1RE11 >C

PATH RETRACING BOT

1. Briefly provide a Project Description including the reforms made by your seniors and mentors?

->The idea is to make a system in which if a robot is taken from one point to other point it will retrace its original path. To make such system we will need a local positioning system. The type of sensors to use has been shifted from ultrasonic to laser.

2. Full Plan of Action (POA) of the Project?

1) Testing of the magnetometer and interpreting its output and writing the arduino code to take the readings and storing it.
2)Testing of the lasers and the LDRs and finalising the sensors if they give good results otherwise shift to the rf sensors.
3)Making the chassis.
4)Testing the rotation of the upper level chassis.
5)Mounting the sensors and do the debugging.

3. What work was planned to be completed till 11th May and what work was actually completed?

Planned—Testing of the magnetometer and servo motors and writing the arduino codes. This work has been completed.

4. Give an estimate budget of the project (Budget should be made keeping in mind all the components required), divide it in categories. What purchases were made till 11th May?

Estimate-- Rs 6000
Purchases—Magnetometer,encoders,servo---Rs 2100

5. What problems did you face with respect to project work in this time? Did you find a solution to them or are they still pending? What was the solution to these problems?

The problem is to decide which sensor to use to make it more practical. Now there is a choice between light and RF sensors. The sensors are still under testing.

6. Contribution made by each team member?

Its not possible to distinguish the work done by different members as all did the testing of the sensors and writing the codes.
A-
B-
C-
D-
*E-

7. What was discussed in the 1st and last meeting before 11th May with your mentor?
   The plan of action and the type of sensors.

8. What is the work-plan for the next week?
   Testing of sensors and finalising and buying the sensors.

9. Project Pictures- Upload these pictures on the facebook group (ITSP 2012) also.
   No pictures have been taken since only testing was done..