



Hindustan Times

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ISRO ANALYSING RESULTS FROM GAGANYAAN'S SATURDAY TEST

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NEW DELHI: Scientists at the Indian Space Research Organisation (ISRO) said they have started analysing data from the crew escape system, and are also studying the crew module recovered from the ocean, after Saturday's successful first test vehicle development flight (TV-D1) for India's maiden human spaceflight - Gaganyaan.

A senior Isro official said that teams have started the process of analysing data from test flight to understand how various systems performed. They are also assessing how the systems within the crew module survived the landing into the Bay of Bengal.

"We have achieved results that are very close to nominal conditions, but we are analysing the data to ensure that we are absolutely ready before the crewed Gaganyaan mission," said the official.

Isro on Saturday morning successfully performed TV-D1 test flight, braving multiple weather delays. It was the first of the many safety tests scheduled to be performed by the space agency ahead of India's first human spaceflight.

The primary aim behind Saturday's test flight was to demonstrate and evaluate the sub-systems of the test vehicle, crew escape systems including various separation systems, to conduct crew module characteristics and the demonstration of deceleration systems at higher altitude and its recovery.

"Isro will conduct in-flight abort demonstration of Crew Escape System (CES) at Mach number 1.2 with the test vehicle followed by crew module separation and safe recovery," Isro's test flight brochure read.