ACHARYA'S NRV SCHOOL OF ARCHITECTURE

SOLADEVANAHALLI, BENGALURU -560107

" SCIENCE CENTER "

ARCHITECTURE DESIGN PROJECT (THESIS) – 2024-25

Submitted in partial fulfillment of the Requirements for the

"Bachelor of Architecture" Degree Course

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This thesis title "**SCIENCE CENTER** in Bangalore", submitted in partial fulfillment of the requirement for the award of the under graduate of Bachelor of architecture is my original work to the best of my knowledge.

The sources for the various information and the data used have been duly acknowledged.

The work has not been submitted or provided to any other institution/ organization for any diploma/degree or any other purpose.

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RAHUL S

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Her insights and expertise have been instrumental in shaping the direction of this thesis, and her patience and dedication have pushed me to explore my ideas with confidence and clarity.

This project, "Science Center in Bangalore," not only represents a culmination of my academic efforts but also reflects my personal journey and aspirations as an architect. Through this work, I have sought to merge functionality with creativity, aiming to design spaces that are both impactful and sustainable. It showcases the kind of architect I aspire to be one who creates innovative, inclusive, and people-centric urban spaces.

ABSTRACT

The conceptualization and design of a state-of-the-art science center in Bangalore, a city known as India's technological and educational hub. The science center aims to serve as a dynamic platform for fostering public understanding of science, technology, engineering, and mathematics (STEM) through interactive exhibits, hands-on learning, and innovative programming. Inspired by the success of institutions like the Visvesvaraya Industrial and Technological Museum, the design emphasizes accessibility, sustainability, and cultural integration. The project incorporates cutting-edge display technologies, maker spaces, and collaborative zones to engage audiences of all ages and socio-economic backgrounds.

Key Features

1. Hands-on displays and experiments to engage visitors in STEM concepts.
2. Thematic galleries on topics like space exploration, renewable energy, robotics, and biotechnology
3. Dedicated maker spaces and innovation labs for workshops and creative projects.
4. Virtual and augmented reality zones for immersive learning experiences.
5. Demonstrative green technologies like solar panels, rainwater harvesting, and waste management systems.
6. Smart exhibits powered by AI for adaptive learning and interactive storytelling.
7. Programs for schools, colleges, and local communities to promote science literacy.
8. Barrier-free design for individuals with disabilities.
9. Facilities for researchers and educators to collaborate on STEM education programs.

This science center in Bangalore serves as a hub for STEM education, innovation, and public engagement. With interactive exhibits, sustainable design, and inclusive programs, it bridges science and society. Reflecting Bangalore’s technological prominence, it inspires curiosity, promotes sustainability, and fosters a future-ready community driven by scientific exploration.

Table Of Contents

Figure Number