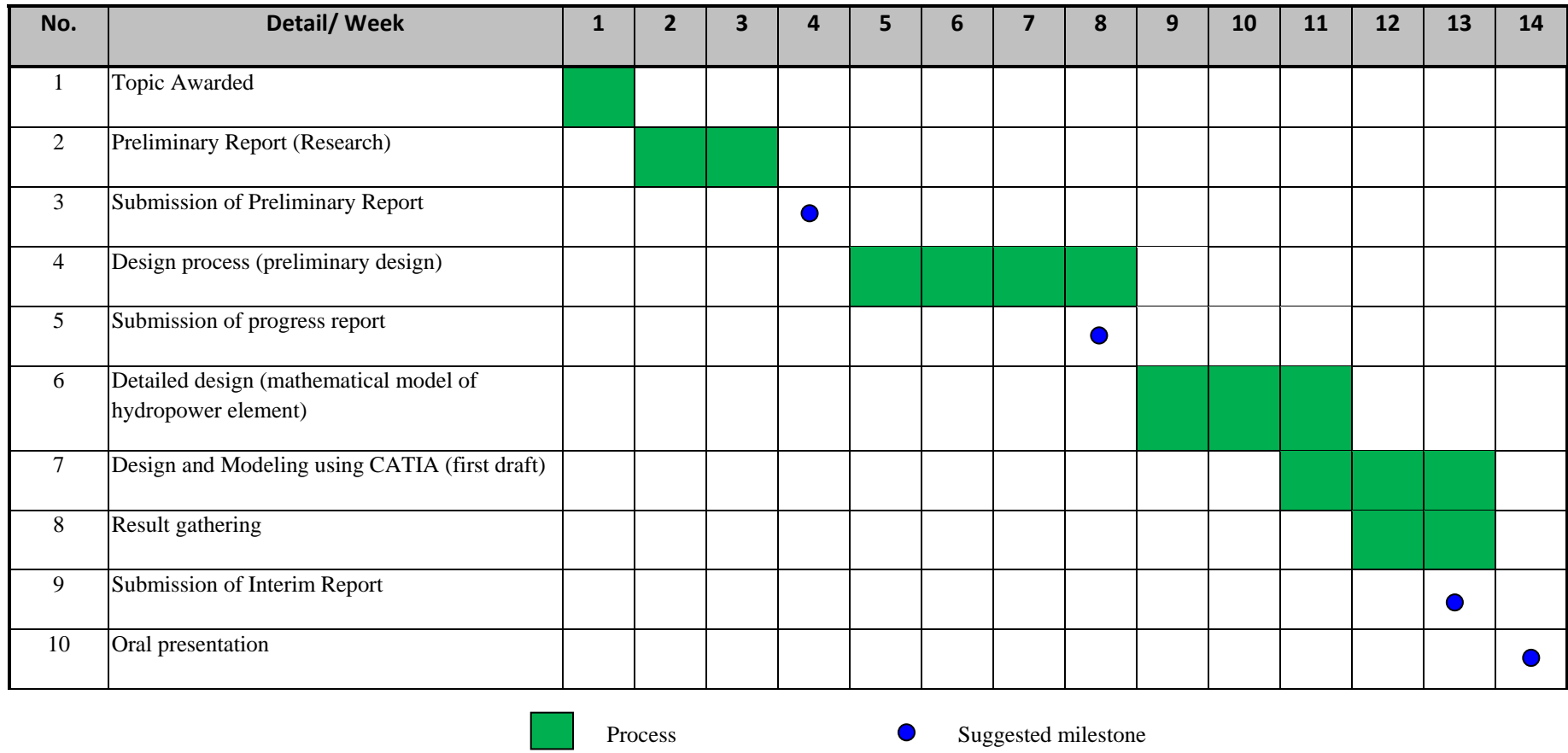


APPENDIX A

Gantt chart

The following Gantt chart is the schedule for this project for the first semester



The following Gantt chart is the schedule for this project for the second semester

No.	Detail/ Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Detail design (mathematical model of turbine element)	█	█	█	█										
2	Submission of Progress Report I				●										
3	Design and Simulation (CATIA)					█	█	█	█						
4	Submission of Progress Report II								●						
6	Seminar									●					
7	Project work continue									█	█				
8	Poster Exhibition											●			
9	Stress Concentration Analysis (ANSYS)											█	█	█	
10	Submission of Dissertation (softbound)													●	
11	Oral presentation													●	
12	Submission of Dissertation (hard bound)														●



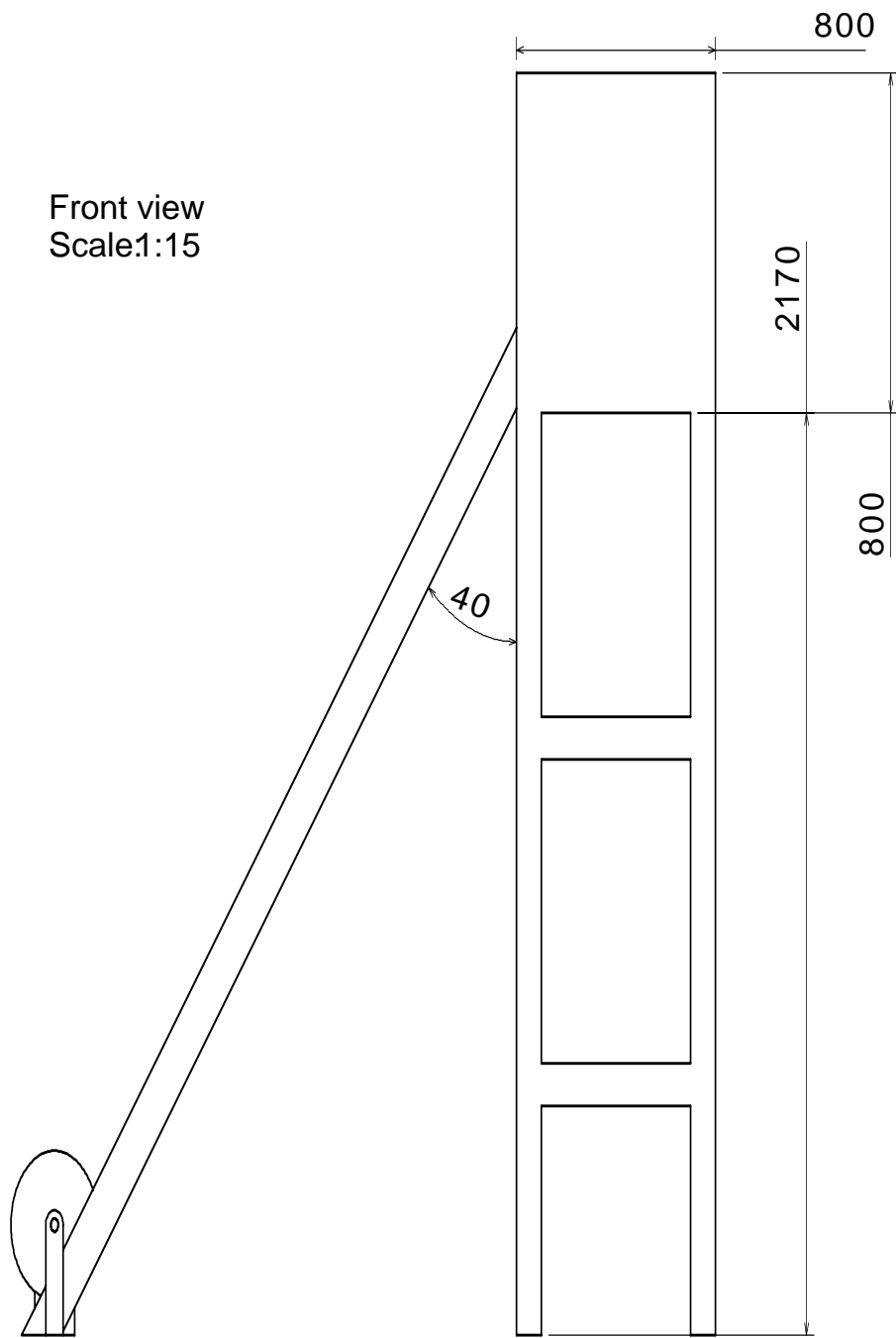
Process



Suggested milestone

APPENDIX B

Pico hydro turbine

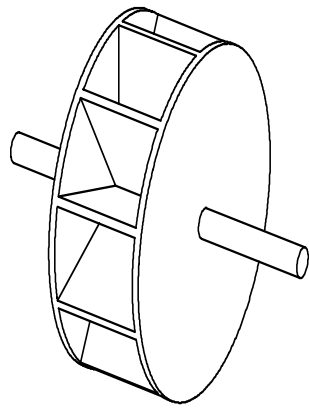


Front view
Scale:1:15

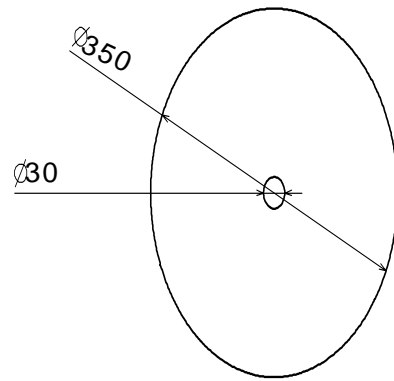
Unit: milimeter (mm)

APPENDIX C

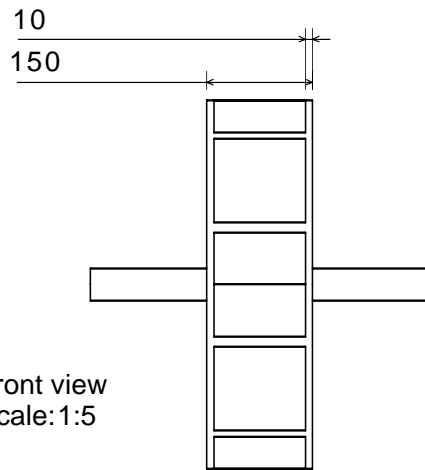
Turbine Wheel



Isometric view
Scale:1:5



Side view
Scale:1:5



Front view
Scale:1:5

Unit: millimeter (mm)