



# Bharatiya Antariksh Station

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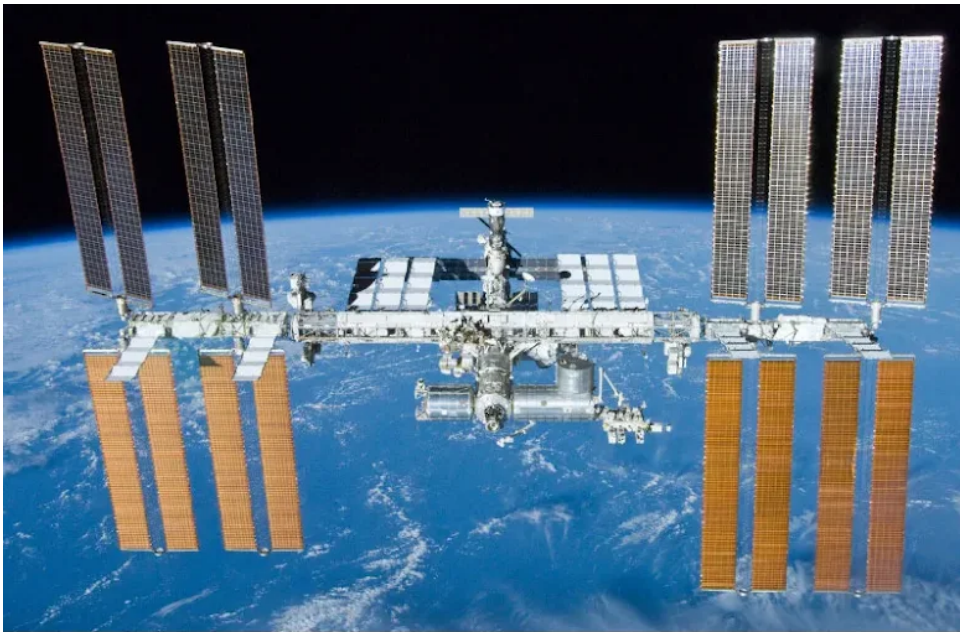
The Indian government is planning to establish a fully operational **Bharatiya Antariksh Station (BAS)** by 2035 and launch an **Indian crewed mission** to the **Moon by 2040**, ahead of the vision of 'Viksit Bharat' by 2047.

## Bharatiya Antariksh Station (BAS)

- **About:** Planned similar to the [International Space Station \(ISS\)](#), BAS will orbit **400-450 km above Earth** and support **scientific research**.
- **Components:** It will consist of **5 modules built in phases**, with the **Base Module** scheduled for **2028** and the station becoming **fully operational by 2035**.
- **Significance:**
  - **Elevate India's global space stature**, enable **microgravity research** and **international collaborations** in **biotechnology** and **materials science**.
  - Support **long-duration human space missions**, enhance **Earth observation** for **disaster monitoring**, and strengthen the **space economy** while inspiring [STEM](#) talent.

## International Space Station (ISS)

- The ISS, the **largest habitable satellite in LEO**, serves as a **global space laboratory** for research and cooperation.
- A joint venture of **15 countries** led by [NASA](#), [Roscosmos](#), [European Space Agency](#), [JAXA](#), and [Canadian Space Agency](#), it hosts **3,000+ experiments** from **108+ countries**.



## International Space Station: Interesting facts:a

The International Space Station is a large spacecraft. It orbits around Earth. It is a home where astronauts live.

The space station is also a science lab. Many countries worked together to build it. They also work together to use it.

The space station is made of many pieces. The pieces were put together in space by astronauts. The space station's orbit is approximately 250 miles above Earth.

The first piece of the International Space Station was launched in 1998. A Russian rocket launched that piece. After that, more pieces were added. Two years later, the station was ready for people.

The space station is as big inside as a house with five bedrooms. It has two bathrooms, a gymnasium and a big bay window. Six people are able to live there. It weighs almost a million pounds.

The space station is a home in orbit. People have lived in space every day since the year 2000. The space station's labs are where crew members do research.

Astronauts and supplies are ferried by the U.S. space shuttles and the Russian Soyuz and Progress spacecraft.



**Read More:** [India Sends Second Astronaut to Space](#)

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