**SysEng 6104 Project Task IV**

**Inputs for Architecture Generation: Architecture Assessment Model**

1. Based the functional architecture that you have provided in question two in Project Task III select a parameter that can measure functionality of each function, sub-function and sub-sub function. Like (MOE – Measure of Effectiveness or MOP – Measure of Performance or TPM – Technical Performance Measure.
2. The terms “Unacceptable”, “Marginal”, “Acceptable” and “Excellent” are generally used to assess the quality and validity of the architecture alternatives. Define the meaning of these terms in reference to your system. What are the impacts of key performance attributes that you have selected and defined as fuzzy terms in question one of Project Task III?
3. Give eight statements based on key performance attributes of your system to describe an “Unacceptable”, “Marginal”, “Acceptable” and “Excellent” architecture. Provide a kiviat chart for each statement. Here are two general examples.

Eg. “Architecture is unacceptable if it fails to reasonably compromise all key performance parameters”

“Architecture is marginal if key performance 3 is greatly compromised over key performance 1”