

# Study the Competition

- Where have you placed?
- What were the lessons learned?
- Notice any trends?

Year	<i><b>U of M Dearborn</b></i>		<i><b>LTU</b></i>		<i><b>SJSU</b></i>	
	Place	Points	Place	Points	Place	Points
2012	24th	520.9	85th	191.7	30th	478.8
2011	97th	17.5	82th	181.3	22nd	509
2010	8th	708.3	75th	211.35		
2009	9th	656.06	52nd	278.47		
2008	76th	233.9	46th	377.1		
2007	40th	428.19	41st	421.41		

# KISS: Keep it Sweet & Simple

- Overcome the competitor's bigger budget by:
  - Making better decisions about the things that really matter
  - Use the time that you have more effectively...KISS
- If you are lost or unsure in your design stage, go back to basics: walk first, then sprint



# KISS: Keep it Sweet & Simple

- ◉ Analyze/Research/Simulate what component is absolutely necessary and what is not
- ◉ A part that doesn't exist:
  - Costs nothing
  - Weighs nothing
  - Cannot brake
- ◉ “*Simplicate and add lightness*”: Use simplicity as a means to build a lighter more robust car
- ◉ Use simulating software to understand your design, build a stronger/lighter part, earn knowledge and design points, grow as an engineer

# Believe in Your Design

- A specific design/package may work well for one team but not for another
- Don't try to replicate without research/analysis
- Base your design choices from your collective expertise and resources
- Give credit to your past members: improve on your design knowing previous research/work



# Agenda

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- Using Resources
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# Using Resources

- Members
- Faculty and Staff
- Alumni
- Facilities

