

INFORMED ASSENT FORM

Informed Assent Form for Student

This informed assent form is for Grade 11 students in sections STL11-2M and STL11-3M who are being invited to participate in the research:

TUGON: AI-POWERED TUTORING SYSTEM FOR GENERAL MATHEMATICS

INTRODUCTION

We are 4th year Bachelor of Science in Computer Science students from the College of Computer Studies and Systems (CCSS), University of the East. We are conducting research that aims to enhance student learning by looking into error reduction in problem solving in General Mathematics through the development of an AI-powered tutoring system that focuses on its feedback mechanism. The purpose of this study is to develop a working feedback system that is AI generated to see if students will use and adapt using this feedback.

Why are you being invited?

As a Grade 11 student who is currently studying, and learning General Mathematics , your participation, experience and opinion will be very valuable to our research. Through your use of the TUGON system, we would like to understand how students answer a multi-step solution, hints that positively lead you to the answer, and challenges those learning along the way. Your feedback and study will help improve the system or be adapted to other online learning sites so that it can benefit more students in the future.

Your Participation

If you agree to participate, you will be asked to:

- Participate in a Tugon system thesis pitch
 - Identify your Name, UE email, Student Number and Answer a short pretest and post test questions related to what you will learn in the system then answer a self-confidence rating.
 - Complete a survey about your thoughts about the system and self-confidence rating.
 - Allow your responses and progress data to be recorded for research purposes.
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Your Decision

Participation is your choice. You may decide to take part or not. Even if you agree now, you can stop at any time without penalty. Your school grades will not be affected by your decision.

Confidentiality

All information collected will be kept private and used only for research purposes. Your name, contact details and identity will not be shared in reports or presentations.

Benefits

By participating, you can help improve the development of AI-powered tutoring systems that make mathematics learning easier and more engaging for students like you.

Questions

If you have any questions now or later, you can ask or contact any of my team members. We are happy to explain anything you are unsure about.

Researcher	Email Address	Mobile Number
Aquino, John Raven S.	aquino.johnraven@ue.edu.ph	09277718677
Cruz, Manuell Terenz D.	cruz.manuellterenz@ue.edu.ph	09959570275
Gundaya, Mervin Howel P.	gundaya.mervinhowel@ue.edu.ph	09455190510
Malonzo, John Lester M.	malonzo.johnlester@ue.edu.ph	09473413800
Saguid, Meann C.	saguid.meann@ue.edu.ph	09164400046

Certificate of Assent

I understand what this research is about _____.
I have read this information, and it has also been explained to me. I know I can ask questions now or later if I have any.

- ☐ I agree to take part in the research.
☐ I do not wish to take part in the research and have not signed the assent below.

Student Name: _____

Signature of Student: _____

Date: _____ (day/month/year)

Statement by Researcher

We confirm that we have read the assent form to the student, answered their questions, and ensured they freely and voluntarily agreed to participate.

Researchers:



Aquino, John Raven S.



Cruz, Manuel Terenz D.



Gundaya, Mervin Howel P.



Malonzo, John Lester M.



Saguid, Meann C.

For Research Team Use

- Copy of assent form provided to the participant: _____ (initialed by researcher)
- Parent/Guardian signed informed consent: _____ Yes _____ No (initialed by researcher)