

Risk Item to go wrong	Posibility	Impact	Risk Value	Risk Meaning	Mitigation Plan	Contingency Plan			Rsk Threshold will be LOW(4)
The algorithm of the solution is wrong	2	5	10	High	1, Document the Algorithm, keep the old algorithm as backup 2, Check the algorithm with professor at least twice per week, to make sure it is correct 3, When the correction needed, we shall put the algorithm task as the highest priority of the team task	1, Cease the current Algorithm Related task 2, Find the Mistake of the Algorithm 3, Check the Time and Cost to fix the Algorithm 4, in case we have enough time to fix the mistake, fix it 5, in case we don't have time, Abandon the mistake Algorithm, use the latest Correct Algorithm, to finish the project.			When posibility is Rare, we only consider Mitigation Plan for the Severe Imapct, because the possibility is so low, only when severe case happened, it will really give a danger to the project, and other case can be handled afterward.
The preparation of the data is wrong	2	5	10	High	1, Document the Algorithm, keep the old algorithm as backup, 2, Check the algorithm with professor as often as possible, to make sure it is correct. 3, When the corretion needed, we shall put the algorithm task as the highest priority 4, For each step, use the copy of data instead of overwrite, to be able to go back to the previous version	1, Find the the latestest correct data 2, Use the latest correct data as the base, then apply for with the correct algorithm 3, Compare the result of the new prepared data to the old one, if it improved or not			When posibility is Unlikely, we will not consider Mitigation Plan for the insignificant and minor case, since the possibility is somehow possible to happened, we shall prevent the major and up impacted risk.
The resource of Computing is used up	3	4	12	High	1, Plan the point which we need to use the Computing Resource 2, Prepare the data complete, and verify the data is correct before using the Computing Resource 3, After finish the Computing Resource, log the time for Computing Resource	1, Ask professor if he has some spare Computing Resource we can use. 2, If the professor does not have it, we need to pay ourself to buy the training resource 3, After get the extra computing resource, we need to add it to the Cost of Development			When the posibility is more than Moderate, we will consider te Mitigation Plan for most of the Impact except Insignificant. Since in this situation, the possibility for that risk is somehow high, and we need to consider the risk will affect the project, when impact is insignificant, it means it will not give big affect to the project, so we can handle it after it happened.
The team member is not available	3	3	9	Medium	1, Have the communication about the team member absent plan once per weeeek 2, Plan the work for each week 3, In case the team member is going to be absent, arrange the work load in the meeting	Do the knowledge transfer in advance. And let other team member to cover the work of absent team member			
The code or data is lost	1	5	5	Medium	1, Have all the code saved in github, 2, all the document recorded in google drive	1, Looking for the latest saved version, 2, following the design document, continue work on it.			
We understand wrongly on the requirement of the project	2	5	10	High	1, Have meeting with customer about the our understanding of requirement every week, 2, Check our understanding of project with professor every week 3, Start the design work.	1, Take the major requirement, 2, mofied the current wrong requirment to fit the major requirement, 3, scale down the project to fit the major requirement.			
We are running out of time	3	4	12	High	1, Do the plan of time in advance, have planning meeting every week, 2, during the meeting, give enough time for tolerance for each task 3, checking the progress of the task daily	1, Scale down the solution, to make a simpler version of solution to reduce the time. 2, Check the scaled down version with Customer, to see if it is ok 3, Implement the scaled down project			