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Strategies for Rapid Implementation of Interstellar Missions: Precursors and Beyond (4)

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ESTABLISHING "GSO" FOR THE ADVANCEMENT AND RAPIDITY IN SPACE MISSION

Abstract

Despite the increasing expansion of theoretical interstellar travel, mankind lacks practical concepts for exploring space beyond the solar system. Slow speed, outmoded robotics, and work repetition owing to the space race are only a few of the causes. Political issues involve limited finance and governmental control. This study tackles such challenges in the evolution of spaceflight and proposes a possible solution based on current technology. The "organizational issue" is the major focus of the research since its resolution will make future difficulties easier to avert. With "national" organizations, spaceflight improvement cannot be faster. These groups are primarily concerned with developing their "own" systems of space models. As a result, various parties carry out a similar mission. Furthermore, the core objectives of organizations vary. This slows down the exploration of space. Additionally, technological hiding prevents the integration of diverse technologies, stifling rapid innovation. In this case, the "Global Space Organization (GSO)" will assist in utilizing and integrating all current technology in order to develop highly sophisticated models while also boosting foreign relations. GSO will maximize the mission's chances of success and receive overall considerable funding from nations and investors. This research talks about a few major rules nations have to follow to establish GSO. It also discusses how breakthrough technology such as humanoids can be produced more quickly. Besides, GSO solves the problem of long-term space missions. The paper, specifically, talks about the implementation of missions to outer planets and nearer stars by setting the spacecraft into the orbit of the reachable asteroid on the way to the desired destination. Possessing diversity, the GSO might create its own astronomical culture, passing data from one generation to another. Therefore, the transmission time of the spacecraft's data will not be a concern. This paper also enlightens the social topic. The use of blockchain technology will make storage easy and the data authentic, increasing transparency. This transparency will foster societal trust. Also, with the huge development in the technical field, GSO will receive more manpower and investors for the quick initiation of mega-projects. Altogether, this research paper seeks the establishment of a Global Space Organization to employ integrated information for quick improvement and increased support and funds for rapid implementation. The current scenario of this research suggests a virtual platform based on quantum computing to connect authentic people virtually and physically.