#### FORM OF CONSENT INFORMED

#### INTRODUCTION AND PURPOSE OF STUDY

You have been asked to participate in this survey because you are enrolled in the subject of object-oriented programming in the Department of Computer Science at the University of the Armed Forces ESPE , this present study this managed a realize a research through a support tool based on gamification to increase motivation during the learning process . There will be approximately 123 total participants in this research.

1. **PROCESS**

If you agree to participate in this research activity, you will be asked to complete a survey to measure your perception of the skills and knowledge acquired in computer science classes. This survey will be distributed at the beginning of the semester in period 202251 Undergraduate S-II from November to December. Each survey will take approximately 10-15 minutes.

1. **RISKS**

Participation in this research activity may involve some risks or discomfort. These include a minimal risk of loss of confidentiality, we will take steps to reduce the risk. The information obtained during this research activity is eager to contribute to generalizable knowledge and as such is intended for publication. Whether you decide to participate or not, it will not affect your career position in the Department of Computer Science at the University of the Armed Forces ESPE

1. **BENEFITS**

Your participation in this research is not expected to be mandatory and does not result in any direct benefit to you. The researchers hope that the results of this survey will help determine if using a gamified tool will increase motivation and learning in the fundamentals of object-oriented programming. You can gain personal satisfaction from helping a student gain important professional skills. Researchers will learn about the analysis of skills and knowledge to measure the improvement of learning and motivation through software engineering, using gamification during the learning process.

1. **EXPLANATION AND OFFER**

To answer questions Nicolas Esteban Ortiz will explain this research activity and answer your questions. If you have other questions or problems related to the research, you can contact the student researcher, Nicolas Esteban Ortiz at (593) 0996268903 or neortiz1@espe.edu.ec and the Principal Investigator Eng. Jorge Edison Lascano, Phd at (593) 0961195050 or jelascano@espe.edu.ec

1. **PAYMENT/COMPENSATION**

There is no compensation for your participation in this research activity. There will be a drawing for two $25.00 gift cards per race among those surveyed. Voluntary nature of participation and right to withdraw without consequences Participation in this research activity is completely voluntary. You can refuse to participate or withdraw at any time without consequences. You may be removed from this study by the investigator without your consent if information is deemed incorrect, for example, student-provided course IDs.

1. **CONFIDENTIALITY**

Records of this research activity will be kept confidential, in accordance with the regulations that apply to the research. Only the people in charge of the experiment will have access to the data, which will be kept in a locked filing cabinet or encrypted computer account at the university to maintain confidentiality. To protect your privacy, personal and identifying information, such as your L00 number, will be removed from study documents and replaced with a study-specific identifier. The identification information will be stored separately from the data and will be maintained for the duration of the study, in the period 202251 Undergraduate S-II from November to December. All information will be destroyed in February 2023.

1. **ETHICS COMMITTEE**

Because the ethics committee has recently been formed at the university, the only entity in charge of analyzing this survey, on this research study. It is concluded that there is no restriction to be able to carry it out. If you have any questions or concerns about your rights or a research-related injury and wish to contact someone other than the research team, you may contact the Director of the Tcrn Ethics Committee. Gonzalo Pullas Tapia, Ph.D. at 0998443879 or gjpullas@espe.edu.ec for more information or to offer information.

1. **STUDENT STATEMENT**

“I certify that the research activity has been explained to the individual by me, and that the individual understands the nature and purpose, possible risks and benefits associated with participation in this research study. All the questions that have been raised have been answered.”

|  |  |
| --- | --- |
| Researchers | |
| Principal investigator | Student Researcher |
| Eng. Jorge Edison Lascano  Phone. (593) 0961195050  jelascano@espe.edu.ec | Nicolas Esteban Ortiz  Phone. (593) 0996268903  neortiz1@espe.edu.ec |

Thanks for your participation.