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Artemis 3 Moon Mission: Super Space Suit will be prepared by 2031

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Abstract

NASA, USA had decided to resend the humans on the moon with the Artemis mission by 2028, but according to the officials of Axiom Space Company, the new space suit will not be ready prior to the year 2031. That's why the chief administrator of NASA, Jered Isaacmann has expressed his views that by 2028 the astronauts will not step into the moon's land. Super space suit will be prepared by 2031 with news a Moon mission by 2028 is going to get a severe setback. Italian fashion company Prada has also joined in making the space suit using four G network helmet for the space mission along with the US Company recently. It is fairly clear that next manned mission will not be possible prior to 2031.

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Introduction

NASA, (National Aeronautics and Space Agency) USA has launched Artemis 2 mission in 2026 for setting and hence stepping the astronauts on the south pole of the Moon for the first time. In 2022, NASA with the help of Axiom Space and Collins Aerospace companies had given the responsibility for this project. The project was left by Collins Aerospace Company. The whole responsibility is now completely owned by the Axiom Space Company of the USA that's why the delay in the progress of the mission ultimate 3 is taking place.

Specialties of NASA's AXEMU space suit are

1. **Liquid Cooling System:** Inside the space suit, as an inner wear, a liquid cooling system will be fitted which will act as a liquid cooling system. This liquid cooling system will keep the body temperature in complete control.
2. **Smart Shoes:** Specially designed smart Shoes will have a firm grip on the Moon surface. Due to these smart Shoes, there will not be jumping needed on the Moon surface. Instead of jumping, the Astronauts can walk as they walk on the Earth surface.
3. **Waste Management System:** Using the Waist Management System, the Astronauts can work for eight hours continuously. Using waste Management System the

suit can withstand temperature up to minus 200 degree Celsius. Thus by using the waste Management System the suit will protect the Astronauts in severe cold.

4. **Fabric:** As the dust on the Moon surface is splintered and viscous it readily sticks to the space suit. With these new fabrics the dust will not stick to the suit, therefore travelling on the Moon surface will be comfortable.
5. **Rear Entry Aqua-system:** The new space suit will have a special facility of rear entry system, therefore the Astronauts will enter by the back side of the spacecraft. The changing and wearing of the suit will be comfortable and easy and soothing for astronauts in the space craft.
6. **Special Suit:** In the case of the Apollo mission, the common suit was made available. For the Artemis 3 mission the new suit will be for male and female separately. According to the personality, height, weight, body built, new suit will be made available.
7. **Smart Helmet:** The helmet is having HD camera, lights and 4G or LTE Communication system so that the recording and communication will be proper.

Result and Discussion

Artemis II mission recently launched by US space agency with NASA for finding the formidable solution for permanent base station on Moon's land. Indian designers and scientists

are also indirectly involved in this Moon mission. The next version of this mission was all set to be launched by 2028, now got a severe setback since recent news of unavailability of super space suit needed on moon land. Scientists all over the world are working hard for preparing special space suit for moon mission. Let's hope that the desired suit would be ready by 2028 or at least in 2029. The new suit will be a special suit where no dust is allowed to enter inside, no dust will be there outside, no cold will be allowed inside and outside, no trouble or disturbance from viscous particles from moon's surface.

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