Project Plan

Project planning is a discipline for stating how to complete a project within a certain time frame, usually with defined stages, and with designated resources. There are many project plan models available but choosing the correct model is vital for project success.In the following paragraph we highlight the various models considered and select the appropriate model.

The big bang model focuses on delivering the project as a single finished product within the given time frame. This model focus on the final outcome rather than on intermediate results. The sequential model adheres to a set of predefined steps and requirements which doesn't support requirement flexibility. Hence in order to overcome the drawbacks of the above models and increase the degree of flexibility we opt for the Spiral model.Spiral model is a combination of iterative development model and waterfall model with more emphasis laid on risk management. This model is particularly useful in projects where risk levels are medium-high. Special care must be taken to avoid the project from getting stuck in infinite loops.

The project can be broken down into 3 major phases: Design, Implementation and Testing. The design phase will focus on the system and neural network design, this phase is vital in achieving the accuracy and optimization of the project. The implementation phase deals with the physical generation of the system and networks on a high performance GPU. The test phase is responsible for the validation of the required results as well as providing a comprehensive outlook of the project. Since we follow the spiral model the requirements in the three phases can marginally vary overtime.