



## Vyommitra

[Source: PIB](#)

Recently, the Ministry of Science & Technology announced that **woman robot astronaut "Vyommitra"** will fly into Space ahead of [Indian Space Research Organisation's \(ISRO\)](#) ambitious "[Gaganyaan mission](#)", which will be **India's first human manned Space Flight** carrying Indian Astronauts into Space.

- The "Vyommitra" Mission is scheduled for the third quarter of 2024 while a **manned mission "Gaganyaan"** is scheduled to be launched in 2025.
- "Vyommitra" is a name derived from two Sanskrit words namely, "**Vyoma**" (meaning Space) and "**Mitra**" (meaning Friend). This Female Robot Astronaut is equipped with the capability to **monitor Module Parameters, issue Alerts and execute Life Support operations.**
  - It can perform tasks such as operating six panels and responding to queries.
  - Vyommitra Astronaut is designed in such a manner to **simulate human functions in the Space environment** and interact with the Life Support System.
- The Gaganyaan project aims to **demonstrate human space capabilities**, launching astronauts into a 400-kilometer orbit and safely bringing them back to Earth, landing in India's sea waters.

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**Read more:** [Space Missions in 2024](#), [India's Space Endeavors](#)

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