Dodge This!

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Dodge This! Overview

• Idea:
  – Tracking robot that will track people down and shoot them

• Goal
  – To track a person and hit them

• Approach
  – Detect people by using IR camera and hitting them by using a ping pong launcher system
Dodge This! Concept

• Tracking concept
  – Using:
    • Wiimote (IR camera)
    • LED glasses
    • Laptop
    • Talks serially to microprocessor (Atmel)

• Launching concept
  – Using
    • Atmel uP
    • High speed electric-brush motors
    • Solenoid
    • Ping pong balls
    • Pan system

1/29/2009
Gantt Chart

Available Weeks in Fall 2008

- Introduction (team)
- Research/project proposal (team)
- Build targeting system (Derek)
- Build launch and pan system (Cris)
- Incorporate code to launch ball (Team)
- Build player interface (Team)
- Debugging
- Demo and final presentations (team)

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