**ENG142**

**Assignment on Criteria and Constraints**

**Due September 8, 2014**

Your team has been asked to design an environmentally friendly “smart” house in New Jersey. The house should be able to support a family of four. As a team, develop a listing of design criteria and constraints that could be applied to such a design.

1. Generate a problem definition
2. a- Provide a listing of 5 design criteria

b- Provide a listing of 5 design constraints

c- fill out the attached Realistic Constraints form.

One assignment should be submitted per team. All responses should be typed. Team member names should be at top of assignment.

# **SCHOOL OF ENGINEERING The College of New Jersey**

**Realistic Constraints**

**DIRECTIONS:**

**This form should be completed by explaining how each realistic constraint would apply to the given design situation.**

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| **Realistic Constraint** | **Remarks** |
| **Economic** |  |
| **Environmental** |  |
| **Social** |  |
| **Political** |  |
| **Ethical** |  |
| **Health and Safety** |  |
| **Manufacturability** |  |
| **Sustainability** |  |