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Thengai Vaal: Integrated Processing and Hospitality Hub for Coconut By-Products

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 is to certify that this thesis report titled "Small Scale Industries Hub" by A V Sri Vaishnavi Burle of IX SEMESTER B. Arch, USN No. 1AA20AT002 , has been submitted in partial fulfillment of the requirements for the award of under graduate degree **Bachelor of Architecture (B.Arch)** by Visveshwaraya Technological University VTU, Belgaum during the year 2024- 25.

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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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ABSTRACT

The proposed thesis focuses on creating a design framework that addresses the dual objectives of providing sustainable and functional individual shelters while advancing business opportunities and fostering social equity. The project is centered around a small-scale Processing Units dedicated to coconut by-products, which integrates diverse functions such as a food court, museum, dormitories, and office spaces.

Through this project, the aim is to tackle the challenges of shelter design, community-oriented contexts, by incorporating user-centric approaches. Additionally, the design seeks to establish a harmonious relationship between the built environment and its social, economic, and cultural context, thereby enhancing livelihood opportunities and promoting inclusive growth.

The research investigates, community-focused planning strategies, and the adaptability of spaces to serve multiple functions. The outcome aspires to create a self-sustaining ecosystem that addresses individual needs while contributing to broader societal and business advancements. This thesis envisions architecture as a catalyst for change, capable of uplifting communities and fostering impartiality in access to resources and opportunities.

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