**NISAR - A SCIENTIFIC MARVEL AND A REMARKABLE INDO-US COLLABORATION**

Dear All

The NISAR (NASA-ISRO Synthetic Aperture Radar) satellite, weighing approximately 2,393 kg, was successfully launched on July 30, 2025, at 5:40 PM IST aboard ISRO's GSLV-F16 rocket from Sriharikota, India.

This joint Earth observation mission is a groundbreaking collaboration between NASA and ISRO. NISAR utilizes dual-frequency L-band and S-band synthetic aperture radars, allowing it to penetrate clouds and vegetation to provide unprecedented, all-weather, day-and-night imagery of Earth's surface every 12 days.

NISAR will observe earth from an  altitude of 747  kms and its primary uses include: Monitoring land and ice deformation,Studying ecosystems, Disaster response and Observing oceanic regions.

NISAR is a great Scientific Marvel and a fantastic example of Indo-US Collaboration.

