



**SOUTHERN LUZON STATE UNIVERSITY**  
Lucban, Quezon

**PROJECT MONITORING AND EVALUATION  
(INITIAL EVALUATION REPORT)**

Project Title:	Design and Development of Automated Coconut De-Husking Machine Using Raspberry Pi
Proponents:	Roland A. Calderon, DIT Edgardo E. Cedenio Razel C. Tulod
Proposed Date of Implementation:	June 2020 – June 2021
Proposed Duration of the Project:	12 months
Research Location:	SLSU Lucena City
Project Budget:	PhP82,000.00
Actual Date of Implementation	September 2020

	<i>Criteria</i>	<i>Yes</i>	<i>No</i>	<i>Remarks</i>	<i>Supporting Documents Needed</i>
1.	Did the different activities conducted lead to the attainment of objectives?			For verification	
	<ul style="list-style-type: none"> <li>➤ Design an automated coconut de-husking machine</li> <li>➤ Identify requirements of the end-user</li> </ul>			<ul style="list-style-type: none"> <li>➤ No specific design of the automated coconut de-husking machine to be constructed or fabricated</li> <li>➤ Considerations on how to come up with the design of the machine</li> <li>➤ No specific data to be gathered to address the needs of the end-users</li> <li>➤ No specific end-users identified in the proposal</li> <li>➤ No procedures or methodologies on how data will be gathered</li> </ul>	<ul style="list-style-type: none"> <li>➤ Technical drawing of the proposed machine or device to be constructed including the technical specifications of the said device</li> <li>➤ Questionnaire for the prospect end users</li> <li>➤ Literatures supporting the questions and the data to be gathered from respondents</li> <li>➤ List of proposed respondents and their background focusing on the activities related to the proposed study</li> </ul>



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	<ul style="list-style-type: none"> <li>➤ Develop automated coconut de-husking machine</li> <li>➤ Evaluate the proposed design: <ul style="list-style-type: none"> <li>- Cost effectiveness</li> <li>- Functionality</li> <li>- Usability</li> <li>- Maintainability</li> <li>- Marketability</li> <li>- Portability</li> </ul> </li> </ul>			<ul style="list-style-type: none"> <li>➤ No specific design of the Automated Coconut De-husking Machine Using Raspberry Pi to be constructed or fabricated</li> <li>➤ No evaluation criteria on the performance of the machine developed</li> </ul>	<ul style="list-style-type: none"> <li>➤ Data gathered from the respondents</li> <li>➤ Revised technical drawing showing the modifications done based on the data gathered from the respondents</li> <li>➤ Pictures of the developed device showing the detailed parts of the device</li> <li>➤ Specific parameters and criteria on how the machine will be evaluated; these criteria should be based on literatures</li> </ul>
2.	Were the activities done as scheduled?			For verification	
	<ul style="list-style-type: none"> <li>➤ Data gathering as basis for the design of the machine (Sep – Nov 2020)</li> <li>➤ Design of the machine (Sep – Nov 2020)</li> <li>➤ Fabrication of the machine (Sep – Nov 2020)</li> <li>➤ Prototype testing and enhancement of the machine (Dec 2020 – Feb 2021)</li> <li>➤ Evaluation of the machine (Mar – May 2021)</li> <li>➤ Submission of terminal report (Mar – May 2021)</li> <li>➤ Presentation to in-house review (Jun 2021)</li> </ul>				<ul style="list-style-type: none"> <li>➤ Documents showing the period when the different activities were accomplished; include photos as part of the documentation</li> </ul>



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3.	Were the data gathered systematically?			For verification	
	<ul style="list-style-type: none"> <li>➤ Design parameters</li> <li>➤ Prototype tests parameters</li> </ul>			<ul style="list-style-type: none"> <li>➤ No specific design parameters to be gathered</li> <li>➤ No evaluation criteria on the performance of the machine developed</li> </ul>	<ul style="list-style-type: none"> <li>➤ Technical data incorporated in the original design of the device</li> <li>➤ Proposed original design plan of the device</li> <li>➤ Data from the respondents wherein the modifications on the machine were based</li> <li>➤ Modified design plan of the device</li> <li>➤ Test data regarding evaluation of the fabricated device</li> </ul>
4.	Were the data filed systematically and were easily retrievable?			For verification	
5.	Was the project implemented in the recommended/proposed location(s)?			For verification	
	➤ SLSU Lucena City			➤ SLSU Lucena City	
6.	Was the proposed research design followed? <ul style="list-style-type: none"> <li>➤ Sampling design</li> <li>➤ Number of replications</li> <li>➤ Statistical analysis</li> <li>➤ methods</li> </ul>			For verification <ul style="list-style-type: none"> <li>➤ No specific research design stated in the proposal</li> <li>➤ Data analysis procedures were not stated in the proposal</li> </ul> Methodology did not discuss how the machine will be constructed and evaluated	<ul style="list-style-type: none"> <li>➤ Procedures and methodologies followed from the initial up to the final stages of the project duration</li> </ul>
7.	Were the equipment/supplies purchased following the approved work and resource plan and budget?			For verification	



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	<ul style="list-style-type: none"><li>➤ Electrical components of the device</li><li>➤ Machine components of the device</li><li>➤ Design and development</li></ul>			<ul style="list-style-type: none"><li>➤ PhP40,000.00 released as of March 2021</li></ul>	<ul style="list-style-type: none"><li>➤ Schedules and proofs of the procurements done relative to the equipment and supplies stated in the proposal</li></ul>
8.	Were the project outputs accomplished?			For verification	
	<ul style="list-style-type: none"><li>➤ Fabricated device</li><li>➤ Evaluation results</li><li>➤ Terminal report</li><li>➤ Presentation in in-house review</li></ul>				<ul style="list-style-type: none"><li>➤ Documents showing that the expected outputs stated were accomplished</li></ul>
9.	Were there modifications made in any aspect of the project?			For verification	<ul style="list-style-type: none"><li>➤ Attach narrative report, duly approved by the relevant authorities, if there were modifications in the project</li></ul>
10.	What was the percentage of project accomplishment?			For verification	
11.	Suggestions to address the problem(s) encountered				


Evaluated by:


  
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