



PrairieLearn

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# Tasks

- Implement auto-grader
- Create questions for homework assignments, labs quizzes and exams
- Integrate emulator into autograding and lab testing



# Milestones

- Improve Auto Grader
- Interactive Question Development
- Implement Emulator
- Create Microcontroller





# Risks

- Low risk due to the entire project being software based.
- Biggest risk is failing to use our tools properly due to inexperience
  - Around a .4
  - Mitigation plan is to do research ahead of time for alternative solutions to potential issues that may come up



# Effort Requirements

<b>Task</b>	<b>Projected Effort (High/Medium/ Low)</b>	<b>Total Person Hours</b>
<b>Improve Auto Grader</b>	Medium	30
<b>Create Questions for Assignments/labs/quizzes/ exams</b>	Medium	60
<b>Integrate Emulator</b>	High	120
<b>Integrate Physical Microcontrollers</b>	High	180

