

EVERYDAY CURRENT AFFAIRS – OCTOBER 23, 2025

STATE

- **Chennai Becomes First City to Launch Real-Time Flood Forecasting System**
- ✓ In October 2025, Chennai became the first Indian city to implement a Real-Time Flood Forecasting and Spatial Decision Support System (RTFF & SDSS), enhancing its flood preparedness over a 4,974 sq km area covering key river basins.



- ✓ Developed with UK firms and supervised by IIT Madras, it operates through a Hydro Modelling Control Room and regional centers to enable timely flood forecasting and response.

SCIENCE, ENVIRONMENT & TECHNOLOGY

- **ISRO's Future Missions**
- ✓ ISRO has set a target to land Indian astronauts on the moon by the year 2040.
- ✓ The first human spaceflight under the Gaganyaan mission is planned for 2027.



- ✓ Three uncrewed Gaganyaan missions will precede the crewed mission, starting in December 2025 with robot Vyommitra.
- ✓ India aims to set up its own space station, Bharatiya Antariksha Station, by 2035.
- ✓ ISRO completed its 100th launch from Sriharikota with the GSLV F15/NVS-02 (Geosynchronous Satellite Launch Vehicle F15/ Navigation Satellite-02) mission in 2025.

