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**News: Peregrine Mission One**

- The United States embarked on the Peregrine Mission One, its first attempt to land on the Moon in over 50 years. However, the landing attempt was seemingly doomed after the spacecraft developed a “critical” fuel leak just hours after launch.

**Peregrine Mission One**

- The Peregrine Lander is expected to be one of the first American spacecraft to land on the Moon since the Apollo program.
- The Peregrine Lunar Lander, also known as Peregrine Mission One, is a lunar lander built by Astrobotic Technology.
- It is part of the National Aeronautics and Space Administration (NASA)’s Commercial Lunar Payload Services (CLPS) programme, which aims to stimulate a broader lunar economy.
- NASA is partnering with diverse American companies under the CLPS initiative to transport science and technology payloads to the lunar surface.
- The CLPS contracts aim to facilitate lunar exploration, experimentation, and technology demonstrations in preparation for upcoming human missions.

- It is expected to touch down on a mid-latitude region of the Moon called Sinus Viscositatis, or Bay of Stickiness.
- This mission will also help prepare for Artemis, the NASA-led programme to return astronauts to the Moon later this decade, in preparation for missions to Mars.
- Artemis is NASA's ambitious initiative named after the moon goddess in Greek mythology. With a mission to land humans on the Moon by 2024, including the first woman and person of colour on the lunar surface.
- The program envisions an Artemis Base Camp on the lunar surface and a strategic Gateway in lunar orbit.