

NASA Plans To Retire The International Space Station (ISS) By 2031

Why In The News?

- NASA Has Plans To **Decommission The International Space Station (ISS)** And Send It Into Retirement. The ISS Has Been Operational And Has Offered Its Services For **25 Years Of Service**.
- The US Based Space Agency Is Looking For A Spacecraft To **Safely Deorbit The Low Earth Orbit Modular Space Station**. To Do So, NASA Has Released A Request For Proposal From The Country's Industry For The **US Deorbit Vehicle (USDV)**.

INDIA TODAY

Nasa is planning to crash the Space Station. It's looking for a spacecraft

International Space Station (ISS)

EXAMS

- **Five Space Agencies** Which Include The Canadian Space Agency, The European Space Agency, The Japan Aerospace Exploration Agency, The National Aeronautics And Space Administration, And The State Space Corporation "Roscosmos" Have **Operated The ISS Since 1998**.
- Each Agency Was **Responsible For Managing And Controlling The Hardware** It Provided. The US, Japan, Canada And The Participating Countries Of ESA (European Space Agency) Have Committed To Operating The Station Through 2030, While Russia Made Similar Promises For At Least 2028.

How NASA Is Planning To Deorbit The ISS

- NASA Is Planning To Deorbit The ISS In A **Controlled Manner** To Avoid Populated Areas. The US Agency Claimed That The Safe Deorbit Of The ISS Is A Shared Responsibility Of All Five Space Agencies. The Deorbiting Will Be Done Through Partner Contributions Based On Mass Per Cent Ownership By The Agency.

- In The Coming Days, The US Planning To Transition Its Operations In Low Earth Orbit To **Commercially Owned And Operated Platforms**. This Will Ensure Continued Access And Presence In Space For Research, Technology Development, And International Collaboration.
- The Latest Efforts Indicates That A **New Spacecraft Solution** Will Offer More Robust Capabilities For A Responsible Deorbiting Process. To Initiate Development Of This New Spacecraft For The Final Deorbit Activity, NASA Has Released The Request For Proposal.
- This Spacecraft Will Be Designed Or Modified From An Existing Spacecraft That Has To Function On Its First Flight. The Spacecraft Needs To Have Enough Redundancy And Anomaly Recovery Capability To Continue The Deorbit Burn. **The USDV Is Expected To Take Years To Develop, Test And Certify.**

