# Linking Mindset to Entrepreneurial and Intrapreneurial Intentions in Engineering and Business

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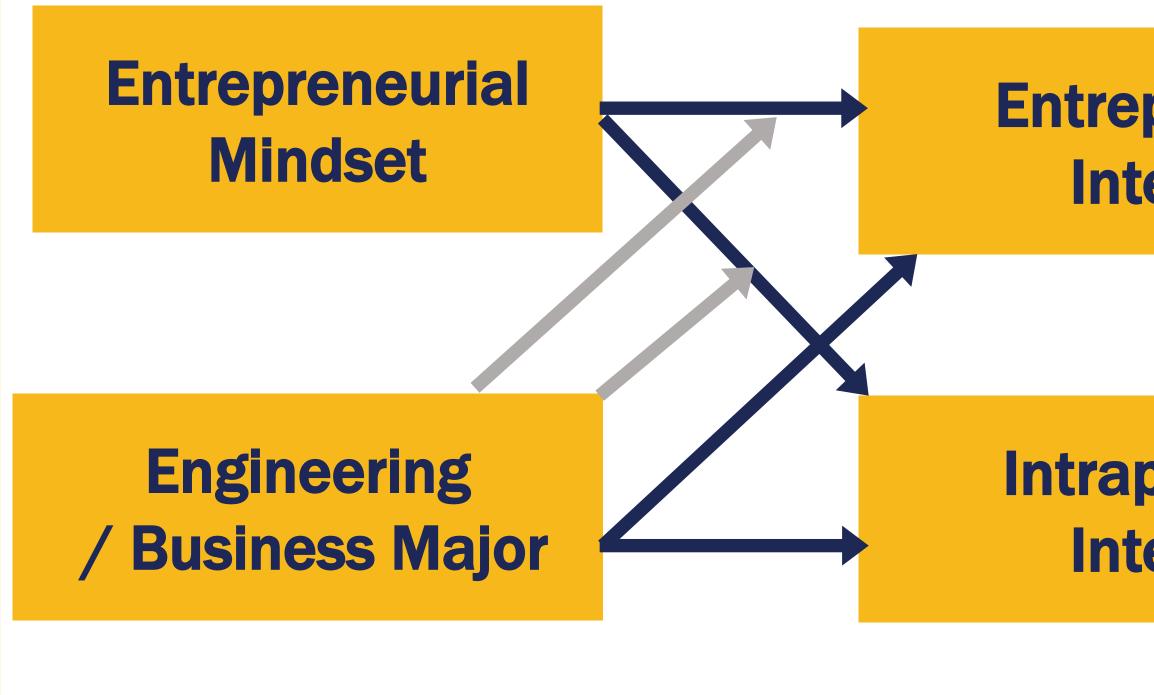
## Vision and Motivation

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**



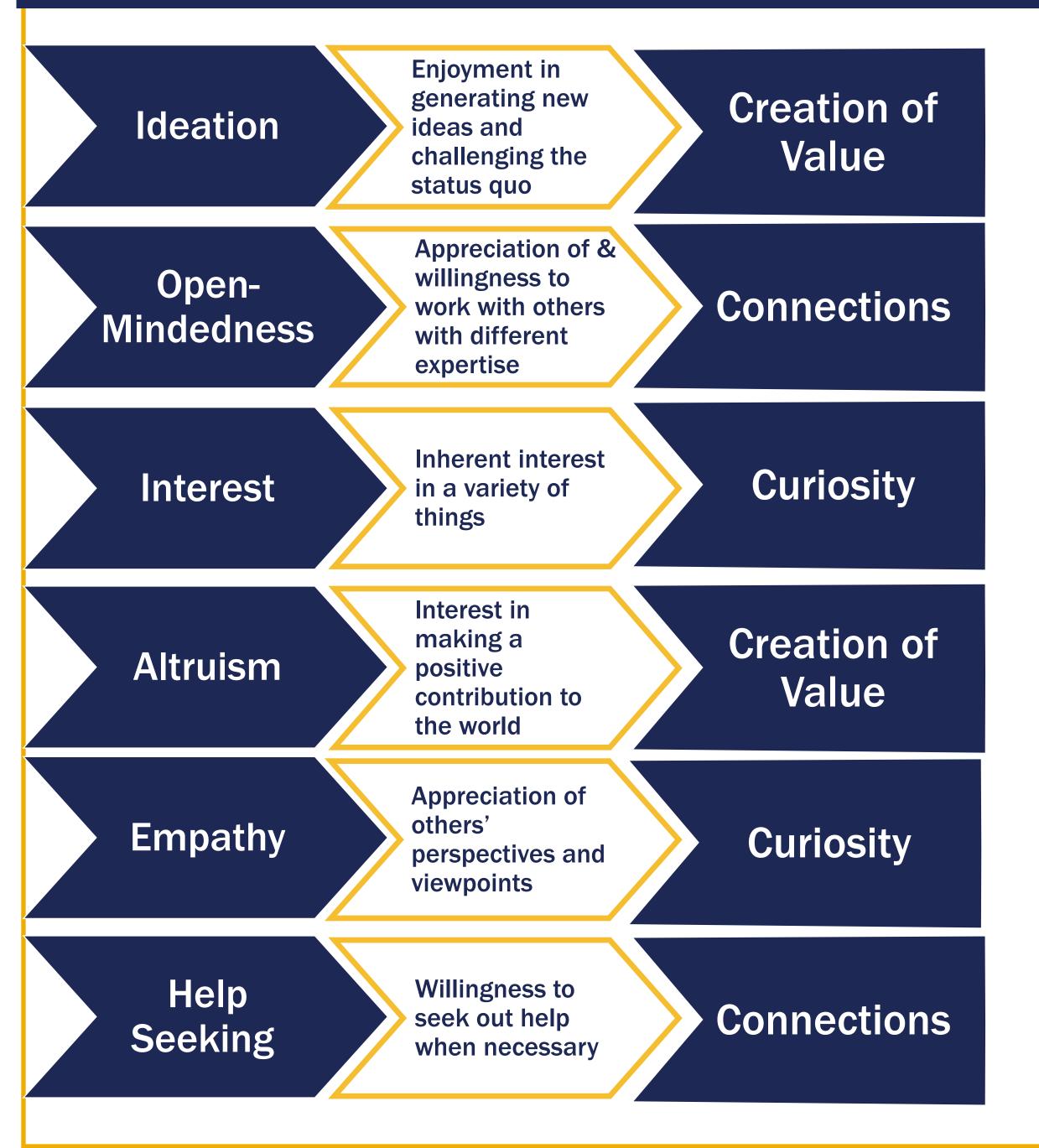
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# **Survey Instrument**

ESEMA Instrument<sup>1</sup> 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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