**Week 6 Weekly Report**

**1. What you have done for the project during the week individually?**

In week 6, we had a client meeting with YongZheng. YongZheng pointed out our project is in the right direction but with a too wide research scope. As he suggested, in this week 6, I have considered which part of our current design is necessary and which part can be placed in lower priority.

I have discussed with Zhang Fan about narrow down the current scope. We think we could narrow it down by replicating the studies with codes and models. And confirmed the idea with Client.

According to Client advises, I have finished my part of Project Proposal which is V.IMPLEMENTATION and VII.DEMONSTRATION AND EVALUATION.

In the implementation part, I have included how was overall task divided into different sub-problems. There will be 5 stages in our project to reach our final overall task.

**Stage 1. Knowledge Gathering Stage**

**Stage 2. Data Pre-processing and Preparing stage**

**Stage 3. Model Predicting and Testing Stage**

**Stage 4. Evaluation and Production Stage**

The Intellectual/Technical Challenges, Problem-solving Techniques, Project Management Techniques, Testing Methodology for Project Development and Communication & Version Control Methodology are included in the project proposal.

In the DEMONSTRATION AND EVALUATION part, I have detailed demonstrated the implementation procedures in each stage. In the Implementation of Data Pre-processing and Modeling stage, there are three levels of source code we could work on. I explained the reason we implement on code level and explained the reasons we didn’t implement on Binary code level & file structure level.

**2. What you plan to do for the project next week individually**

Continue determine the restrictions and edges of the project and confirm with our client to narrow down the scopes of the project. I am going to narrow down the project scope. Instead of adding too many big requirements, I need to focus more on the core functions of our product. Investigate more detailed core functional requirements for the project.

Start gathering source code from the database and start implementation of the approaches from the papers.