

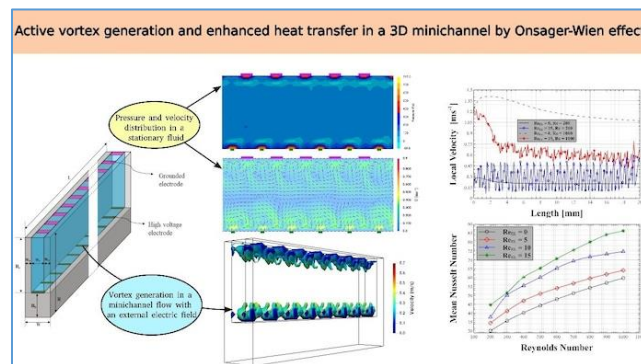
August - 29

## TNPSC BITS

- ❖ The Tamil Nadu government has framed the terms of reference for the Justice K. Chandru Committee constituted to recommend measures for preventing violent incidents due to differences based on caste or creed among school and college students.
- ❖ NMDC's Nagarnar steel plant (NSP) in Chhattisgarh has achieved the feat of producing its final product - HR (hot rolled) Coil in just nine days.
- ❖ India's first inaugural artificial intelligence school has been opened in Thiruvananthapuram, Kerala.
- ❖ The Wrestling Federation of India (WFI) has been suspended by the sport's world governing body for not holding elections after its chief was charged with sexual misconduct.
- ❖ DRDO successfully tested the ASTRA indigenous Beyond Visual Range (BVR) air-to-air missile.
- ❖ Mizoram become the first state in India to operationalize Ayushman Bharat Digital Mission's (ABDM) microsite project.
- ❖ Finland, Europe's leading producer of fox fur, has begun slaughtering 120,000 foxes and mink to stem an outbreak of avian flu that has hit fur farms.
- ❖ John Warnock, who helped invent the PDF and co-founded Adobe Systems, has passed away recently.

## TAMIL NADU

### Cooling solution for electronics applications



- ❖ The Madras IIT and Khalifa University of the United Arab Emirates (UAE) have developed an innovative cooling solution for electronics applications.

- ❖ They developed an electro-hydrodynamics-based method for effective cooling of electronic devices.
- ❖ The process uses the 'Onsager-Wien Effect' to induce vortices in the mini-channels, which leads to better heat transfer.
- ❖ This method uses minimal external power and is operationally safe.

### **First honey bee park**

- ❖ Jawadhu Hills in Tiruvannamalai is getting ready to have Tamil Nadu's first honey bee park in Athipattu.
- ❖ The tribal hamlet is located amidst deciduous forests on the ridges of the hills.
- ❖ The park aims to bring back tribals in the hills to their native work— honey collectors.
- ❖ For non-tribals, the park will exhibit the key role played by honey bees in protecting nature.
- ❖ At present, only around 300 tribals are honey collectors in the hills, which have 272 hamlets in their 38 revenue villages and a population of over 30,000 residents.



### **Puthirai Vannar Welfare Board**

- ❖ Tamil Nadu government has recently reconstituted Puthirai Vannar Welfare Board.
- ❖ It consists of 13 ex-officio members and 13 non-official members.

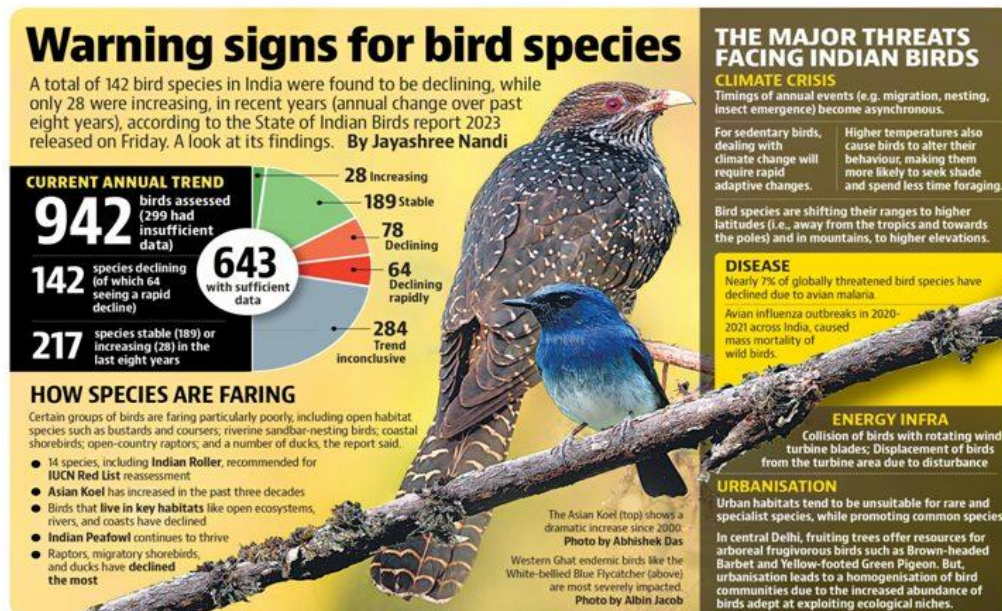
- ❖ It also includes three legislators – S. Stalinkumar (Thuraiyur), K. Sivagama Sundari (Krishnarayapuram) and M. Panneerselvam (Sirkazhi).

### Private projects in Tamil Nadu 2022 – 23

- ❖ The number of private sector projects in Tamil Nadu financed by banks and financial institutions increased to 44 in 2022-23 from 40 in 2021-22.
- ❖ However, the State's share in overall project cost of ₹2,66,547 crore dipped to 4.8% in 2022-23.
- ❖ This has a share of 8.8% in the total project cost of ₹1,41,976 crore in 2021-22.
- ❖ Overall, about 547 private projects got assistance from banks and financial institutions during 2022-23 with a record high total project cost.
- ❖ In 2022-23, the top five states are Uttar Pradesh, Gujarat, Odisha, Maharashtra and Karnataka.
- ❖ In 2022-23, Uttar Pradesh accounted for the highest share 16.2% in the total cost of projects.

## NATIONAL

### State of India's Birds report



- ❖ India is home to more than 1,350 bird species.
- ❖ 338 bird species studied in India for changes in numbers over the last 30 years, 60 per cent have experienced a decline.

- ❖ Out of the 942 bird species assessed, 204 species, i.e., almost one-fourth, have declined in the last 30 years.
- ❖ Also, 40 per cent (142) of the 359 species evaluated for change over the last seven years have declined.

## INTERNATIONAL

### Global Biodiversity Framework Fund (GBFF)

- ❖ The Global Biodiversity Framework Fund (GBFF) has been ratified and launched during the 7th Assembly of the Global Environment Facility (GEF) in Vancouver, Canada.
- ❖ This framework is designed to help halt and reverse biodiversity loss and put nature on a path to recovery by 2030.
- ❖ It channels financial resources to achieve goals of the Kunming-Montreal Global Biodiversity Framework established by the Convention on Biological Diversity (CBD), by the year 2030.

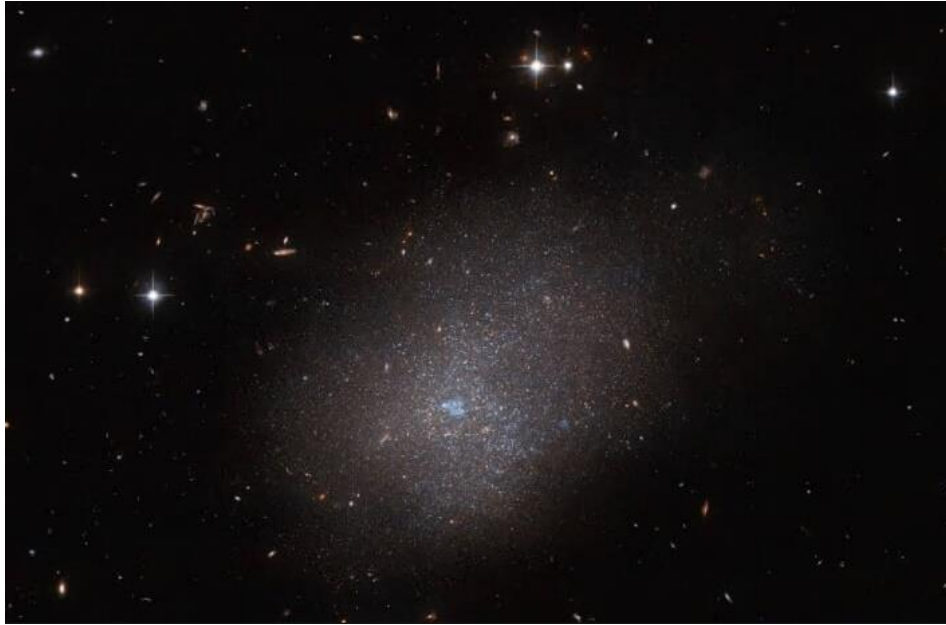


## SCIENCE AND TECHNOLOGY

### ESO 300-16

- ❖ The Hubble Space Telescope has captured an image of the irregular galaxy ESO 300-16.
- ❖ It is located at a distance of 28.7 million lightyears in the southern constellation of Eridanus.

- ❖ Irregular galaxies do not have a clearly defined shape, and appear as diffuse clouds.
- ❖ ESO 300-16 is a relatively small and remote dwarf galaxy.



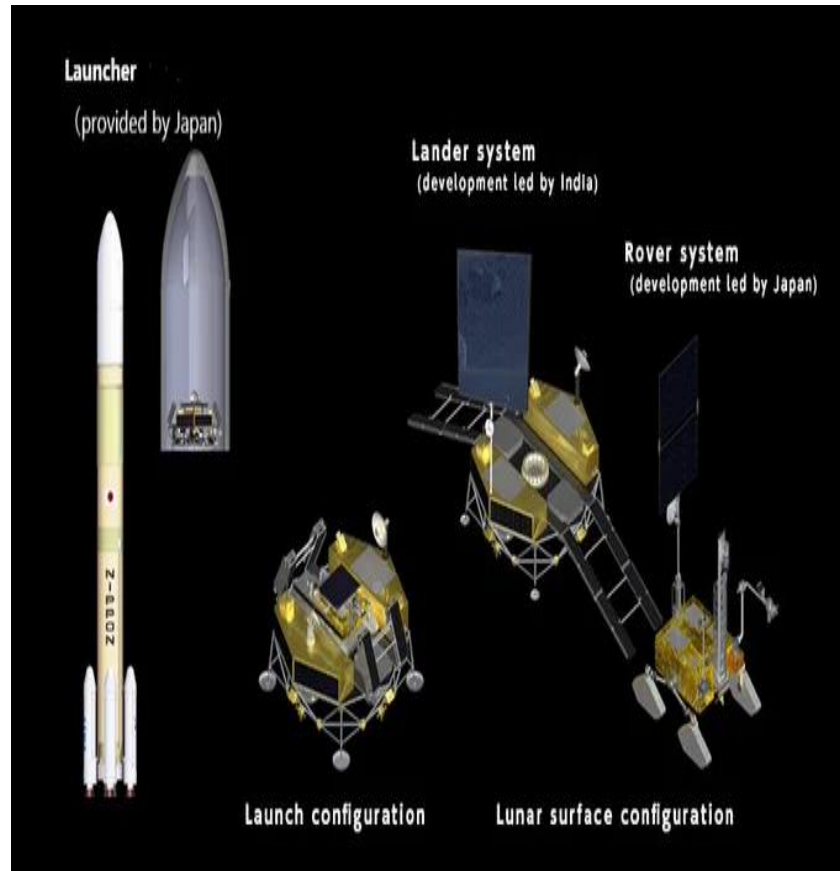
### **Soil in the lunar surface**



- ❖ The Chandrayaan-3 mission aims at soft-landing of the spacecraft on the unexplored southern pole of the Moon.
- ❖ The soil samples at Siddampoondi village in Namakkal district are said to be very similar to the soil in the lunar surface, especially in the South Pole.

- ❖ This district had sent soil samples to the ISRO in conducting the tests for both Chandrayaan-2 and Chandrayaan-3 missions.

### **LUPEX Mission**



- ❖ ISRO and Japan's JAXA are partnering for the Lunar Polar Exploration Mission (LUPEX).
- ❖ It aims to explore the lunar polar region for potential sustainable activities and water-ice resources.
- ❖ The mission will involve a rover developed by JAXA and a lander developed by ISRO, along with instruments from NASA and ESA.

## **PERSONALITIES, AWARDS, AND EVENTS**

### **Swachh Vayu Sarvekshan - 2023**

- ❖ Indore has secured first position in Swachh Vayu Sarvekshan-2023, conducted by the Central Pollution Control Board.

❖ It is followed by Agra, Thane, Srinagar and Bhopal.

Rank	Population Category	City
1st	> 10 lakhs	Indore
2nd	> 10 lakhs	Agra
3rd	> 10 lakhs	Thane
4th	> 10 lakhs	Srinagar
5th	> 10 lakhs	Bhopal

### India Smart Cities Award Contest – 2022



**ISAC : INDIA SMART CITIES AWARD CONTEST 2022**

**PROJECT AWARD**  
**BUILT ENVIRONMENT**

 <p><b>Coimbatore</b> Model Roads Restoration</p> <p><b>1</b></p>	 <p><b>Indore</b> Riverfront Development</p> <p><b>2</b></p>	 <p><b>New Town Kolkata</b> Landscape of open Neem Banani Park</p> <p><b>3</b></p>	 <p><b>Kanpur</b> Development of Palika Sports Stadium</p> <p><b>3</b></p>
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- ❖ Indore has been adjudged the best Smart City while Madhya Pradesh has been chosen as the top State for exemplary performance in the Smart Cities Mission.
- ❖ Surat and Agra are the second and third-place winners among cities.

- ❖ Tamil Nadu is the second in the State category followed by Rajasthan and Uttar Pradesh in the India Smart Cities Award Contest (ISAC), 2022.
- ❖ The award for the best Union Territory has gone to Chandigarh.

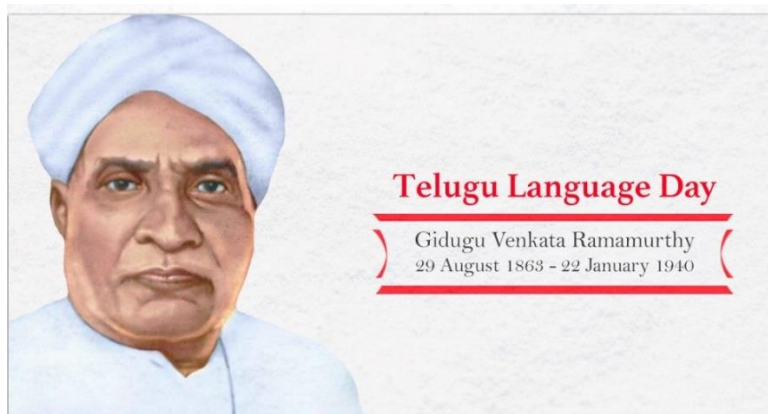
## IMPORTANT DAYS

### National Sports Day 2023 - August 29

- ❖ This day commemorates the birth anniversary of Major Dhyan Chand - the legendary hockey champion.
- ❖ During his entire career from 1926 to 1948, Dhyan Chand has represented India in 185 matches, and scored more than 400 goals.
- ❖ India celebrated its first ever National Sports Day on 29 August 2012.



### Telugu Language Day 2023 - August 29



- ❖ This day coincide with the birthday of Telugu poet, writer and social visionary Gidugu Venkata Ramamurthy.



- ❖ The Telugu language is the largest member of the Dravidian language family.
- ❖ In the early 21st century Telugu had more than 75 million speakers.
- ❖ The language is known as the “The Italian of the EAST”.

### **International Day against Nuclear Tests 2023 - August 29**



- ❖ It seeks to commemorate closure of Semipalatinsk Nuclear Test site on 29 August 1991.
- ❖ It was observed for first time in 2010.
- ❖ Since then observed annually to galvanize necessity of banning nuclear weapon tests.
- ❖ It aims to raise awareness about the effects of nuclear weapon test explosions or any other nuclear explosions.

