Linking Mindset to Entrepreneurial and Intrapreneurial Intentions in Engineering and Business

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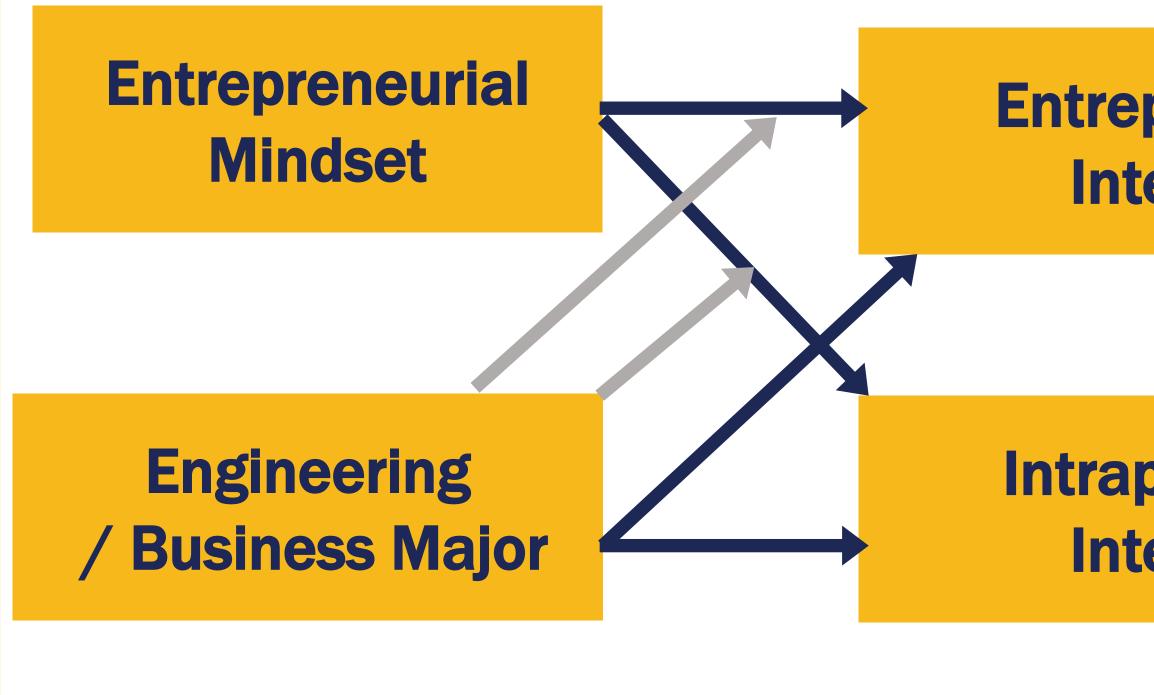
Vision and Motivation

Our study explores how an **entrepreneurial mindset (EM)** relates to entrepreneurial/intrapreneurial intentions (E/II) among engineering and business students, highlighting disciplinary differences. It aims to elevate **entrepreneurial** education, ensuring students develop the skills and mindset to innovatively and effectively navigate the global economy.

Research Questions

- How do the elements of an **entrepreneurial mindset** (EM) relate to entrepreneurial intentions (EI) among engineering and business students?
- How do the elements of EM relate to intrapreneurial intentions (II) among engineering and business students?
- How does the major (engineering versus business) 3. moderate the relationship between the elements of EM and E/II?

Theoretical Framework



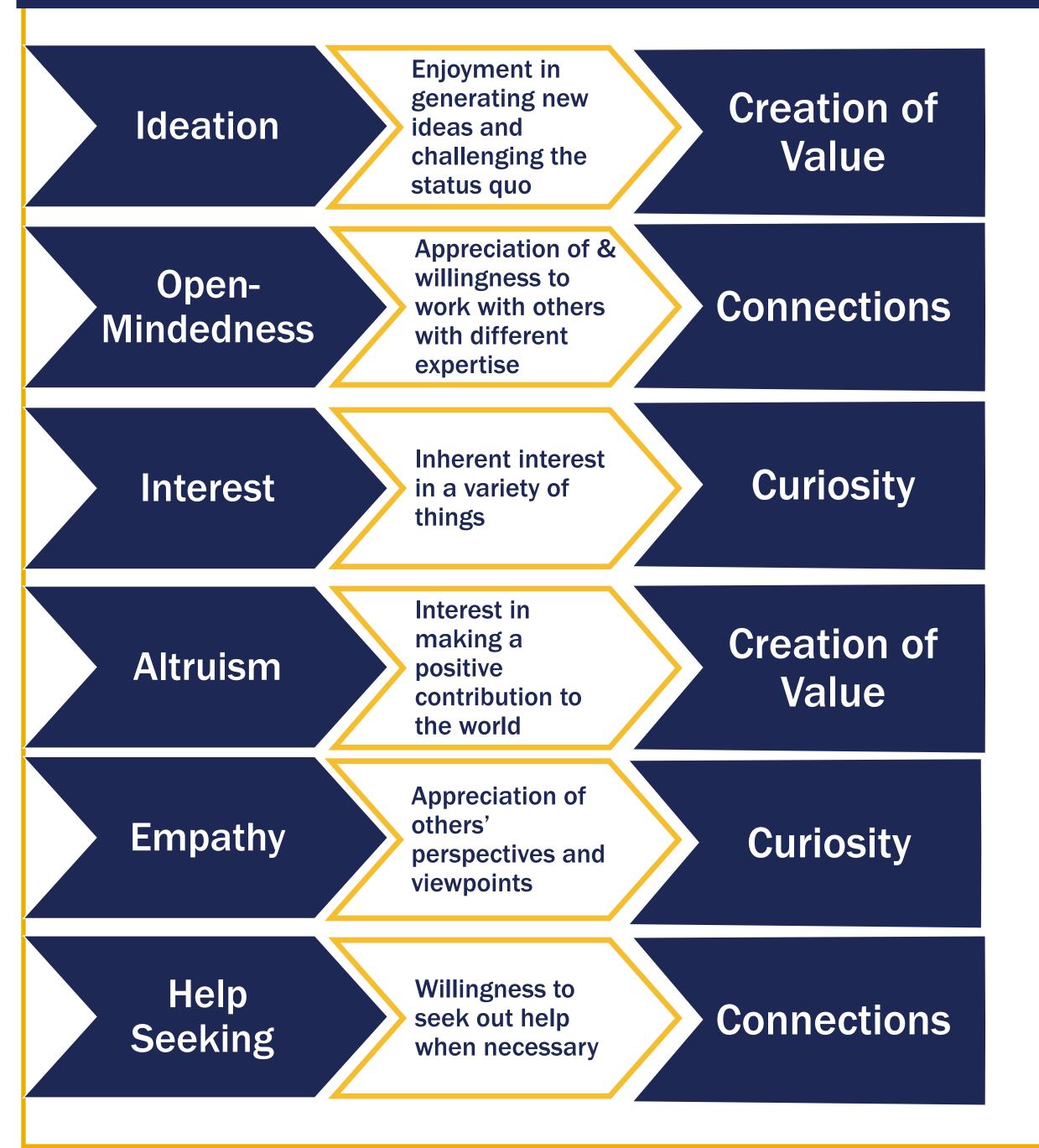
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Survey Instrument

ESEMA Instrument¹ and KEEN's 3Cs



Educational Implications

Entrepreneurial Intentions

Intrapreneurial Intentions

Develop Creative Problem-Solvers: Foster engineering and business curricula that emphasize creativity, social responsibility, and real-world application of knowledge. **Customize Curriculum by Discipline:** Tailor educational strategies to the unique entrepreneurial drivers of engineering versus business students, enhancing their intrinsic motivation and capabilities. **Promote Cross-Disciplinary Learning:** Encourage projects and experiences that merge engineering innovation with business strategy, preparing students for collaborative and interdisciplinary entrepreneurial endeavors.

Implement Continuous Engagement: Integrate internships, project-based learning, and mentorship to cultivate and reinforce an entrepreneurial mindset throughout the educational journey.



Innovative Problem-Solving as a Keystone: Strong correlation between ideation and both entrepreneurial and intrapreneurial intentions across disciplines, emphasizing the importance of innovative problemsolving.

- social impact.
- entrepreneurial success.
- teamwork in fostering intrapreneurship.

References

Brunhaver, Samantha R., et al. **"Development of the Engineering Student Entrepreneurial Mindset** Assessment (ESEMA)." Advances in Engineering Education 7.1 (2018): n1.

Results

Altruism as the Spark for Intrapreneurial Spirit:

Altruism is highly connected with intrapreneurial goals in both engineering and business students, with business students showing a stronger preference for entrepreneurship due to the curriculum's emphasis on

Curiosity and Compassion Fuel Engineering

Innovation: Engineering students' interest and empathy significantly relate to their entrepreneurial efforts, setting them apart from business students, and emphasizing the importance of a user-centric and collaborative approach in engineering education for

Open-Mindedness and Intrapreneurship: Open-

mindedness is particularly connected to intrapreneurial intentions among engineering students, underscoring the value of diverse perspectives and interdisciplinary

Disciplinary Differences: The study illustrates distinct paths toward entrepreneurial and intrapreneurial intentions between engineering and business students, suggesting the need for tailored educational strategies.

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