

BUILDING BLOCKS OF UNIVERSE | ब्रह्मांड के निर्माण के

भौतिकी के मूलकण

कण

प्रमाण

इलेक्ट्रॉन (एक प्रकार का लेप्टॉन)

न्यूट्रिनो

सामयिक

प्रोटॉन

ये पदार्थ लेप्टॉन और क्वार्क

सोर्स

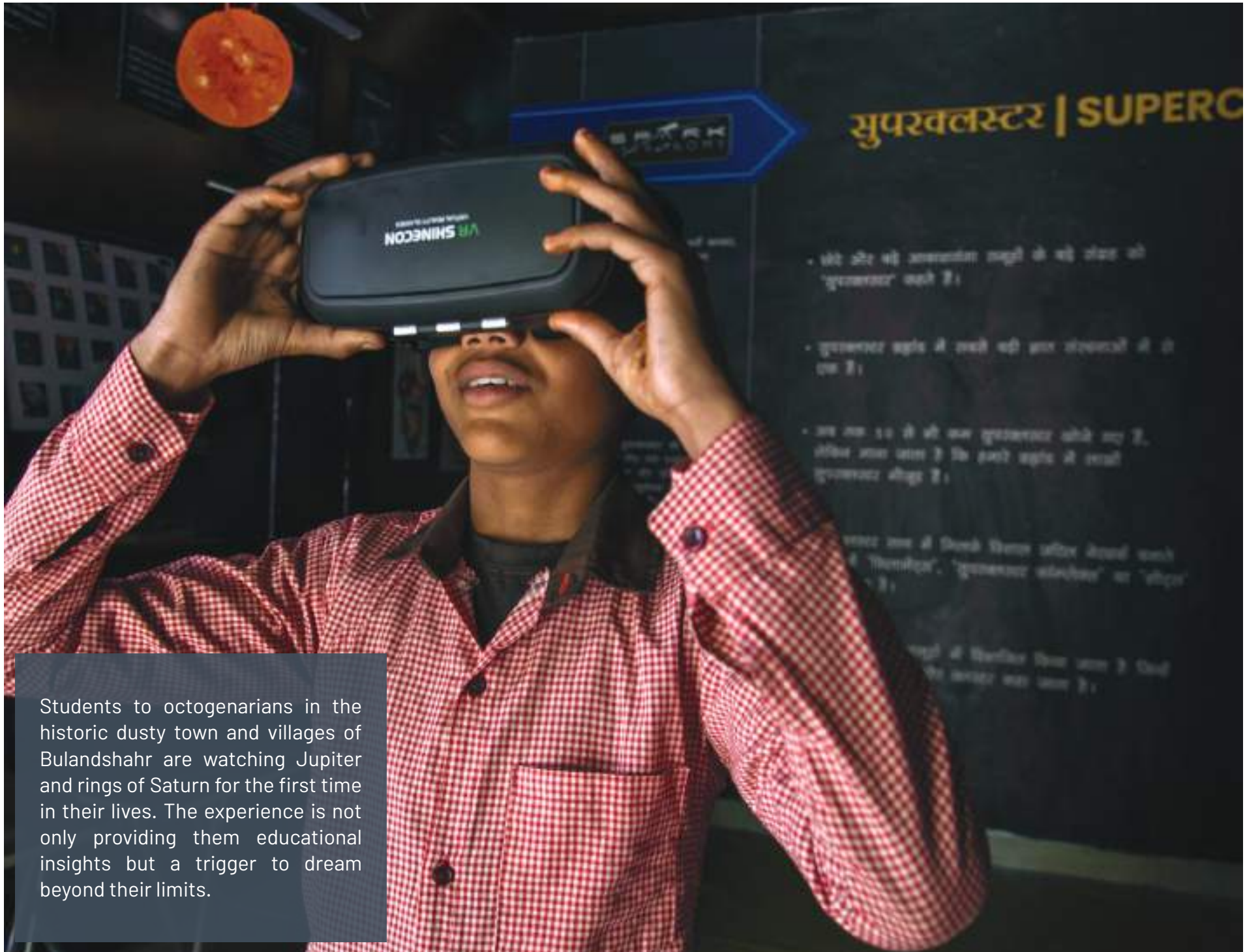




STAR GAZING

UNDERSTANDING TIME AND SPACE

BULANDSHAHR, UTTAR PRADESH



Students to octogenarians in the historic dusty town and villages of Bulandshahr are watching Jupiter and rings of Saturn for the first time in their lives. The experience is not only providing them educational insights but a trigger to dream beyond their limits.

In a nation advancing towards providing experiential education to every child, a silent yet significant revolution in astronomical science is underway in the Bulandshahr District of Uttar Pradesh. More than 105 astronomy labs in Government primary and upper primary schools of Bulandshahr in Uttar Pradesh are a reality that is inspiring young minds to study the universe closer and better. The establishment of Astronomy labs in Government schools of Bulandshahr was first received with a sense of amazement but it soon became a mission with the local population participating in it.

Every time a telescope reaches out to the stars in the village night sky, it allows the kids to rise above the rich-poor, urban-rural disparities that unfairly influence quality of education.

The first lab was dedicated to Sir Shanti Swaroop Bhatnagar, who completed his elementary education from Bulandshahr.

OUTCOMES

A child centric school of experiential learning for conceptual clarity.

Rich inventory of teaching and learning material.

Tools for identification of gifted children.

PARTICIPATIVE IMPLEMENTATION

The innovation has been implemented in a cluster-based method to provide teachers and students avenues for peer learning.

Labs positioned to act as vehicles of character building as astronomy is a humbling science.

School curriculum and adult literacy aims are set to be addressed by cultivation of scientific temperament in the community.

These labs are set up by the Gram Panchayat through a consultative process of decision making.



CURRENT COVERAGE

105 labs

77,175 students

from 525 schools are linked to these labs.



