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**News:** PSLV C-56

## **PSLV C – 56**

- PSLV C – 56 is the latest mission of Indian Space Research Organisation (ISRO) carrying DS-SAR of Singapore.
- According to ISRO, the PSLV-C56 is configured in its core alone mode, similar to that of C55.
- DSSAR, a 360 kg satellite will be launched into a near equatorial orbit at 5 degrees inclination and 535 km altitude.
- The satellite is developed under a partnership between DSTA (representing the Government of Singapore) and ST Engineering.
- It will be used to support the satellite imagery requirements of various agencies within the Government of Singapore.
- DS-SAR carries a Synthetic Aperture Radar payload developed by Israel Aerospace Industries. This allows the DS-SAR to provide for all weather day and night coverage and is capable of imaging at 1m resolution at full polarimetry.

➤ The other satellites are VELOXAM, a 23 kg technology demonstration microsatellite; Atmospheric Coupling and Dynamics Explorer (ARCADE), an experimental satellite; SCOOBII, a 3U nanosatellites flying a technology demonstrator payload; NuLIoN by NuSpace, an advanced 3U nanosatellite enabling seamless IoT connectivity in both urban and remote locations; Galassia2, a 3U nanosatellite, which will be orbiting at low earth orbit; and the ORB12 STRIDER, which is a satellite developed under an International collaboration.