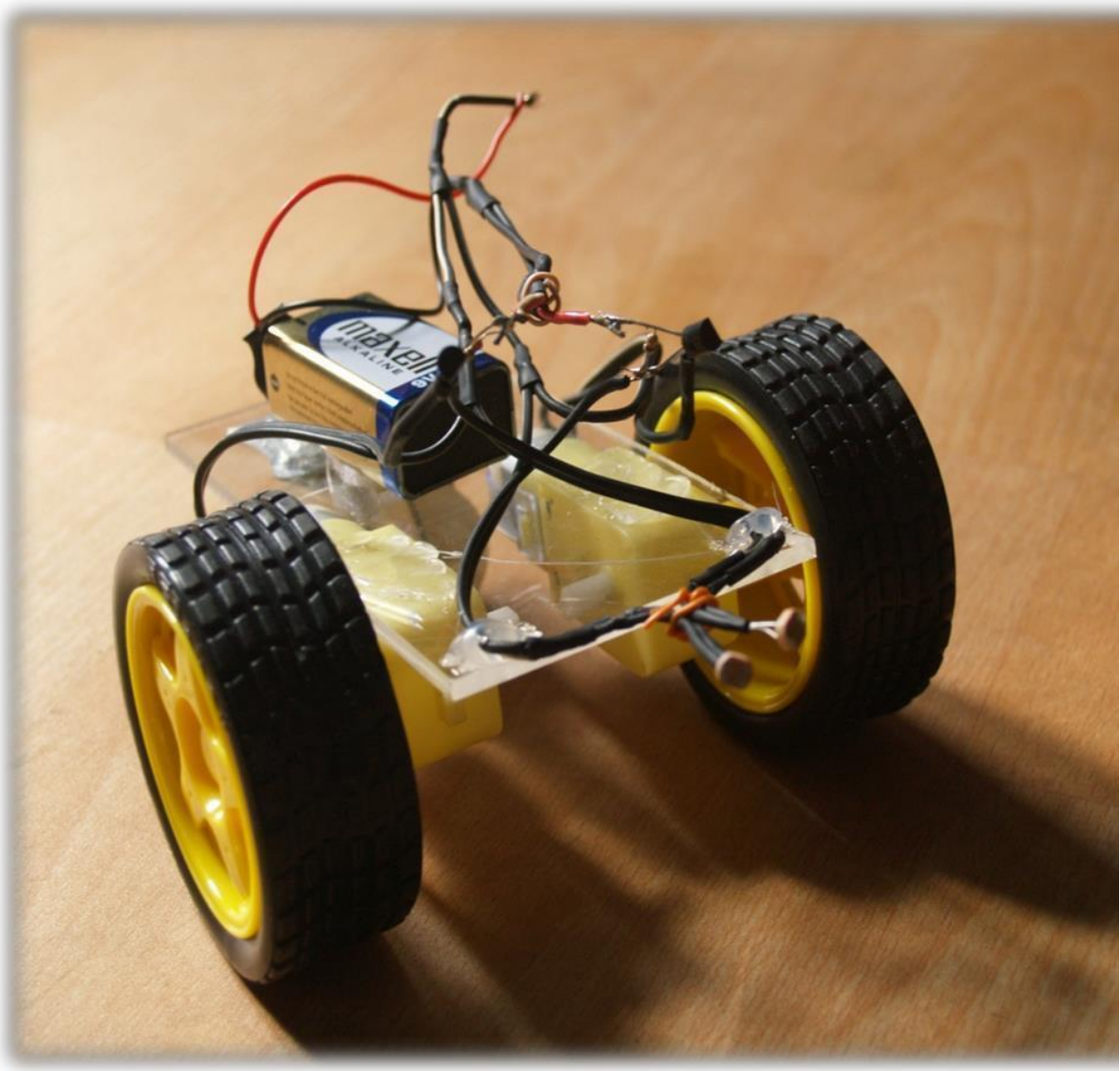


Light Following Bot



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1. Introduction

Dr. Jack Dawkins wants to design a robot able to follow an illuminated path that leads to a mysterious cave in the forests of Sikara where an important element lies for his research. It would be better if the robot reaches there in minimum time because he is not the only one behind it.

2. Problem statement

Task is to build a light follower robot without microcontroller. Bot will follow light in a particular path (arena) and reach destination in minimum time...

3. Event Rules and Specifications

3.1. Team Size

- Students from different colleges can form a team. A team may consist of at least 2 members and should not exceed more than 4 members.
- The students must carry valid student ID cards of their college which they will be required to produce at the time of registration.
- Participants shall not be allowed to be a part of more than one team.

3.2. Eligibility

Any student from a recognized institute/college can participate in this event.

3.3. Rules

- Teams will not get any extra time for practice, testing or calibrations on the main arena before the final run. There will be separate arena for practice.
- There will be certain number of check points on the track, which will be informed to the participants before the start of the run. If a machine touches boundary of track, then it will be placed back on the last check point the machine has passed.
- The timer will keep running during this process. No Strategic timeout advantages are given. If a Bot is unable to move for more than 30 seconds then it will be disqualified.
- There should be on board power supply not exceeding 9V.
- Torch/light emitting instrument will be provided by event coordinators.
- Microcontroller in bot is not allowed.

3.4 Specifications and Skills Required

- The robot width must not be more than 23cm.
- Maximum voltage in the circuit should not exceed 9V at any time

4. Judging Criterion

The winner will be decided on the basis of minimum time taken by the autonomous robot to complete the track.

- If the robot collides with boundary then it will be placed back on the last check point the machine has passed.
- The top three teams will be granted with certificates and prizes.
- Certificate of participation will be given to all teams participating in the event.
- Time measured by any contestant by any other means is not acceptable for scoring. In general, the decision of the organizers will be final and binding in all circumstances.

All decisions taken by the organizing team will be deemed as final, and no more changes will be encouraged, thus holding the full authority to change any of the above rules as per circumstances.

5. Resources

<https://www.youtube.com/watch?v=gywjDOd1Lx0&spfreload=10>

6. Contacts

Devesh Jangid

+91-6377904441

Ayaz Aslam

+91-9630059736