

India Should Aim For 'Own Space Station' By 2035 & 'Indian On Moon' By 2040 Says PM Modi

Why In The News?

- **A Space Station By 2035, And A Manned Mission To The Moon By 2040** These Were The Objectives Listed By PM Modi For The Indian Space Research Organisation (ISRO) During A Review Of **India's First Manned Space Mission**, A Crucial Test Flight For Which Is Scheduled On October 21.



Space station by 2035, manned mission by 2040: PM Modi tells ISRO to aim high

What Do We Know?

- The **Department Of Space**, Which Oversees The Operations Of ISRO, Has Also Been Directed To
- Develop A Roadmap For **India's Future Moon Missions**,
- The Development Of A **Next Generation Launch Vehicle (NGLV)**, Which Would Be Equipped To Undertake Return Missions,
- The Construction Of A **New Launch Pad**, And
- The Setting Up **Human-Centric Laboratories** And Associated Technologies.
- In The Meeting, PM Also Called Upon Indian Scientists To Work Towards **Interplanetary Missions** Including A **Venus Orbiter Mission** And A **Mars Lander**. In The Review Meeting, The Date For ISRO's **Test Vehicle Development Flight (TV-D1)**, A Crucial Test For India's First Human Spaceflight Gaganyaan, On **October 21**, Was Also Reiterated.

- ISRO Announced In A Separate Statement On Tuesday That The Test Flight Is Scheduled To Take-Off At **8am On October 21** From The Satish Dhawan Space Centre In Sriharikota.



Mission Gaganyaan:

The TV-D1 test flight is scheduled for

📅 October 21, 2023

🕒 between 7 am and 9 am

📍 from SDSC-SHAR, Sriharikota

#Gaganyaan



- The Space Agency Said That The Mission Also Plans To Demonstrate Its Technology **Preparedness Levels** Before Carrying Out The Final Human Space Flight Mission. These Demonstrator Missions Include Integrated **Air Drop Test (IADT), Pad Abort Test (PAT) And Test Vehicle (TV) Flights.**
- The TV-D1 Test Vehicle Is A Single-Stage Liquid Rocket Developed For This Abort Mission. The Payloads Consist Of The **Crew Module (CM) And Crew Escape Systems (CES)** With Their Fast-acting Solid Motors, Along With CM Fairing (CMF) And Interface Adapters.