Eurobot 2013 technical survey

Team 5

Deadline 16 april 2013

Hasaam Ali Yousaf, Namra Basheer

Components Ysed:wheels, Battery(11.1V), Arduino, Stop Switch, Micro Switch, Strip Board, Castor Wheel, Fuse, Battery Conector.

All components are supplied by Uni.

I found it though to buit this Robot But at the end I did it Successfully.The componets I used were supplied by Uni but I spent 50 Pounds to get some stuff e.g casture wheels, threaded rods etc.It was difficult for me to understand the Rules in the beginning but by going through it again and again it found it fine.The function of the Robot is to collect Glasses and collect them back in own area.The Robot will go forward till the end of square where the glasses areand the move left and drag the glasses to its own area.Arduino code is programmed to perform different functions like.The robot will move forward and turn right to hit the gift.The code id designed using Arduino.I am using HUB-EE-S powered wheel Hub-120:1 Metric with Encorders in it. We have got 90 Seconds to perform as many tasks as we can.I was very carefull in measuring the height (510m) of the Robot as it is important to Qualify.I were planning to use Servo motor in the beginning but afterwards I thought not touse it as I my focus was to hit the gifts to push them down.I had different plans in the begninng but went with the most simplest one in the end,Because the most simple your design is the more points you can score.I tried to be simple but going well, scoring points.