India's Human Spaceflight Programme: GAGANYAAN

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Gaganyaan Programme

Government of India has approved Indian Human Spaceflight initiative



Indian Perspective on Sustained Human Space Flight Programme

- Technology development phase
- Two unmanned and one manned flights
- Capability to launch humans and stay in space for 7 days





Capability for human space flight

Gaganyaan Mission



Human Rated Launch Vehicle (GSLV MKIII derived)



Harmony of Engineering and Human Science





Life Support System & Flight Suit

Human Sciences & Bioastronautics

International Collaboration

ISRO's Expertise







- Human rated launch vehicle
- Orbital module
- Launch pad systems
- Certification

- Crew Training
- Life support system
- Flight suit

GAGANYAAN Mission Profile



Gaganyaan-Scientific Research Platform at National level

"Announcement of Opportunity for microgravity experiments in LEO" published on 8th Nov, 2018



Opportunity offered to International Community

