

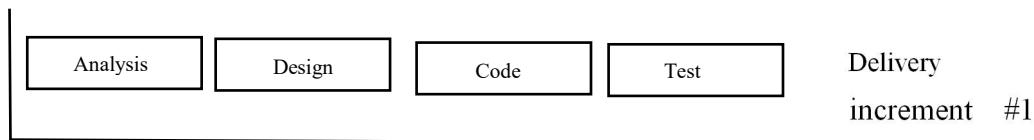
- 1) By assessing the above stated case, we are going to follow Incremental Development Model of software development for developing the above-mentioned project.

Incremental Development Model is a process of software development where requirements are broken down into multiple standalone modules of software development cycle. Incremental development is done in steps from analysis, design, implementation, testing/verification.

Yes, we will invite our client to share their opinion.

Because client requirements are prioritized and the highest priority requirements are included in early increments. Per month we will arrange a meeting. There we will discuss the highest priority requirements. Then we start our increment so that client can use the software by fulfill some priority requirements at early stage. And then we delivery the system.

As above stated case First increment of our work with the Patient Registration and Human Resource Department.



- 2) Incremental Development Model states that:

- Rather than deliver the system as a single delivery, the development and delivery are broken down into increments with each increment delivering part of the required functionality (SPIRAL). The requirements are relatively certain but there are many complexities that lead to frequent changes.
- User requirements are prioritized and the highest priority requirements are included in early increments.
- Once the development of an increment is started, the requirements are frozen though requirements for later increments can continue to evolve.

According to the project description, the Managing Director of the clinic agreed to get the workable part of the software installed on their sites with several/incremental deliveries. Also, the activities of the hospital are being expanded rapidly and they have a plan to establish its branches in all major cities of the country eventually.

Incremental Software Development meets all those needs. The requirements are relatively certain and as the activities expand and we get the feedback of people using it, we can change the software accordingly by just re-iterating the relevant increment. By studying and realizing what users really need, we can prioritize features to implement and implement them in early increments.

As mentioned above, we can say that the Incremental development model resonates with our project and we're in favor of using it.

3)

A time box is a previously agreed period of time during which a person or a team works steadily towards completion of some goal. Rather than allow work to continue until the goal is reached, and evaluating the time taken, the time box approach consists of stopping work when the time limit is reached and evaluating what was accomplished. There are lots of benefits of time boxing in business oriented projects.

Time box refers to the act of putting strict time boundaries around an action or activity. For example, you may want to time box a meeting to be 30 minutes long to help ensure that the meeting will begin and end on time with no exceptions. When you time box an event the result is a natural tendency to focus on the most important “stuff” first. If you time box a meeting, you would expect then that the absolutely required content of the meeting be completed before the end of the meeting. Other meeting agenda items that are not as important may get moved to another meeting. In essence, Time box is a constraint used by teams to help focus on value.

Supposed we have 8 department here. So, that if we define set different required time for each department, after that we have found our total goal time box of completing project.

1) Patient registration department → In this department we can include here

- i. Patient ID
- ii. Information

For this department we can set time box for 1 week.

2) Human Resource Department → In this department we can include here

- i. Service
- ii. Stuff
- iii. Doctor
- iv. Nurse
- v. Cleaner's
- vi. Guard

For this department we can set time box for 3 week.

3) Accountancy Department →

- i. Patient Accounts
- ii. Doctor Accounts
- iii. Bill

For this department we can set time box for 2 week.

4) Pathology Department →

- i. Pathologist
- ii. Test

For this department we can set time box for 1 week.

5) Marketing Department →

- i. Marketing Manager

For this department we can set time box for 1 week.

6) Pharmacy Department-→

- i. Medicine
- ii. Purchasing
- iii. Supply
- iv. Distribution

For this department we can set time box for 2 week.

7) Administration of doctor chamber for private practice-→

- i. Doctor Info
- ii. Assistant
- iii. Chamber

For this department we can set time box for 2 week.

8) Transport and car pools-→

- i. Driver's info
- ii. Route Maintain

For this department we can set time box for 1 week.

Approximately , Our project schedule goal will complete as well under this time box planning Hopefully. It can be efficient for our successful project.