

**Group number: DEC1707**

**Project title: Electromagnetic Train**

**Client &/Advisor: Professor Song Jimming**

**Team Members/Role:**

- 1. Yap Yong Sheng (Team Leader)**
  - 2. Norfarahin Nordin (Communication Leader)**
  - 3. Chung Sheng Su (Webmaster)**
  - 4. Shi Xiang Lim, Larry (Concept Key Holder 1)**
  - 5. Mustafa Hafez(Concept Key Holder 2)**
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○ **Weekly Summary**

Throughout this week, we have a meeting with Professor Song. In this meeting, we discussed about the schedule for the development of the mini model during summer and fall. We also discussed about the facility that would be available for us to do more testing on the project during summer semester.

● **Past week accomplishments**

**Yong Shen**

Today, Chung Sheng and I built the small sample tracks on the board. Last week, we built the track with 9 turns/inch and we need to find the most suitable speed in making the track. So, we built 5 different tracks and they are 7 turns/inch, 8 turns/inch, 9 turns/inch, 10 turns/inch and 11 turns/inch. In this way, we can prove 9 turns/inch is the best track compare with others. By proving it, we need to record and compare the time that require a train to pass through the tracks and do some calculations.

**Larry Lim**

- Compile information for presentation

- Preparing slides

***Chung Sheng Su***

This week, I am in charged in building tracks for the electromagnetic train with a variety of variables for the number of turns per inch on the coils. Yong Shen and I built the coils with variables of 7 turns per inch, 8 turns per inch, 9 turns per inch, 10 turns per inch, and 11 turns per inch. We have yet to test out which one can produce the highest speed among these variables.

***Norfarahin Nordin***

Throughout this week, I have been preparing for the presentation materials, video, or animation to be shown during the presentation next week. I also prepared the weekly report for this week as part of the documentation.

○ **Pending issues**

We would like to replace the base of the coil as we need a larger dimension of the track model.

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Yong Shen	Built the small samples for the electromagnetic train track.	3	33.5
Farah Nordin	Preparing materials for the presentation next week.	3	38
Larry Lim	Prepare slides for the presentation	4	39
Chung Sheng	Worked on the website for the group project, set up the coil gap and fix it to the board.	4	36.5
Mustafa Hafez	Worked on the research and information for the presentation.	3	32

○ **Plan for coming week**

Test out the small samples of the track.

- **Summary of weekly advisor meeting**

In this week, we discussed about the planning of developing the project during summer and fall.