2. PROJECT MANAGEMENT

2.1 PROJECT PLANNING

Project Planning is concerned with identifying and measuring activities, milestones and deliverable produce by project. In this section we will clear estimated resources required for the completion of project. Here we considered the human resource. This is per-requisite estimate. Besides, the work methodology is also mentioned.

2.1.1 Project Development Approach and Justification

We have used agile SDLC model for our project development.

Agile Model:

Agile SDLC model is a combination of iterative and incremental process models with focus on process adaptability and customer satisfaction by rapid delivery of working software product. Agile methods break the product into small incremental builds. These builds are provided in iterations. Each iteration typically lasts from about one to three weeks. Every iteration involves cross functional teams working simultaneously on various areas like planning, requirements analysis, design, coding, unit testing, and acceptance testing. At the end of the iteration a working product is displayed to the customer and important stakeholders.

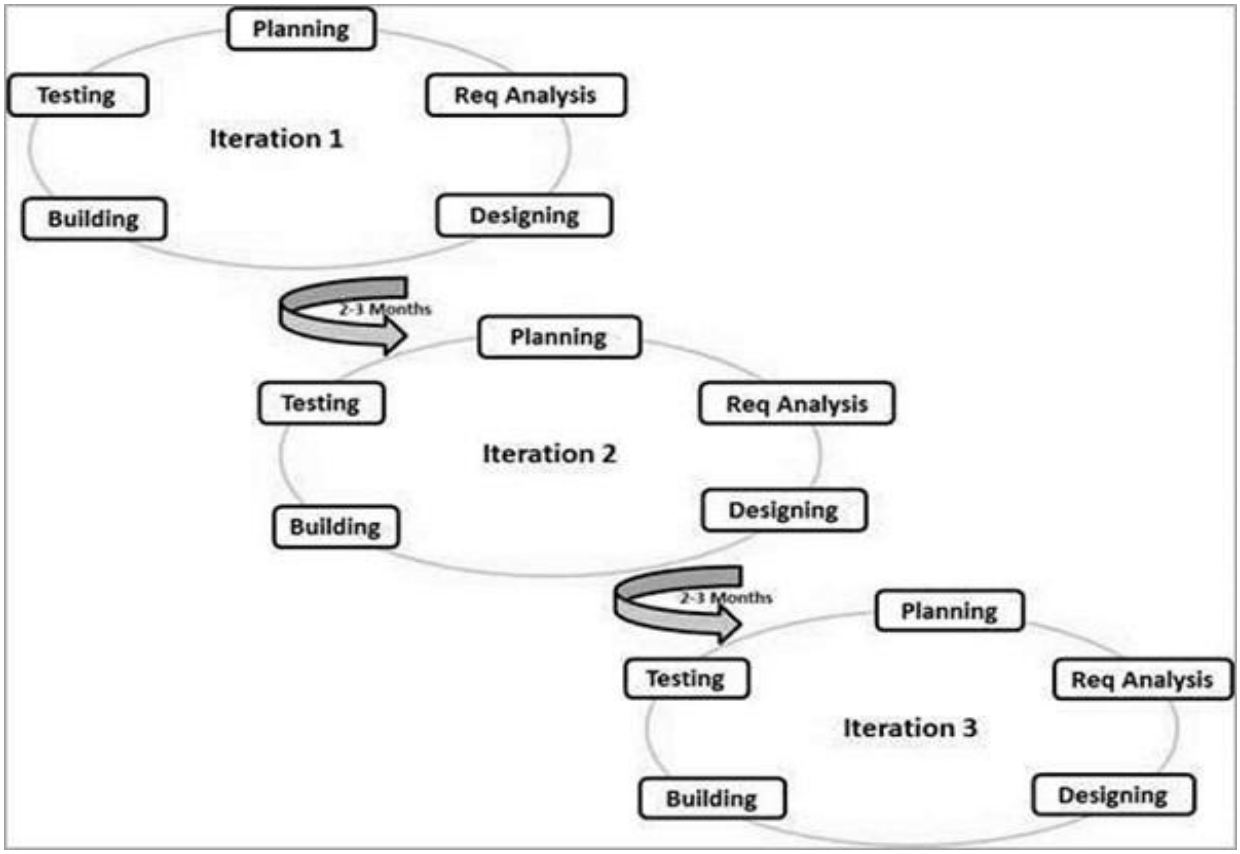

Figure 2.1 Agile Model

Justification:

After feasibility study as the functional requirements were almost clear which were decided by my project lead, but UI related requirements were not clear. Here I have decomposed the system into modules. That is why I decided to use agile model which is most suitable model here i.e. if I find any difficulty in coding and testing a modification in design can be done easily.

2.2 PROJECT SCHEDULING

About which tool:

Task	Start date	End date	Duration
Req. gathering analysis	27-Jan	09-Feb	14
Backend design	10-Feb	21-Feb	11
Implementation coding	22-Feb	16-Apr	54
Frontend design	21-Mar	04-Apr	14
Testing	12-Apr	17-Apr	06
Deployment	18-Apr	20-Apr	03
Documentation	15-Feb	20-Apr	65

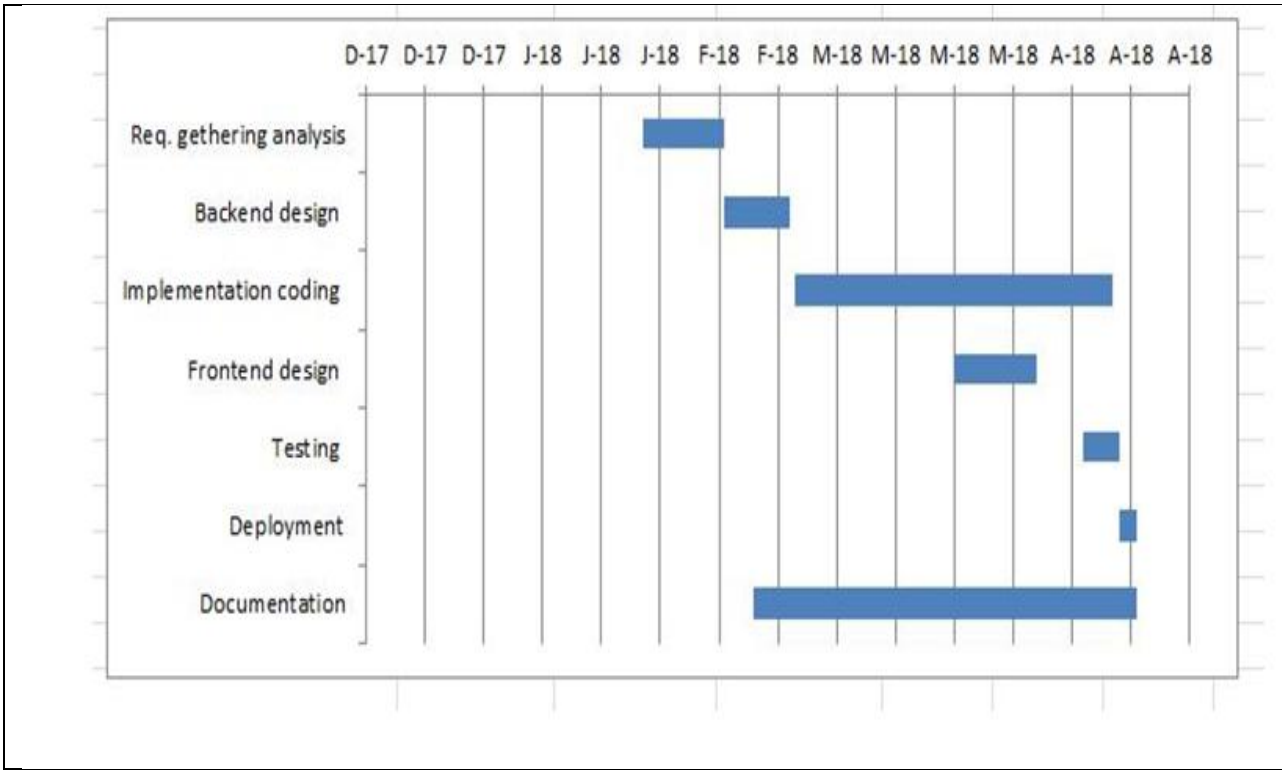

Figure 2.2 Gantt chart