

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Enabling the Future - Developing the Space Workforce (5)

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A START-UP FRAMEWORK FOR THE FUTURE ASTRONAUT WORKFORCE

Abstract

Arriving at The Artemis Generation, it is just a matter of time before the advent of The Mars Generation and beyond. With plenty of space missions to look forward to in the near future, the active involvement of the young generation becomes very essential. The rapidly increasing technology is continuing to create opportunities for the coming generations to be part of human space missions and captivating their dream of becoming an astronaut. Motivated from the above insights into future manned missions, a proposal is made for an initiative for an astronaut training program for the young space enthusiasts in the age group of 10 to 20 to obtain proper guidance and basic training for enhancing their skills required for becoming future astronauts. The concept involves, training the team of classified age groups in various skill development activities, which include survival skills, problem-solving abilities, and basic knowledge of fundamental instruments. It is also so designed to train the team to maintain sustainable and systematic physical and mental endurance. A specialized regime for each individual based on their abilities and requirements will be prepared to achieve personalized goals. Academic training of the team involves education in interested fields alongside principal knowledge on fields of medicine, engineering, biology, and chemistry. Activities involving team bonding, strategic planning, and persistence building enhances their social qualities. Testing the team and each individual for self-control and tolerance capabilities will sharpen their determination towards the mission. This paper deals with describing the

structure of the organization, financial plan, implementation challenges, future scope and other aspects of the initiative. All the mentioned activities discussed in the abstract will be detailed on the proper structure and procedure of their operation.