

AIMS² SUMMER RESEARCH

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2 TOPICS COVERED DURING SUMMER RESEARCH PROJECT

- An Introduction to Innovation & Entrepreneurship (I & E)
- Understanding of why I & E is important to engineers
 - What is an entrepreneurial mindset and how do you use that as an engineering?
- Product Development based on customer inputs (Lean Startup)
- What is the global supply chain & what is its importance to engineering firms?
- What is quality & why is it important for engineers to understand quality & quality management?

3 OUTCOMES OF SUMMER RESEARCH PROJECT

- Understanding what the research process is – what is actually doing research in I&E?
- Independent Thinker – understanding that there is no right or wrong answer
- Shift in mindset
 - Understanding I & E and how it could relate to different disciplines
 - Health & Wellness and to the Aerospace Industry
- Critical thinking and how to solve problems while taking customer feedback into consideration
- Understanding of supply chain management

4 OUTCOMES OF SUMMER RESEARCH PROJECT

- Helps student with idea development for senior design project & be a leader & mentor to senior design team
 - Incorporate I & E into senior design project through 2016-17 academic year
- Publishing a paper at the SHPE Conference in Fall 2016
- Continuing research on the topic
- Understanding the balance between independence in research and collaborating