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FAST NEWS

Latest news and bulletin updates

Sumit Tiwari

Chandrayaan-3 Launched to make India’s future Brighter

The latest updates

The Indian Space Research Organisation (ISRO) on Tuesday successfully performed the third orbit-raising manoeuvre (Earth-bound perigee firing) of the Chandrayaan-3 spacecraft. ”The third orbit-raising maneuver (Earth-bound perigee firing) is performed successfully from ISTRAC (ISRO Telemetry, Tracking and Command Network)/ISRO, Bengaluru,” it said.



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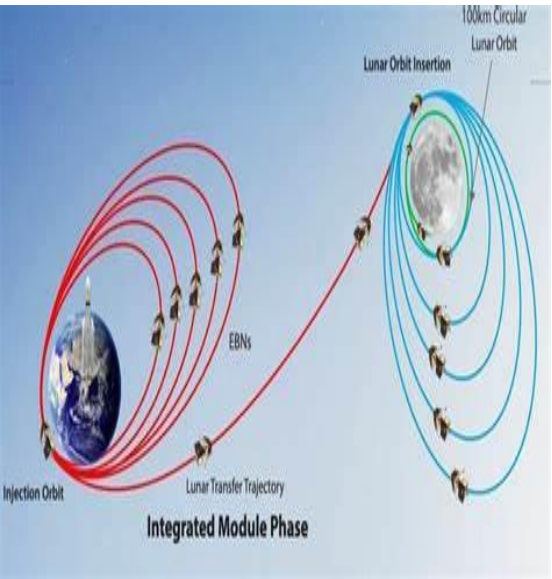
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Chandrayaan-3 will be sent into the lunar transfer trajectory after the orbit-raising activities. With the challenging technological achievement of the Chandrayaan-3 mission, expected in late August, scientists hope to perfect gentle landings on the lunar surface. If the mission is successful, India will join the United States, China, and the former Soviet Union as the fourth country to achieve the remarkable feat.

The propulsion module and the lander would accelerate and travel for more than a month to the moon’s orbit before coming to a standstill 100 km above the lunar surface.

The Chandrayaan-3 project replaces Chandrayaan-2, which disappointed scientists by failing to achieve the intended soft landing on the moon’s surface in 2019.



The Chandrayaan-3 mission by the Indian Research Organisation (ISRO) took off from Satish Dhawan Space Centre in Sriharikota Andhra Pradesh, at 2.35 PM IST on Friday 14.

'Fat boy' LVM3-M4 rocket is carrying Chandrayaan-3 as part of the country's lunar moon mission. Chandrayaan-3 mission consists of an indigenous propulsion module, lander module and a rover with an objective of developing and demonstrating new technologies required for inter-planetary missions.

The LVM-3, the country's heavy rocket nicknamed 'Bahubali' carried the 3.8-tonne Chandrayaan-3 spacecraft and put the rocket into orbit on Friday afternoon.

NASA, ESA congratulate India on Chandrayaan-3 spacecraft

- The US space agency NASA and European Space agency (ESA) on Friday lauded India's Chandrayaan-3 spacecraft that was successfully launched on a historic mission to the far side of the moon.
- The LVM-3, the country's heavy rocket, nicknamed 'Bahubali' carried the 3.8-tonne Chandrayaan-3 spacecraft and put the moon spacecraft into orbit on Friday afternoon.
- The mission is a follow up of the failed Chandrayaan-2 mission in 2019 when the lander named Vikram crashed on to the moon surface.
- "Congratulations to ISRO on the Chandrayaan-3 launch, wishing you safe travels to the Moon. We look forward to the scientific results to come from the mission, including NASA's laser retroreflector array. India is demonstrating leadership on #ArtemisAccords!" Bill Nelson, NASA administrator on Twitter.



Budget

India's third lunar mission has been allocated a budget of Rs 615 crore, according to *WION*. In comparison, the Chandrayaan 2 mission cost Rs 978 crore, according to *Times Now*, while the budget for Chandrayaan 1 was Rs 386 crore, according to ISRO.

