Key Factors in the Success of Teaching Virtualization in Spanish Universities during the COVID-19 pandemic

1. INTRODUCTION

The virtualization of university teaching in Spain caused by the pandemic was a success, BUT some peculiarities that should have been taken into account were omitted.

2. METHODOLOGY

2.1. Literature Review: List of factors that influence the adoption and use of online teaching

2.2. Cognitive maps methodology: Causal map of the System - Technology and education experts analyzed influences and impacts.

3. RESULTS

3.1. Factores (Factors)
- Instructor's attitude towards technology and its control
- Instructor's teaching style
- Students' motivation and technical competence
- Students' interactive collaboration
- e-Learning course's content and structure
- Ease of on-campus internet access
- Information technology infrastructure effectiveness
- University support of e-learning activities

3.2. TOP factors that most influenced the other factors:
- University support of e-learning activities
- Instructor's attitude towards technology and its control
- Information technology infrastructure effectiveness

3.3. TOP factors that received the most influence from the other factors:
- Learning course's content and structure
- Students' interactive collaboration
- Instructor's teaching style

The most determining factors:
- Students' interactive collaboration
- Instructor's teaching style
- Students' motivation and technical competence

4. CONCLUSIONS

Virtualization was a success because:
- Digital environment
- Pedagogical aspect

Determining factors in the role played by students: their motivation and technical competence as well as their interactive collaboration.

Attitude towards technology and its control, virtual teaching style, along with the creation and structuring of content, should be reinforced in the case of teachers.