

# **Virtual Learning Environments Practices, in the students of System Engineering of the Tecnológico Nacional de Mexico, Campus Mexicali**

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## **Abstract.**

The virtual learning environment is not just about taking a course and placing it on a computer, it deals with a combination of resources, interactivity, support and activities of structured learning. To carry out this process it is necessary to know the possibilities and limitations that the computer support or virtual platform offers us, so that the students achieve their study objective more adequately, for that reason its use is studied in the students of computer systems engineering career of the Tecnológico Nacional de Mexico, Campus Mexicali.

**Keywords:** Virtual Learning Environments, TECNM, Ingenieria de sistemas.

## **Introduction**

This 2018 participates in the entrance exam to the Tecnológico Nacional de Mexico, Mexicali campus, and as a tutor I have to deliver the results of this to a group of students of the Systems Engineering Career of this school, this process is not New, but increasingly it is more important for the results offered by this test to the student and the teacher, to be delivering the results to students, I realized that I was missing information on virtual learning environments, because they are currently used in the vast majority of educational institutions, and I took on the task of researching on this topic that I consider that boosts the competitiveness of the institutions that use them.

## **Methodology**

explaining how this research was carried out, based on the conception of the idea, and its problematic, we defined the objectives and formulated the questions, then we defined the study population, indicating the main factors for which it has been delimited, including the formula statistics used to determine the sample, the instrument used for compiling the information was designed, which forms the sample, basically focusing on the survey. And, finally, we will detail the assumptions used in the investigation, as well as the statistical results.

$$n = 75$$

$$N = 417$$

$$417 (3.8416) (0.5) (0.5)$$

$$Z\alpha = 1.96$$

$$n = \text{-----} = 75$$

$$p = .17$$

$$(417-1)(0.0025)+(3.8416)(0.17)(0.17)$$

$$q = .17$$

$$e = .17$$

**Survey:**

1. The virtual learning environment, which is used in the subjects of the career of Computer Systems Engineering at the TECNM Campus Mexicali, are known by students.
2. The virtual learning environment, which is used in the subjects of the career of Computer Systems Engineering at the TECNM Campus Mexicali, is useful for the student.
3. The virtual learning environment, which is used in the subjects of the career of Computer Systems Engineering at the TECNM Campus Mexicali, is used regularly in classes.
4. The virtual learning environment, which is used in the subjects of the career of Computer Systems Engineering at the TECNM Campus Mexicali, are known by students, will be recommended to other students.
5. The virtual learning environment, which is used in the subjects of the career of Computer Systems Engineering at the TECNM Campus Mexicali, are known by students, considers them necessary for a better learning.
6. The virtual learning environment, which is used in the subjects of the career of Computer Systems Engineering at the TECNM Campus Mexicali, are known by students, Apart from the use in class you have seen them being used in some other career.
7. The virtual learning environment, which is used in the subjects of the career of Computer Systems Engineering at the TECNM Campus Mexicali, are known by students, In the last 12 months you have used them.
8. The virtual learning environment, which is used in the subjects of the career of Computer Systems Engineering at the TECNM Campus Mexicali, are known by students, If you had the opportunity to use this technology you would use it.
9. The virtual learning environment, which is used in the subjects of the career of Computer Systems Engineering at the TECNM Campus Mexicali, are known by students, considers them reliable for use in the classroom.
10. The virtual learning environment, which is used in the subjects of the career of Computer Systems Engineering at the TECNM Campus Mexicali, are known by students, You consider yourself an enthusiast of the virtual learning environment.

With the following multiple choice answers:

- a) Strongly Disagree
- b) Disagree
- c) I slightly disagree
- d) A little agreement
- e) Agree
- f) Totally agree

**Result:**

Resultados  
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Resultados

CUESTION	ANSWER 1	ANSWER 2	ANSWER 3	ANSWER 4	ANSWER 5	ANSWER 6
1	6	4	5	4	5	7
2	6	7	7	4	7	7
3	5	6	6	3	6	8
4	7	5	7	5	7	8
5	7	5	7	5	7	6
6	8	8	4	6	8	7
7	6	7	3	6	8	7
8	5	4	5	6	5	7
9	4	5	6	7	5	6
10	4	4	4	5	4	6



**Conclusion**

The virtual learning environment, which is used in the subjects of the career of Computer Systems Engineering at the TECNM Campus Mexicali on the answers obtained it is known by the students, besides being considered useful, and is used regularly in classes, and students recommend it to other students, and consider them necessary for a good learning, it was detected that not all the students use the virtual learning environment.

## References

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