

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
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Author: Mr. Abdulla Hil Kafi
BRAC University, Bangladesh, abdulla.kafi@bracu.ac.bd

Mr. JAHIR UDDIN
University of Nebraska-Lincoln, United States, jahiruddinkomol+iafastro@gmail.com
Ms. Raihana Shams Islam Antara
BRAC University, Bangladesh, raihanashams.antara@bracu.ac.bd

EMPOWERING FUTURE SPACE INNOVATORS: CHALLENGES AND OPPORTUNITIES

Abstract

The field of space exploration is rapidly evolving and requires a new generation of innovative and skilled individuals. With space education being a relatively new concept in the Bangladesh, many students and people are unfamiliar with technical terminologies. This lack of prior knowledge and exposure presents a significant challenge when attempting to teach space education through seminars, workshops, and competitions. The paper discusses the difficulties encountered in simplifying complex technical terms, the need for more accessible educational resources and how we are building a new generation of space enthusiasts. Additionally, it explores the potential benefits of space education, including helping Bangladesh to become self-sufficient in space research and technologies. Despite the current lack of popularity for space education in Bangladesh, the paper emphasizes the importance of such education in inspiring an interest in scientific exploration and advancing the country's capabilities in space research. By analyzing the challenges and opportunities presented by satellite education, this paper aims to provide insights that can inform and improve future space educational initiatives in Bangladesh. Through our educational program, students gained valuable experience in space technology, developed critical thinking and problem-solving skills, and contributed to advancing space research. This research aligns with hands-on space education and outreach goals, enabling the next generation to become space innovation and exploration leaders.