



Certificate

International Multidisciplinary Recognized Research Journal
ISSN 2231-5063

Impact Factor 2.2052 (UIF)
RNI: MAHMUL 2011/38887

Golden Research Thoughts

This is to certify that our Editorial, Advisory, and Review Board Accepted Research Paper of Dr. /Shri./Smt.: **Chethana T. V and D. Ramesh** Topic:- **Development Of Pedal Operated Grain Cleaner**

The Research paper is Original & Innovative it is Done Double Blind Peer Reviewed. Your Article is Published in The Month of **June** Year 2014



Laxmi Book Publication
258/34, Raviwar Peth, Solapur-413005 Maharashtra India
Contact Detail: +91-0217-2372010 / 9595-359-435
e-Mail: ayisrj2011@gmail.com
Website: www.isrj.net

Authorized Signature
T. N. Chhinda
Editor-in-Chief

Author's Profile



Chethana T. V
Tumkur

Present Designation: Student 4th Sem M.Tech Product Design and Manufacturing, Sri Siddhartha Institute of Technology, Department of Industrial Engineering and Management, Tumkur..

Education: M.Tech.

Short Profile :

Chethana T.V. is a Student. She has completed M tech. She has done academic project on Developing a conceptual model of pedal operated grain cleaner.

Contact Us:
Laxmi Book Publication
258/34m Raviwar Peth, Solapur-413005 India
Contact: +91-217-2372010 / 9595-359-435
e-Mail: ayisrj2011@gmail.com
Website: www.isrj.net

Authorized Signature

Rajani Kota
Rajani Kota
Review Editor



Happy Writing...

Article Review Report



Golden Research Thoughts

International Recognition Multidisciplinary Research Journal
ISSN 2231-5063

DOI Prefix : 10.9780
Journal DOI : 10.9780/22315063

Impact Factor : 2.2052 (UIF)

ORIGINAL ARTICLE

Received : 15th May .2014, Published: 1st June.2014

Your Article QR Code



See your article on Mobile

Vol. III, Issue : XII, June. 2014

DEVELOPMENT OF PEDAL OPERATED GRAIN CLEANER



==:Your article is deposited in:==					DRJI
GO ARTICLE (United States)	DOAJ (Sweden)	ZOTERO (United States)	GOOGLE SCHOLAR (United States)	CITULIKE (United States)	MY NET RESEARCH
DIGG (United States)	MENDALEY (United Kingdom)	DELECIOS (United States)	FIGSHARE (United States)	ENDNOTE (Ireland)	Easybib.Com (United States)

Correspondence to,

Chethana T. V and D. Ramesh

Student 4th Sem M.Tech Product Design and Manufacturing, Sri Siddhartha Institute of Technology, Department of Industrial Engineering and Management, Tumkur.
Assistant Professor, Sri Siddhartha Institute of Technology, Department of Industrial Engineering and Management.

Happy Writing...

ABSTRACT:

In the developing world, powered grain cleaners exist, but they are impractical in rural regions because of electricity are expensive or unavailability. The objective is to develop a low cost, pedal powered machine that is designed using readily available parts. Innovation is its simple design using bicycle components, which is easy to operate and without using electricity.

Abstract Report: The Title Accurately Said The Study was About.

INTRODUCTION:

Agriculture is the backbone of Indian Economy. Agriculture [1] is basically an energy conversion industry farm is an energy consumer and a producer, because with the use of the different energy inputs, energy output as a crop production is available. Almost all the food, feed, fibre and fuel commodities go through a number of postharvest processing operations such as cleaning, grading, separation, drying, storage, milling, food processing, packaging, transport and marketing before it reaches to the consumers.

Introduction Report: This Article Include Full Introduction, Methods, Results & Introduction Section.

METHODS & MATERIALS:

The main aim of the project work is to get cleaned variety of grain without using electricity. The mechanism involved in the work is using pedal operated and vibratory mechanism.

The sieve can be made of wire mesh on perforated sheet metal. Moving the sieve in a back-and-forth direction moves the materials, permitting smaller particles to fall through the openings and larger particles to remain on top. Without movement little separation would occur. A basic single-screen cleaner performs only one separation.

Methods & Materials Report: Tables/Boxes/Diagram & Images are Used to Explain Specific Points or Background Information. Figures That The Plotted Parameters are Clearly Mentioned.

RESULT:

Where, N_1 = no. of grains at grain outlet
 N_2 = no. of stones at stones outlet.

Thus, efficiency of cleaned variety of grain is found to be 82-85.

Result Report: Figures are Imported to Provide Explanation for Background Information. Conclusion of This Paper Clearly Supported Results.

CONCLUSION:

The final outcome from this project work is that cleaned variety of grain is obtained. In this project work we are also calculating the mass flow rate theoretically, and also the pedaling rate with vibrations in rpm. Thus 82-85% of cleaned variety of grain is obtained by using pedal operated grain cleaner.

Conclusion Report: The Text is Rounded off with a Conclusion that Discusses the Implication of The Findings & Ideas Discussed & Their Impact on Future Research Direction.

REFERENCES:

- Adegun, I.K. (2006). Development of Guinea Corn and Rice Mixture Separation Machine, Journal of Sustainable Agriculture and the Environment 8(2):108-115.
- Adekoya, L.O. and Koya, O.A. (1994). Development destoner. Ife Journal of Technology, Department of Agric. Engineering O.A.U. Ile-Ife, Nigeria 4:35.
- Ademosun, O.C. (1993). Development and performance evaluation of pedal operated multicrop cleaner, Journal of Agricultural Engineering and Technology 27-37.
- Basorun, J.O. (2008). A bivariate Analysis of Factors Affecting Rice Processing Igbemo-Ekiti, Nigeria. Agricultural Journal 3: 442-446.

Reference Report: The author cited all the most relevant previous studies and explains how they relate to the current study

RECOMMENDATIONS:

Abstract Report: Introduce New Regular For Content & Communication.

SUMMARY OF ARTICLE:

	Very	High	Average	Low	Very Low
1. Interest of the topic to the readers	✓				
2. Originally & Novelty of the ideas	✓				
3. Importance of the proposed ideas		✓			
4. Timelines			✓		
5. Sufficient information to support the assertions made & conclusion drawn					
6. Quality of writing (Organization, Clarity, Accuracy Grammar)	✓				
7. References & Citation (Up-to-date, Appropriate Sufficient)		✓			

This Article is Innovative & Original, No Plagiarism Detected

Future Research Suggestions

This Article can expand further research for MINOR/MAJOR Research Project at UGC



citeulike



DOAJ

EasyBib

ENDNOTE

figshare



MENDELEY

MyNetResearch



zotero

Future Research Planning :

- 4th INTERNATIONAL CONFERENCE On Software Solutions, E-Learning, Computer Sciences, Information and Communication Technology (SECICT- 2014) (http://www.krishisanskriti.org/itsc_conference.html)
- 1st to 3rd July 2014 A Coruna, Spain Advances in Fluid Mechanics 2014 (<http://www.wessex.ac.uk/afm2014>)
- 2014 3rd International Conference on Civil Engineering and Materials (ICCEM 2014) (<http://www.iccem.org/>)
- International Conference On Advances in Mechanical, Aeronautical and Production Techniques – MAPT (<http://mapt.theired.org>)

Happy Writing..

Chethana T. V and D. Ramesh

Happy Writing..

Chethana T. V and D. Ramesh