Effective Utilization of Coir Raw Material to Avoid Wastage

A PROJECT REPORT

Submitted by,

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Under the guidance of,

Ms. Soumya

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING IN INTERNET OF THINGS

At

PRESIDENCY UNIVERSITY

BENGALURU

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PRESIDENCY UNIVERSITY

SCHOOL OF COMPUTER SCIENCE ENGINEERING

CERTIFICATE

This is to certify that the Project report **EFFECTIVE UTILIZATION OF COIR RAW MATERIAL TO AVOID WASTAGE** being submitted by D VACHAN POOJITHA U, RAKESH R bearing roll number(s) 20211CIT0058, 20211CIT0077, 20211CIT0149 in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering in Internet of Things is a bonafide work carried out under my supervision.

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DECLARATION

We hereby declare that the work, which is being presented in the project report entitled **EFFECTIVE UTILIZATION OF COIR RAW MATERIAL TO AVOID WASTAGE** in partial fulfillment for the award of Degree of **Bachelor of Technology** in **Computer Science and Engineering in Internet of Things**, is a record of our own investigations carried under the guidance of **Ms Soumya , Assistant Professor , School of Computer Science Engineering & Information Science, Presidency University, Bengaluru.**

We have not submitted the matter presented in this report anywhere for the award of any other Degree.

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ABSTRACT

In the current landscape of the coconut industry, the lack of real-time information regarding raw material availability and quantity poses a significant challenge for industry personnel. This information gap leads to inefficiencies, uncertainties, and potential disruptions in the supply chain. To address this issue, we propose the development of a web-based platform designed to provide industry personnel with accurate and timely data on raw material availability. This platform aims to bridge the information gap between coconut farm owners, industry personnel, and data analytical firms, fostering greater transparency and efficiency within the industry.

To ensure the integrity of the system and the reliability of the data, the platform will require registration from all stakeholders, including industry personnel, farmers, and data analytical firms. This registration process will involve the verification of valid identification documents to maintain transparency and accountability. Coconut farm owners will be responsible for inputting data on the availability and quantity of raw materials, which will be securely stored in a centralized database. To facilitate data entry, users will have the option to input data via web login or through an SMS-based system. Once an industry owner completes a transaction, the details of the transaction will be automatically recorded in the database, providing a comprehensive record of all activities.

This abstract outlines a proposed web-based platform designed to address the critical issue of raw material availability and transparency within the coconut industry. By providing real-time access to accurate and up-to-date information, the platform aims to streamline communication, enhance decision-making, and improve overall efficiency. The platform's focus on data security, user-friendly interface, and robust data analytics capabilities will empower industry stakeholders to optimize resource allocation, reduce costs, and foster sustainable practices.