore Indian Rupees (~129 million USD) per annum before the listing, to 500-600 crore Indian Rupees (~64 to 77 million USD) per annum after the listing.
- The decrease in exports of *Dalbergia sissoo* products has affected the livelihoods of around 50,000 artisans who work with the species.
- India's initiative a proposal to clarify the quantity of Shisham (*Dalbergia sissoo*) items such as furniture and artefacts was considered in the current meeting.
- After sustained deliberations by Indian representatives it was agreed upon that any number of *Dalbergia sissoo* timber-based items can be exported as a single consignment in a shipment without CITES permits if the weight of each individual item of this consignment is less than 10 kg.
- Further, it was agreed that for net weight of each item only timber will be considered and any other item used in the product like metal etc. will be ignored. This is a great relief for the Indian artisans and furniture industry.

AWARDS

ARUNA SAIRAM HAS BEEN HONOURED GOVERNMENT'S HIGHEST HONOUR - THE CHEVALIER AWARD



KEY POINTS

- Carnatic vocalist Aruna Sairam will be conferred the Chevalier de l'Ordre National du Mérite, the Knight of the Order of the Merit, by the French government.
- She has been selected for her singing talent and contribution to the development of Indo-France relations.
- She is the recipient of several awards including the Padma Shri by the central Government and the Sangita Kalanidhi by the Music Academy.
- She was also elected as the Vice Chairperson of the Sangeet Natak Akademi.

FAMILY PLANNING (EXCELL) AWARDS



KEY POINTS

- India became the only country to receive the Leadership in Family Planning (EXCELL) Awards 2022 in the ‘country category’ at the International Conference on Family Planning held in Thailand.
- India’s efforts in improving family planning demonstrate the progress the country has been making toward achieving the SDG targets on women and maternal health.
- As per NFHS-5 National Family Health Survey (NFHS) – 5 data , overall Contraceptive Prevalence Rate (CPR) has increased substantially from 54 percent to 67 percent in the country from NFHS-4.
- The International Conference on Family Planning (ICFP) has served as a strategic inflection point for the global reproductive health community providing a global stage for more than 120 countries worldwide, organizations, and individuals to make important commitments and celebrate achievements as the world’s largest scientific conclave on family planning and reproductive health.

FOR FIRST TIME CRPF APPOINT TWO WOMEN AS THE IG OF RAF



KEY POINTS

- The CRPF has appointed two women officers from its cadre as Inspectors General (IG) of its

specialised anti-riots unit RAF and the Bihar Sector.

- Annie Abraham has been appointed as the IG of the blue duangree donning Rapid Action Force (RAF) while Seema Dhundia has been posted as the IG of the Bihar Sector.
- Both officers joined the paramilitary force in 1987 as the first batch of women officers.
- They have also commanded an all-women Indian police contingent at the UN.

NATIONAL FLORENCE NIGHTINGALE AWARDS (NFNA) FOR THE YEAR 2021



KEY POINTS

- 51 Nursing Officers from across the country felicitated with National Florence Nightingale Awards (NFNA) for the Year 2021 by The President of India, Smt Droupadi Murmu.
- The National Florence Nightingale Awards were instituted in the year 1973 by the Ministry of Health and Family Welfare, Government of India.
- This award marks of recognition for the meritorious services rendered by the nurses and nursing professionals to the society.

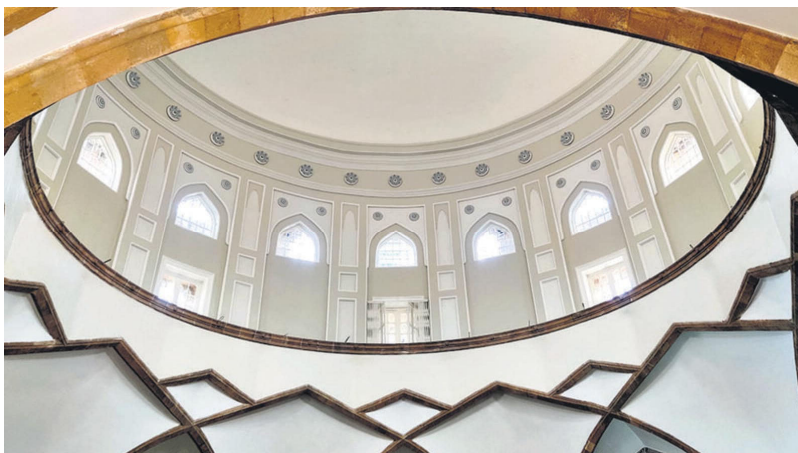
NATIONAL SPORTS AWARDS



KEY POINTS

- President Droupadi Murmu conferred national sports awards to Indian table tennis veteran Sharath Kamal, boxing world champion Nikhat Zareen, badminton ace Lakshya Sen, along with 38 other sportspersons, coaches and institutions at the Rashtrapati Bhawan in Delhi.
- Sharath Kamal, who won three gold medals and a silver at the Commonwealth Games 2022 earlier this year, has been conferred with India's highest sporting honour, the Major Dhyan Chand Khel Ratna award.
- Apart from Sharath, 25 sportspersons were presented with the Arjuna Award, given out for consistent performance over a period of four years.
- Boxing sensation Nikhat Zareen, who became the world champion in May, Lakshya Sen, the men's singles badminton gold medallist at Commonwealth Games 2022, and the 2019 world silver medallist boxer Amit Panghal were among the recipients of the Arjuna Award.
- Apart from these three, Triple jumper Eldhose Paul and steeplechaser Avinash Sable were also conferred with the Arjuna Award.

UNESCO AWARD



KEY POINTS

- Chhatrapati Shivaji Maharaj Vastu Sangrahalaya wins UNESCO Award. Chhatrapati Shivaji Maharaj Vastu Sangrahalaya (CSMVS) was conferred with the 'Award of Excellence' at the United Nations Educational, Scientific and Cultural Organisation (UNESCO) Asia-Pacific Awards for Cultural Heritage Conservation-2022.
- Since 2000 the UNESCO Asia Pacific Awards for Cultural Heritage Conservation programme has been recognizing the efforts of private individuals and organizations in restoring, conserving, and transforming structures and building of heritage value in the region.
- Award of Distinction: Stepwells of Golconda in Hyderabad India, Zarch Qanat in Yazd Iran, Neilson Hays Library in Bangkok Thailand.
- Award of Merit: Topdara Stupa Charikar Afghanistan, Nantian Buddhist Temple Fujian China, Domakonda Fort Telangana, India, Byculla Station Mumbai India, Sadoughi House Yazd Iran, 25 Chivas in Kathmandu Nepal.
- Special Recognition for Sustainable Development: West Guizhou Lilong Neighborhood, Shanghai, China.

DR. ABDUL KALAM SEVA PURASKAR



KEY POINTS

- On November 22: Ravi Kumar Sagar one of the youngest founders and CEO of RK'S INNO group was conferred with the most prestigious Dr. Abdul Kalam Seva Puraskar.
- The award was presented to him for his persistent service to society and is one of the youngest entrepreneurs in India.
- Dr. Kalam Seva Purasakar is hosted every year by Vandhe Bharat Foundation and LeadIndia Foundation to commemorate the birth anniversary of the late former President of India Dr. APJ Adul Kalam.
- The award is conferred to the deserving candidates on the birth anniversary of Dr. Kalam for recognizing various people who have been doing extraordinary work for society.

TENZING NORGAY ADVENTURE AWARD" (TNNAA) 2021



KEY POINTS

- Tenzing Norgay Adventure Award (TNNAA) for the year 2021 was announced by the Ministry of Youth Affairs and Sports, Government of India.

- The award is offered in four categories:
 1. Lifetime Achievement
 2. Land Adventure
 3. Water Adventure
 4. Air Adventure
- The awardees will receive their awards from the President of India along with other Sports Awardees at the Rashtrapati Bhawan on 30th November 2022.
- They will receive statuettes, certificates and award money of Rs. 15 lakh each.
- Tenzing Norgay National Adventure Awards are given every year to recognize the achievements of persons in the fields of adventure, to encourage young people to develop the spirit of endurance, risk-taking, cooperative teamwork and quick, ready and effective reflexes in challenging situations and to provide incentive to the young people for getting exposed to the adventure activities.

SWACHH VIDYALAYA PURASKAR 2021-22



KEY POINTS

- Minister of State for Education Dr Subhash Sarkar conferred National Swachh Vidyalaya Puraskar 2021-22 in New-Delhi.
- 39 schools have been given awards including five in the national category and 34 in the overall category. 60,000 rupees were given to the national category winners and 20,000 rupees were given to the other category.
- The swachh vidyalaya puraskar has been instituted by the Ministry of Education in 2014 to recognize excellence in water, healthcare and sanitation in schools.
- The awards were presented to rural and urban government schools, government aided schools and private schools.

PRCI EXCELLENCE AWARD 2022



KEY POINTS

- National Mineral Development Corporation (NMDC) bagged the Champion of Champions Award sweeping the 16th PRCI Global Communication Conclave 2022 to bring home fourteen Corporate Communication Excellence Awards.
- The awards were presented at the Global Communication Conclave organized by Public Relations Council of India (PRCI) in Kolkata.

SPORTS

FIFA WORLD CUP



KEY POINTS

- The 2022 FIFA World Cup comprises of 211 national associations held in Qatar.
- Qatar will host it from November 20 until December 18, 2022
- The tournament's 22nd edition is also the last to include 32 teams, the following edition in 2026 being confirmed as a 48-nation tournament.
- FIFA is an International men's senior football championship held every four years
- It was founded in 1904 to oversee international competition among the national associations of Belgium, Denmark, France, Germany, the Netherlands, Spain, Sweden and Switzerland

FOOTBALL4SCHOOLS INITIATIVE



KEY POINTS

- India and FIFA have signed a Memorandum of Understanding for the Football4Schools initiative to promote the game of football in India.
- Football is an immensely popular sport and the Football4Schools program is a positive tool to inspire children and ensure their holistic development.
- 'Football4Schools' aims to empower 25 million young boys and girls in India through sports-integrated learning, Empower and provide coach-educators with the training to deliver sport and life-skills activities, Build the capacity of stakeholders (Schools, Member Associations and public authorities) to deliver training in life skills through football, Strengthen the cooperation between governments and participating schools to enable partnerships, alliances and intersectoral collaboration.

MASCOT PARIS OLYMPICS AND PARAOLYMPICS



KEY POINTS

- The mascots for the 2024 Paris Olympics and Paralympics have been revealed a Phrygian cap.
- The Olympic Phryge and The Paralympic Phryge the mascots feature googly blue eyes and red Phrygian caps for bodies.
- It is triangular in shape, and comes complete with friendly smile, blue eyes, tricolor ribbon and big colored sneakers.
- The soft conical caps with bent apexes became a symbol of liberty during the French Revolution of 1789 to 1799 when they were worn by the revolutionaries
- The Paris Olympics will be held from July 26-Aug. 11, 2024, and the Paralympics from Aug. 28-Sept 8.

2nd EDITION OF NORTHEAST OLYMPIC GAMES



KEY POINTS

- The 2nd edition of the North East Olympic Games concluded in Shillong Meghalaya with Manipur emerging as the overall team champion with a total of 240 medals which included 88 gold medal 75 silver and 77 bronze medals
- Assam took the second spot with a total of 203 medals which included 79 gold medals, 61 silver and 63 bronze medals.

- Arunachal Pradesh got the third spot from the host State with a total of 112 medals which included 39 gold, 36 silver and 37 bronze medals.
- Meghalaya was at the 4th spot followed by Nagaland at the 5th, Mizoram at 6th, Tripura at 7th and Sikkim was at the last position.
- The Games was organized by the government of Meghalaya and the state Olympic Association under the aegis of Northeast Olympic Association.

KABBADI WORLD CUP 2025



KEY POINTS

- The 2025 Kabaddi World Cup will be hosted in the West Midlands of United Kingdom
- The UK region will host the sport's most prestigious global tournament which will feature the world's best kabaddi players from leading men's and women's teams, including India, Iran and Pakistan.
- The news was revealed as part of a West Midlands trade mission to India (November 6-12), led by the region's Mayor Andy Street and Portfolio Lead for Economy and Innovation at the West Midlands Combined Authority, Cllr Ian Brookfield.
- The week-long mission will create opportunities for bilateral trade and investment between India, the West Midlands, and the wider UK.

SUMMITS

5TH MEETING OF HIGH POWERED MONITORING COMMITTEE (HPMC)



KEY POINTS

- The 5th Meeting of High Powered Monitoring Committee (HPMC) under National SC-ST Hub scheme was chaired by Union Minister of MSME on 3rd November 2022.
- The objective of National SC-ST Hub is to develop a supportive ecosystem for SC/ST entrepreneurs to achieve the mandated 4% procurement by the CPSEs from the SC/ST entrepreneurs as laid down in Central Government Public Procurement Policy for Micro and Small Enterprises.
- The scheme is applicable to Existing and Aspiring SC/ST Entrepreneurs.
- The Hub was launched by Prime Minister Narendra Modi in October 2016 and implemented by the National Small Industries Corporation (NSIC)
- The National SC-ST Hub has been set up to provide professional support to entrepreneurs from scheduled castes and scheduled tribes to fulfil the obligations under the Central Government Public Procurement Policy for Micro and Small Enterprises Order 2012, adopt applicable business practices and leverage the Stand-Up India initiative.

INDIA PAVILION AT 27TH SESSION OF CONFERENCE OF PARTIES OF UNFCCC (COP27)



KEY POINTS

- Union Minister of Environment, Forest and Climate Change, Shri Bhupender Yadav, inaugurated India Pavilion at the 27th Session of Conference of Parties of the UNFCCC (COP 27) Sharm El-Sheikh, Egypt.
- The Conference of Parties (COP27) is scheduled from 6-18 November, 2022.
- India's Pavilion has been designed with the theme of LiFE- Lifestyle for Environment.
- The Pavilion send out the message of LiFE through various audio-visuals, Logo and 3D models.
- The mantra of LiFE to the world was given in 2021 at COP 26 in Glasgow by India and this movement has since been widely supported by world leaders.
- India has spearheaded Mission LiFE as a global mass movement that harnesses the power of individual and collective action across the world to address the climate crisis.
- It aims to resurrect the delicate balance between man and nature by encouraging a shift from mindless and wasteful consumption to mindful and deliberate utilization to protect and preserve the environment.

LiFE movement objective:

- It aims to have a substantial impact on the health and wellbeing of the planet.
- LiFE movement is India's contribution to handling global climate crisis.
- The LiFE movement seeks to transform persons into 'pro-planet people', who would adopt sustainable lifestyles in the modern world.
- Mission LiFE is designed with the objective to mobilise at least one billion Indians and other global citizens to take individual and collective action for protecting and preserving the environment in the period 2022 to 2027.

- Within India, at least 80% of all villages and urban local bodies are aimed to become environment-friendly by 2028.

PM GATI SHAKTI MULTIMODAL WATERWAYS SUMMIT



KEY POINTS

- The Indian Waterways Authority of India (IWAI), under the Ministry of Ports, Shipping and Waterways, Government of India organized the 'PM Gati Shakti Multimodal Waterways Summit' on 11th - 12th November, 2022 at Varanasi, Uttar Pradesh.
- PM Gati Shakti National Masterplan focuses on infrastructure development in the waterways
- The PM Gati Shakti National Master Plan (NMP) is a transformative approach for improving logistics efficiency and reducing logistics cost to ensure first and last mile connectivity for seamless movement of people and goods.
- They had identified 101 projects estimated to cost around Rs. 62,627 crore under GatiShakti NMP which are aimed to be completed by 2024 while the target for the nine high-impact projects costing Rs. 1,913 crore is by the end of this fiscal year.
- The plan aims to integrate the implementation of all existing and proposed infrastructure development initiatives to support faster and efficient movement of people and goods.

LeadIT SUMMIT



KEY POINTS

- India and Sweden hosted the LeadIT Summit on the sidelines of COP27 at Sharm El Sheikh in Egypt.
- The Leadership for Industry Transition- LeadIT initiative focuses on low carbon transition of the hard to abate industrial sector.
- LeadIT members re-emphasized the commitment to pursuing the low-carbon transition.
- The Leadership Group for Industry Transition (LeadIT) gathers countries and companies that are committed to action to achieve the Paris Agreement.
- It was launched by the governments of Sweden and India at the UN Climate Action Summit in September 2019 and is supported by the World Economic Forum. LeadIT members subscribe to the notion that energy-intensive industry can and must progress on low-carbon pathways, aiming to achieve net-zero carbon emission.

GEOSMART INDIA 2022 SUMMIT



KEY POINTS

- Union Jal Shakti Minister Gajendra Singh Shekhawat inaugurated the GeoSmart India 2022 Summit in Hyderabad.

- About 2500 representatives from about 500 government, private, organisations working on geospatial technology and data have attended the three-day summit.
- “Initiatives have been taken to deploy the latest technologies in the agriculture domain, where field segmentation and crop classification are done to increase sustainability and resilience of agriculture landscape.

INDIA CHEM 2022



KEY POINTS

- Union Minister of Health & Family Welfare and Chemicals & Fertilizers Dr. Mansukh Mandaviya, inaugurated the India Chem 2022 on 2nd to 3rd November 2022 at Pragati Maidan, New Delhi.
- The theme “Vision 2030: Chemicals and Petrochemicals Build India”.
- The event showcase the Government’s policy for sustainable growth in the sector and provide a platform for national and international players to interact, exchange knowledge and forge alliances.

SCIENCE AND TECHNOLOGY

WORLD MOST POWERFUL ROCKET: FALCON HEAVY



KEY POINTS

- On November 1 SpaceX launched the Falcon Heavy rocket into a geosynchronous Earth orbit from the Launch Complex 39A at the Kennedy Space Center in Florida, U.S.
- This is the most powerful operational rocket in the world.
- This is the fourth launch of the giant rocket system, and the first one in nearly three years since its last launch in 2019.
- The Falcon Heavy is made up of three Falcon 9 rockets strapped together, with 27 engines powering the first stage and one engine in the second stage.
- Falcon Heavy was designed to be able to carry humans into space beyond low Earth orbit although as of February 2018 SpaceX does not intend to transport people on Falcon Heavy nor pursue the human-rating certification process to transport NASA astronauts.
- Both Falcon Heavy and Falcon 9 are expected to eventually be superseded by the in-development Starship launch system.

ISRO LAUNCHED OCEANSAT-3 AND 8 NANO SATELLITES



KEY POINTS

- The Indian Space Research Organization (ISRO) recently launched eight nano satellites with Oceansat-3, the 3rd generation satellite of Shan Sat series, after creating history by launching the private sector mission.
- This mission was launched from Sriharikota on November 26.
- The primary payload of the mission is Oceansat-3, the third generation satellite of the Oceansat series.
- The Oceansat series of satellites are Earth observation satellites dedicated to oceanographic and atmospheric studies.
- Apart from this, this satellite is capable of forecasting marine weather, so that the country is prepared in advance for any cyclone.
- Oceansat 3, the third generation satellite of this series. Ocean color monitors were present in the satellites of this series.
- This mission also has payloads like Ocean Color Monitor OCM3, Sea Surface Temperature Monitor (SSTM), ku-band spectrometer (SCAT-3) and ARGOS.

AUSTRALIA-INDIA CENTER FOR ENERGY' (AICE)



KEY POINTS

- The Indian Institute of Technology IIT Madras is partnering with Australian Universities to launch Australia- India Centre for Energy to work on UN Sustainable Development Goals (SDGS)
- It aims to promote collaboration among universities, research institutes and industries from both the countries in the energy domain.
- IIT Madras and Deakin University in Australia are taking lead role in coordination.
- The Centre will bring together multidisciplinary capabilities from Australian partners to work on translational and build capabilities for the global energy challenge.
- "It will also be a catalyst to develop partnerships with other centres in South Asia and ASEAN regions to develop innovative and sustainable solutions for the Global challenges

INS TRIKAND HAS PARTICIPATED IN SEA SWORD 2



KEY POINTS

- INS Trikand has participated in the Combined Maritime Forces led Operation “Sea Sword 2” in the Northwest Arabian Sea.

- The operation Sea Sword 2 was held from 6-14 November 2022
- The operation was held to prevent narcotics trade & stop smuggling entities from using the seas for their nefarious activities.
- The Indian Navy's long-range maritime patrol aircraft also participated in the operation and provided air support.

INDIA'S FROM INDONESIA'S TANGGUH LNG



KEY POINTS

- India received its first cargo from Indonesia's Tangguh liquefied natural gas (LNG) plant at the Dahej terminal.
- The LNG cargo is being transported by the BW Helios tanker.
- The vessel which had been acting as a floating storage since it lifted the cargo in mid-September is currently on a term charter to British oil major BP and is due to arrive at state-owned Petronet's Dahej terminal on November 28.

HIMALAYAN YAK HAS BEEN ACCEPTED AS A FOOD ANIMAL



KEY POINTS

- The Food Safety and Standard Authority of India (FSSAI) have approved the Himalayan Yak as a 'food animal'.
- Food Animals are those that are raised and used for food production or consumption by humans.
- The animal play multi-dimensional socio-cultural-economic role for the pastoral nomads who rear yaks mainly for earning their nutritional and livelihood security due to virtual inexistence of other agricultural activity in the high reaches of Himalayan region.
- FSSAI's recognition of Yak as food producing animal will help farmers benefit economically for rearing the animal and it will open up several vistas of economic benefits for both farmers and food processors
- Yak milk is highly nutritious, rich in fat, contain essential minerals and have medicinal value.
- Yak farmers produce various traditional meat products. These products are confined to local community level, produced and sold locally

HYDROGEN POWERED AIRCRAFT ENGINE



KEY POINTS

- Airline EasyJet and aircraft engine maker Rolls-Royce had successfully tested a hydrogen-powered aircraft engine.
- It is known as world first for aviation that marks a major step towards proving the gas could be key to decarbonising air travel.
- Hydrogen is one of a number of competing technologies that could help the aviation industry achieve its goal of becoming net zero by 2050.
- Planemaker Airbus is working with French-U.S. engine maker CFM International to test hydrogen propulsion technology.

INDIA'S SARAS TELESCOPE



KEY POINTS

- India's SARAS telescope gives clues to first stars, galaxies of universe.
- India's SARAS radio telescope has helped scientists determine the properties of the earliest radio luminous galaxies formed 200 million years after the Big Bang, a period known as the Cosmic Dawn.
- The Shaped Antenna Measurement of the background Radio Spectrum 3(SARAS) Telescope -

indigenously designed and built at RRI -- was deployed over Dandiganahalli Lake and Sharavati backwaters in northern Karnataka in early 2020.

- Scientists observed radiation from hydrogen atoms in and around the galaxies, emitted at a frequency of approximately 1420 MHz.

VIKRAM-S ROCKET BY ISRO



KEY POINTS

- ISRO Launched Vikram-S Rocket today at Sriharikota. Vikram S Rocket is India's first privately developed rocket from the Indian Space Research Organization (ISRO)
- Developed by four-year-old Hyderabad-based startup Skyroot Aerospace, the launch of Vikram-S, named as a tribute to the father of India's space programme Vikram Sarabhai, is the first launch after the space segment was thrown open to private players in 2020.
- The 6-metre tall Vikram-S will soar to an altitude of around 81 km after its launch from Satish Dhawan Space Centre, carrying two domestic payloads and one from a foreign customer.

REPORTS

PERFORMANCE GRADING INDEX (PGI)



KEY POINTS

- The PGI help States and UTs to pinpoint the gaps and accordingly prioritize areas for intervention to ensure that the school education system.
- "A total of 7 States and UTs, Viz., Kerala, Punjab, Chandigarh, Maharashtra, Gujarat, Rajasthan, and Andhra Pradesh have attained Level II (score 901-950) in 2020-21 as compared to none in 2017-18 and 4 in 2019-20.
- Gujarat, Rajasthan and Andhra Pradesh are the new entrants to the highest achieved level of any state so far.
- The newly formed UT viz., Ladakh has made significant improvement in PGI from Level 8 to Level 4 in 2020-21 or improved its score by 299 points in 2020-21 as compared to 2019-20 resulting into the highest ever improvement in a single year.

GLOBAL EMPLOYABILITY UNIVERSITY RANKING



Top 10 universities for employability 2022



2022 Rank	University	Country	2021 Rank
1.	Massachusetts Institute of Technology	US	1
2.	California Institute of Technology	US	2
3.	Harvard University	US	3
4.	University of Cambridge	UK	4
5.	Stanford University	US	5
6.	University of Oxford	UK	8
7.	The University of Tokyo	Japan	6
8.	National University of Singapore	Singapore	9
9.	Princeton University	US	10
10.	Yale University	US	7

KEY POINTS

- Total of seven Indian institute have found place in this year GEU Ranking 2022
- A total of seven Indian institutes have featured in this year's Global Employability University Ranking and Survey (GEURS).
- Three Indian institutions were included in the top 100 — IIT-Delhi has secured the 29th position in the ranking, followed by IISc Bangalore at 58th rank, and IIT Bombay at 72nd rank.
- This year, IISc has improved its ranking by three positions, IIT-Bombay has increased its position from 97 to 72.
- Apart from these, the Indian Institute of Management, IIT-Kharagpur, Amity University and Bangalore University have also secured spots in the top 250 Global Employability University Ranking.
- IIM-Ahmedabad (154) and IIT-Kharagpur (155), the other two Indian institutions in top 175 too improved their rankings by eight and 15 places respectively.

- Globally, the Massachusetts Institute of Technology (MIT) earned the top rank in this year's ranking — same as last year.
- MIT was followed by California Institute of Technology and Harvard University at the second and third rank.
- The top three ranks have been held by these three institutes in the same order for the second time in a row.
- University of Cambridge and the Stanford University have also retained their position of fourth and fifth respectively.
- This year, the University of Oxford has risen from eighth to sixth. The University of Tokyo from Japan, however, has slipped from sixth to seventh this year.
- National University of Singapore has risen from ninth to eight and the Princeton University has also jumped from tenth to ninth
- However, the Yale University has seen a massive decline from its seventh rank in 2021 to 10th rank this year.
- This year, there are a total of six universities are from the US, two from the UK, one from Japan and one from Singapore.
- However, 44 countries and regions are represented in the ranking including China, France, India, Spain, South Korea, Germany and Israel.
- Additionally, universities in mainland China are seeing a steady rise throughout the ranking due to strengths in graduate skills and work experience.
- Spain is the highest climber of the last two years in the Europe continent.
- However, Florida Institute of Technology is the highest climber this year, climbing 85 places to 76.

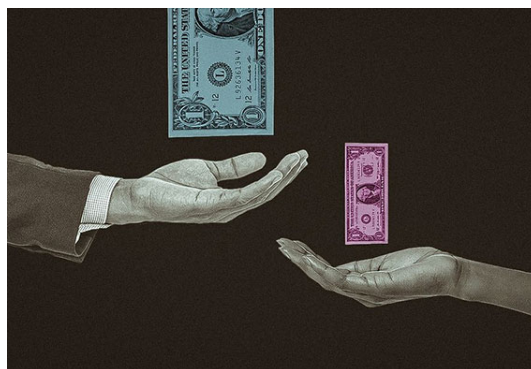
WORLD's MOST POPULAR LEADER's



KEY POINTS

- Prime Minister Narendra Modi remains the world's most popular leader with an approval rating of 77 percent.
- This was revealed in a Global Leader Approval Ratings released by a US based consulting firm Morning Consult.
- Mexico President Andrés Manuel López Obrador stands at second position followed by Australian Prime Minister Anthony Albanese.
- In the approval rating, US President Joe Biden is placed at 9th position followed by UK Prime Minister Rishi Sunak among the 22 world leaders.

2022 WTW GENDER WEALTH GAP REPORT IN APAC



KEY POINTS

- Asia Pacific has one of the lower global wealth gaps on average for gender wealth equity.
- In APAC region women are expected to accumulate 76% of Men's Wealth levels, it is two points above the global average.

- In APAC the gender wealth gap is the largest in India at 64%
- Opportunities for women in leadership positions are also limited with only 3% of women in the workforce occupying senior positions.
- The primary drivers contributing to gender-based wealth disparity include gender pay gaps and delayed career trajectories

3 CITIES ARE IN TOP DATA CENTRE MARKETS IN THE ASIA-PACIFIC REGION



KEY POINTS

- As per Knight Frank Report Hyderabad, Chennai and New Delhi have emerged as three of the top data centre markets in the Asia- Pacific Region.
- As a result cities like Hyderabad, New Delhi and Chennai are registering significant data centre market growth, with circa 300MW to 400MW of IT capacity either live, committed or under construction in each location.

CLIMATE CHANGE PERFORMANCE INDEX 2023

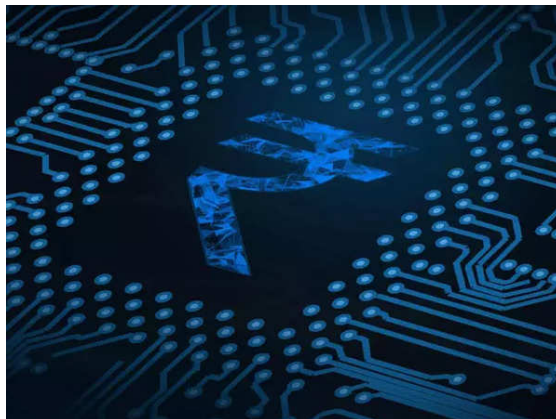


KEY POINTS

- Recently the climate change performance index was released India ranked 8th published by German Watch, New Climate Institute and Climate Action Network International based in Germany.
- India has been ranked amongst top 5 countries in the world, and the best among the G20 countries, based on its Climate Change performance.
- The CCPI aims to enhance transparency in international climate politics and enables comparison of climate protection efforts and progress made by individual countries.
- The Climate Change Performance Index (CCPI) is an independent monitoring tool for tracking the climate protection performance of 59 countries and the EU

ECONOMIC SCENARIO

DIGITAL RUPEE PILOT PROJECT



KEY POINTS

- From 1st November 2022 RBI started its digital Rupee Pilot Project for wholesale Transactions
- The purpose behind the issue of this Concept Note is to create awareness about CBDCs in general and the planned features of the Digital Rupee (e₹), in particular.
- Use of e₹-W is expected to make the inter-bank market more efficient.
- Settlement in central bank money would reduce transaction costs by pre-empting the need for settlement guarantee infrastructure or for collateral to mitigate settlement risk.
- Nine banks namely State Bank of India, Bank of Baroda, Union Bank of India, HDFC Bank, ICICI Bank, Kotak Mahindra Bank, Yes Bank, IDFC First Bank and HSBC have been identified for participation in the pilot.
- The first pilot in Digital Rupee — Retail segment (e₹-R) is planned for roll out within a month in select locations in closed user groups comprising customers and merchants.
- The details regarding operationalisation of e₹-R pilot will be communicated in due course.
- The RBI released a Concept Note on Central Bank Digital Currency (CBDC) for India.

AUSTRALIAN PARLIAMENT APPROVES FREE TRADE AGREEMENT WITH INDIA



KEY POINTS

- On 22 November 2022 Australian PM Anthony Albanese has announced that the country free trade agreement with India has been passed by the Australian Parliament.
- Australian Parliament has passed the country's Free trade Agreement (FTA) with India.
- The deals are crucial for Australia to diversify its exports from the troubled Chinese market to India and to forge new bilateral trade relations.
- India presents unparalleled growth opportunities for Australian business across a range of sectors, from food and agriculture, technology and green energy, to health and education services.

PERSONS IN NEWS

NEW UPSC MEMBER APPOINTED



KEY POINTS

- Former Health Secretary Preeti Sudan has been appointed as a member of Union Public Service Commission (UPSC).
- Preeti Sudan is a 1983 batch (retired) IAS officer of the Andhra Pradesh cadre.
- She superannuated as the health secretary in July 2020 and had also served in ministries of women and child development and defence.
- In AP, Preeti Sudan handled finance and planning, disaster management, tourism and agriculture.

FIRST WOMAN SKYDIVER OF THE INDIAN ARMY



KEY POINTS

- Launce Naik Manju becomes the first woman skydiver of the Indian army.
- She jumped from a height of 10,000 ft from the Advanced Light Helicopter (ALH) Dhruv.
- She was trained by the skydiving training team of the Indian Army's Adventure Wing for the jump.

Air adventure activities include sky diving, paragliding, paramotor flying, micro-flight flying, hot air balloon etc.

- Manju jumped off from Advanced Light Helicopter (ALH) Dhruv chopper and belonged to the Eastern Command of the corps of Military Police on 17th November 2022.

VICE PRESIDENT OF INTERNATIONAL ELECTROTECHNICAL COMMISSION



KEY POINTS

- Vimal Mahendru will be the vice president of IEC International Electrotechnical Commission (IEC)
- International Electrotechnical Commission (IEC) is an international standard setting body that publishes international standards for all electrical, electronics and technologies.
- The Ministry of Consumer Affairs, Food and Public Distribution said that India's representative was elected by securing over 90 per cent of the votes cast by full members of IEC during its General Meeting held recently in San Francisco, USA

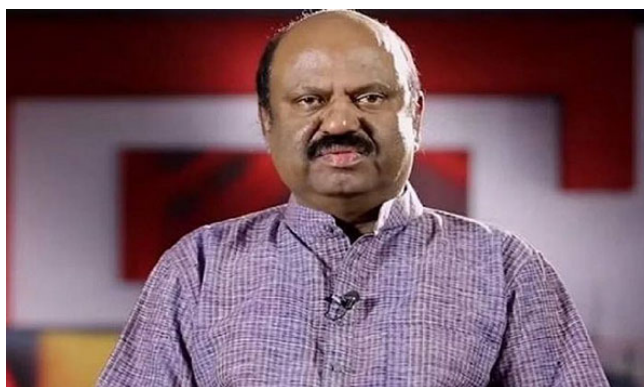
CHAIRMAN OF AICTE



KEY POINTS

- IIT Guwahati Director T G Sitharam has been appointed chairman of the All India Council for Technical Education (AICTE).
- He will serve as the Council head for three years or before he turns 65 years old, whichever is earlier.

GOVERNOR OF WEST BENGAL



KEY POINTS

- President Droupadi Murmu has appointed Dr CV Ananda Bose as the Governor of West Bengal. Bose (71) is a 1977 batch (retired) Indian Administrative Service (IAS) officer of Kerala cadre on 17th November 2022.
- He has also served as the Secretary of the Government of India and Chief Secretary to State governments as well as University Vice-Chancellor.

TB MukT Bharat Campaign



KEY POINTS

- Deepa Malik becomes Ni-Kshay Mitra, national ambassador for TB MukT Bharat Campaign
- India's first woman paralympic medalist Deepa Malik has pledged her support to a campaign to eradicate tuberculosis by becoming the national ambassador of its 'Ni-Kshay Mitra' initiative.
- The 'Ni-Kshay Mitra' initiative was launched by President Droupadi Murmu which strives to provide aid to tuberculosis-afflicted patients on three levels nutritional, additional diagnostic, and vocational support.

FOREIGN SECRETARY TILL 2024



KEY POINTS

- Vinaya Mohan Kwatra is Foreign Secretary till 2024.
- Order issued on 28th November 2022 by government of india
- Tenure of the IFS Officer has been extended beyond the date of his superannuation on December 31, 2022 till April 30, 2024.
- Mr. Kwatra (IFS 1988 batch) had succeeded Foreign Secretary Harsh Vardhan Shringla, who is now serving as the Chief Coordinator of the upcoming G-20 summit that will be held here in 2023.

FULL TIME MEMBER OF NITI AAYOG**KEY POINTS**

- The government has appointed senior economist and India's former chief economic advisor Arvind Virmani as a full-time member of NITI Aayog.
- The NITI Aayog is the government's premier think-tank, is headed by the Prime Minister and presently has three members, V K Saraswat, Ramesh Chand and VK Paul.
- Arvind Virmani served as the 13th Chief Economic Adviser in the Finance Ministry from 2007 to 2009
- Virmani, who is a PhD in Economics from Harvard University, USA, has also served as Principal Advisor, Planning Commission.
- He has written several books, including The Sudoku of India's Growth; From Uni-polar To Tri polar World: Multi-polar Transition Paradox ; Propelling India From Socialist Stagnation To Global Power ; and Accelerating Growth and Poverty Reduction – A Policy Framework for India's Development.

IMPORTANT DAYS

WORLD VEGAN DAY



KEY POINTS

- World Vegan Day is celebrated every year on November 1 to encourage people to follow the vegan lifestyle and spread awareness about veganism.
- The theme for this year is based on the campaign 'Future Normal'.
- Every year, World Vegan Day is celebrated on November 1. In 1994, the then Chair of The Vegan Society in the United Kingdom Louise Wallis announced World Vegan Day to be celebrated every year.

INDIA WATER WEEK



KEY POINTS

- On 1st November 2022 President of India Droupadi Murmu has inaugurated water week 2022 in Greater Noida.
- Theme: water Security for Sustainable Development and Equity
- The 7th India Water Week will be celebrated from 1-5 November 2022
- Due to the increasing population, the condition of our rivers and reservoirs is deteriorating, village ponds are drying up and many local rivers have become extinct.
- Water is being over-exploited in agriculture and industries.
- The environmental balance on the earth is getting disturbed, weather patterns are changing and unseasonal excessive rainfall has become common.
- Denmark, Finland, Germany, Israel and the European Union were participated in the 7th India Water Week.

INTERNATIONAL DAY TO END IMPUNITY FOR CRIMES AGAINST JOURNALISTS



KEY POINTS

- International Day to End Impunity for Crimes against Journalists is celebrated every year on 2nd November.
- The theme for 2022 International Day to End Impunity for Crimes against Journalists is : Protecting Media to Protect Democracy.
- This year's slogan is Knowing the Truth is Protecting the Truth.
- The day came into existence when the United Nations General Assembly (UNGA) passed a resolution in December 2013.
- The date was chosen in commemoration of the assassination of two French journalists in Mali on 2 November 2013.

WORLD TSUNAMI AWARENESS DAY



KEY POINTS

- World Tsunami Awareness Day is observed every year on November 5.
- World Tsunami Awareness day 2022 theme is Early Warning and Early Action before every Tsunami.
- UN General Assembly designated November 5 as World Tsunami Awareness Day in December 2015.

- Tsunamis are rare events but can be extremely deadly. In the past 100 years, 58 of them have claimed more than 260,000 lives, or an average of 4,600 per disaster, surpassing any other natural hazard.

INFANT PROTECTION DAY



KEY POINTS

- The Infant Protection Day is observed annually on November 7.
- This day is celebrated to spread awareness about the measures to be taken to save the lives of infants and provide sufficient protection and care.
- Theme for this year's Infant Protection Day is "Protecting, promoting, and developing infants"
- Infant mortality is much higher in India than in other nations because of the poor healthcare system and facilities.
- In 2019, 2.4 million children died in the first month of their lives, a figure that thankfully declined since 1990, with 5 million deaths worldwide.

BHARATIYA BHASHA DIVAS



KEY POINTS

- Institute of Higher Education celebrated 11th December as Bharatiya Bhasha Divas.
- The Bhasha committee proposed the date December 11 as ‘Bharatiya Bhasha Diwas’ or ‘Bharatiya Bhasha Utsav’ as it marks the birth anniversary of poet Subramania Bharati, a pioneer of modern Tamil poetry.
- Subramania Bharati wrote songs to stimulate patriotism during the Independence movement.

INTERNATIONAL WEEK OF SCIENCE AND PEACE



KEY POINTS

- November 9 to November 14 is observed as the International Week of Science and Peace every year around the globe.
- The International Week of Science and Peace was first observed during 1986 as part of the observance of the International Year of Peace
- The main goal behind this week’s celebration is to contribute towards technology development and promote peace. It’s to raise awareness among the general public. The events held during this week promote peace throughout the year.

WORLD SCIENCE DAY FOR PEACE AND DEVELOPMENT



KEY POINTS

- World Science Day for Peace and Development was proclaimed by the UN Educational, Scientific and UNESCO in 2001
- The main theme for 'World Science Day for Peace and Development' for the year 2022, 'Basic Sciences for Sustainable Development'
- World Science Day for Peace and Development is an international day that highlights the important role that science has in society

WORLD USABILITY DAY



KEY POINTS

- Every year on the second Thursday of November, the world observes World Usability Day.
- World Usability Day, which will fall on November 10 this year, is also known as 'Make Things Easier' day.
- This year's 2022 theme, 'Our Health,' will look into virtual healthcare, electronic health records, and other digital health-related technologies.
- World Science Day for Peace and Development was proclaimed by the UN Educational, Scientific and UNESCO in 2001

WORLD KINDNESS DAY



KEY POINTS

- World Kindness Day is celebrated on November 13 every year.
- For this year 2022 the theme for World Kindness day is Be Kind whenever possible
- The day inspires people to appreciate the kindness and positive power in society.
- World Kindness Day, a global day to promote the importance of being kind to each other, yourself and to the world is celebrated worldwide on November 13

WORLD DIABETES DAY



KEY POINTS

- World Diabetes day is observed every year on 14th November since 1991.
- In 2007 General Assembly adopted resolution 61/225 designating 14 November as World Diabetes Day.
- Diabetes is a chronic disease, which occurs when the pancreas does not produce enough insulin, or when the body cannot effectively use the insulin it produces.
- This leads to an increased concentration of glucose in the blood (hyperglycaemia).

NATIONAL NEWBORN WEEK



KEY POINTS

- National Newborn Week is celebrated every year from 15 to 21 November.
- The theme of the event is Safety, Quality and Nurturing Care Every Newborn's Birth Right.
- The main purpose of celebrating this week is to raise awareness about the care of newborn babies

INTERNATIONAL DAY FOR THE ELIMINATION OF VIOLENCE AGAINST WOMEN



KEY POINTS

- The International Day for the Elimination of Violence against Women is observed on November 25
- This 2022 theme is UNITE! Activism to End Violence against Women & Girls.
- The International Day for the Elimination of Violence Against Women marks the launch of the UNITE campaign Nov 25- Dec 10: an initiative of 16 days of activism concluding on the day that commemorates the International Human Rights Day 10 December.
- This campaign, led by the UN Secretary-General and UN Women since 2008, aims to prevent and eliminate violence against women and girls around the world, calling for global action to increase awareness, promote advocacy and create opportunities for discussion on challenges and solutions.

- This years' campaign UNITE! Activism to End Violence against Women & Girls will aim to mobilize all society to become activists for the prevention of violence against women, to stand in solidarity with women's rights activists and to support feminist movements around the world to resist the rollback on women's rights and calling for a world free from VAWG.

RED PLANET DAY



KEY POINTS

- November 28 is Red Planet Day, a day to celebrate and learn more about the Red Planet - Mars. The planet is called so because it appears red in color.
- Red Planet Day is celebrated on November 28 as it commemorates the launch of the Spacecraft Mariner 4 by NASA in 1964, which was the first craft to ever reach Mars.
- It took almost eight full months for the craft to reach the red planet, finally performing a fly-by on July 14, 1965.

INTERNATIONAL JAGUAR DAY



KEY POINTS

- International Jaguar Day, which is celebrated every year on November 29.
- International Jaguar Day was created to raise awareness about the increasing threats facing the jaguar and the critical conservation efforts ensuring its survival.
- International Jaguar Day celebrates the Americas' largest wild cat as an umbrella species for biodiversity conservation and an icon for sustainable development and the centuries-old cultural heritage of Central and South America.
- This is the third largest Cat Predator of the World and an important species of Amazon Rainforest

DAY OF REMEMBRANCE FOR ALL VICTIMS OF CHEMICAL WARFARE



KEY POINTS

- Day of Remembrance for all Victims of Chemical Warfare would be observed on 30 November each year
- The Conference of the States Parties to the Chemical Weapons Convention, at its 20th Session, decided that a memorial Day of Remembrance for all Victims of Chemical Warfare would be observed on 30 November each year

- The Day of Remembrance for All Victims of Chemical Warfare is a "tribute to the victims of chemical warfare as well as to reaffirm the commitment of the Organisation for the Prohibition of Chemical Weapons (OPCW) to the elimination of the threat of chemical weapons, thereby promoting the goals of peace, security, and multilateralism.