Selected model: basing on the requirements of our selected project plan we planned to use the agile software development approach for the project. Initially a product backlog has been developed which states the required features and functions of the project. After preparing the product backlog we used the pair programming method to distribute the work among the team members. The total project is carried out in 3 scrum sprints where each sprint will take place in the duration of 2 weeks. The scrum master is responsible for the selection and distribution of features among the team members. The pair programming concept is used to carry out the work more efficiently. A meeting will be held at the start of each sprint with the scrum master and the team members to decide on what has to be done in that sprint. Before the start of each sprint, the work done by the team members will be reviewed to cross check scope of the project.

Motivation: We used agile methodology for our project. Our motivation behind selection of Scrum development methodology is to review each and every phase of the sprint. Usually when the scrum meeting is conducted at regular intervals and discuss the project sprints, necessary change if so when needed can be made this help to review the scope when ever required and change the direction of the project in right way. There are tow advantages within the scrum development methodology here the team members have the ability to distribute the task among themselves with respect to their capabilities. The Pair Programming advantage is to help the give and take policy within the scrum team where the programming techniques can be shared and learned from each other.

Why the other Process model is not selected.

Usually a Waterfall model uses the traditional development process where the requirements are fixed prior to any of the development phase. So, in general this reduces the team to work in the distributed cohesive environment. Our team would like to work in the distributed environment so, the water fall model is not selected.

The incremental model uses the same policy as that of the scrum process where the work done is tested or reviewed in incremental way. At the same time the incremental model uses the traditional development process phenomenon. Unlike our scrum team would like to use the distributed development process. Thus the incremental model is not selected.