

Appendix 1. Questions and scale of values of the questionnaire

Question	Text
P01	What master's program are you enrolled in?
P02	Do you consider that the subjects in the program are logically and sequentially organized?
P03	Do you consider that the program contents are relevant to the educational objectives?
P04	Do the contents reflect advancements and changes in the field of study?
P05	Do you know what the program objectives are?
P06	Do you know what skills are expected to be developed upon completing the program of study?
P07	Are different types of assessments (exams, assignments, projects, presentations) used to measure your learning?
P08	Do the assessments reflect real and contextual situations related to the field of study?
P09	Do you consider study materials, labs, libraries, technology, and faculty easily accessible?
P10	Are updated and relevant resources used to support learning?
P11	Do you know the focus of your graduate studies program?
P12	Do you consider the program enabled you to develop skills and knowledge relevant to the targeted professional or job field?
P13	Does the graduate program include projects or practical activities focused on industry applications?
P14	Do you consider that the subjects and contents of your graduate program are aligned with the latest developments in the industry?
P15	How do you rate the knowledge acquired for each of the technological developments? [Artificial Intelligence and Machine Learning]
P16	How do you rate the knowledge acquired for each of the technological developments? [Data Science and Data Analytics]
P17	How do you rate the knowledge acquired for each of the technological developments? [Cybersecurity]
P18	How do you rate the knowledge acquired for each of the technological developments? [Software Development and Programming]
P19	How do you rate the knowledge acquired for each of the technological developments? [Networks and Communications]
P20	How do you rate the knowledge acquired for each of the technological developments? [Robotics and Automation]
P21	How do you rate the knowledge acquired for each of the technological developments? [Internet of Things (IoT)]
P22	How do you rate the knowledge acquired for each of the technological developments? [Cloud Computing]
P23	How relevant do you consider the competencies acquired during your graduate studies for integration into industry and innovation ecosystems?
P24	Do you consider that your graduate studies provided you with relevant and current information?
P25	Do you consider that the subjects and contents of your graduate studies are aligned with the latest industry developments?
P26	Do you feel you have developed skills that would allow you to adapt to future changes?
P27	Do you trust your ability to tackle technological and innovation challenges in industry after completing your graduate studies?
P28	Do you consider that the acquired competencies enable you to effectively collaborate in interdisciplinary and team environments?

P02, P03, P04, P07, P08, P09, P10, P12, P13, P14, P24, P26	
1	Strongly disagree
2	Disagree
3	Neither agree nor disagree
4	Agree
5	Strongly agree

P15-P22	
1	Totally insufficient
2	Insufficient
3	Neither sufficient nor insufficient
4	Sufficient
5	Totally sufficient

Gender	
1	Female
2	Male
3	Other

P01	
1	Master of Science in Computer Science
2	Master of Science in Computer Engineering

P23	
1	Totally irrelevant
2	Irrelevant
3	Neither relevant nor irrelevant
4	Relevant
5	Totally relevant

P05, P06, P11, P27, P28	
1	Yes
2	No
3	Maybe

P25	
1	Very misaligned
2	Misaligned
3	Neither aligned nor misaligned
4	Aligned
5	Very aligned