SELF-PERCEPTION ABOUT EMERGING DIGITAL SKILLS IN HIGHER EDUCATION STUDENTS

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INTRODUCTION

Emerging digital skills
21st century digital skills related to the use of ICT in Higher Education

ICT in Higher Education
the way in which teachers and students use ICT influences thedevelopment of their digital skills

Perception studies
Some studies have used perceptions to reach important conclusions on the subject of education

METHODOLOGY

Questionnaire

Students' self-perception of their emerging digital skills in relation to the use of ICT in Higher Education

4237 students from the Universidad Autónoma de Querétaro (UAQ)
356 observations
59,5% women and 40,5% men

Table 1. Categories of the theoretical framework included in the instrument	
Category	**Indicators (items)**
Problem solving with ICT	1-2
Technical skill with mobile devices	3-7
Collaboration with ICT	8-9
Critical thinking aided by ICT	10-22
Creativity through ICT	23-34
Communication by ICT	35-48
Information management by ICT	49-54
Academic projects	55-58
Use of ICT by students	59-66
Use of ICT by teachers	67-72

RESULTS

Perception of the digital skills of critical thinking. Recognition of ICT in academic projects

Students are quite skillful when using ICT for information management, to develop critical thinking and to solve problems, as well as to manage mobile devices

However, their self-perception in the use of ICT in teaching classes is low

Table 4. Descriptive statistics obtained		
Factor	**Mean**	**Standard deviation**
Academic projects	4.059	0.970
Technical skill	3.863	0.891
Information management	3.818	0.858
Communication	3.643	0.854
Critical thinking and problem solving	3.625	0.834
General creativity	3.277	1.049
Use of ICT by teachers	3.249	1.015
Use of ICT by students	2.537	1.170
Technical creativity	2.34	1.164

CONCLUSIONS

This study confirm the close relationship between critical thinking and problem solving

Students do not believe that the use of ICT in the classroom is useful for developing this type of emerging digital skills

On the other hand, they think that carrying out academic projects does strengthen the acquisition and development of such skills in relation to the use of ICT

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