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DESIGN AND DEVELOP CUBESATS FOR DIFFERENT PAYLOADS FOR BOTH MARS AND MOON.

Abstract

Notion Robotics Lab along with Engineers has designed cubesats for both Lunar and Mars Exloration, Todevelop systems and technologies related to the needs of future small, Moon-bound missions

Use of small spacecraft to help provide lunar communications and navigation services Small spacecraft propulsion for lunar missions and potential return of lunar samples using small spacecraft Small spacecraft electrical power and thermal management systems tailored for the distant and harsh environment between Earth and the Moon

The Nanosatellites would support Artemis programmes and also other space exploration conducted by space agencies. to collect data. The Challenges to develop swarms and distributed missions used for multi-point data collection and with multiple spacecraft working together in a synthetic aperture can enable new discoveries and gather data for exploration missions including identification of resources to support a sustainable lunar presence Notion Robotics Lab to propose hardware Industry to ease the supply chain in building the mission

Keywords.. Nanosatellites Swarms cubesats Suplychain Lunar Mars