Voice Controlled RC Device

Team VR

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Project Overview

• Introduction
  – Applications
  – Features
    • Wireless Transmission
    • Voice Recognition
    • Mapping System
    • Object Detection
Project Overview

- Robot Car
  → Object Detection/Avoidance
  → Mapping System
  → Relay information to remote

Diagram:
- GEARS
- MOTOR CONTROLLER
- SENSORS
- ATMega32
- X-Bee
Project Overview

- Remote control
  - Voice input commands
  - D-Pad controls
  - Wireless transmission
  - Mapping system input
Project Overview

• Components
  – Atmega32
  – XBee wireless chip
  – HM2007
  – Motor Controller
  – Sensors

• Estimated Costs
  – Complete Design ~$200
Progress to Date

• Project Proposals
• Project Research
• Ordering Parts
• Preliminary Design Report
Current Work

• Assembling the robot car
• Testing X-Bee chips
• Begin early stages of coding
• Ordering parts as needed
Updated Gantt Chart
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