AI & Robotics Project Proposal

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The total pages of your proposal is around 2 pages (about 750 ~ 1,000 words), no more than 3 pages. But your proposal should cover the following topics (including the citations). Lack of any part of them will be deducted 2 points. The project proposal is worth 9 points over the total 25 points of the project.

If the data sets and source code are used in your project, be cautious about the copyright and privacy policy. Do not include any sensitive and personal information in your datasets.

1. Project introduction (2 points)
    a. Motivation of this project
    b. Objective of this project
    c. Scope of the project
    d. Briefly introduce what the project is going to do, such as what the task, which algorithms will be focused on RL, components like agents, environment, etc.
    e. How to implement it and what will be in your demonstration and presentation
2. Background and related work (2 points)
    a. Background of techniques that you are going to use and implement
    b. What are the existing solutions for the similar or same problems, and what are the limitations of these solutions.
    c. Why your solution sounds or is a suitable one.
3. Problem definition and technical approach (3 points)
    a. What is the problem statement (a kind of research problem statement)
    b. Details of your technical approach, including particular algorithms, mechanism of exploitation and exploration, how to train the RL policy, etc.
4. Evaluation and expected results (2 points)

References (list all citations, use either MLA or APA style will be fine)

Reference is worth no point, but if you don't cite your sources, you will be penalized for plagiarism.