

Current News 2025-26

Grade - 4



In 2025, the Indian Space Research Organisation (ISRO) will achieve a major milestone with the Gaganyaan G1 mission, an uncrewed test flight in December carrying the Vyommitra humanoid robot to test critical systems for India's human spaceflight program. ISRO also successfully launched the NISAR earth observation satellite on July 30, 2025, in partnership with NASA, and the NVS-02 satellite in January 2025. Additionally, the organization hosted its National Space Day celebrations, focusing on themes like "Aryabhata to Gaganyaan" and holding nationwide outreach programs and competitions for students. [@](#)

Key 2025 Events & Missions:

- **Gaganyaan G1 (Uncrewed Mission):** In December 2025, ISRO will launch the G1 mission, the first uncrewed test flight for the Gaganyaan program. This mission will send the half-humanoid robot Vyommitra to test life support, environmental controls, and other critical systems to ensure the safety of future human missions. [🔗](#)
- **NISAR Mission:** On July 30, 2025, the ISRO-NASA joint earth observation satellite, NISAR, was launched to study land, ice, and oceans. NISAR uses advanced SweepSAR technology to scan the globe, providing all-weather data at 12-day intervals. [🔗](#)
- **NVS-02 Mission:** The navigation satellite NVS-02 was launched on January 29, 2025, to enhance India's satellite navigation capabilities. [🔗](#)
- **National Space Day 2025:** The annual National Space Day celebrations theme was "Aryabhata to Gaganyaan: Ancient Wisdom to Infinite Possibilities," honoring India's space heritage and future ambitions. [🔗](#)

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- **Educational Outreach:** ISRO conducted extensive outreach programs, including the START 2025 Space Science and Technology Awareness Training Programme and the ISRO Robotics Challenge and Bhartiya Antariksh Hackathon. 

In 2026, ISRO plans to conduct the second and third unmanned orbital flights (G2 and G3) for the Gaganyaan human spaceflight program, and is



considering the launch of the Chandrayaan-4 sample return mission, though it may launch in late 2026 or 2027. Additionally, the first dedicated commercial launch by ISRO using the SSLV rocket is scheduled for 2026, focusing on space collaboration between India and Australia. The development of ISRO's second launch complex at Kulasekarapattinam is also expected to be complete by December 2026. [🔗](#)

Key 2026 Missions & Developments

- **Gaganyaan (Human Spaceflight Program):**
 - **G2 and G3 Missions:** These will be the second and third unmanned orbital flights under the Gaganyaan mission, testing critical systems before the crewed flight. [🔗](#)

- **Chandrayaan-4 (Lunar Sample Return):**
 - While the first unmanned Gaganyaan mission is in late 2025, the launch of Chandrayaan-4, a lunar sample return mission, is planned for 2026 or 2027. [🔗](#)
- **Commercial Launch:**
 - **Space MAITRI Mission:** This ISRO page marks India's first dedicated commercial launch using the SSLV rocket. The mission aims to strengthen space collaboration between India and Australia, focusing on sustainable space operations and debris management. [🔗](#)
- **Infrastructure Development:**
 - **Kulasekarapattinam Launch Complex:** ISRO's second launch complex, located in Kulasekarapattinam, is expected to be completed by December 2026. This new facility will host launches of the SSLV rocket for smaller payloads. [🔗](#)