**Project 5\_Phase1 \_\_ Proposal format**

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| Option 2: Original Research  o Note: this option is geared more toward students who already have some knowledge of planning, or  that have a specific and well-defined idea. That said, I am happy to provide ideas to students who would  like to pursue this option but need help finding an original research topic to focus on.  o The format is the same as option 1 (implement in simulation or on a real robot, IEEE 6-8 page paper  and  o 10-12 slide in-class presentation), but instead of implementing a technique from the literature the  student will implement their own original ideas, ideally comparing them to at least one existing  technique from the literature. |

**Title (0.1 points)**

**Introduction (0.25 point)**

* Definitions
* Background
* Literature review

**Goal (0.15 points)**

* Option 1, 2 or 3
* Simulation or real-world implementation
* Outcome of the project

**Method (1 points)**

This section should include:

* Path planning Method
* Title of the paper/papers that you will implement or use (provide the pdf files
* List of software and package that you are planning to use
* Hardware requirements

**Timetable (0.25 points)**

* Break down the project to tasks and subtasks
* Put your time estimation for each task and subtasks

**References (0.25 points)**