



## **Innovation, Creation, Invention, and Outreach Laboratory**

### **RESEARCH GRANT FOR TEACHERS**

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#### **Rationale**

The Dr. Mariano C. Lao Innovation, Creation, and Invention Laboratory was founded to create a new learning environment at Silliman University and within the community. Its main purpose is to foster innovation, creation, invention, and community outreach, particularly focusing on technology-oriented projects. The lab will serve multiple functions, as a classroom, an extension facility for teachers, a service-learning hub, a space for robotics clubs, a recreational area, and more importantly, a mini-incubator for would-be entrepreneurs. As a mini-incubator, it offers a platform for individuals with ideas and prototype products to collaborate with business experts and investors to explore the potential for commercialization. It's an open space for various activities such as research and development, capstone projects, and technology-focused initiatives for students, teachers, and lifelong learners.

The Research and Capstone Grant for Students was established in 2017 to further support its mission. This grant aims to align with the laboratory's vision by providing financial assistance and resources to students pursuing research and capstone projects. In an effort to expand its impact and provide additional opportunities, the grant will now also be extended to faculty members of Silliman University. This extension helps advance the laboratory's goals and offers professional development opportunities for junior faculty researchers. This grant is anchored on the existing policies and guidelines of the Faculty Development Grant for Research of the Research and Innovation Office<sup>1</sup>.

#### **Scope**

The Research Grant for Teachers is a competitive scholarship offering up to Php100,000.00 for a maximum of 2 years. Its primary goal is to encourage the development of fresh and inventive concepts with entrepreneurial potential. Additionally, it aims to facilitate publication opportunities for the recipients. Through this grant, teachers can collaborate, brainstorm, and experiment with new ideas, fostering an environment of innovation and active learning.

#### **Grant Eligibility**

1. The grant is open to all regular faculty members of Silliman University.
2. Research teams may consist of up to 5 members. Collaborations from other institutions are allowed. Each team member must receive endorsement from their respective deans/heads.
3. Proposals must address technology-oriented research and development that aims to:
  - a. improve the livelihoods of fisherfolks and farmers;
  - b. Innovate teaching and learning methods;
  - c. promote responsible use of digital technologies;

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<sup>1</sup> Retrieved from <https://su.edu.ph/academics/research-development-center/#1503297387705-f2364137-1864>



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- d. combat misinformation, disinformation, and mal-information on social media;
  - e. support the development of start-up businesses.
4. Projects with entrepreneurial potential will receive favorable consideration.
5. The grant covers operational expenses such as supplies, communication, training, transportation, and travel, as well as materials and equipment. A budget for filing intellectual property (IP) and trademarks may be included. Honoraria and tokens for the grantees should not exceed 20% of the total budget. All expenditures must be properly accounted for through the Business and Finance Office. Funds will be release in tranches with a signed agreement to return the released funds if the project is not completed.
6. All proposals must include a plan to produce at least one publishable article, along with a declaration of the targeted journal for publication.
7. Applicants must adhere to the policies and conditions established by the Research and Innovation Office<sup>2</sup> for the awarding of faculty development grants for research (See Appendix A).
8. Applicants must adhere to the proposal template of the grant (See Appendix B).
9. If any product resulting from this grant demonstrates commercialization potential, it will be referred to the Technology Business Incubator (TBI) for potential incubation.

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<sup>2</sup> MANUAL OF RESEARCH POLICIES AND PROCEDURES, retrieved at <https://su.edu.ph/academics/research-development-center/#1503297387705-f2364137-1864>



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**Appendix A. Policies and Conditions <sup>3</sup>**

The following policies and conditions have to be observed in the approval of research proposals submitted by the faculty of Silliman University through the Faculty Development Grant for Research:

1. Silliman University, through the Innovation, Creation, and Invention Laboratory of the Dr. Mariano C. Lao Global Studies Center, shall fund the approved research proposal, with an initial release of 50 percent of the total budget in the form of cash advance, which will be taken from the Dr. Mariano C. Lao Research Grant. However, a researcher as a principal proponent can only avail of a grant once to allow other faculty.
2. The approved research project has not been conducted or funded by another source as indicated in the proposal when it was submitted for review.
3. The researcher is required to secure all necessary permissions for any part of the proposal (such as the research instrument, photos, or secondary data sets) whose copyright is owned by someone else, as well as to pay any fees that may be involved in the use of these materials.
4. The research has to be conducted according to the methods stated in the approved proposal. It has to be completed within the designated period, which starts upon the release of 50 percent of the requested budget. The Research Director, through the Dr. Mariano C. Lao Global Studies Center (GSC) Director, has to be notified in writing the reasons for any modifications in the method of conducting the study after the funds have been released.
5. The researcher is required to submit a midterm report of the project's status to the Research Director through the GSC Director in writing to monitor its progress. An extension of the project may be granted based on the reasons stated in the researcher's written request.
6. Upon completion of the research project, the researcher is expected to make an oral public presentation, which will be co-sponsored by the Laboratory. A panel of reviewers will be assigned to comment and offer suggestions to improve the paper.
7. The researcher should revise the paper according to the comments and suggestions during the oral presentation and submit the final paper in an article format according to the specifications or requirements of a chosen refereed journal. The researcher can decide to which refereed journal the article will be submitted to for publication.
8. The researcher must acknowledge in the article the Faculty Development Grant for Research of Silliman University through the Innovation, Creation, and Invention Laboratory of Dr. Mariano C. Lao Global Studies Center as the source of the research fund.

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<sup>3</sup> Adopted from the Format Of A Proposal for Faculty Development Grant set by the Research and Innovation Office.



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**Appendix B. Proposal Format**

**I. General Information**

<b>Name of the Project Leader</b>	Enter complete name here		
<b>Department</b>	Enter department here		
<b>Mobile Number</b>	+63 987 65 43 210)		
<b>Email</b>	Enter SU email address here		
<b>Name of the Members</b>	Enter of Member 1 (Last Name, First Name, MI)	<b>Department</b>	Enter department here
	Enter of Member 2 (Last Name, First Name, MI) *add additional row if necessary	<b>Department</b>	Enter department here

**II. Project Proposal Information**

<b>Problem Domain</b>	<input type="checkbox"/> improvement of the livelihoods of fisherfolks and farmers; <input type="checkbox"/> Innovation in teaching and learning methods; <input type="checkbox"/> promotion of responsible use of digital technologies; <input type="checkbox"/> combating misinformation, disinformation, and mal-information on social media; <input type="checkbox"/> supporting the development of start-up businesses.
<b>Project Title</b>	Enter project title here
<b>Introduction</b>	Please include in this section: 1. Background information relating to the proposal 2. The problem, limitations, challenges, gaps 3. Opportunities that may be opened of your proposal 4. Expected transformations or effects of the implementation of the project 5. Relevance or significance of the results



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<b>Research problem or objectives</b>	
<b>Review of related literature</b>	should show what has been written about the topic and what need to validate or gaps to reconcile, be formatted in such a way that it presents theoretical perspective or argument of the study, also put conceptual framework, if necessary)
<b>Entrepreneurial-Value</b>	Discuss here any entrepreneurial or commercialization opportunities or plan of your proposal (if any)
<b>Methods</b>	<p>depending on what is appropriate to the kind of study proposed: research design, setting and respondents/clients or materials, sampling procedure, research instrument, data collection procedure, data analysis procedure</p> <p>In Action Research Design, it's essential to test the effectiveness of the intervention or technology being implemented. This testing process is a necessary requirement and often leads to a publishable manuscript. Additionally, quasi-experimental methods can be employed to evaluate the technology's efficacy. For instance, one could assess the social acceptability of a technology through this approach.</p>
<b>Expected outcomes</b>	should demonstrate how this research project has contributions or relevance to faith enhancement, classroom instruction and extension works or service-learning
<b>Targeted Journal for Publication</b>	State the name of the journal



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**III. Schedule of Activities**

Provide a **Gantt Chart** presenting the schedule of activities for the proposed project

**IV. Proposed Budget**

*(Provide additional sheets if necessary, maximum of Php 100,000.00)*

Items/Particulars	Counterpart Support (if applicable)	Amount
Enter expenditure here	Enter amount (item)here	Enter amount here
<b>Total</b>	Enter total here	Enter total here
<b>Total amount requested</b>		Enter total here



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**SUBMITTED BY:**

**x** \_\_\_\_\_

*(Signature over printed name of project leader)*

Date:

**ENDORSED BY:**

**x** \_\_\_\_\_

*(Signature over printed name of Dean/Director)*

Date:

\_\_\_\_\_  
**Attachment:**

1. CV of the proponents (1 page per proponent only)

**Instruction for Application:**

1. Fill-out this form and have this signed by the required signatories;
2. Submit 1 copy to  
Research and Innovation Office  
through the  
the Dr. Mariano C. Lao Global Studies Center
3. Review period is approximately 1 month. Notifications will be announced via email.

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