# Robotic Fertilizer Spreader

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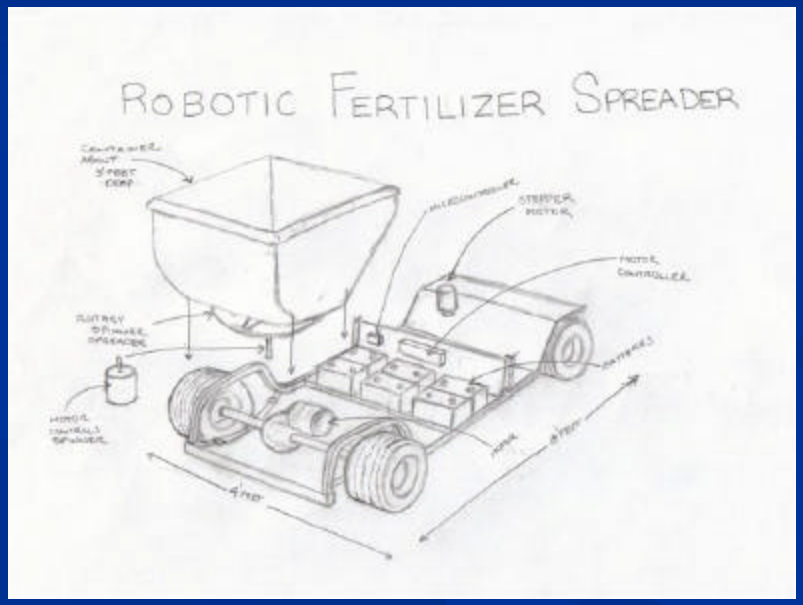
# Introduction

Fertilizer Spreader

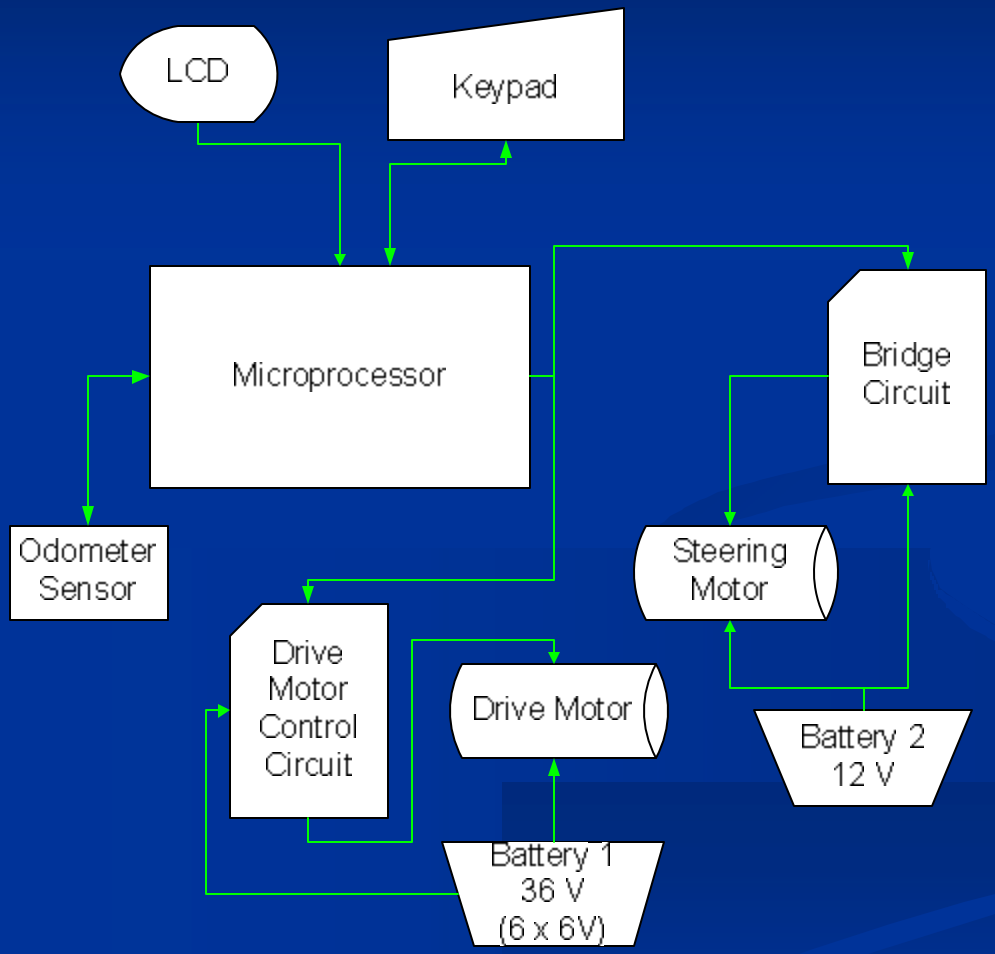



- Automated.
- User defined.
- Computer controlled.
- Able to do a football field in less than an hour.

# Project Objectives

- Create an automated computer controlled fertilizer spreader.
- Fertilize medium sized rectangular field such as football fields.
- Constructed from an old golf cart.

# Hardware Outline



# Design

- Tank capable of holding 200lbs of fertilizer.
- Stable Chassis and Power Motors.

# Cost Analysis

| Full Cost Analysis | |
|---|---|
| ITEM | COST |
| Steering Motor | $57.00 |
| Battery (8051) | $2.00 |
| Wood for Tank | $12.00 |
| Keypad | $19.95 |
| LCD Screen | $7.95 |
| Microcontroller & Board | $70.00 |
| Relays and Transistors for Bridge Circuit | $15.00 |
| TOTAL | $183.90 |

# Problems Encountered

- Working Space for project.
- Finding an adequate steering motor.
- Controlling the steering motor.
- Battery Power for both motors.

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END