

SOLUTION FOR EFFECTIVE UTILIZATION OF COIR RAW MATERIAL TO AVOID WASTAGE

A PROJECT REPORT

Submitted by,

Nagaruru Sunandhan

20211CST0006

Bobbiti Yaswanth Reddy

20211CST0039

Kruthika S

20211CST0041

Under the guidance of,

Mrs. Shaik Salma Begum

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND TECHNOLOGY

At



PRESIDENCY UNIVERSITY

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PRESIDENCY UNIVERSITY

PRESIDENCY SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Project report “**SOLUTION FOR EFFECTIVE UTILIZATION OF COIR RAW MATERIAL TO AVOID WASTAGE**” being submitted by “Nagaruru Sunandhan, Bobbiti Yaswanth Reddy, Kruthika S” bearing roll numbers “20211CST0006, 20211CST0039, 20211CST0041” in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Technology is a bonafide work carried out under my supervision.

Mrs. SHAIK SALMA BEGUM

Assistant Professor
School of PSCS
Presidency University

Dr. SAIRA BANU ATHAM

Professor & HoD
School of PSCS
Presidency University

Dr. L. SHAKKEERA

Associate Dean
School of PSCS
Presidency University

Dr. MYDHILI NAIR

Associate Dean
School of PSCS
Presidency University

Dr. SAMEERUDDIN KHAN

Pro-Vc School of Engineering
Dean -School of PSCS&IS
Presidency University

PRESIDENCY UNIVERSITY

PRESIDENCY SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that the work, which is being presented in the project report entitled **SOLUTION FOR 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 Technology**, is a record of our own investigations carried under the guidance of **Mrs. Shaik Salma Begum, Assistant professor, Presidency School of Computer Science and Engineering, Presidency University, Bengaluru.**

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

Student Name	Roll Number	Signature
Nagaruru Sunandhan	20211CST0006	
Bobbiti Yaswanth Reddy	20211CST0039	
Kruthika S	20211CST0041	

ABSTRACT

The global coir industry is confronted with significant challenges stemming from the underutilization and ineffective waste management of coconut-derived raw materials. This not only raises pressing environmental concerns but also results in substantial economic losses. In response to these challenges, a pioneering web-based platform has been introduced in this paper, uniquely crafted to streamline the coir supply chain by seamlessly integrating farmers, industries, and data analytics firms within a unified digital ecosystem. The core objective of this innovative platform is to facilitate real-time data sharing through user-friendly interfaces, ultimately driving enhanced transparency, reduced wastage, and the facilitation of data-driven decision-making processes to optimize sustainable coir utilization. Leveraging the latest advancements in modern database management techniques and fortified by robust user authentication protocols, the proposed system is engineered to guarantee secure, efficient, and scalable operations. By revolutionizing coir resource management practices, this sophisticated solution is poised to not only catalyze economic growth within the industry but also to significantly mitigate the adverse environmental impacts associated with the coir supply chain, thereby paving the way towards a more sustainable future.