**Indian Institute of Information Technology, Vadodara**

Software Engineering

IT - 304

Team - 04 ( DeepBench )

**PROJECT PLAN**

**Team Members**

Tarun Bhardwaj (Leader)

Monika Singh

Satyam Kumar

Shubham Poddar

Rajat Soni

Kshitij Khinchi

**Objective:**

The purpose of [project planning](https://en.wikipedia.org/wiki/Project_planning) is to identify the scope of the project, [estimate](https://en.wikipedia.org/wiki/Estimation_in_software_engineering) the [work](https://en.wikipedia.org/wiki/Work_(project_management)) involved, and create a [project schedule](https://en.wikipedia.org/wiki/Gantt_chart). The [project plan](https://en.wikipedia.org/wiki/Project_plan) is then developed to describe the [tasks](https://en.wikipedia.org/wiki/Task_(project_management)) that will lead to completion.The purpose of project monitoring and control is to keep the team and management up to date on the project's progress.

Two basic objectives:

1. Establish reasonable cost schedule and quality goods for the project.

a) Estimation of time and effort.

b) Skill level of team member

1. To draw out a plan to deliver the project goals.

a) Proper planned schedule

**Estimation:**

With the help of COCOMO model we had estimated the time duration of our project and total effort required.

As our team (DEEP BENCH-IT04) has mixture of experienced and inexperienced members and has limited experience and unfamiliar with some aspect of android app development field. So we categories ourself as **semidetached** team.

Our estimated KDLOC(lines of code in thousands) is aprrox 6000.

Initial effort Ei =a\*(KDLOC) ^b

Total effort Ea = Ei \*EAF

Total duration=

So, the total duration and effort estimated to complete our project is .

**Skill Level of Team Members:**

Project team members are the individuals who actively work on one or more phases of the project.

Skills required for developing an Eventfolio app are:

* Full of Creative ideas
* Good command on advanced java
* Designing well furnished UI for app
* Clear with concepts of database
* Communication and presentation skills
* Smart work+ hard work
* Cooperative and able to manage whole team work properly

Skills our team members posses are:

**Tarun Bhardwaj:**

He has good command on advanced java language and have past experience in android app development. He can guide the team members to have a systematic and smart approach toward android development. Which is very essential for software engineering project. Have potential to debug the errors. He can properly manage and assign work to team members.

**Monika Singh:**

She has prior knowledge of java and android app development, good communication skills, good with designing UI part, can work hard and have a cooperative nature.

**Rajat Soni:**

He is very well clear with concepts of database and writing various queries. He has creative ideas and do lots of brainstorming to have clear idea of any project/concept.

**Satyam:**

He is very hardworking, on the same time have potential to learn and grab thing .Good at english vocalabory and have lots of questions ,which helps to identify mistakes and add any new features .

**Shubham Poddar:**

Good at Designing ideas, and work hard to learn concepts, have cooperative nature.

**Kshitiz Kinchi:**

He has good presentation skills, fluent with English.

**Project Schedule:**

Based on the estimated duration of project completion , we came to conclusion and made our rough estimated project plan schedule, which follows:

**Pre-development phase** : ( 25 days ---- 20% of total effort)

**Description**: Selecting different project ideas ,thinking all its pros and cons, analysing every project deeply depending upon its feasible nature. We took almost 2 week of time to decide our final project after going through its feasibility test which includes technical, economic ,legal, environmental dimension.

After feasibility test, we started gathering requirements, through surveys, and personal interview. Preparing survey questions took 3 days and finalizing questions and preparing a google form took 2 day. We waited for 1 week for as many as responses we can record, at last we ended up with 106 responses.

Deadlines: 10 Aug 2017 - 5 sept 2017

**Developing Phase:**

**Requiremnt Analysis**( 7 days---- 10% of total effort)

**Description**: Analysis of all requirements gathered during pre development phase , which includes Survey through email to inter and intra colleges students, approaching different students personally.

Depending upon the response of students we have made our requirement analysis within 1 weeks.

Deadlines: 5 sept 2015 – 12 sept 2017

**Design**(15 days ---- 30% of total effort)

**Description:** We will go through different event app UI and required lots of brainstoming to collect as many required features we can put in our app, Deciding theme, look, style and proper position of different functionality and all layouts of each activity will takes atleast min 4 days.

Then designing the documents such as UML diagram(1 day), Activity model(1 day), ERD diagram(3 days),

Deadlines: 25 sept 2017 – 10 oct 2017

**Coding and Unit testing**(20days---- 20% of total effort)

**Description:** The implementation part includes coding part of UI (different layouts),backend which involves creating database , connectivity of database with front end part, networking. Along with coding part , its also includes Unit testing to avoid as many as bugs we can. Backend part is assigned to Tarun Bhardwaj, Rajat Soni, Shubham Poddar. And front end part is assigned to Monika singh.

Deadlines: 11 oct 2017- 30 oct 2017

**Testing** (7days ----10% of total effort)

**Description:** After implementation of code , we decided to do testing process for every test cases possible and debug all errors so that code can run smoothly. This part will be mainly handeled by Tarun Bhardwaj supported by Monika singh ,Rajat soni, satyam,shubham poddar.

Deadlines: 1 nov 2017- 7 nov 2017

**Deployment** (7 days ----10% of total effort)

**Description:**

Deadlines: 7 nov 2017 to 15 nov 2017