**1. Problem Statement**

The Aim of the Project is to build a software that can give an accurate diagnosis of a patient’s condition based on the symptoms. In addition to that, it would also be a healthcare management system, which will maintain a track of patient’s recovery.

It will also be able to update the doctor with recent developments in the field of a particular disease thus minimizing the gap between research and minimization.

**2. Project Objectives**

Maintain record of patient’s medical history and Recovery in hospital 12 bif0032

To diagnose a patient’s condition and provide suggestions about drugs and other treatments. 12 bif0017

To give a list recent developments in the field of the disease identified.12bif0032

**3. Feasibility Study**

Technical Feasibility-

The technologies chosen to be used for the project are Php and SQL server. The reason why these have been chosen is that their response time is good, the connectivity between php and SQL is robust and fast.

It makes it easier to implement the code and design the interface for the database

Operational Feasibility-

Since most of the work is done manually in hospitals , a software of this kind will ease the load of work on the staff, who would then be able to concentrate completely on patients recovery. Since the system only gives a suggestion and the final decision still lies with the doctor, risk is reduced. The doctor can now solely focus on fine-tuning the system prognosis. In addition to that the software will also act as a means of communication, it will save time and reduce the paperwork substantially.

**4. Process Model**

The Model being used for this project is Incremental Model.

This Model has been chosen because of the following reasons:

* The major Requirements of the model are defined but some minor requirements may evolve during the development of the software
* This Software has high risk features and hence it would be safer to deploy , test and debug smaller iterations.
* Any changes in the requirements can be modified in the next iteration.

**5. Deliverables**

1. Predicted Diagnosis Report based on the Symptoms.
2. Suggested Treatments and Medicines.
3. Medical history of patient.
4. Web Search For latest treatments and new drugs.
5. Booking a test and sending results to users concerned.
6. Booking a room or any facility.
7. Print Bill while patient checks out.

Platforms being used-

Php ,SQL server, Visual C++

**6. Project Scheduling**

Gnatt Chart

