Outcome (l) Rubrics

**Ability to design a system that involves the integration of hardware and software components**

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| **Representative Student's Name** | **ID #** | **Term (e.g., T112)** | **Lab or Course #** |  | ***Evaluator's Input*** |
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| **Outcome** | **Score (1 - 4)** | **Exemplary (4)** | **Proficient (3)** | **Apprentice (2)** | **Novice (1)** |
| **Selection of hardware equipment and software** |  | Selection of hardware equipment and software follows a thorough approach where many criterions are used: performance, compatibility, standard compliance, protocol support, interoperability, manufacturer strength. | Selection of hardware equipment and software follows a thorough approach where few criterions are used: performance, compatibility, standard compliance. One or more relevant important criterions are ignored. | Selection of hardware equipment and software is based on the selection of a single manufacturer already integrated solution among several candidates. | Selection of hardware equipment and software is based on the suggestions of the marketing team of one single vendor |
| **Integration Methodology** |  | The integration methodology is well described and followed. Interfaces are well defined and their compatibility discussed. Use of an integration plan featuring integration phases and a test plan for each phase. | The integration methodology is well described and followed. Interfaces are mentioned but their compatibility is not considered. No use of an integration plan. Some mention of a test plan. | The integration methodology is not described properly and not always followed. Interfaces are not mentioned. No use of an integration plan. Tests are carried out without a plan. | An ad-hoc integration (No) methodology is followed but not described. No use of an integration plan. Tests are carried out without a plan. |