

## **Project 3 – Deliberating and Acting Team Organization and Task Allocation Proposal**

### **Team structure**

From the previous experience the team structure remained the same with three main and fourth giving helping hands in either of the members mostly going for software or hardware. With one for software, one for hardware, one for documentation and the fourth one helping guys in software or hardware. This type of organization proves fruitful helping every one of us to get hands on all the aspects of a project.

### **Task Allocation**

Task allocation was purely rotational basis among the group members. From the experience and success of our previous projects we divided the whole thing of this project into three rather trying to split into four. With one going for hardware, one for software, one for documentation and the fourth member helping the other members in software or hardware. And finally the task of testing, it was not assigned to any body in particular as we felt from our previous experience instead assigning it to one or two it would be lot better with all.

### **Software**

This is a part of project that's always been playing a real crucial role. Each one of were trying to get hands on this thing in turn. In the first project it started with Manohar laying hands on it then it was passed on to Tim in the second and now its passed on to Adam. Adam started on with hardware in the first as he was little acquainted with Lego. Later on he took on documentation in the second. He was a sleeping partner in regard to software in both projects but he kept his eyes open just to make sure he would be feeling little acquainted rather making himself stranger to this kind of coding when comes to his turn. And now he felt he is ready enough to take up the task. In this project he will lead this part with Romain's backing.

### **Hardware**

This is another part of project that's also been playing a crucial role. Even in this case also each one of us tried to get hands in turn. In the first it was started with Adam as he had knowledge of Lego then passed on to Romain just to make him get hands on it with help of other group mates. And now it's passed on to Tim. Tim, started with documentation in the first project as it was starting and he wanted other members to get feel of software, hardware as he is little acquainted in this field. Later on the second project he took onto software and now on third project he took the task of building hardware. He found himself to be little more acquainted then others because of his background in dealing with CMU cam. So we all found it to be wise to give him the hardware part.

**Documentation**

Because of tight schedule from his other classes, Manohar will be preparing all the required documentation. “Team Organization and Task Allocation” and the “Timeline / Milestone” will be based on the initial meetings after class. The final documentation will utilize the write-ups describing robot subsystems supplied from supporting team members. These write-ups will be assimilated into a formal document that ultimately represents the team’s voice. Following the preparation of the final report, Manohar will begin the layout for our Presentation.

**Testing**

The team as a whole will take part in the testing and final integration of the robot’s subsystems. This worked out well for the previous projects, and we anticipate that it will remain a good plan for this one too.