

Group number: 07

Project title: Electromagnetic Train

Client &/Advisor: Professor Song Jimming

Team Members &/Role: Yap Yong Sheng (Team Leader), Norfarahin Nordin (Communication Leader), Chung Sheng Su (Webmaster), Shi Xiang Lim(Concept Key Holder 1), Mustafa Hafez(Concept Key Holder 2)

○ **Weekly Summary**

Throughout this week, we do not have any formal meeting with our client and advisor. This week is allocated for the team members to find researches, materials, readings, and video or media that are related to our project scope.

A meeting among team members are held to discuss about what the scope of the parameter that we want to set up.

We also discussed and make a timeline for the project progress.

○ **Past week accomplishments**

- Team Leader: Worked on the fixed date for weekly meeting with advisors.
- Communication Leader: Record all planning and write weekly report meeting.
- All team members: Find reading materials and media related to the project. Get good understanding on the concept.

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Yap Yong Shen	Team Leader	1	4
Norfarahin Nordin	Communication Leader	1	4
Shi Xiang Lim	Concept Key Holder 1	2	4

Chung Sheng Su	Webmaster	1	3
Mustafa Hafeez	Concept Key Holder 2	1	3

○ **Comments and extended discussion**

There are 3 main points that we discussed during the team members meeting:

1. The progress of finding the reading and research materials. Some of us has started and some still finding the related materials about electromagnetic train.
2. We also setup the timeline for the project for this semester:
 - Feb-March (estimated for 3 weeks): (i) set up parameters, (ii) plan steps an early procedure, and (iii) order materials needed
 - Middle of March to April: Start the project, test the method, and able to explain the reasoning behind parameters and the outcome.
 - May: Demonstration of preliminary findings.
3. A set of general parameters are set up for a more detail discussions next week. The following shows aspects that are taken into account of setting up parameters:
 - Coil Thickness
 - Coil Length
 - Type of Permanent Magnet
 - Strength of Magnets
 - Coil Conductivity
 - Type of Coils

○ **Plan for coming week**

- All team members: Refresh the basic concept of electromagnetic flux. A decision whether power source will be use in this experiment will be decided later.

○ **Summary of weekly advisor meeting**

There is no advisor meeting this week. A meeting is arranged with the advisor to be in next week.

Grading criteria

Each weekly report is worth 10 points. Scores will be awarded as follows:

- **8 – 10:** Progress for your project seems to be suitable. Documentation and hours reported by team members are adequate.
- **6 – 8:** There is scope of improvement both in your report and your project progress. Can consult with instructor/TA after class for further inputs.
- **< 6:** Please talk to instructors/TA after class hours about any difficulties that you/your team is facing.