senior project guidelines and expectations

What will **not** be allowed

* “Hobbyist level” projects
* Single item “Instructables”-based projects (or Hackaday or similar online build tutorials)
* Projects that are functionally a lab
* Lab manuals
* “Hypothetical” projects, invented scenarios
* Multiple student projects with both students in the same or overlapping FOS (where both students share one of their two FOS – if one student has three or more FOS, pairing may be allowed on a case by case basis)

minimum Proprosal Requirements

* A pre-defined and agreed upon scope that clearly delineates the limits of the project – in writing
* Must be unique (specific to a need)
* Must not already exist
* Must add value
* Project should be a cumulating experience – topics from multiple courses should be evident
* Clearly defined level of integration between multiple pieces of hardware
* Project should be clearly tied to fields of study
* Multiple participant projects must be across non-related FOS (e.g. two automation people are not allowed, but an automation person and a microcontroller person would be acceptable)
* A written plan on how to address topics necessary for the success of the project in classes not previously taken or currently enrolled in will be addressed – this plan needs to be signed off on by the professors responsible for the classes

minimum Final report Requirements

* Lessons learned (list of unusual obstacles encountered and solutions)
* Log of all calls to tech support (include problem asked, solution(s) provided, web links received, etc.) including any web searches that resulted in information that was pivotal to the final solution
* Results of solution testing/analysis done of the final project