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ISRO successfully launches NVS-03 navigation satellite using GSLV-F18

ISRO successfully launched the NVS-03 satellite aboard the GSLV-F18 rocket, marking India's third space launch of 2026.

NVS-03 is a navigation satellite designed to bolster India's indigenous NavIC constellation, providing precise positioning and timing services.

KEY EXAM POINTS

- The **NVS-03 satellite** weighs **2,250 kg** and was successfully placed into its intended orbit.
- The launch vehicle used for this mission was **GSLV-F18**.
- This mission marks **ISRO**'s third space launch of the year **2026**.
- **NVS-03** is equipped with both indigenous **atomic clocks** and procured **atomic clocks**.
- The mission plays a crucial role in reviving and maintaining India's ageing **NavIC** navigation satellite constellation.

DID YOU KNOW..!?

NavIC stands for Navigation with Indian Constellation, serving as India's indigenous alternative to **GPS**.

ISRO headquarters is located in **Bengaluru**, Karnataka.

GSLV uses **cryogenic** upper stage technology developed indigenously by India.

Satish Dhawan Space Centre (SDSC) SHAR in **Sriharikota**, Andhra Pradesh, is the primary launch port of ISRO.

Atomic clocks onboard navigation satellites are essential for providing highly accurate positioning and timing data.

India's space agency **ISRO** was established on **August 15, 1969**.

REVISION FLASHCARD

ISRO successfully launched the 2,250-kg NVS-03 navigation satellite using the GSLV-F18 rocket.

Syllabus Relevance: Highly relevant for TNPSC Unit 1 (General Science - Space missions and achievements) and Unit 2 (Current Events - National developments).

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