



SOUTHERN LUZON STATE UNIVERSITY

Lucban, Quezon

PROJECT MONITORING AND EVALUATION (INITIAL EVALUATION REPORT)

Project Title: Development of GSM-controlled Bamboo Cutter Using Arduino
Proponents: Celio P. Seco
Edgardo E. Cedeno
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: PhP78,000.00
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">➤ Design an embedded electronic device utilizing fritzing application➤ Identify requirements of the end-user			<ul style="list-style-type: none">➤ No specific design of the bamboo cutter to be constructed or fabricated➤ Considerations on how to come up with the design of the machine➤ Machine to be constructed did not specify if it is for harvesting bamboo poles, cutting the pole into desired length, splitting the bamboo pole into strips, or obtaining the desired thinness/thickness of the strips	<ul style="list-style-type: none">➤ Technical drawing of the proposed machine or device to be constructed including the technical specifications of the said device➤ Questionnaire for the prospect end users➤ Literatures supporting the questions and the data to be gathered from respondents➤ List of proposed respondents and their background focusing on the activities related to the proposed study➤ Data gathered from the respondents



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	<ul style="list-style-type: none"> ➤ Develop GSM-controlled bamboo cutter ➤ Evaluate the proposed design: <ul style="list-style-type: none"> - Cost effectiveness - Functionality - Usability - Maintainability - Marketability - Portability 		<ul style="list-style-type: none"> ➤ No specific data to be gathered to address the needs of the end-users ➤ No procedures or methodologies on how data will be gathered ➤ No end-users identified in the proposal ➤ No specific design of the bamboo cutter to be constructed or fabricated ➤ No evaluation criteria on the performance of the machine developed 	<ul style="list-style-type: none"> ➤ Revised technical drawing showing the modifications done based on the data gathered from the respondents ➤ Pictures of the developed device showing the detailed parts of the device ➤ Specific parameters and criteria on how the machine will be evaluated; these criteria should be based on literatures
2.	Were the activities done as scheduled?		For verification	
	<ul style="list-style-type: none"> ➤ Data gathering as basis for the design of the machine (Sep – Nov 2020) ➤ Design of the machine (Sep – Nov 2020) ➤ Fabrication of the machine (Sep – Nov 2020) ➤ Prototype testing (Dec 2020 – Feb 2021) ➤ Evaluation of the machine (Mar – May 2021) ➤ Submission of terminal report (Mar – May 2021) 			<ul style="list-style-type: none"> ➤ Documents showing the period when the different activities were accomplished; include photos as part of the documentation



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	➤ Presentation to in-house review (Jun 2021)				
3.	Were the data gathered systematically?			For verification	
	➤ Design parameters ➤ Prototype tests parameters			➤ No specific design parameters to be gathered ➤ No evaluation criteria on the performance of the machine developed	➤ Technical data incorporated in the original design of the device ➤ Proposed original design plan of the device ➤ Data from the respondents wherein the modifications on the machine were based ➤ Modified design plan of the device ➤ Test data regarding evaluation of the fabricated device
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? ➤ Sampling design ➤ Number of replications ➤ Statistical analysis ➤ methods			For verification	
				➤ No specific research design stated in the proposal ➤ Data analysis procedures were not stated in the proposal ➤ Methodology did not discuss how the machine will be constructed and evaluated	➤ Procedures and methodologies followed from the initial up to the final stages of the project duration



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7.	Were the equipment/supplies purchased following the approved work and resource plan and budget?			For verification	
	<ul style="list-style-type: none"> ➤ Electrical components of the device ➤ Machine components of the device ➤ Design and development 			➤ PhP33,000.00 released as of March 2021	➤ Schedules and proofs of the procurements done relative to the equipment and supplies stated in the proposal
8.	Were the project outputs accomplished?			For verification	
	<ul style="list-style-type: none"> ➤ Fabricated device ➤ Evaluation results ➤ Terminal report ➤ Presentation in in-house review 				➤ Documents showing that the expected outputs stated were accomplished
9.	Were there modifications made in any aspect of the project?			For verification	➤ Attach narrative report, duly approved by the relevant authorities, if there were modifications in the project
10.	What was the percentage of project accomplishment?			For verification	
11.	Suggestions to address the problem(s) encountered				

Evaluated by:


ARTEMIO RAJIE M. VILLENAS

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Amalia E. Almazol

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Aprilette C. Devanadera

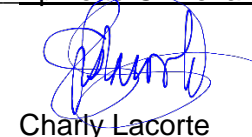
Aprilette C. Devanadera


Carl Monterey

Carl Monterey


Editha E. de Jesus

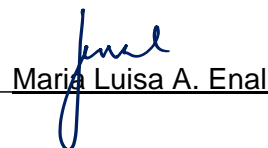
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