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SUPPLEMENTARY MATERIALS

Future-ready skills development through Experiential Learning: perceptions from students working in multidisciplinary teams

SUPPLEMENTARY MATERIALS

Tab.1 . Questionnaire respondents top perceived skills in the PdP context and where those were acquired.

Top perceived skills in PdP (n=43)	Acquired during PdP	Acquired in previous studies	Acquired outside university
1. Communicate efficiently with team members from different backgrounds	73%	33%	15%
2.Quick Prototyping as a form of Testing	70%	15%	12%
3. Good adaptability towards unexpected challenges	67%	24%	39%
4. Communicate your challenge effectively	67%	27%	21%
5. Effective team time management	61%	24%	21%
6. Work in a collaborative way that recognizes different opinions	61%	27%	36%
7. Prototyping as a form of Communication	58%	9%	45%
8. Resolve Conflict	55%	18%	27%
9. Thinking by Making	52%	15%	21%
10. Creative Problem Solving	48%	21%	42%
11. Effectively manage ambiguity	48%	18%	15%
12. Listen carefully and actively to the ideas of others	45%	36%	36%
13. Designing & Electrical Device Systems	42%	12%	6%
14. User Experience Research UX	39%	42%	9%
15. Design Thinking - Concept & Ideation	39%	58%	27%
16. Market Research	39%	18%	9%
17. Product Exploration & Refinement	36%	45%	18%
18. Troubleshooting	36%	12%	18%
19. Robotics, Microcontrollers, Sensors	36%	33%	18%
20. User Interface Development	33%	18%	18%
21. Computer Vision	33%	6%	9%
22. Reading & Understanding Electronics & Components	30%	45%	12%
23. Coding for User Interface	30%	24%	18%
23. Circuit Design	30%	21%	12%
25. Using Electronic Tools & Equipment	30%	30%	27%
26. Machine Design	30%	30%	9%
27. Critical Thinking	27%	36%	42%

Top perceived skills in PdP (n=43)	Acquired during PdP	Acquired in previous studies	Acquired outside university
28. Notice and acknowledge non-verbal cues	27%	21%	45%
29. Efficient personal time management	27%	30%	58%
30. Product Development Refinement	27%	36%	9%
31. Branding, Communication & Graphic Design	27%	18%	21%
32. Business Plan Strategies	27%	9%	9%
33. Negotiation Skills	27%	6%	9%
34. Design for Manufacturing	21%	33%	21%
35. Basic Accounting & Finance	21%	9%	12%
36. Service Design	18%	18%	18%
37. Software & Programming Proficiency	15%	30%	15%
38. IoT Knowledge & Wireless Communications	15%	21%	9%
39. Machine Learning	15%	3%	12%
40. Product Architecture	12%	12%	6%
41. Material Research & Testing	12%	45%	6%
42. Structural & Mechanical Analysis	9%	24%	12%
43. Mathematics & Physics Skills	6%	48%	15%