Engineering Principles Name_____
Electrical Engineering
Color Wheel 4.8.1 Doc: Final Report Date_____ Team _____

Problem statement

Develop a persistence-of-vision color wheel utilizing 8 RGB diodes and an Arduino UNO R3 board.

Documentation: Final Report (30 points)

Your team will be responsible for a final report of the project. The final report should be printed (hardcopy) and needs to include all of the following:

1. A list of team members and their prime responsibilities (1 point)
2. A description of the project goals (problem statement) (1 point)
3. A brief description of the tasks that were completed by each of the individual team members. (3 points)
4. A photograph of the completed project hardware (5 points)
5. A listing of the final functioning Arduino C source-code (5 points)
6. A schematic showing all connections to Arduino - I can assist in scanning or copying your original schematics if necessary (5 points)
7. A discussion of challenges or surprises that the group encountered and how you overcame them as a team (10 points)

Preparation

Work with your team members to start gathering information for this report. Feel free to delegate responsibilities as needed.

The discussion of challenges and surprises is the single most important part of this report. Take notes in your team meetings as you discuss technical challenges with your team members. Also note any scheduling or resource issues. Consider the following questions while preparing this section of the report:

- Were team members able to deliver when the team needed them to?
- Did some aspects take longer than others?
- How did you and your team deal with time constraints?
- How did you deal with physical constraints?
- What did you or your team members learn while doing this project?
- What specific suggestions do you have to make the project better in the future?