

RaLaZaBa ELECTRONICS

2nd Weekly Report

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Done

- We wrote business statement report.
- We specified metrics in basis of project without scoring.
- We continued the research regarding to the four problems.
- We reviewed our knowledge on image processing before attending the lecture.

To Do

- We will create basic block diagrams of the projects to help us determining.
- We will choose one of the project and we will search solutions to it.
- We will take image processing subject and study image processing ourselves.

Metrics without Evaluation by Points.

According to our metrics that we specified roughly last week, we made comments about four projects. This table will help us to determine our metric scores precisely. This step is an important step to decide the project which is best appropriate option for our team.

Projects \Metrics	Image Processing Intensity	Mechanical Design Challenges	Time Cost	Manufacturability	Amount of Subsystem	Know-How	Fun
Project 1	Image processing is most important sensing unit.	There is no mechanical junction, it is easy to design as mechanical.	Not anticipated .	Implementation of sensing unit is hard to sense in high viewpoint	Not anticipated.	It is suitable.	So so.
Project 2	If autonomous part is supposed to be used, it requires a image processing.	The hockey may be beaten by mechanical junction.	Not anticipated .	It has complicated mechanical parts.	Not anticipated.	The signal transfer may be difficult due to lack of interest.	It may not be funny.
Project 3	Image processing might be important with respect to using optical sensor.	It is standard vehicle design, it has not specific design.	Not anticipated .	Control system is hard to implement to vehicle	Not anticipated.	Motor driver and control with PID is close to us.	It can be funny, and it is competitive.
Project 4	Image processing may not be required.	Moving device is enough.	Not anticipated .	Lidar or distance sensor design is hard.	Not anticipated.	It is suitable.	It can be funny, and there are some trends at industry in similarity with this projects.