

An Evaluation of Student and Faculty Perception on the Use of Technology in the Undergraduate Nursing Education Program



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Background

- Increasing use of technology in the profession of nursing.
- National League of Education (NLN) recognized the need to reform nursing education.
- Current use of technology in a particular school of nursing

Purposes

- To assess the Wilson School of nursing students' perceptions of usefulness & ease of use as indicators of user acceptance of technology
- To determine the WSON faculty perceptions of usefulness and ease of use as indicators of user acceptance of technology for instruction and how the use of technology informed the development of pedagogical strategies.

Research Questions

- How do students perceive the usefulness of technology?
- How do students view ease of use of technology?
- What are the nursing students' perceptions of the intent to use technology?
- How does the Wilson School of Nursing faculty perceive usefulness of technology for instruction?
- How does the Wilson School of Nursing faculty perceive ease of use of technology for instruction?
- What are the Wilson School of Nursing faculty perceptions of the intent to use technology to develop innovative strategies and use them to deliver course content?

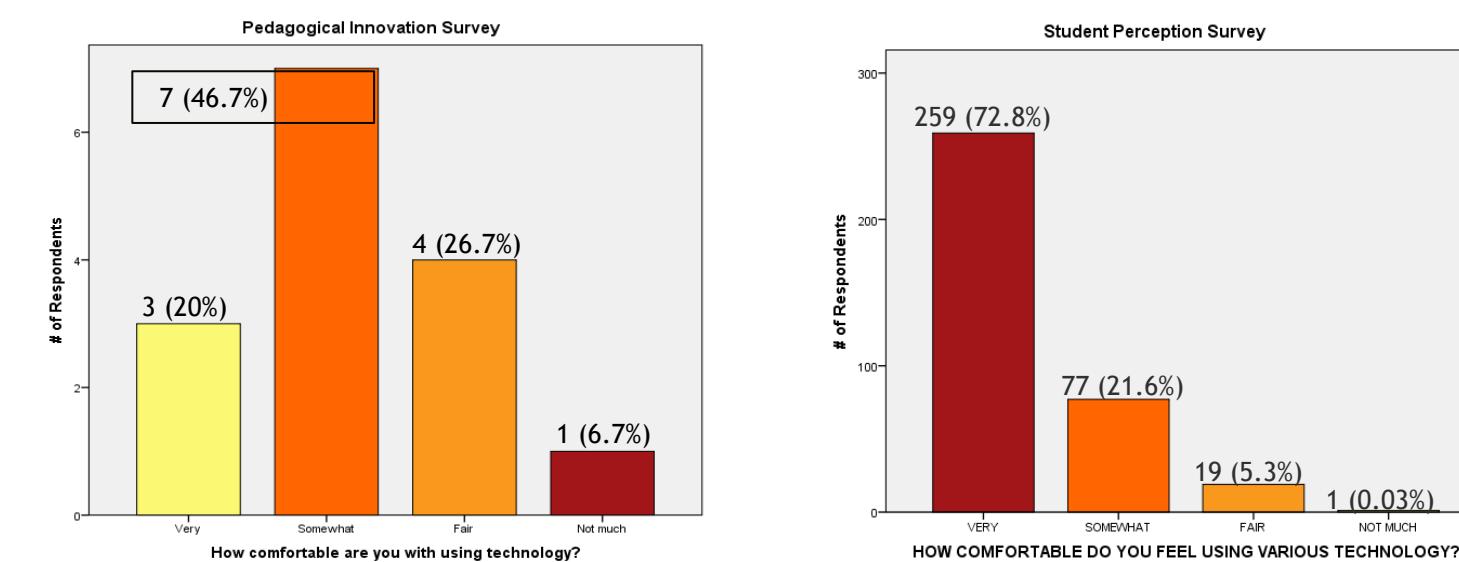
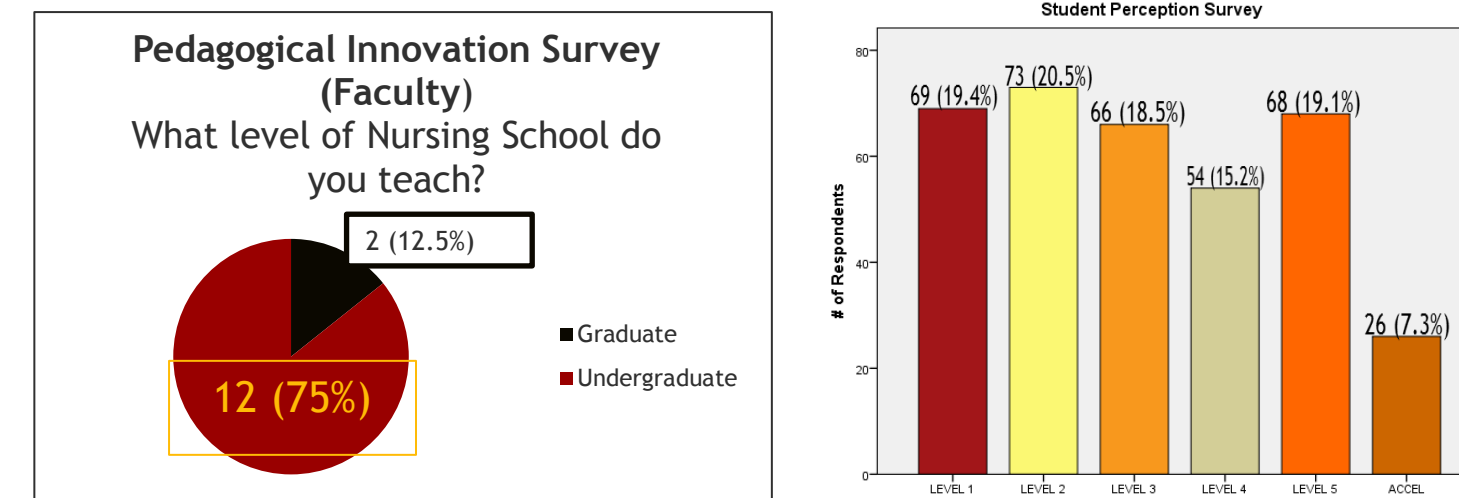
Operational Definitions

- Perceived Usefulness: Degree to which a person believes that using technology would enhance instruction (Davis, 1989).
- Perceived Ease of Use: Degree to which a person believes that using technology would be free of effort (Davis, 1989).
- Technology: The use of appropriate tools, techniques, or processes that facilitate the uses of our senses, memory, and cognition to enhance pedagogical practices and improve learning outcomes (adapted from definition by Aziz, 2010).

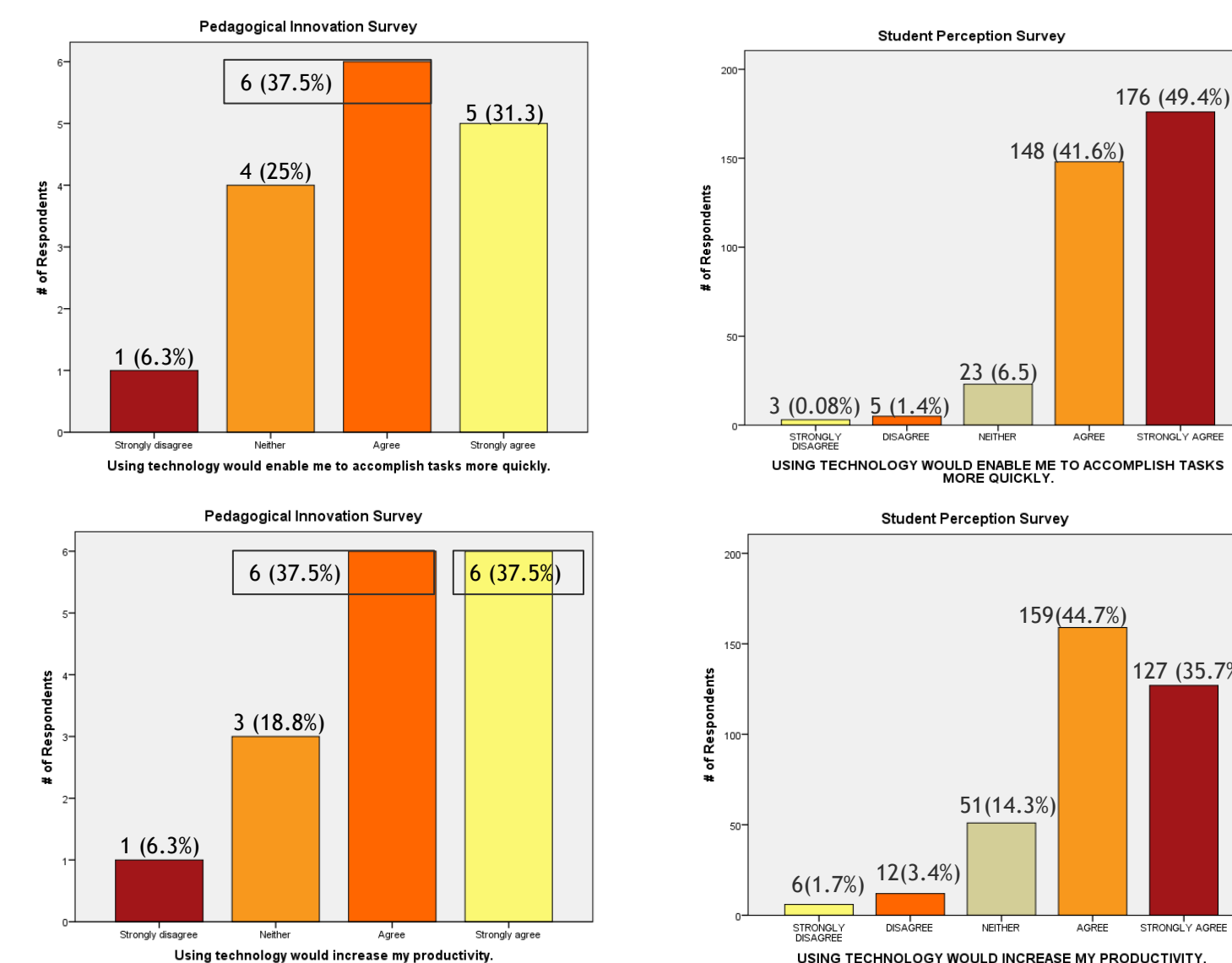
Study Procedures

- Data Collection tool (Crombach's Alpha is 0.94)
- Technology Acceptance Model by Davis
- Achieved Institutional Review Board approval
- Sample size = N ????
- Survey responses were transferred to statistical software (SPSS)

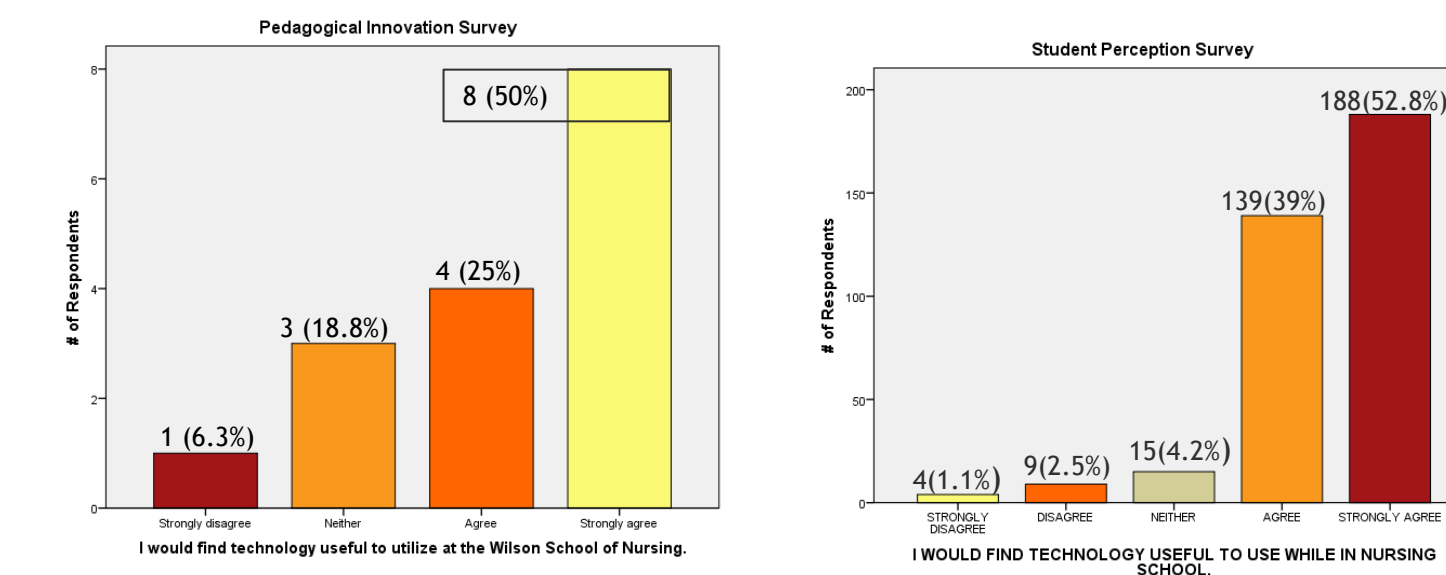
RESULTS



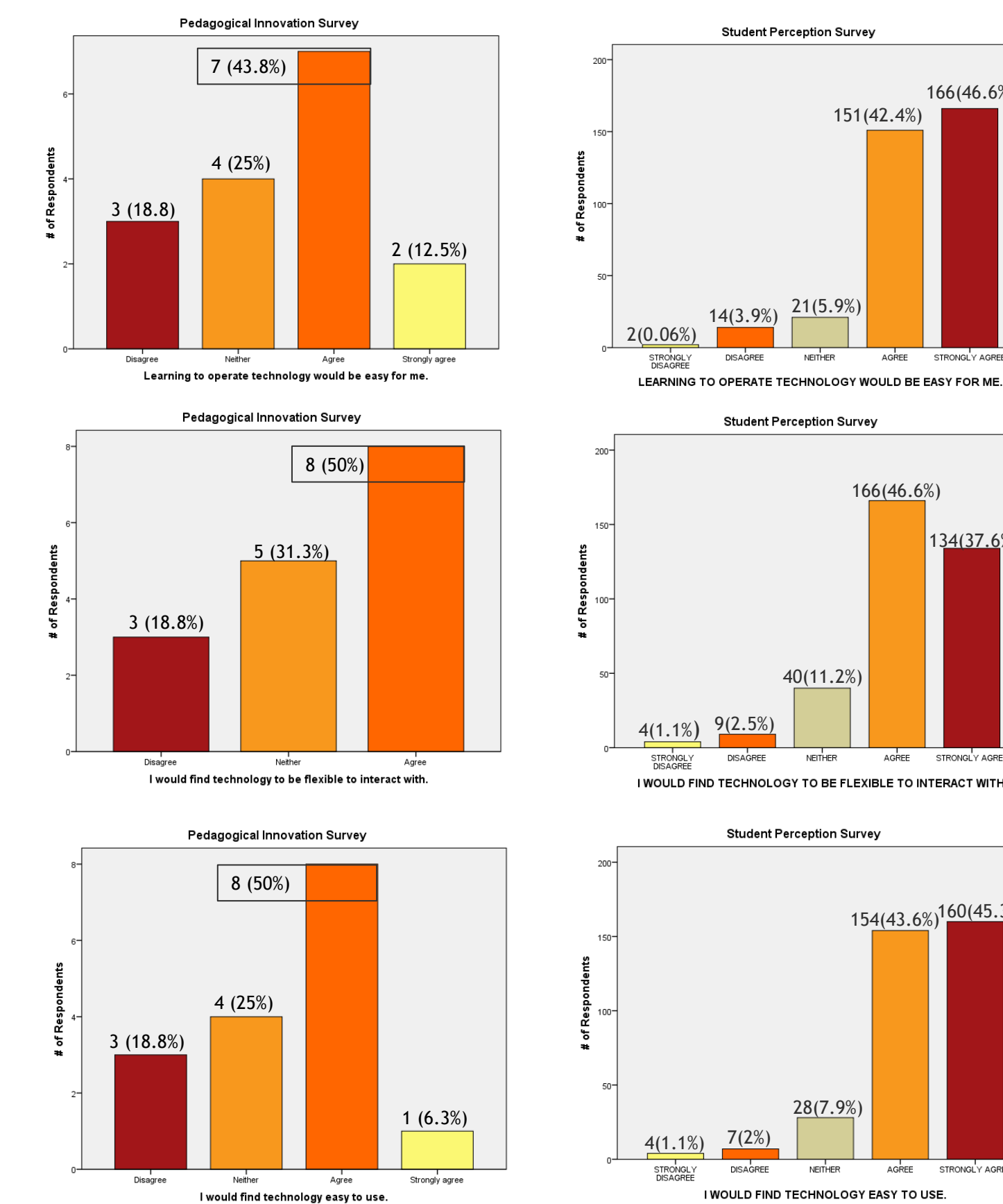
Perceived Usefulness



RESULTS continued



Perceived Ease of Use



Comments from Students:

“Quick resources for info, iPad much smaller and hander than a book”.

“It prepares us to be nurses, who use many types of technology”

Faculty Comments:

“An increase use of technology in the nursing program can facilitate an increase in student engagement and critical thinking”

“I enjoy it, but it makes me nervous because I don’t want to have problems with in in front of students”

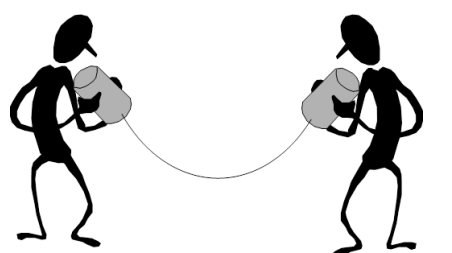
Conclusion

The use of technology would *enhance the students' effectiveness* in learning.

Technology is easy to use, thus increasing the usefulness in obtaining and utilizing information to problem solve in various situations.

Technology is valuable and a useful tool for nursing students and faculty.

CONTACT



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