

Autonomous Snakes n Ladders

Abstract

Introduction:

“Autonomous Snakes n Ladders” is the popular Snakes and Ladders game but with some additional features such as automatic movement of pieces using slider rods and electromagnets. Arduino code will direct the motion of motors.

If possible we can add an image processing part that can detect the input on the dice and make the game more autonomous.

Components used and costs:

- Arduino – 1- Rs 800
- Servo motors – 3 – Rs 1500
- Gears - Rs 100
- Slider Rods – Rs 100
- Electromagnet and miscellaneous – Rs 1000
- Acrylic Board – Rs 500
- Total Cost – Rs 3500-4500

Plan of Action

Week 1() :

- To do research on project.
- To select and buy the components required

Week 2() :

- To learn coding
- To implement coding

Week 3() :

- To start the mechanical assembly

Week 4() :

- To complete the Mechanical Assembly
- Check the working

Week 5() :

- For Debugging and finishing the project

What we expect to Learn

We r Confused but hope to learn about arduino and different motors :P

Team Members

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