**CHAPTER 3**

**REQUIREMENTS AND DESIGN**

### Design of software involves conceiving, planning out and specifying the externally observable characteristics of the software product. In this project there is data design, architectural design and user interface design in the design process. The goal of design process is to provide a blueprint for implementation and maintenance activities.

### Non-Functional Requirements

1. Secure access of confidential data (user’s details). SSL can be used.
2. 24 X 7 availability
3. Browser testing and support for IE, NN, MOZILA, and Firefox
4. Reports exportable in .XLS, .PDF
5. Create a detailed UML diagram (Component, Sequence, Class) for the system and its sub-components

**3.1 HARDWARE SPECIFICATION**

* Operating System: Windows 7, 8,9,10.
* Hard disk: 1TB
* RAM: 5GB

**3.2 SOFTWARE SPECIFICATION**

* Programming Language: Java, JavaScript
* Back End: JDBC
* Front End: Swing, AWT.
* You need to install an IDE Eclipse / MYECLIPSE / NETBEANS.
* MYSQL database.