Problem-Based Learning Integrated With Design Thinking Process to Enhance Creative Thinking Skills in Digital Photography for Educational Communications

Research Background & Objectives

Creative thinking
A vital skill for 21st century digital economy.

Student analysis
Revealed strong technical skills with opportunity to enhance creative originality.

Integration Approch
Combining PBL (analytical thinking) with Design Thinking (creative innovation)

Digital Photography
Developing both technical and creative skills for media education.

Research Objectives

- To develop a problem-based learning approach integrated with design thinking to enhance creative thinking skills in a Digital Photography for Educational Communications course.
- To compare students' creative thinking skills before, during, and after engaging with the developed instructional approach.

Methodology

Participants

24 undergraduate students from the Digital Technology and Educational Communications program enrolled in the Digital Photography for Educational Communications course.

Research Instruments

- Instructional Plan
- Creativity Assessment

Data Analysis

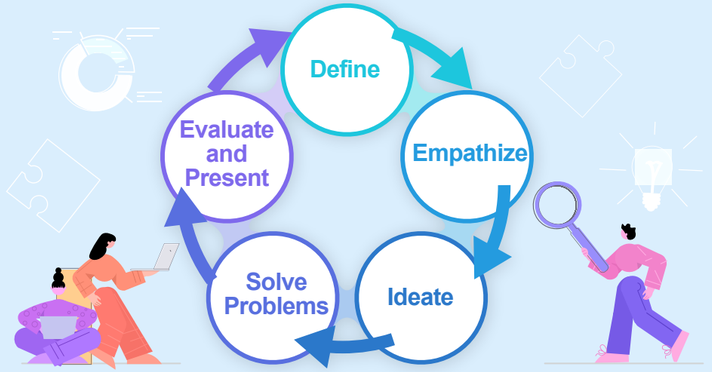
Descriptive Stats
- Percentage
- Mean
- Standard Deviation

Hypothesis testing
- Repeated measures
- ANOVA
- Bonferroni post hoc

Measurement Timeline

Results

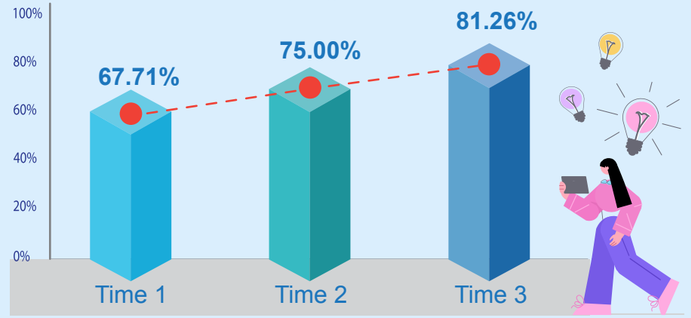
Instructional Approch: 5 Stages



Expert Validation: High Quality (M = 4.48, SD = 0.51)

Creative Thinking Skills Improvement

Statistically Significant ($p < .01$)



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