

Project Name – “Bekham”- A wireless soccer robot

Problem Statement- To make a robot capable of controlling a ball and dribbling it into the opponents goal

Project Budget- INR 5000

Description-

I kept upgrading the CRWLRs body frame eventually making a welded box one. I incorporated holes for mounting of additional attachments. Using pieces from an old Mechanix toy set I built a ball trap attachment which could be bolted onto the CRWLR making it into a soccer robot.

A wired version of this was also made in case the wireless system fails.

Materials Consumed-

1. 1mm sheet metal.
2. Nuts/ Bolts/ Screws
3. Motor Clamps
4. 120 RPM Motors
5. Relay Board
6. Arduino Uno
7. HC06 Bluetooth Module
8. PDB
9. 2200mah Lipo
10. Custom made wheels.