

## Schedule (Fourth Year – Semester 1)

Fourth Year – Semester 1															
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1) Setup the timeline	■														
2) Project research	■	■	■	■	■	■	■	■	■	■	■	■	■		
3) Drafted business plan	■	■	■	■	■	■	■	■	■	■					
4) Reading		■	■	■											
5) Technology research			■	■	■										
6) Materials research				■	■	■									
7) Interview					■	■									
8) Persona analysis						■	■	■							
9) Scenarios analysis						■	■	■							
10) Sketching					■	■	■	■	■						
11) Concept model									■	■					
12) Review / 2 <sup>nd</sup> interview										■					
13) Feedback analysis											■				
14) Mock-up model											■	■			
15) Review / 3 <sup>rd</sup> interview												■			
16) Feedback analysis													■	■	
17) CAD drawing														■	■
18) 1 <sup>st</sup> Prototype															■

## Details

- 1) Setup the timeline – Create Schedule to monitor the whole project.
- 2) Project research – Research related information and different methodologies for project.
- 3) Drafted business plan – Analysis risk, budget and time of project is it reasonable for market.
- 4) Reading – Reading any article and case study from expert or related topic.
- 5) Technology research – Research some existing technologies to backup the project.
- 6) Materials research – Research which materials is suitable for this project.
- 7) Interview – Interview some users to collect the information for the project.
- 8) Persona analysis – Create persona to understand what benefit for different users.
- 9) Scenarios analysis – Setup different scenarios to make the aim of project is clearer.
- 10) Sketching – Sketch a different concept form different ideas.
- 11) Concept model – Make concept models to represent different ideas.
- 12) Review / 2<sup>nd</sup> interview – Interview different kind of user and collect the feedback.
- 13) Feedback analysis – Develop the concept using the data from users.
- 14) Mock-up model – Make a 1:1 scale model to show the structure and installation.
- 15) Review / 3<sup>rd</sup> interview – Interview some users and collect the feedback again.
- 16) Feedback analysis – Decide which concept is the most potential from user feedback.
- 17) CAD drawing – Start to do the CAD drawing and 3D modelling using SolidWork or Rhino.
- 18) 1<sup>st</sup> Prototype – Make the prototype to show the outlook and function.

## Schedule (Fourth Year – Semester 2)

Fourth Year – Semester 2															
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1) 1 <sup>st</sup> Prototype	■	■													
2) Review / Final interview		■													
3) Feedback analysis			■												
4) Materials sourcing			■	■											
5) CAD drawing				■	■	■									
6) Fully functional prototype					■	■	■	■	■	■	■				
7) Self-testing												■			
8) User testing												■			
9) Final refinement													■	■	
10) Evaluate project													■	■	
11) Business plan													■	■	
12) Presentation															■

### Details

- 1) 1st Prototype – Continue and finish to make the prototype
- 2) Review / Final interview – Final interview users to collect to collect their feedback.
- 3) Feedback analysis – Analysis all data and feedback, which are from the beginning to now.
- 4) Materials sourcing – Seek any suitable and potential materials for the project.
- 5) CAD drawing – Complete the CAD drawing and 3D modelling within every detail.
- 6) Fully functional prototype – Make a fully functional prototype on 1:1 scale.
- 7) Self-testing – Test the fully functional prototype by self.
- 8) User testing – Test the fully functional prototype by different types of user or experts.
- 9) Final refinement – Use the testing result to final refine the project.
- 10) Evaluate project – Evaluate the project to make the better final result.
- 11) Business plan – Complete the business plan to avoid the production is out of control.
- 12) Presentation – Make a poster and present the project.

### Conclusion

This project will be spend one year for the research, design, review, interview, development, testing and presentation. Therefore, an accuracy project schedule is essential. In this project, it will be separated to 2 a half year. And then setup some checkpoints on the schedule. Those checkpoints are used to monitor the process of the project. At the beginning of project, the research is very important because it can found out more useful information and experience to develop the project. Therefore, different researches have to do in different section. Moreover, according to the above schedules, there have some reviews and interview to collect data and feedback. This data and feedback can make a better result of final product. In addition, self- testing and user testing can avoid the risk occur. Finally, following the schedule can run the project more efficient.