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**Topic: Disaster Management & Impact Response**  
**Digital Modeling for Planetary Defence in Non Formal**

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**ABSTRACT**

Space quest from Greek science to date has been a virtue in each student. Global vision prevail as "quality primary and secondary education should be complemented by affordable technical, vocational and tertiary education that provides youth with relevant skills for employment and entrepreneurship(UNSDG4,2022). Resilience as an omnipotent attribute in human societies lives through climate change, disaster, planetary defence, pandemic or Infodemic is real and community enabling. Non Formal education can bridge science which hinges with culture. Notwithstanding the economic and life losses during lockdown, the quest for space among the parents and students is astonishing.

In India, the heritage of space science quest is a legacy. Today, National Education Policy NEP 2020 spells out skill and enabling. Earnest efforts are on to take science and technology education in local dialect. Medical, engineering and science curriculum are drafted. Notwithstanding the fact that inequality challenges well being and enabling with formal education, efforts are on in space education outreach in the form of amateur and routine supplement in the academic year. This was evident in a rare people science march during 1987 in India. It had over 29 state level people science organizations which bridged science in local dialect and various means of communication. Over 25,000 Kms people science march churned up innovative wealth of cultural heritage.

In this presentation, an effort is made to take the planetary defence through non formal activity and in virtual model for selected students. Selected students across the continents are networked to focus on modeling and simulation for community emergency preparedness on ground and learn the science of planetary defence. A ten week one hour a week non formal, open access and cutting across social barriers is designed. The program is proposed in mid January 2023 and running through 8<sup>th</sup> PDC. Selected students of 5-9<sup>th</sup> std and students in graduation are the population. Retired and working space scientists, and other sources of information forms the course content. Space and counter space being alive in arms distance away, younger generation can converge on modeling and simulation as a preferred mindfulness activity..

The basic premise is that ignited with scientific temperament and sensitized on social commitment enabling students at all levels is sustainable. Non formal space eco literacy models are cost free and do comply with the mandate of UN in UNESCO/UNEP/IEEP, 1977 and feasible. Details of the ten week one hour a week program with schedules and background materials in English and local dialect in Kannada is already in the process.

**Keywords:** Science and Culture, Planetary Defence, Modeling and Simulations.

**Comments:**

(Any , Date/Time slot, Oral or Poster,)