



Republic of the Philippines
POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
Office of the Vice President for Academic Affairs
College of Computer and Information Sciences

DTS #:

October 23, 2023

Dr. ANNA RUBY P. GAPASIN
Vice President for Research, Extension, and Development

Dear Dr. Gapasin,

I am writing to submit my formal Letter of Intent to request ethical clearance for my research project, titled "GROUNDS FOR GROWTH: Empowering Sustainable Agriculture Through a Coffee Ground Exchange Platform". This study aims to provide an effective platform for managing the donation of spent coffee grounds, providing a service that exchanges coffee grounds as a new product instead of waste, which will align in promoting sustainability, community fostering engagement and using spent coffee grounds as a valuable resource for compost in agriculture.

To ensure the highest ethical standards are maintained throughout the research process, I am seeking approval from the Institutional Review Board at the College of Computer Information Sciences.

I further attest that upon approval, I will abide by all existing rules and regulations set by the university.

Respectfully,

Sophia P. Cueto

Researcher/Applicant's Name and Signature

Renz Micko C. Camato

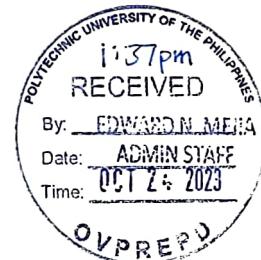
Researcher/Applicant's Name and Signature

Jon Steven D. Dela Paz

Researcher/Applicant's Name and Signature

Clint Edward V. Gelia

Researcher/Applicant's Name and Signature



2nd Floor South Wing, PUP A. Mabini Campus, Anonas Street, Sta. Mesa, Manila 1016
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CERTIFICATE NUMBER: SCP000413Q



Republic of the Philippines

POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Office of the Vice President for Academic Affairs

College of Computer and Information Sciences

DTS #:

Noted by:

Ms. Janelle Myra A. Sagum, MIS
Adviser

Endorsed by:

Dr. Benilda Leonor V. Comendador
Dean/Director/Principal

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CERTIFICATE NUMBER: SCP0004130

**PUP-UNIVERSITY RESEARCH ETHICS CENTER****APPLICATION FOR ETHICS REVIEW OF A
NEW PROTOCOL**

UREC Form No.

9

Version No.

1

Instructions to the Researcher: Please accomplish this form and ensure that you have included in your submission the documents that you checked in Section 2 (Checklist of Documents).

1. General Information			
*Title of Study	Grounds for Growth: Empowering Sustainable Agriculture Through a Coffee Ground Exchange Platform		
*UREC Code/REC Panel Code (To be provided by UREC/REC)		*Study Site	Quezon City
*Name of Researcher	1. Renz Micko C. Camato 2. Sophia P. Cueto 3. Jan Steven D. Dela Paz 4. Clint Edward V. Gelia	Contact Information	*Tel No: N/A
*Name of Co-researcher/s (if any)			*Mobile No: 1. 09306119784 2. 09178936065 3. 09954339217 4. 09050454913 *Email: 1.rmccamato@iskolarngbayan.pup.edu.ph 2.spcueto@iskolarngbayan.pup.edu.ph 3.jsddelapaz@iskolarngbayan.pup.edu.ph 4.kevgelia@iskolarngbayan.pup.edu.ph
*Institution/College/Department	Polytechnic University of the Philippines – Sta. Mesa Manila College of Computer Information Sciences		
*Address of Institution	379 Pureza, Sta. Mesa, Maynila, 1008 Kalakhang Maynila		
*Field of Study (Please check one)	<input type="checkbox"/> Education <input checked="" type="checkbox"/> Computer Science Information Systems, and Technology <input type="checkbox"/> Engineering, Architecture, and Design <input type="checkbox"/> Humanities, Language, and Communication <input type="checkbox"/> Business <input type="checkbox"/> Social Sciences <input type="checkbox"/> Science, Mathematics, and Statistics		
*Source of Funding (Please check one)	<input checked="" type="checkbox"/> Self-funded <input type="checkbox"/> Government-funded <input type="checkbox"/> Scholarship/Research Grant <input type="checkbox"/> Institution-funded <input type="checkbox"/> Sponsored by a Pharmaceutical Company <input type="checkbox"/> Others		



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*Duration of the Study:	Start Date: August 2023	End Date: March 2024	No. of Participants: 4
2. Checklist of Documents			
Basic Requirements:	<input checked="" type="checkbox"/> Study Protocol	Supplementary Requirements:	<input type="checkbox"/> Co-authorship Agreement (For multiple Authorship)
	Informed Consent Form <input checked="" type="checkbox"/> English version <input type="checkbox"/> Filipino Version		<input type="checkbox"/> Notice to Proceed/ Ethical Clearance (For external researchers or Non-PUPian)
	Assent Form (If applicable) <input type="checkbox"/> English version <input type="checkbox"/> Filipino Version		<input type="checkbox"/> Others (Please specify)
	<input checked="" type="checkbox"/> Research Questionnaire		
To be filled out by the applicant		To be filled out by the Immediate Supervisor	
Accomplished by: As the researcher of this study, I hereby confirm that the information stated above is true. I understand that my study protocol shall be reviewed by the UREC/REC, and I shall abide by the rules and regulations set forth by the Polytechnic University of the Philippines.		Endorsed by: As the Research Adviser/Program Chair/ Dean, I hereby confirm that I have read this application and confirm to supervise the conduct of this study. Further, I confirm that the ethical standards set by the University shall be followed.	
October 23, 2023 Date	 Renz Micko C. Camato Signature over Printed Name of Researcher Sophie P. Cueto Signature over Printed Name of Researcher Jan Steven D. Dela Paz Signature over Printed Name of Researcher KEV Gelia	October 23, 2023 Date	 Janele Kyrta A. Cabun Signature over Printed Name of the Immediate Supervisor

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	Klnt Edward V. Gella Signature over Printed Name of Researcher		
To be filled out by the UREC			
Completeness of Document	<input type="checkbox"/> Complete <input type="checkbox"/> Incomplete	Remarks:	
Received by:			
Date Received:			
Approved for Ethical Review			
Date	Research Management Office - Research Ethics Center		

**PUP-UNIVERSITY RESEARCH ETHICS CENTER****Study Protocol /
Research Protocol**

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(1) Program / Project Title

GROUND FOR GROWTH: Empowering Sustainable Agriculture Through a Coffee Ground Exchange Platform

(2) Program/Project Proponent

1. Renz Micko C. Camato
2. Sophia P. Cueto
3. Jan Steven D. Dela Paz
4. Clint Edward V. Gelia

(3) Program/Project Co-proponent and Research Assistant/s

Polytechnic University of the Philippines – Sta. Mesa, Manila

(4) Program/Project Proponent's Department/College/Office

College of Computer Information and Sciences

(5) Background and Significance

Over 2.25 billion cups of coffee are consumed every day worldwide, making coffee consumption a crucial aspect of modern-day living. An estimated of about 250,000 metric tons of coffee grounds end up in landfills every year. Based on a statistical report, (Philippines: Coffee Consumption 2021 | Statista, 2021) the Philippines terms of coffee consumption numbers an approximate of 3.3 million 60-kilogram bags in the years 2020-2021.

The researchers saw the opportunity to create a coffee grounds donation system, which provides an easier way to redistribute SCGs for people with recycling and reusing intentions, the research serves to address and prevent said potential resources from ending up in landfills while simultaneously fostering a healthy local economy.

(6) Objectives

General Objective: The main objective of this capstone project is to provide an effective platform for managing the donation of spent coffee grounds, providing a service that exchanges coffee grounds as a new product instead of waste, which will align in promoting sustainability, community fostering engagement, and using spent coffee grounds as a valuable resource for compost in agriculture.

Specific Objective:

1. To design an intuitive user experience interface for both donation and e-commerce functionality.
2. To integrate effective data management techniques in handling user information and transactional data.
3. To develop a system that will provide its users coffee ground listing and searching functionalities, which will allow users to list their coffee grounds for donation, which will include details such as quantity, location, and information.
4. To promote and contribute to the exploration of innovative SCG recycling strategies and applications in order to increase overall sustainability.
5. To provide its users with information on how to properly manage these coffee grounds they plan on collecting as well as to educate the users about the reusability of coffee grounds.

(7) Materials and Methods



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Study Design

- The researchers will be selecting coffee shops that are willing to participate. The researchers will have the chosen coffee shops sign a Memorandum of Agreement (MOA) that includes details like the parties involved, the purpose of the agreement, specific responsibilities, and obligations of the participant.
- For the admin side, the researchers have chosen and decided during the start of the study that the client will be evaluating the admin interface of the system.
- The capstone will be using a survey questionnaire that is based on the ISO 9126-1 standards for the evaluation of the system. The researchers will be distributing the survey with the use of Google Forms.
- The researchers aim to help minimize the waste produced by spent coffee grounds by recycling and converting them to eco-friendly fertilizer.

Study Population

- The Coffee Ground Exchange Platform's respondents are the chosen coffee shops. The university will be held liable for all data given by the users which are the graduating students and alumni since they release an official list of graduating candidates annually.

Assessment of Resources

- The researchers ensure that the study satisfies the data population and operability. The members of the study assured us that participants would only come from the chosen coffee shops. Furthermore, the researchers have been provided guidance to complete the project efficiently.

D. Study Procedures

Plans for Recruitment

- Gathering of data will be processed using Google Forms. The survey will be used as a tool to evaluate the quality of the system based on the ISO 9126-1 standards.
- Data confidentiality is also ensured to the participants with the Data Privacy Act of 2012, also known as the Republic Act of 10173.

E. Data Collection

- In this study, information about the research participants will be gathered using an online survey for evaluating the system.

F. Data Analysis

• Sample Size Considerations

- The researchers will be selecting the participants of the study. The researchers will be selecting coffee shops that meet the inclusion criteria of the study.
- The researchers will also choose a client that meets the standards of the study. Furthermore, they will be evaluating the admin interface of the system.

• Statistical Methodology

- The data collected will be analyzed using an appropriate statistical method for a better understanding of the results. Additionally, the researchers will be collecting the scores from the Likert scale by calculating them with the use of arithmetic mean to collect the average score from the answers of the participants.

(8) Safety and Monitoring Plan (if applicable)



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Upon assessment, the data provided by the participants will be gathered and kept in a storage provided by Google. The data will remain in the storage only until the completion of the study after which, it will be deleted. Upon the conclusion of the study the deleted data will be permanently removed from the Google Cloud Storage

(9) Limitations

The study limitation is the challenge of gathering the appropriate number of people to take part in the research.

(10) Ethical Considerations

A. Informed Consent (Applies to studies using human subjects)

The procedure of collecting the participant's informed consent will be conducted using Google Forms as the data collection tool. The participants will be asked if they desire to agree or disagree with the data privacy notice of the research before moving on to complete the questionnaires. In line with the Data Privacy Act of 2012, participants of this study are free to choose to participate or withdraw without any obligation.

B. Risks and Side Effects (Applies to studies using human subjects)

Upon completion of the requirements, the researchers will submit a request an ethical clearance from the committee to secure the participants' data confidentiality and privacy.

C. Benefits to Subjects (Applies to studies using human subjects)

The benefit of this study for the research participants is to educate them on the proper waste management in spent coffee grounds. This will also help produce a better environment by knowing the proper use and ways on how to recycle spent coffee grounds.

D. Costs to Subject (Applies to studies using human subjects)

Participation in this study is free, no payment is necessary upon conducting.

E. Compensation to Subject (Applies to studies using human subjects)

Participants will not be given any monetary rewards.

F. Provisions for vulnerable subjects (Applies to studies using human subjects)

There may be vulnerable study participants however, the researchers ensure that all obtained data will be kept confidential and shared only with the study's proponents and participants.

G. Subject Privacy and Data Confidentiality (Applies to studies using human subjects)

1. Privacy of Participants This study along with its researchers will comply with the Data Privacy Act of 2012, referred to as the Republic Act No. 10173. The researchers will maintain confidentiality regarding both the respondents' personal information and privacy.

2. Confidentiality of Data The survey is open via Google Forms. In order to preserve the rights and confidentiality of the respondents. The data that was collected from the respondents will be kept confidential and will only be disclosed to the researchers, the administrator, and the participant until the study is finished.

2. Plan for Record Retention and Disposal The data submitted by the respondents will remain at Google Cloud Storage for as long as the study is still ongoing. After completion, the data collected will be completely removed permanently from the Google-provided cloud storage.

3. Limits to Confidentiality

- Participants may be given the option to partake or decline in this study. This allows the participants to freely choose according to their decision

(11) Plan for Dissemination of Findings

S423, 4th Floor South Wing, PUP A. Mabini Campus, Anonas Street, Sta. Mesa, Manila 1016

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The primary objective of the study is to meet the objectives for the Capstone Project at the Polytechnic University of the Philippines

(12) References

Philippines: coffee consumption 2021 | Statista. (2021). Statista; Statista. Retrieved Sept 1, 2023 from: <https://www.statista.com/statistics/314989/phillippines-total-coffee-consumption/>.

(13) Appendices

- Curriculum Vitae
- Survey questionnaire

Signature	(14) Prepared by	(15) Endorsed by
Name of proponent	Sophia P. Cuelo	Ms. Janelle Syra A. Sagum, MIS
Designation/position	Team Leader	Faculty-in-Charge
Date	October 23, 2023	October 23, 2023



CONTACT

📞 +63 917 893 6065

✉️ cuetosophia@gmail.com

📍 Quezon City, Metro Manila,
Philippines

EDUCATION

Bachelor of Science in Information Technology

- Polytechnic University of the Philippines
2022-2024

Diploma in Information Communication Technology

- Polytechnic University of the Philippines
2022-2024

SKILLS

- HTML, CSS, and Javascript
- Adobe Photoshop
- Adobe Illustrator
- Adobe InDesign
- Adobe XD
- Figma
- Prototyping

Sophia Cueto

Multimedia Designer

PROFILE

I'm dedicated to blending technology and creativity. My enthusiasm for design is fueled by a desire to create visually captivating solutions that make a lasting impact. Through my academic pursuits and entrepreneurial journey, I've honed my skills in multimedia design, aiming to push the boundaries of innovation. I believe in the power of technology to transform ideas into reality and am committed to continuous learning and growth in both my academic and professional endeavors. My goal is to contribute my skills and entrepreneurial spirit to meaningful projects and collaborations that inspire and drive positive change.

EXPERIENCE

Business Owner Operator

- Eudaimonia Company
Feb 2021 - Present

As the sole proprietor of Eudaimonia Co., I founded and managed a business specializing in organic, natural soy candles infused with essential oils. In this role, I oversaw all aspects of the business, from product curation and handcrafted production to marketing, quality assurance, and customer engagement. My commitment to sustainability and well-being drove the brand's growth and success.

Freelance Designer

- May 2022 - Present

I work as a freelance designer, providing services to multiple clients. I operate independently and do not have a permanent company affiliation, allowing me to work on a diverse range of projects for different organizations.

LANGUAGES

Filipino	• • • • •
English	• • • •
Chinese	• • •

RENZ MICKO C. CAMATO

GRAPHIC & WEB DESIGNER

(63) 930 611 0784
camatorenz@gmail.com
Blk 22 Lot 10 EP Housing Phase 2
Baragay Pinagsama , Taguig City

MY PROFILE



dedicated to knowledge acquisition, information technology skill development, and teamwork. Working autonomously with little supervision and collaborating with others on team tasks, self-directed and enthusiastic individuals who excel in autonomous and collaborative contexts.

EDUCATION

- DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

Polytechnic University of the Philippines

- Sta. Mesa, Manila

2019-2022

- BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Polytechnic University of the Philippines

- Sta. Mesa, Manila

2022 - Current

WORK EXPERIENCE

Sutherland / October 2018 / IT SUPPORT (GTI DEPARTMENT)

Had basic experience on programming and Troubleshooting hardware issues.

RECOGNITION AND AWARDS

- President's Lister

School Year 2020-2021

School Year 2021-2022

School Year 2022-2023

PRO & PERSONAL SKILLS

HTML / CSS / JS / Jquery / React JS / Adobe Premier / Graphic Design





JAN STEVEN DELA PAZ

+(63)995-433-9217

delapaz.jansteven0@gmail.com

Marikina City, Philippines

ABOUT ME

Committed to continual knowledge acquisition and the development of information technology skills. Proficient at working both independently with minimal supervision and collaboratively within a team environment. A self-motivated and enthusiastic individual who thrives in autonomous and cooperative settings.

EDUCATION

Bachelor of Science in Information Technology

Polytechnic University of the Philippines

2022-2023

Diploma in Information and Communication Technology

Polytechnic University of the Philippines

2019-2022

WORK EXPERIENCE

Stream Operator

- Add good quality source video to live stream in the platform.
- Continuously monitored the live stream during matches and events to ensure high video and audio quality, troubleshooting technical issues in real-time.
- Conducted quality control checks before, during, and after streaming to guarantee the highest possible streaming quality and minimize disruptions.

Melham Construction Corporation

UI/UX Designer

- Created intuitive, responsive UI/UX for Delivery mobile using tools like Figma.
- Conducted user research, usability testing, and applied findings to improve designs.
- Worked closely with cross-functional teams to refine designs and ensure alignment with project goals.
- Interacted with clients to understand their requirements, present design concepts, and gather feedback for continuous improvement.

EXPERTISE

Web Design

Javascript

HTML CSS

COMPUTER SKILLS

COMMUNICATION SKILLS

LANGUAGE

English

Filipino



Klnt Edward V. Gelia

0905 045 4913

Rizal, Philippines

klint.gelia2@gmail.com

PROGRAMMING LANGUAGE PROFICIENCIES

- C#
- C++
- Python
- Java
- COBOL
- HTML and PHP

EDUCATION

Bachelor of Science in Information Technology

Polytechnic University of the Philippines

2018-Present

Electives

- Data Mining
- Project Management

Senior Highschool

Angono Private Highschool

2012-2018

Extra-Curricular Activities

- Short Film Director
- Lead Animator
- Research Head

PROJECT EXPERIENCES

Mini E-commerce Website

- Full Stack Developer
- Utilized HTML, PHP, MySQL, JavaScript, and Bootstrap Framework

Inhouse Scheduling System

- Project Manager
- UI/UX Designer

GENERAL SKILLS

- Web Development
- Project Management
- Microsoft Tool Manipulation

SURVEY QUESTIONS (USER)

FUNCTIONAL SUSTAINABILITY

1. The website offers donation and ecommerce pages that are easy to find and accessible to the user.
2. The website provides me well-organized and comprehensive information.
3. The user interface of Grounds for Growth allows me to effectively control the website.
4. I experienced no errors or issues while using the website. (Login and Logout, donating coffee grounds on the donation page form, viewing and buying coffee ground fertilizer)
5. The website permits me to edit and update my credentials (password, profile info, etc.)

PERFORMANCE EFFICIENCY

1. As I navigate through different pages of the website, it does not have a slow running time and displays the information from the website swiftly.
2. The website provides different categories for me to use in the application pages (Donation and Order forms)
3. The Grounds for Growth website utilized resources through the internet to help me access the information needed for my user account (e.g. Hosting site, Cloud Storage, API).
4. I can donate or order multiple quantities on the website.

COMPATIBILITY

1. The home page of the website is functional and displays every information that is needed for the user.
2. The website functions well in both browsers for computers, tablets, and mobile phones.

USABILITY

- The Grounds of Growth website is easy to understand and locate the links that I want to visit from the menu and navigation bar easily.
2. The website can display an error message and tooltip for a better understanding of the website.
 3. The website gives me a pleasing and presentable interface.
 4. I can access the website anytime I want.
 5. It did not take me a long time to understand how the website works.

RELIABILITY

1. The website provides understandable, accurate, and brief information about me.
2. The website provides latest updates in the home page can be used as a reliable source for future donation and environmental protection.
3. The website promotes environmental sustainability with fellow cafe owners.

SECURITY

1. The website provides the security and privacy I need in order to not leak any information about me (secured from data breach).
2. The website only allows registered users to access their profile and its other functionalities of the website.

MAINTAINABILITY

1. Whenever I locate and go through different pages of the Grounds for Growth website, the functions such as links, buttons, and navigation bar remain the same and are not affected by it.
2. The website grants me the capability to access my information anytime it's needed.
3. The website assures modifying and updating information on our profile will not cause any error or harm to the website.

PORTABILITY

1. The website works in browsers for computers, tablets, and mobile phones.
2. The website can use a shortcut feature that can be added to the home screen and menu icons depending on the version of any mobile phone for easier access.
3. I can explore the Grounds for Growth Website freely without significant changes when using different operating systems.

SURVEY QUESTIONS (ADMIN)

FUNCTIONAL SUSTAINABILITY

1. The website authorizes me to update, delete, and add products and content on the ecommerce page.
2. The website grants me the chance to update and manage all reports on the website.
3. The website permits me to edit, access, and view the credentials of my profile page.

PERFORMANCE EFFICIENCY

1. The website loading time is sufficient for my request.
2. The website displays real-time accurate data provided by the users.
3. The website is constantly providing reports for the donation system.

COMPATIBILITY

1. The updates and contents posted by the admin are immediately displayed on the e-commerce page of the website.
2. The website functionality does not overlap between users and admins.
3. The website is functioning well in both browsers for computers, tablets, and mobile devices.

USABILITY

1. The website is easy to explore, navigate, and manage.
2. The interface of the website is simple and comprehensive.
3. The website can display prompt messages for a better understanding of the website.

RELIABILITY

1. The website can recover data and information when unexpected interruptions occur.
2. The website ensures the confidentiality of the provided data.
3. The website assures resilience of sudden intrusion.

SECURITY

1. The website only gives authorization to view, edit, and access the provided data of the admin.
2. The website provides protection and privacy required to ensure that no personal information about the admin is leaked.

MAINTAINABILITY

1. The website can implement necessary updates or modifications.
2. The website can determine any cause of failure or parts that need to be updated.
3. The website ensures the minimal effect of updates from one feature to another.

PORTABILITY

1. The website is versatile to any scale of monitor or screen.
2. The website can adapt to changes to its interface in any web browser.
3. I can explore the Grounds for Growth website freely without significant changes when using different operating systems.

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Title of the Research Study	GROUND FOR GROWTH: Empowering Sustainable Agriculture Through a Coffee Ground Exchange Platform
Researcher/s	1. Sophia P. Cueto 2. Renz Micko C. Camato 3. Jan Steven D. Dela Paz 4. Clint Edward V. Gelia
Contact Information of the Researcher/s	
Cellphone number	1. 09178936065 2. 09306119784 3. 09954339217 4. 09050454913
Email address	1.rmccamato@iskolangbayan.pup.edu.ph 2.spcueto@iskolangbayan.pup.edu.ph 3.jsddelapaz@iskolangbayan.pup.edu.ph 4.kevgelia@iskolangbayan.pup.edu.ph
Background	As part of the research project entitled "GROUND FOR GROWTH: Empowering Sustainable Agriculture Through a Coffee Ground Exchange Platform", you are invited to participate in evaluating the overall functionality and design of the system, since you fit the inclusion criteria for the participants of our study.
Purpose of the Study	The main objective of this capstone project is to provide an effective platform for managing the donation of spent coffee grounds, providing a service that exchanges coffee grounds as a new product instead of waste, which will align in promoting sustainability, community fostering engagement and using spent coffee grounds as a valuable resource for compost in agriculture.
Procedures of the Study	If you agree to take part in this study, you will be asked to do the following: Use and navigate the system and answer the survey questionnaire which you can finish in less than 30 minutes.
Benefits	There are no known direct benefits of participating in the study
Risks	There are no risks in the study as the participants may have the right to decline to answer or partake in the involvement of the study. A student researcher may be of assistance to any concerns or questions prior to the study.
Cost of Participation	Neither before nor after finishing the research article and system development, the study's authors incurred no costs
Payment or Remuneration	The people willing to partake in this research project will not receive any payments.
Confidentiality	The proponents of this study ensure that only essential personnel such as research advisors, panelists, and researchers of this study have access to the data they collect. All the Data Gathered will be kept confidential and will only be used for academic purposes.
Voluntary Participation	Participants can choose whether to decline or take part in the study. Participants will not face any penalties or beneficial loss should they reject being involved in the research study.

Contact Information:

S423, 4th Floor South Wing, PUP A. Mabini Campus, Anonas Street, Sta. Mesa, Manila 1016
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If you have questions about this research study, or you experience adverse effects as a result of participating in this study, you may contact the researcher/s whose contact information is provided on the first page.

The plan for this research study has been reviewed by the PUP Research Ethics Committee (PUP-REC). If you have questions regarding your rights as a research participant, or if problems arise that you do not feel you can discuss with the researcher/s, please call us at (02) 5335-1787 local 235.

Consent Statement:

I have read and understood the provided information and have had the opportunity to ask questions. I understand that my participation is voluntary and that I am free to withdraw at any time, without giving a reason and without cost. I understand that I will be given a copy of this consent form. I voluntarily agree to take part in this study.

Sophia P. Cueto

Signature over Printed Name of Participant

October 23, 2023

Date

Renz Micko C. Camato

Signature over Printed Name of Researcher

October 23, 2023

Date

Jan Steven D. Dela Paz

Signature over Printed Name of Researcher

October 23, 2023

Date

Clint Edward V. Gelia

Signature over Printed Name of Researcher

October 23, 2023

Date