**PROJECT PLAN**

*-12bce0007, 12bce0002,12bce0027*

1. **Problem Statement**
2. **Clear and well-defined problem statement (one or two sentences)**

**Topic:- Paperless hospital service**

Objective of this project is to leverage paperless hospital service where patient need not do any paper-work while getting admitted to the hospital by providing seamless application that will handle the thousands of patient information and provide efficient healthcare service**.**

**(b) How will your project be different from any similar systems? (one or two sentences)**

Most of the softwares used in hospitals for administration purposes only like for recording just the patient information. Here we create a web portal where multiple users like doctors, nurses, department administrators etc all can store necessary information online itself without having to store physically any records.

1. **Project Objectives**

**Clear and well-defined list of project objectives (what things the project will do)**

The objectives are met by:

* **MUSHEED KHAN**
* Front end handling
* Front end coding and back end coding
* Registration and Login
* Updating Database
* Database Handling
* **SWATI GHOSH**

* Updating Database
* Billing admin
* insurance admin
* Web page designing
* ID verifications
* Updating Database
* Front end coding and back end coding
* **KRISHNA NAND PANDEY**
* Patient records
* Department distributions
* Security admin
* Performance Records
* All transactions records
* Front end coding and back end coding

1. **Feasibility Study**

**(a) Evaluation of the potential of the proposed project.**

The potential of the proposed project Paperless Hospital Service is to reduce the unnecessary wastage of resources and manpower in hospital to maintain tons of data about so many patients which can rather be done effectively by using databases.

**(b) Justification that the project will be completed within the timeframe.**

The project has clear, discrete goals that are divided among the members of the group. All the necessary users of this software have been identified. The technologies and platform on which it will be built is also pre decided.

**(c) Also study the technical & operational feasibility of the project.**

Technical Feasibility (Level of Technology):

1) HTML/CSS

2) JavaScript

3)MySQL

4)PHP

5)jQuery

Operational Feasibility (Operational Scope/Usability):

The project will be of high operational scope for the following reasons:

1) The user interface due to which it is really convenient to use the software

2) Access to software is only after proper authentication.

3) A variety of information related to patient like personal information, medical history, ongoing treatments, expenses etc can be stored.

1. **Process Model**

**(a) Choose the appropriate process model for your project.**

INCREMENTAL MODEL

In incremental model the whole requirement is divided into various builds. Multiple development cycles take place here, making the life cycle a [“multi-waterfall” cycle](http://istqbexamcertification.com/what-is-waterfall-model-advantages-disadvantages-and-when-to-use-it/).

The incremental model requires the following steps:

* + **Inception**
* Identification of project scope, requirements (functional and non-functional) and risks at a high level.
  + **Elaboration**
* Delivering a working architecture that mitigates the top risks and fulfils the non-functional requirements.
  + **Construction**
* Development of code by analysing, design, implementation, and testing of the functional requirements.
  + **Transition**
* Delivering the system into the production operating environment.

**(b) Justify the why you have chosen it.**

1) All the major requirements are well defined however some of them might evolve over the time hence incremental model provides the scope to do so. Waterfall Model has less flexibility as compare to incremental.

2) Testing and debugging can be done easily at every iteration hence making it easy to handle risks.

3) Also some new technology and tools are being used and hence it is more convenient to use incremental model as at every iteration we can review whether the tool used is giving the correct output as per the requirements and the platform on which it is being built.

**5) Deliverables**

**(a) Specify well-defined deliverables. (Major results or services that will be produced, specific things the software will do)**

1) Storing incoming patient’s data.

2) Edit, delete, view, modify patients record.

3) Providing access to various doctors, nurses after proper authentication.

4) All the expenditure data will be stored by the billing department.

5) Verification of whether the patient has insurance or not.

6) Doctors can get patient information, will conduct series of tests and will update their test report along with comments in the Application

**(b) Mention any platform(s) and/or framework(s) which you plan to use.**

* Sublime Text-text editor for HTML/CSS, Javascript
* Komodo edit, wamp server ,apache for MySQL

**6) Project Scheduling**

**(a) Plan and Schedule the project according to the process model chosen**

The incremental model requires the following steps:

**1) Inception**

* Identification of project scope 1feb-2feb
* Requirements (functional and non-functional) 3feb-6feb
* Identification of risks 7feb-9feb

**2) Elaboration**

* Designing a working architecture 11feb-16feb

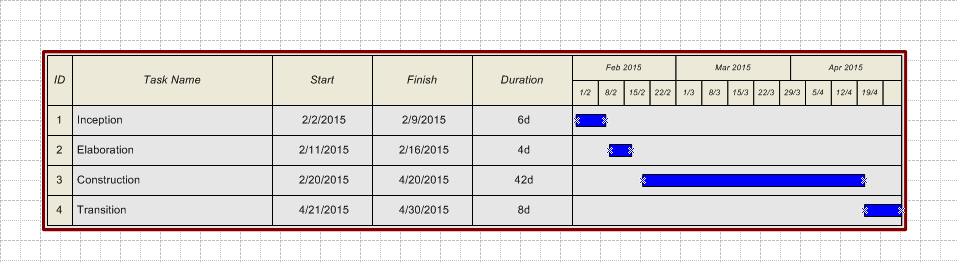
**3) Construction**

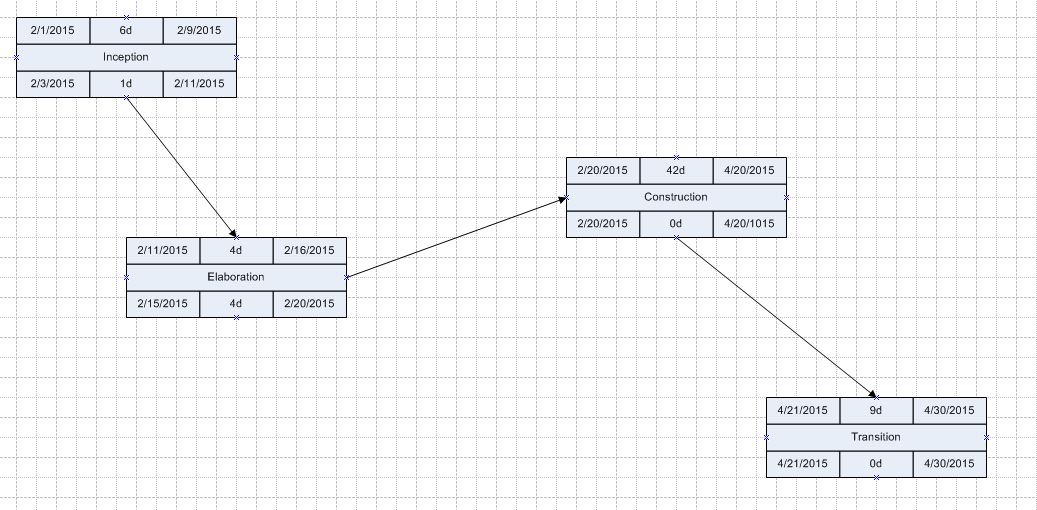
* Development of code 20feb-10 march
* Analysing 11march-15march
* Design 15march-25march
* Implementation 26march-5april
* Testing of functional requirements. 6april-20 April

**4) Transition**

* Delivering the system 21april-30april

**(b) Gantt chart & pert chart**

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