



## Vyom Mitra: Lady Robot for Gaganyaan

### Why in News

Recently, [Indian Space Research Organisation \(ISRO\)](#) unveiled its **first 'woman' astronaut**, named **Vyom Mitra** who will ride to space in the **first test flight** of the **human space mission, Gaganyaan**.

### Key Points //



- She is **half-humanoid** and her body stops at the torso and has no legs. She is capable of switching panel operations, performing **Environment Control and Life Support Systems (ECLSS)** functions, conversations with the astronauts, recognising them and solving their queries.
  - The humanoid can detect and give out warnings if the environment changes within the cabin.
- She will **simulate the human functions** required for space before real astronauts take off before August 2022. She will be sent in a space capsule around the end of 2020 or early 2021 to **study how astronauts respond to living outside earth in controlled zero-gravity conditions**.
- The humanoid has been developed by the **ISRO Inertial Systems Unit, Thiruvananthapuram**.

**Source: TH**

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