**Robot Programing Proposal**

**(Snehan’s culminating)**

By Rodrigo

**Story:** One day in programming class, the teacher, Ms. Kemp, decides to give her students an assignment. Since she likes robotics and has access to Lego parts, she assigns a Lego robotics obstacle course to the students. The objective is to get through the obstacle course the fastest and the winner gets a gift card to Indigo. Since Snehan is hungry for knowledge and food, he wants to win the gift and buy a culinary book.

**Task:** The task that Snehan’s robot will have to complete is an obstacle course. He will have to program the robot to move around the course and at the end use the light sensor to find the dark line and stop at the edge. At the end of the program the robot should play a little song. If the robot bumps into something it should let out a small beep and reverse.

**Equipment needed:** Obstacles (Boxes, pencil cases, etc.), dark strip

**Sensors required:** Touch, ultrasonic, light sensor

Robot

End

START