

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)  
Interactive Presentations - IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (IP)

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CONTEMPORARY STANCE TO SPACE EDUCATION PEDAGOGY IN RURAL AREAS

**Abstract**

Space rings a bell in any common man's ears, creating a fascinatingly perceptive environment in one's mind, ranging from simple stars, the night sky, planets, to intricate structures like man-made crafts in space namely, rockets, satellites; the imagination is indeed boundless. However, for students situated in remote areas with access to only standardized schooling patterns, the thought or idea of career in space seems not only far from reach yet, an unexplored realm of possibilities, accentuating the purpose of this study. Pioneers who helped country like India, make remarkable Space breakthroughs are predominantly having educational backgrounds from hinterlands, which stands a strong motivation to focus on creating and examining the proposed learning framework.

This paper will delineate, how we tincture and sustain the inquisitiveness for Space in High School students across rural areas in developing nations, through an implementation of a unique educational paradigm, which is customized to their current cognitive and academic levels and their corresponding age. Subsequently, a new pedagogical framework is deliberated and executed, which is to accomplish the cultivation of space in learner's mind through a delicate approach, given the students must balance their existing curriculum as well. The design of this model will strongly address the narrow ends of the space education awareness that were elucidated, through a previously conducted case study consisting of a comprehensive data analysis from the same remote geographic region, which being a school from southern India.

Students are the prospective of tomorrows Space, enriching their intelligence is a concrete hope for a responsible and sustainable space. Aforementioned analysis is to foresee, substantial rise in broadened consciousness of space and refined knowledge levels in the learner's as well as the teacher's mind. Consequently, this research will give an outlook on, how to enhance the framework further in order to open up a leeway of executing this model in similar demographic regions, contemplating the challenges the students face globally.