

... בין חדשנות לספקנות: כיצד סטודנטים להוראה תופסים את שילוב הצ'אטבוטים?



הכנס הארצי - שנתי ה-23 של מיט"ל 2025

עדי יעקב עזריה

המעבדה לחקר שילוב טכנולוגיות בלמידה

המרכז לחינוך מדעי וטכנולוגי

בית הספר לחינוך

אוניברסיטת תל אביב

●●● מחברים



גיא כהן
דוקטורנט,
המעבדה לחקר
שילוב טכנולוגיות
בלמידה,
המרכז לחינוך מדעי
וטכנולוגי,
בית הספר לחינוך
אוניברסיטת תל אביב



עדי יעקב עזריה
תלמידת תואר שני,
המעבדה לחקר
שילוב טכנולוגיות
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פרופ' ענת כהן
ראשת המעבדה לחקר
שילוב טכנולוגיות
בלמידה;
ראשת המרכז לחינוך
מדעי וטכנולוגי,
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אוניברסיטת תל אביב

מחקר זה מומן בתמיכת לשכת המדענית הראשית במשרד החינוך והמרכז לחינוך מדעי וטכנולוגי



אוניברסיטת תל אביב
בית הספר לחינוך
המרכז לחינוך מדעי וטכנולוגי



לשכת המדענית הראשית
משרד החינוך



אוניברסיטת תל אביב
TEL AVIV UNIVERSITY

This research was supported by the EffectTive project, funded by the European Union under the Horizon Europe programme (Grant Agreement No 101132603)

effectTive



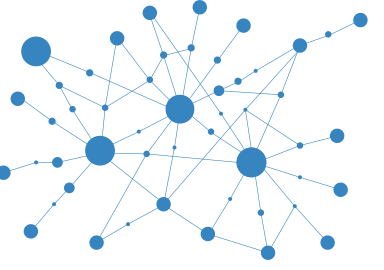
Efficiency and Effectiveness of Training for Teachers' Pedagogical Digital Competence

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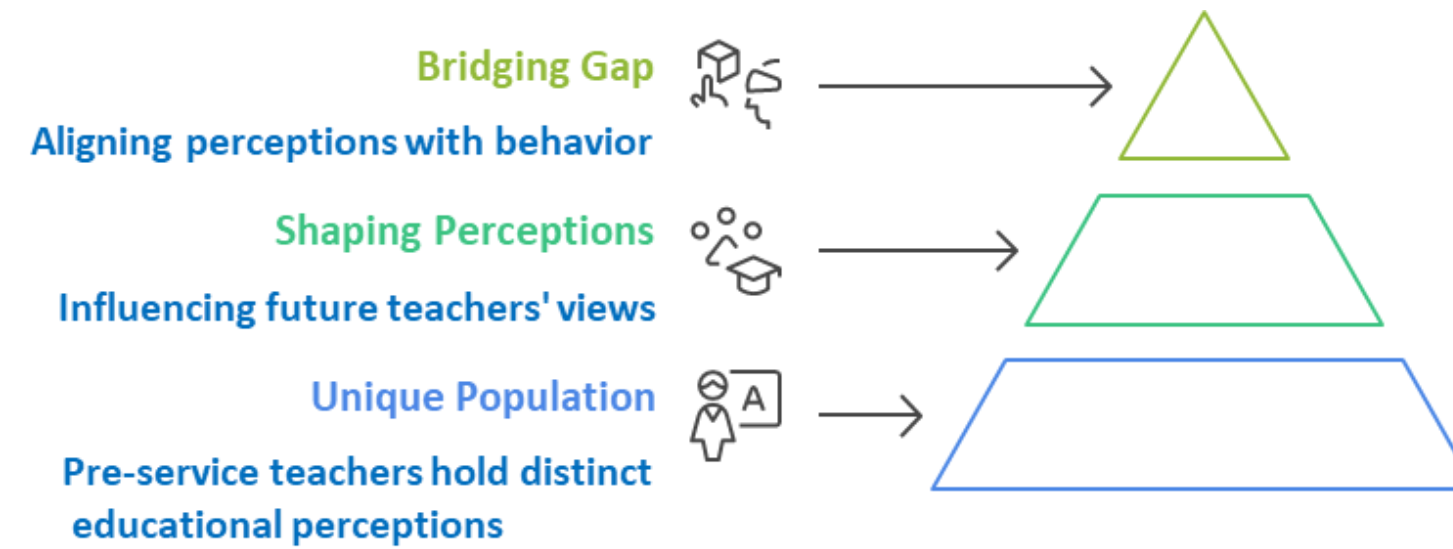
Funded by
the European Union

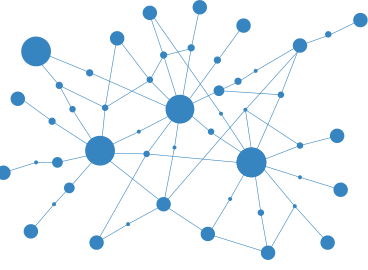




Introduction, Objectives, and Research Questions

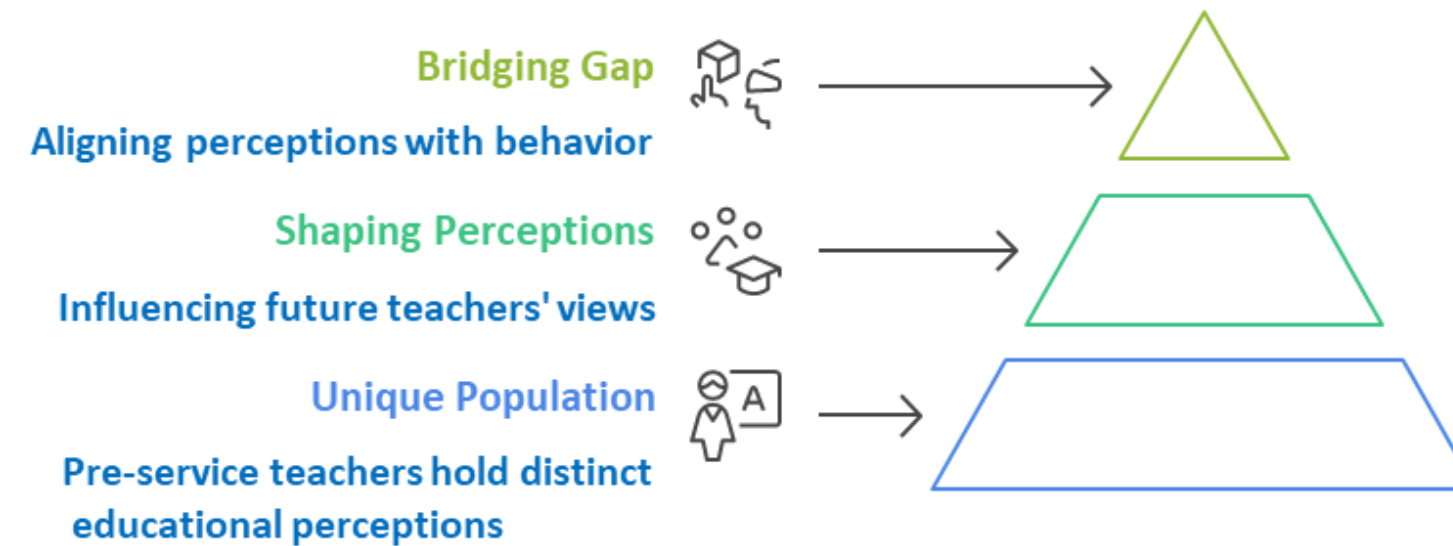
Rational



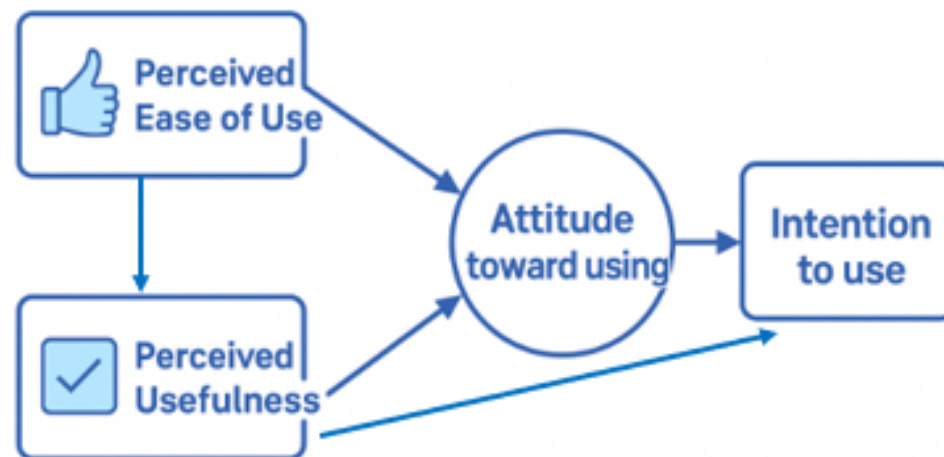


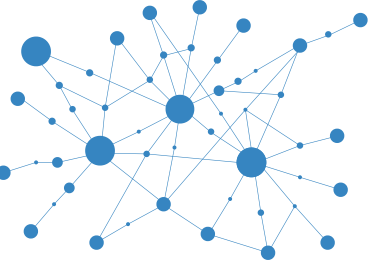
Introduction, Objectives, and Research Questions

Rational



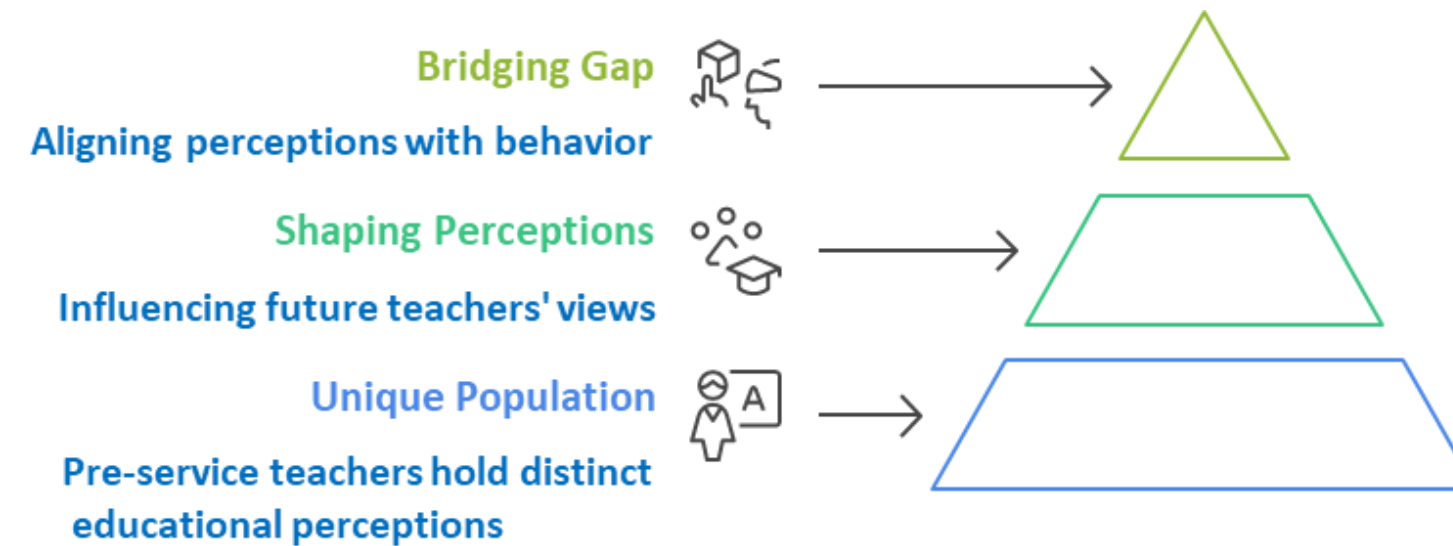
Technology Acceptance Model (TAM)



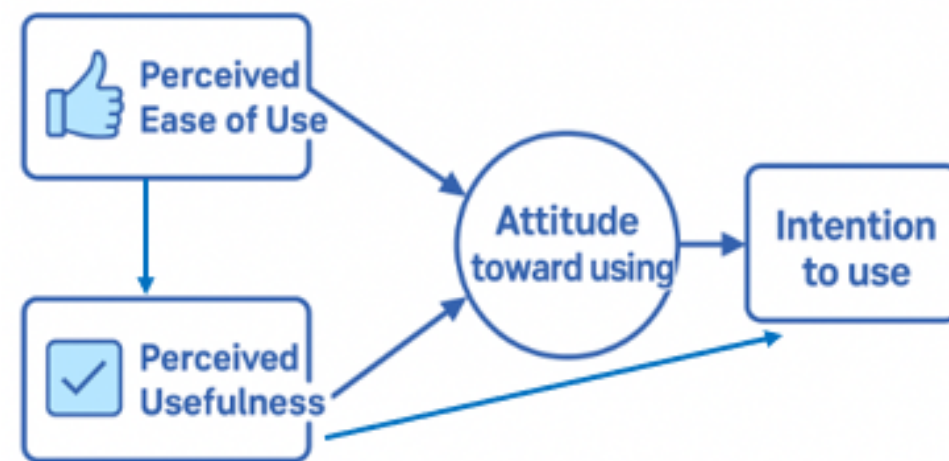


Introduction, Objectives, and Research Questions

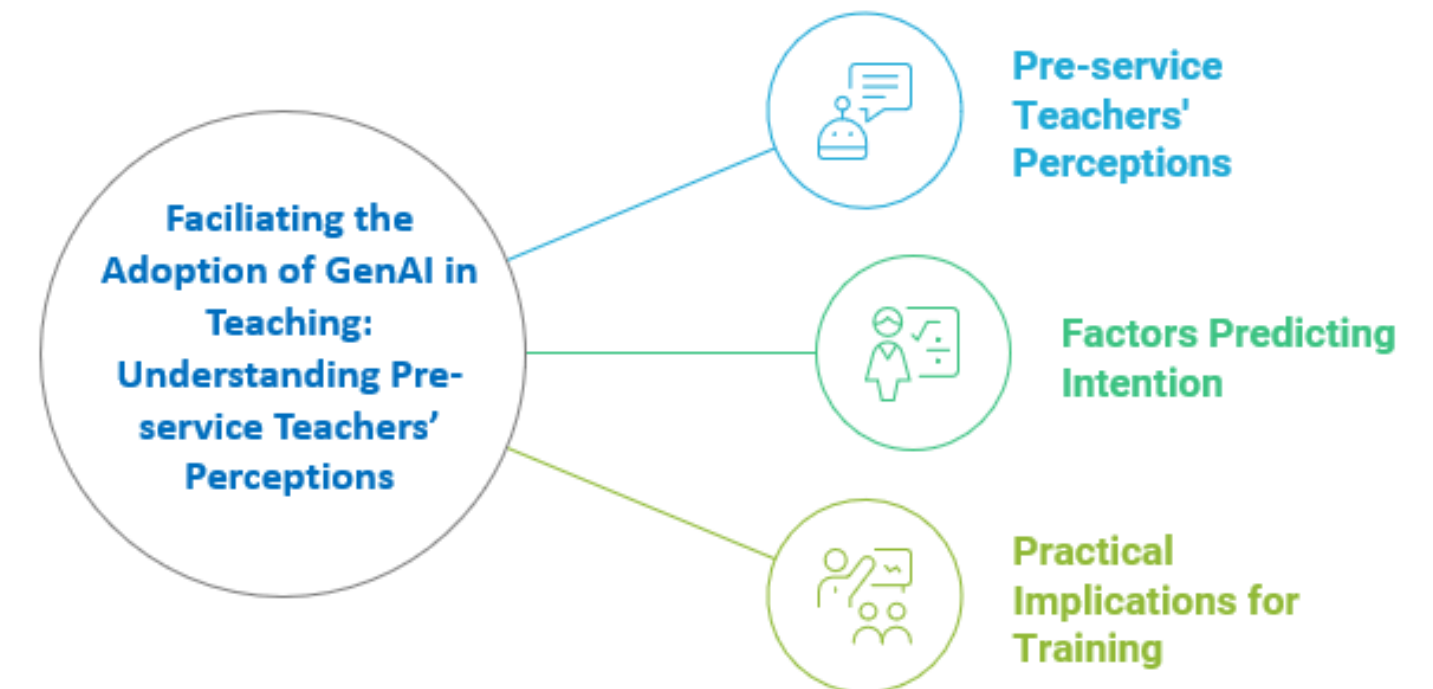
Rational



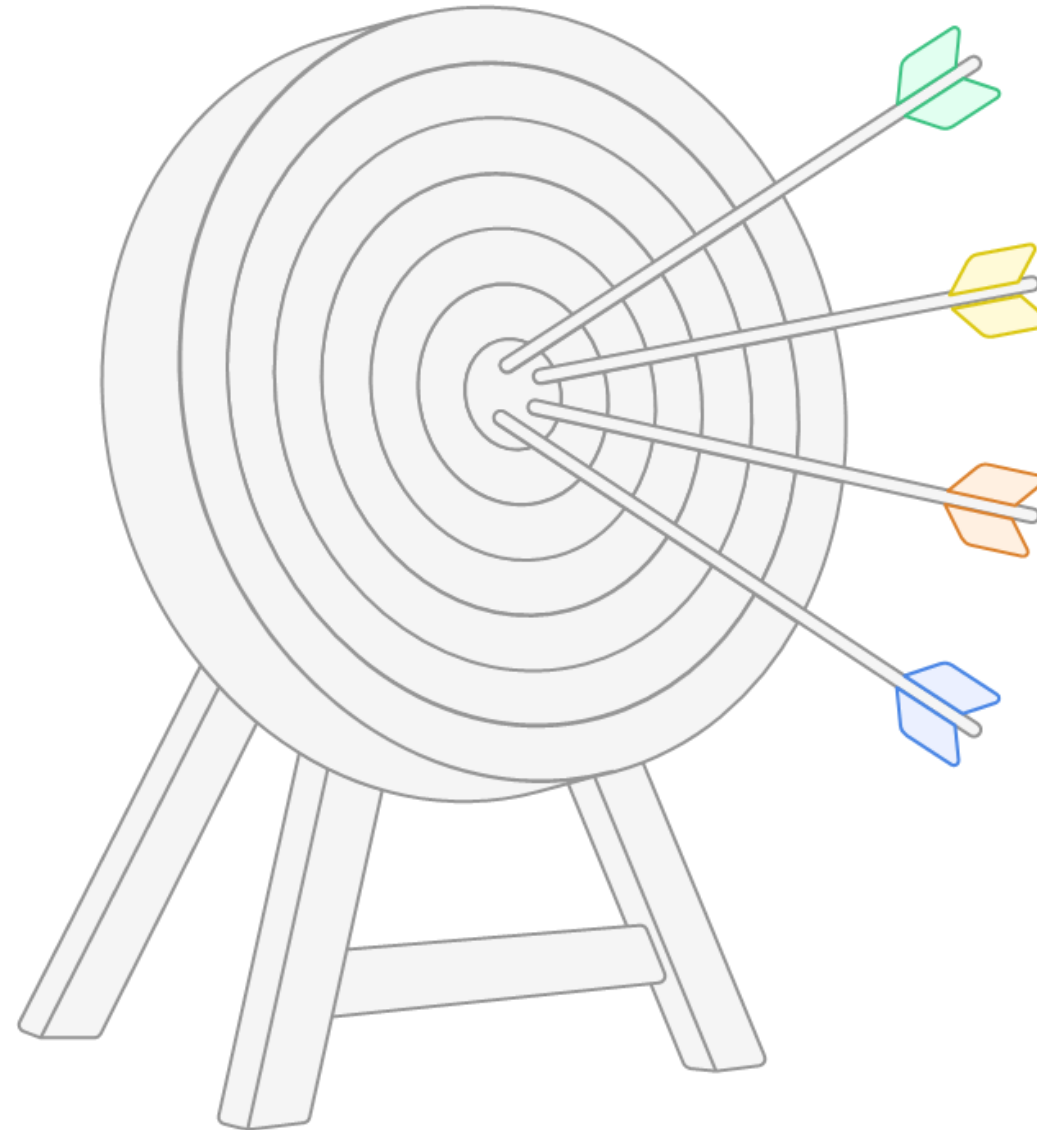
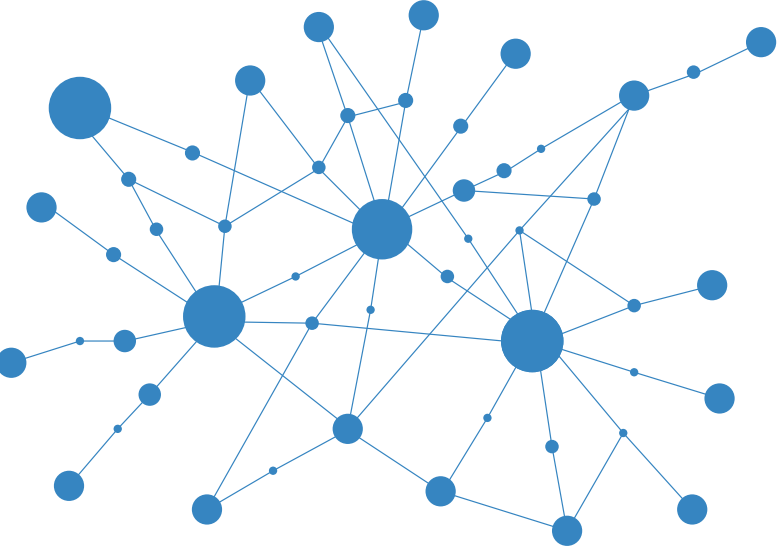
Technology Acceptance Model (TAM)



Goal, Questions and Implications



Methodology



Understanding Pre-service Teachers' Perceptions

Core Focus of the Study



Participants

50 Pre-Service Teachers



Research Tools

GenAI Chatbots Integration in Teaching Questionnaire

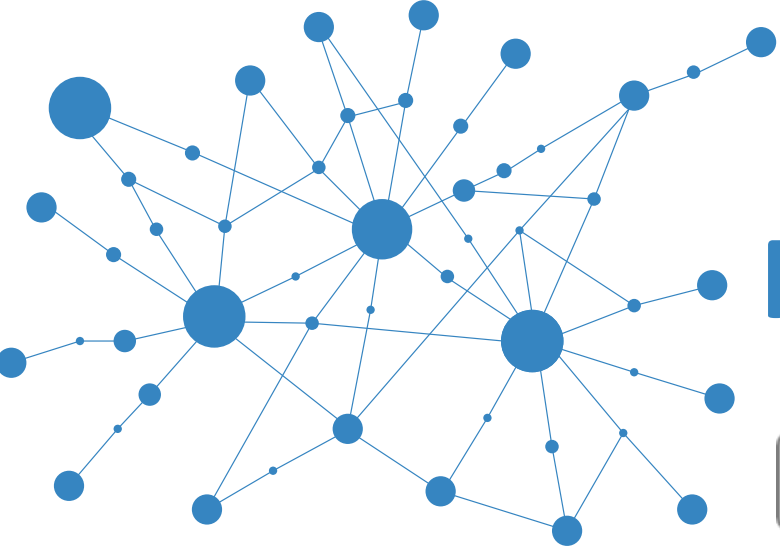


Data Analysis

A quantitative approach:

- Factor analysis
- Correlations
- Linear regressions



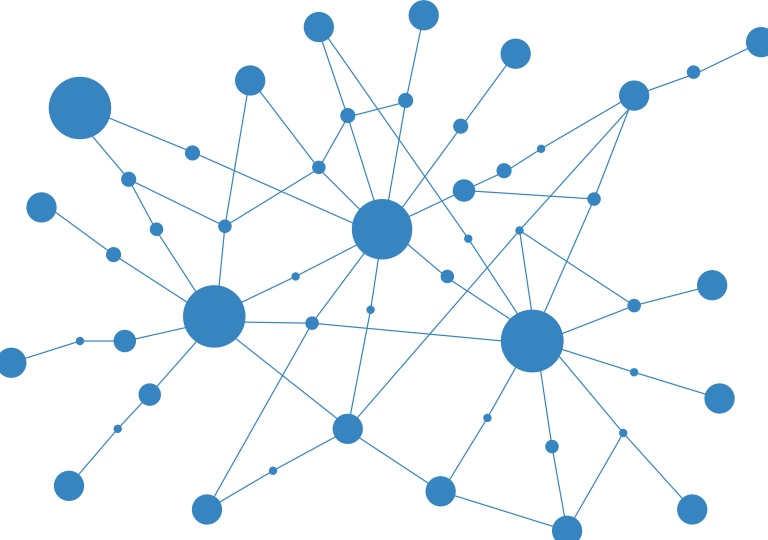


Results

Factor Analysis - Principal Component Analysis (PCA)

Factor	Description
 Positive Attitudes	Enthusiasm and intention to use
 Implementation Challenges	Perceived effort and resource requirements
 Impact on Student's skills and engagement	Enhancing skills and engagement levels
 Innovation and Personalization	Promoting innovation, identifying student needs
 Negative Teacher-Student Dynamics	Concerns about relationships and authority
 Extending Learning	Supporting learning outside the classroom
 Real-World Application	Simulating scenarios, managing teaching processes
 Enhancing Efficiency	Accelerating and simplifying the learning process

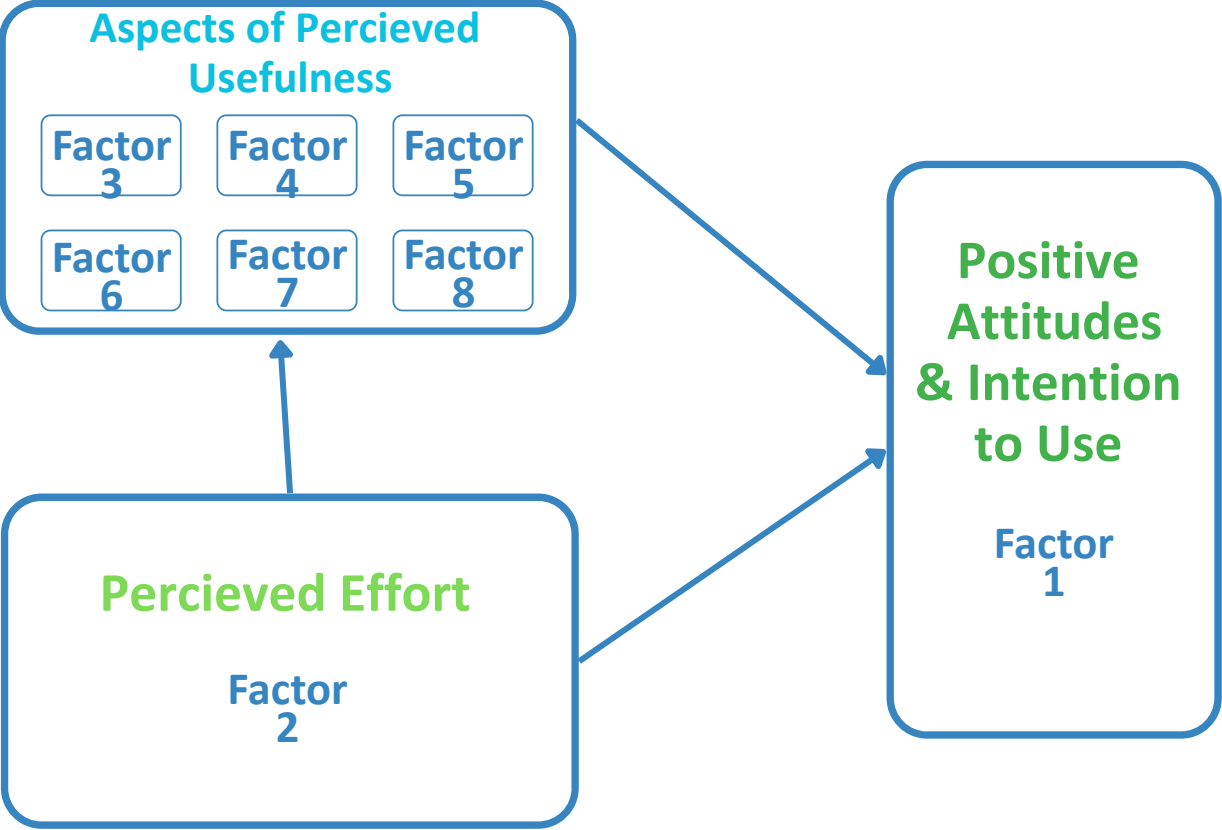




Results

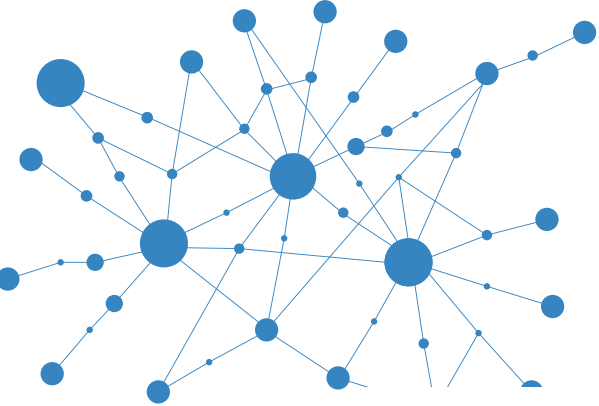
Exploratory Factor Analysis

Factor	Description
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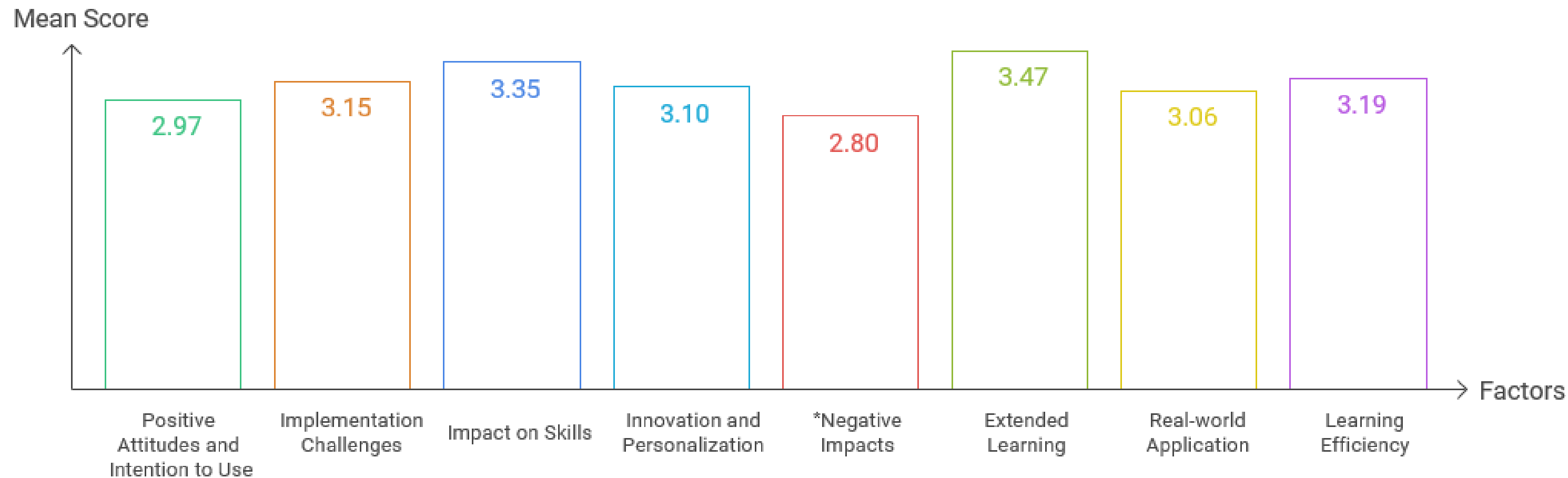
Research Mode - Adapted TAM





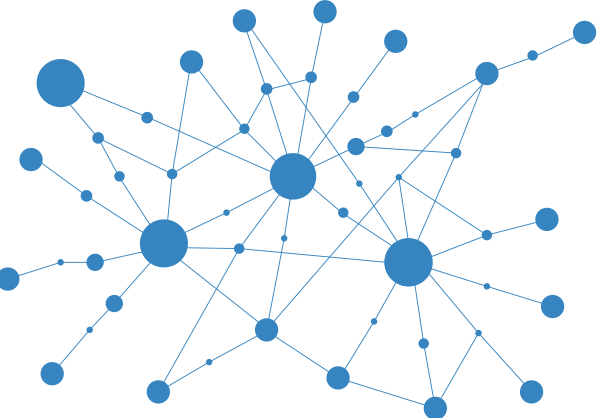
Results

Pre-Service Teachers Perceptions



**Descriptive statistics for perceptions regarding GenAI chatbots
implementation in classrooms (n=50) - Factors score**

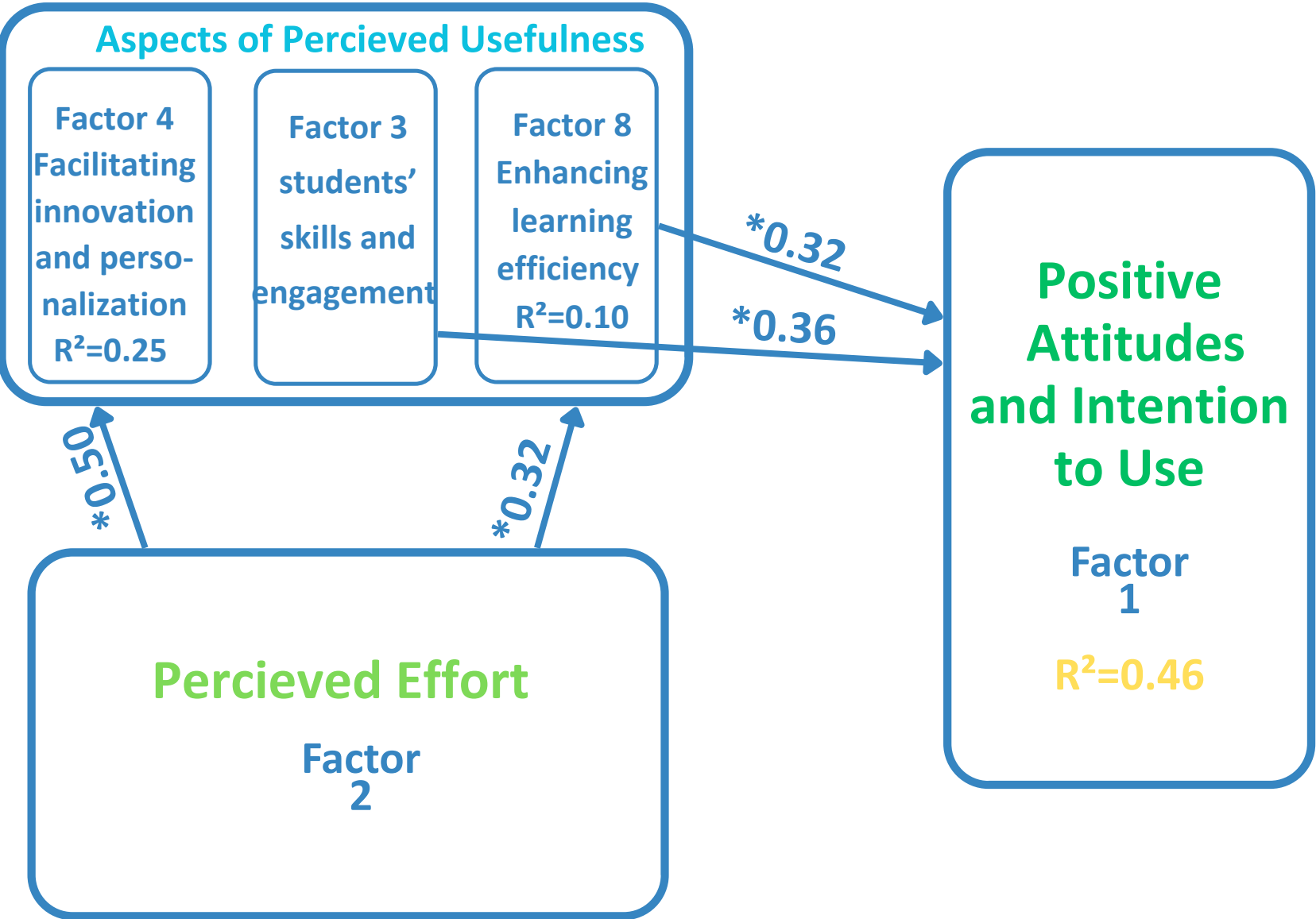


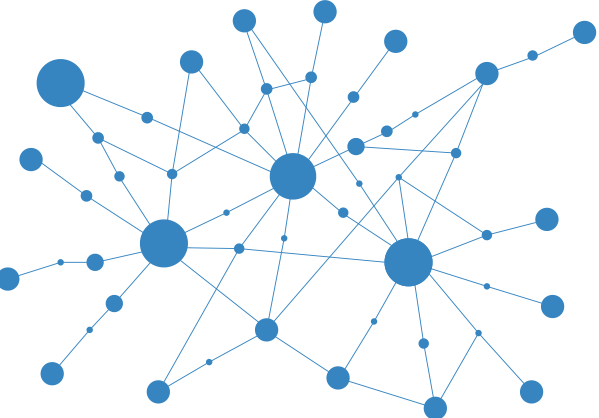


Results

Factors Predicting Intention to Use

The resulted TAM model in the current study

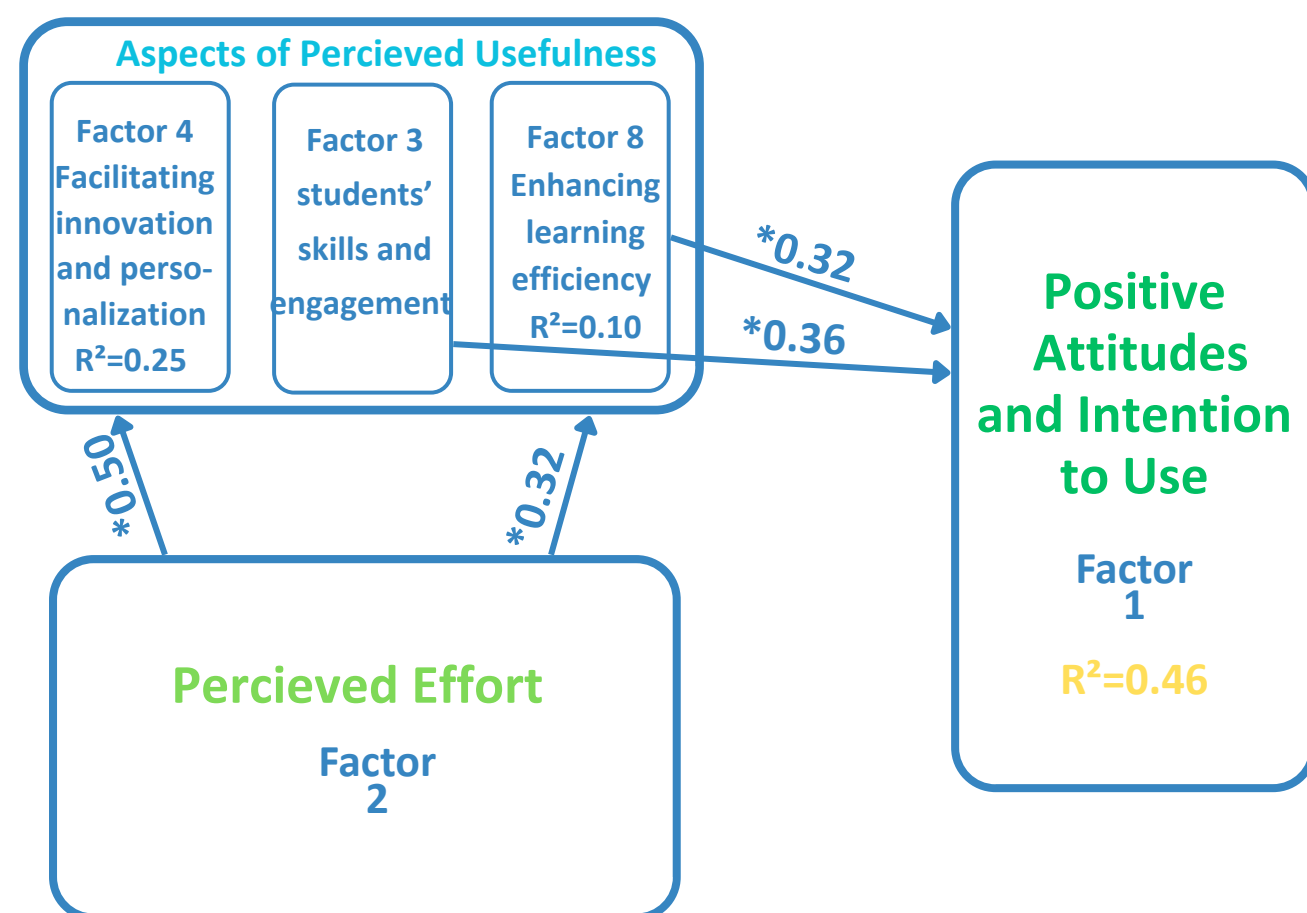




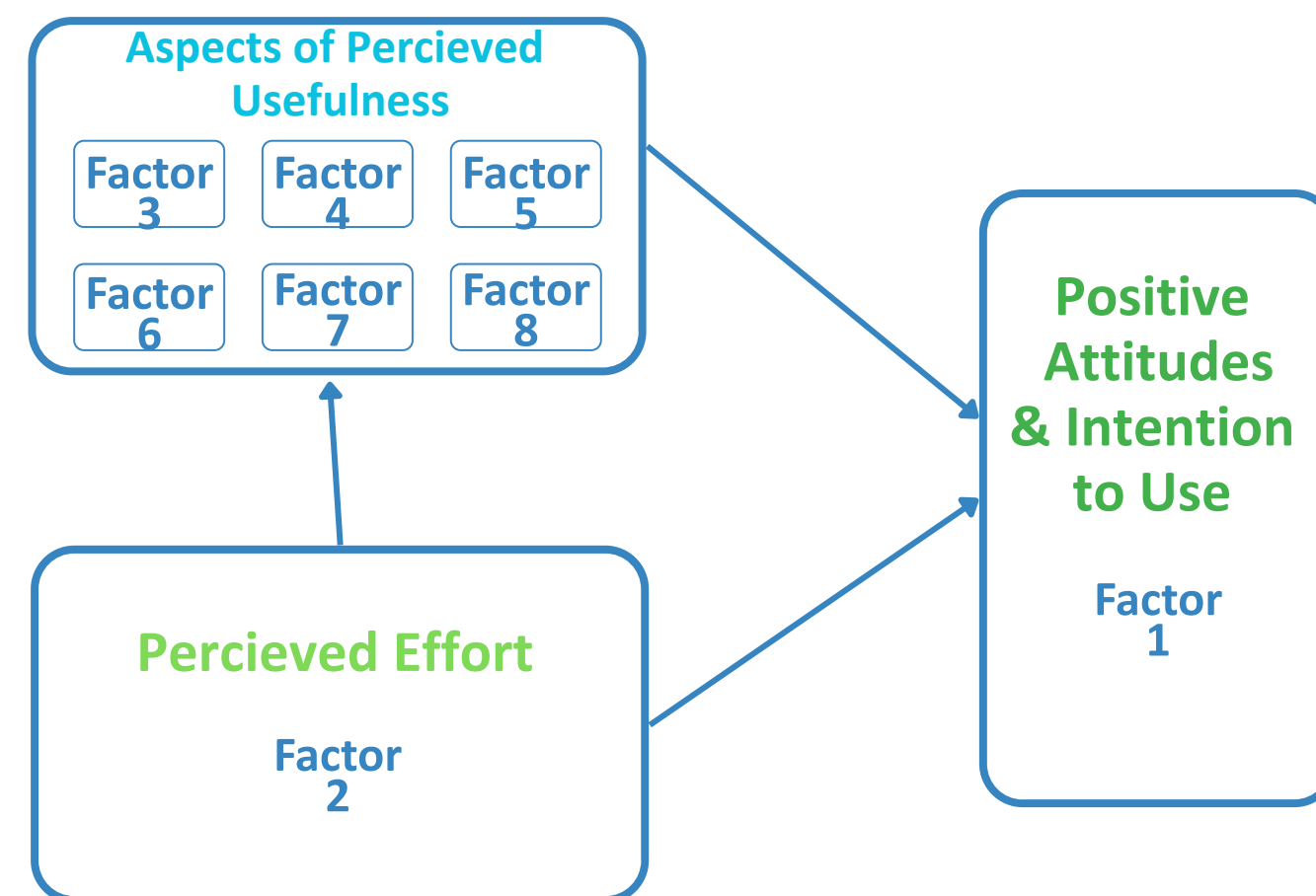
Discussion

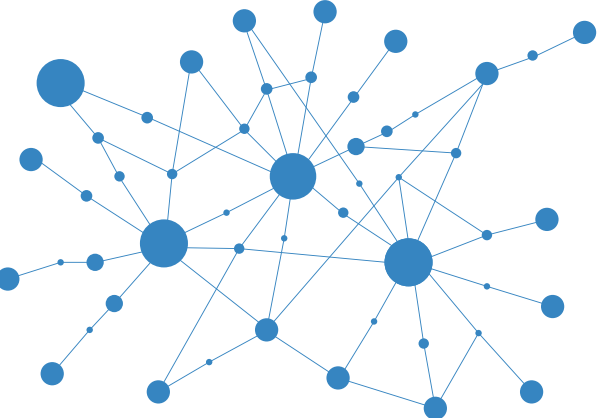
Pre-service Teachers as a Unique Population

The resulted TAM model in the current study



Research Model





Discussion

Pre-service Teachers as a Unique Population

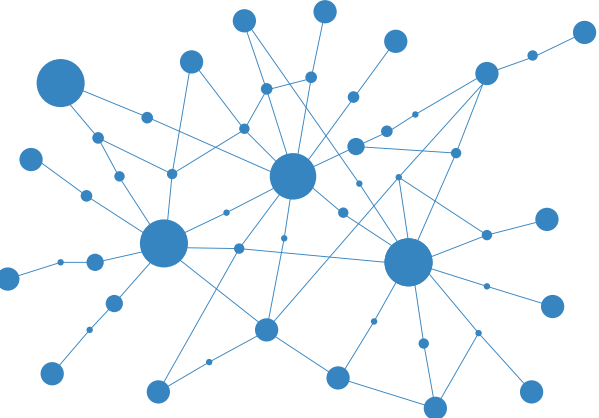


Ease of Use



Usefulness





Discussion

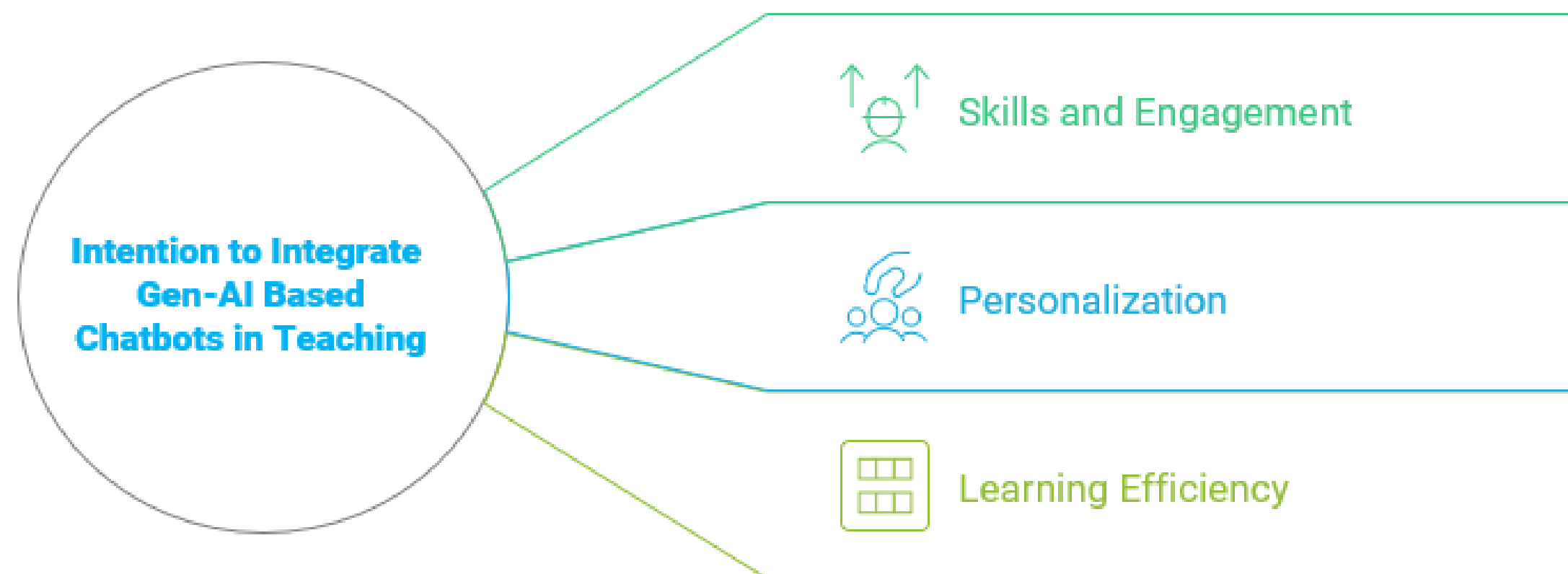
Pre-service Teachers as a Unique Population

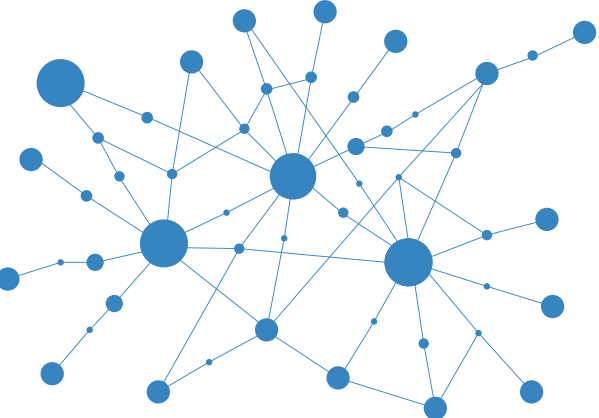


Ease of Use

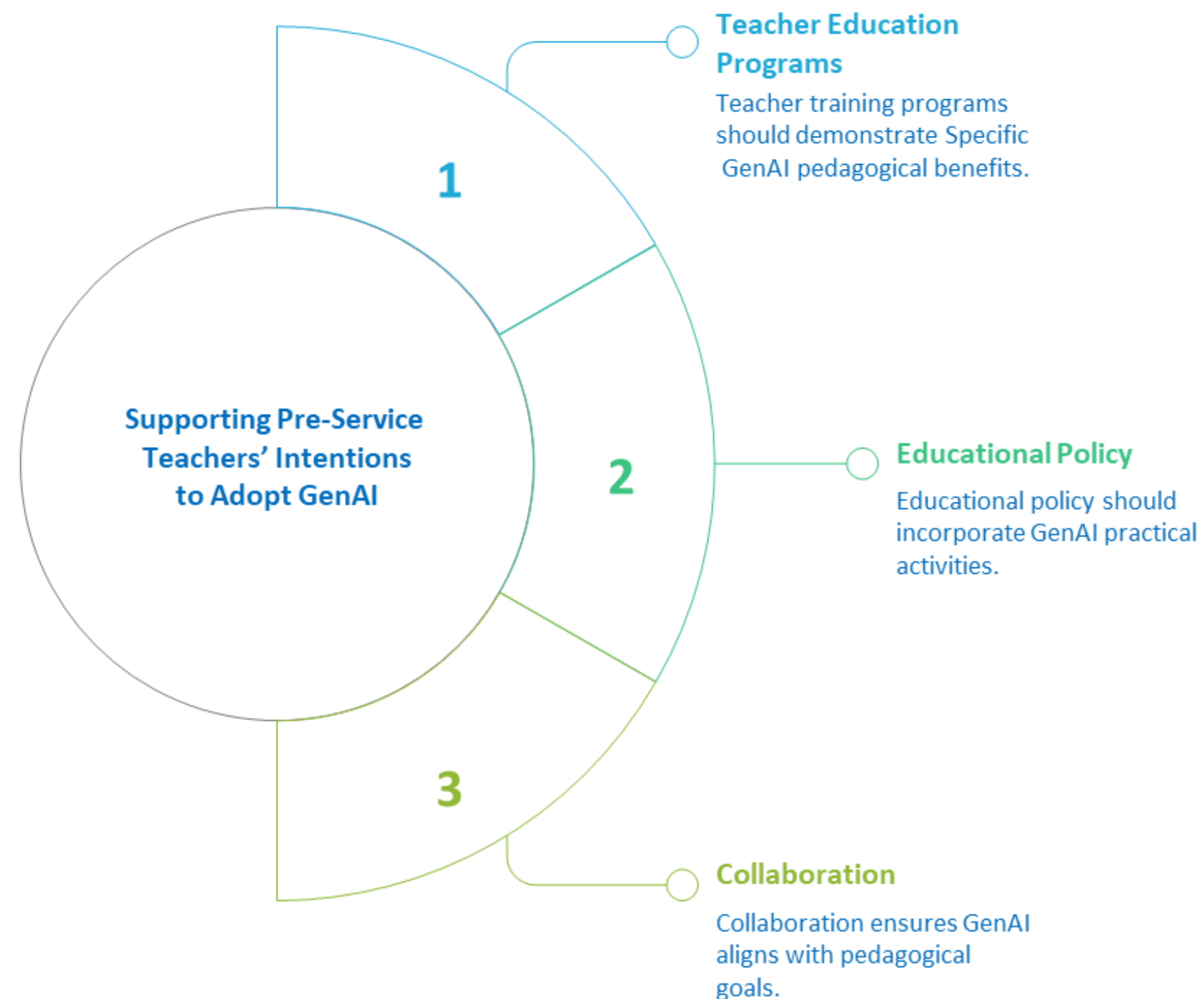


Usefulness



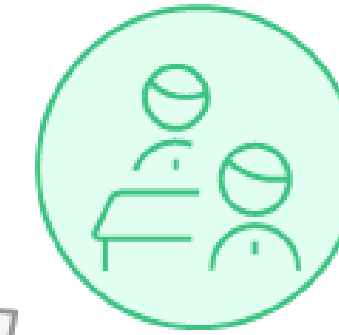
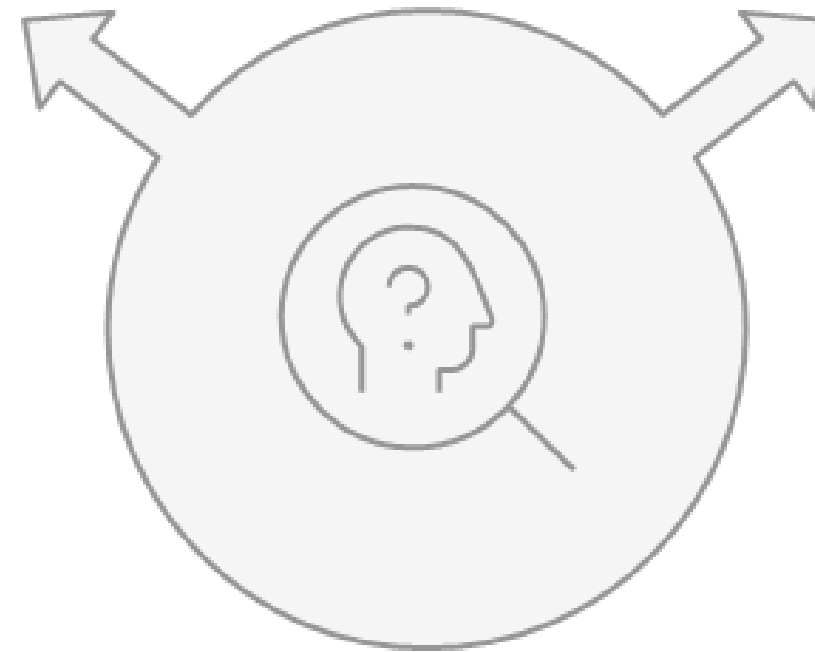


Conclusions & Implications



Future Research

Mixed-Method
Approach



Comparative
Studies

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גאדג'ט
ההקלבה!



הכנס הארצי - שנתי ה-23 של חִיטָל 2025

עדי יעקב עזריה

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