



03 October 2024

National and International News

<p><b>Jal Hi AMRIT Programme</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>The <b>Union Minister for Housing and Urban Affairs</b> announced that the government has launched the <b>Jal Hi AMRIT scheme</b> within its first 100 days in office.</li> </ul> <p><b>About Jal Hi AMRIT Programme:</b></p> <ul style="list-style-type: none"> <li><b>Launched under:</b> AMRUT 2.0 scheme</li> <li><b>Purpose:</b> Incentivize <b>efficient management of used water treatment plants (UWTPs/STPs)</b>.</li> <li><b>Goal:</b> <b>Ensure recyclable, good quality treated water</b> meeting environmental standards.</li> <li><b>Approach:</b> Build competition among cities, develop capacities, and reward best practices.</li> <li><b>Focus:</b> Capacity building and improving treated discharge effluent quality.</li> <li><b>Assessment:</b> Mid-course assessment, water quality testing, and final assessment.</li> <li><b>Award:</b> <b>Clean Water Credits</b> in terms of a <b>Star-rating (3-5 stars) certificate</b> valid for six months.</li> </ul>
<p><b>BharatGen initiative</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>The <b>BharatGen initiative</b> was launched by the <b>Union Ministry of Science &amp; Technology</b>.</li> </ul> <p><b>About BharatGen initiative:</b></p> <ul style="list-style-type: none"> <li><b>Goal:</b> To create <b>generative AI systems for high-quality text and multimodal content</b> in Indian languages.</li> <li><b>Implementation:</b> By <b>IIT Bombay</b> under <b>National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS)</b>.</li> <li><b>Key Features:</b> <ul style="list-style-type: none"> <li>Multilingual and multimodal foundation models.</li> <li>Training on Bhartiya datasets.</li> <li>Open-source platform for generative AI research.</li> </ul> </li> <li><b>Timeline:</b> Expected completion in two years.</li> <li><b>Benefits:</b> To serve government, private, educational, and research institutions.</li> </ul>



## Daily Current Affairs Encyclopedia

### Anna DARPAN Project

#### Why in the news?

- The **Food Corporation of India (FCI)** has selected **Coforge Limited** as the **System Integrator (SI)** for its **digital transformation project, Anna DARPAN.**

#### About Anna DARPAN Project:

- **Project Goals:**
  - **Improve efficiency and productivity** in FCI's supply chain.
  - Enable **data-driven decision-making.**
  - Ensure **accessibility** through a **mobile-first approach.**
- **Coforge's Role:**
  - **End-to-end design, development, implementation, and maintenance.**
  - **Leverage the latest technology** and cloud-based platform.
  - **Gain deep understanding of FCI's operations** during requirement gathering.
- **Key Features:**
  - **Interactive UI** for ease of use.
  - **Data analytics** for **informed decision-making.**
  - **Mobile accessibility** for anytime, anywhere access.
  - **Cloud-based platform** for **scalability and flexibility.**

### National Mission for Edible Oils - Oil Palm

#### Why in the news?

- The **National Level Multi-Stakeholder Consultative Workshop on Sustainable Oil Palm Cultivation** under the **National Mission on Edible Oils-Oil Palm (NMEO-OP)** was held recently.

#### About NMEO-OP:

- **Launched by:** the **Government of India** in **August 2021**, NMEO-OP **targets a substantial increase in oil palm cultivation and crude palm oil production.**
- It is a **Centrally Sponsored Scheme** with a **special focus on the Northeast region** and the **Andaman and Nicobar Islands**, with a focus on **increasing the area and productivity of oilseeds and Oil Palm.**
- The **State Department of Agriculture, State Department of Horticulture, Central University, ICAR-Institutions, CDDs, SAUs, KVKs, Central Agencies/Cooperatives, Oil palm processors/Associations, DD Kisan, AIR, DD, TV channels** will be the **implementing stakeholders of the NMEO-Oil palm.**



# Daily Current Affairs Encyclopedia

**Five-Hundred Aperture Spherical Telescope (FAST)**

**Why in the news?**

- **Biologist Johannes Fritz and the Waldrappteam have successfully increased the Central European northern bald ibis population from zero to nearly 300 since 2002.**

**About FAST:**

- **Location:** Guizhou Province, **China**
- **Size:** 500 meters in diameter (equivalent to 30 football fields)
- **World's largest and most sensitive radio telescope**
- **Scientific Goals:**
  - **Detect neutral hydrogen** at the edge of the universe
  - **Reconstruct images of the early universe**
  - **Discover pulsars** and **establish a pulsar timing array**
  - **Participate in pulsar navigation** and **gravitational wave detection**
  - Join the **International Very-Long-Baseline Interferometry Network**
  - Perform **high-resolution radio spectral survey**
  - **Detect weak space signals**
  - Participate in the **search for extraterrestrial intelligence**
- **Data Management:** Uses a data system developed by **ICRAR (Australia)** and **ESO (Europe)** to handle the massive amount of data generated.

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