

FINAL PROJECT PROPOSAL

**Names: Dylan Howe and James MacMillan**

**Project: Remote control redbot (Bluetooth)**

**Part A: Project Ideas & Objectives**

**-Hook up a bluetooth module to arduino and control it using a cellphone app**

**-Write code for Arduino to respond to Commands from an Android Bluetooth remote control app**

**-Possibly develop own app for more customized controls**

**-Have Arduino control redbot movements via bluetooth remote control app**

**Part B: Electronic Resources**

**-Bluetooth controller app and source code:**

[**http://randomnerdtutorials.com/arduino-control-2-dc-motors-via-bluetooth/**](http://randomnerdtutorials.com/arduino-control-2-dc-motors-via-bluetooth/)

[**http://www.ebay.com/itm/1pc-HC-05-6-Pin-Wireless-Bluetooth-RF-Transceiver-Module-Serial-For-Arduino-DG-/172044890223**](http://www.ebay.com/itm/1pc-HC-05-6-Pin-Wireless-Bluetooth-RF-Transceiver-Module-Serial-For-Arduino-DG-/172044890223)

**Part C: Materials, Design**

* **Android Phone**
* **HC-05 Bluetooth receiver ($4 on Ebay)**
* **Arduino**
* **Red-bot**
* **Bluetooth Remote App**