



**KAMARAJ IAS ACADEMY**  
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# Earth Observation Satellite EOS-N1 (Anvesha)

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- **The News:** Launched on **January 12, 2026**, via **PSLV-C62**, though the mission faced technical anomalies in the final stages.
- **Background Data:**
- **Hyperspectral Imaging:** Unlike standard cameras, EOS-N1 uses hyperspectral sensors to see light across hundreds of narrow bands. This allows it to identify the *material composition* of objects (e.g., distinguishing between a real tank and a plastic decoy).
- **Strategic Use:** Built by **DRDO**, it is designed for surveillance, border monitoring, and disaster management.
- Evolution of ISRO's EOS series and the strategic importance of space-based reconnaissance for national security.

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