**Course: GE 105 Introduction to Engineering Design**

**by**

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**Tutorial (3)**

**Need Analysis, Objectives, Criteria, and Constraints**

Identify the potential (possible) market, establish customer needs, and then set up design objectives, design constraints (limitation), and criteria (measure) for design evaluation for the following devices:

1. Self-driving car
2. Cellphone charger powered by kinetic energy
3. Automatic floor cleaner
4. Futuristic smart car