Team-- TECHNORATI

Project Name- droid R2-D2

Project briefing: It is a basic quad but with many modifications, like surveillance camera, landing pad identification and tyres which enable it to move on ground (smooth).

Components required: styrofom, xbee, ardeno, camera, servo motors, image processing software and other basic electrical components. Price – not able to determine.

Rough Timeline:

WEEK 1—develop the design, assemble hardware and make the body while learning image processing.

WEEK 2—work on the electrical part, assemble the circuit and integrate it with the body, and making it fly

WEEK 3—setup a camera on the quad, and use image processing to identify a landing site (encoded previously) and land there

WEEK 4—set up an android app that will control the quad with the help of the camera's feed

WEEK 5—Fine tune the things and carry multiple tests and improvisation

At the end of the project, we expect that we would have acquired a wide range of skills including circuit design, image processing, android app development, mechanical skills, along with the experience of having used different fields of technology to make something efficient.