

# **Implementación, seguimiento y evaluación del sistema IntelliMetric como entrenador de escritura en lenguas inglesa y castellana**

## **Implementation, monitoring and evaluation of the IntelliMetric system as a writing coach in English and Spanish languages**

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### **Abstract**

Intelligent Metric is a software that has human-like capacity because this site solves writing problems, corrects texts and acts to achieve the expected objective. This program receives already prepared texts, processes them, verifies their writing, and responds automatically applying the learning in this way. Smart metrics are considered fundamental for the digital transformation since this software has meaningful characteristics as it helps university students to strengthen their writing skills, facilitate the writing of some text because through this software the student will be able to identify possible errors. related. with grammar and the way of writing in a language other than the native one. This program seeks to imitate human cognitive function through a processor with the aim of performing data processing and analysis tasks. In the same way, intelligent metrics can store information, identifying and understanding verbal commands on a certain topic to convert it into

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knowledge and implement it very quickly in daily human activity. This software is a technology applied to solving writing tasks. As it has already been indicated, intelligent metric seeks to improve written production in English as a foreign language and this paper will carry out this through the application of the Gamification pedagogical model; The modality of this research has been an Educational Innovation, since it is sought that through our software, we can strengthen writing skills and motivate students to write in English, the approach will be qualitative and practical action research design. which allows the participation of students following the phases of Gamification applied in the various learning sessions, taking into account what is related to gamification such as mechanical, dynamic and elements, in this way it seeks to motivate intrinsically and extrinsically. the student to use this software, putting in practice each of the stages of writing for the progressive improvement of the production of words, phrases, sentences and texts in writing. In this way, the aim is for students to improve their written production of English as a foreign language through gamification.

**Keywords:** Writing skills, Speaking Skills, Motivation, Gamification, Study Habits.

## **1. Introduction**

As students of the Bachelor in English is mandatory to have certain skills in terms of Writing, Speaking, Listening, Reading and Use of English. It is true that writing is improved when practiced on a daily based. The ways in which the objectives can be accomplished are as wide as the authors refer. For instance,

Haerazi & Irawan (2019) consider as a good strategy to evaluate problems inside the classroom and find out solutions using the language. Van Manen (1984) also states that writing can be promoted through the explanation of phenomenon for instance, late news or current events. Graham & Perin (2007) mention eleven strategies to improve writing and among them are summarization, which involves explicitly and systematically teaching students how to summarize texts, Collaborative Writing, which uses instructional arrangements in which adolescents work together to plan, draft, revise, and edit their compositions and writing for authentic audiences in specific situations such as role plays.

Rahmat (2020) considers a cycle of writing in which the first stage is prewriting which happens in some books, when people brainstorm ideas just before starting the process of writing. Then, it comes drafting which would be a first sketch to attempt for a file for instance, with a lot of mistakes. After that, revising in which the mistakes are fixed and finally editing and publishing which embark the latest version of the document.

When writing in any language the sentence structure would be the first aspect to consider because it is the simpler writing production then, the paragraph which consists of 4 or 5 lines all articulated in an opening sentence, two or three supporting sentences and the closing sentence. To finish a text will be published after combining several paragraphs under the same topic.

Grammar will be a highly aspect to bear in mind when teaching writing. The results from Allen *et al.* (2014) are unnecessary and grammatical errors do not demonstrate strong relationships with essay quality. The same cannot be said for

spelling and punctuation, which yield stronger relationships with judgments of writing quality.

Humans attend to make mistakes when assessing grammar and mechanics which would be repaired by Computer assistance or an Intellimetric use.

## **2. Methodology**

This qualitative research involves collecting and analyzing non-numerical data (e.g., text and audio) to gather and analyze the opinion of the English teachers who have been experiencing different ways of promoting English skills in the classroom. It is a participatory- action research where the researcher belongs to the PIE O78 from UNAD and has been involved in the process of gathering in-depth insights to generate new ideas.

## **3. Discussion and results**

Considering the interviews performed to teachers, it can be said that there is an agreement in the way that all skills are meant to be taught, although it seems to be two processes: the first one would be gathering the language and that includes learning grammar and vocabulary needed to communicate.

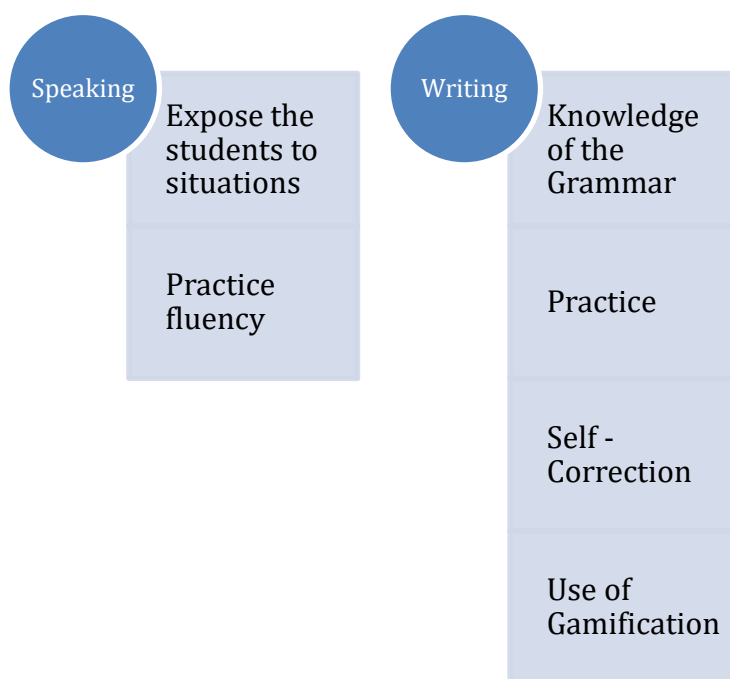
“It is an opportunity to be better so that skill must be leveled and reinforced in each class with [...] in order to practice [...]”

*Interviewer one.*

“[...] they haven’t produced the language and the most important thing is to produce the language [...]”

*Interviewer two.*

Among the four skills mentioned (listening, speaking, reading and writing) writing and speaking are skills to produce language and that is where the production occurs. In this graphic, there are two strategies to produce language:



*Figure 1. Ways to Improve Sills.* Note: Those are the elements gathered through the application of the Interviews (Annex 1).

In terms of practice, a language demands time and autonomy. It is mandatory creating schedules where the time is well invested, in order to achieve better results the student must take into account steps to have a good study habit such as first, stablish a schedule, then study, in the same period of time, effort will be required. Also create a study plan to set goals that want to achieve and organize the content that will be studied in the following days, moreover it is so important to rest so the brain so It can function properly, sleep between 7 and 8 hours and likewise it is also recommended to take short breaks to do exercise and others free activities,

furthermore study in an appropriate space with the right conditions, orderly, quiet and comfortable that allows to concentrate better. On the same way when studying it is preferable to reduce possible distractions, they can be mobile phones and television, also the material studied must be reviewed regularly so, the student must distribute the study sessions gradually, that will be able him to have a better learning process while trying to remember and review the topics previously studied. Finally, it is so important to use study techniques such as written, visual, auditory, between others.

#### **4. Annex**

##### ***Interview 05/07/2023***

[0:37 p. m., 9/9/2023] Edith: Is there any suggestion for people or for teachers who want to practice the four skills?

[0:37 p. m., 9/9/2023] Edith: Do you think that teachers teach all four skills at the same time or give emphasis to one of them?

##### ***Answers Interviewer Two***

"I believe that in order to have an excellent level of English it is necessary to be exposed to situations that allow us to begin to distinguish sounds and words, practice our fluency and pronunciation, acquire new vocabulary through reading, as well as begin to communicate in writing. All this comprehensively.

It is very common for a student has a more developed skill than others. On the contrary, it is an opportunity to be better so that skill must be leveled and reinforced in each class with a meaningful methodology and that motivates to the student to simultaneously in order to practice the four skills. When a student has strengthened any of them, it is considered normal as long as the four skills, together, allow the student to function in most areas or certain situations and thus strengthen English”

#### *Answers Interviewer Two*

I must motivate to the students with many interesting activities for instance:

- I can practice the topics through games in order to feed back the topics had been learnt the last classes.
- The students like listening to music for that reason is a good idea, practice listening skills into the classroom, they can listen a song and complete the letter of it each one and practice individual sounds as well as stress, rhythm and intonation.
- There are many interesting articles about, sport, It, entertainment, media and different cultures for that reason it is meaningful in a student, The teacher can do funny classes in where the student can proper and enrich their knowledge when practice reading skill.
- The project is an autonomous piece of work that students can begin in class and finish for homework, or it can be done wholly out of class

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