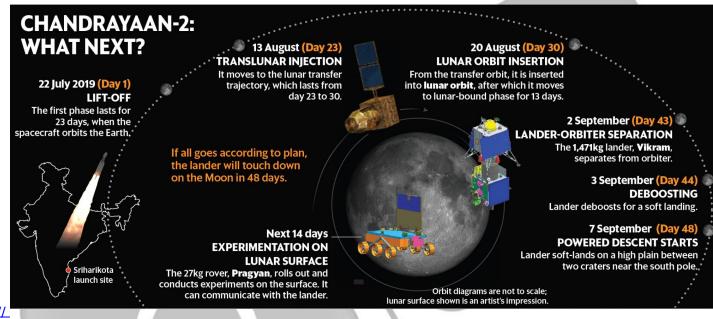
## Chandrayaan-2 : Launched Successfully

India's Geosynchronous Satellite Launch Vehicle (<u>GSLVMkIII</u>-M1), successfully launched the <u>Chandrayaan-2</u> spacecraft into the earth orbit.

 The chandrayaan-2 is now revolving round the earth with a perigee (nearest point to Earth) of 169.7 km and an apogee (farthest point to Earth) of 45,475 km.



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- Chandrayaan-2 is India's second mission (after Chandrayaan-1) to the moon and comprises a fully indigenous Orbiter, Lander (Vikram) and Rover (Pragyan).
  - The Rover Pragyan is housed inside Vikram lander.
- The mission aims to expand our knowledge and understanding of the origin and evolution of the Moon through a detailed study of its topography, mineralogy, surface chemical composition, thermo-physical characteristics and atmosphere.
- After Chandrayaan-2, the Indian Space Research Organisation (ISRO) has planned the launch of its solar mission, Aditya-L1, in the first half of 2020 to study the Sun's corona.

## Aditya-L1

- The satellite will be launched during 2019 2020 timeframe by **PSLV-XL** from **Sriharikota**.
- Aditya L-1 is a follow on mission to Aditya 1 (that was meant to observe only the solar corona). It will provide observations of the sun's photosphere (soft and hard X-ray), chromosphere (Ultra Violet ) and corona (Visible and Near infrared rays).

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