PROJECT MANAGEMENT PLAN

Course Scheduling System:

1. Project Summary:

1.1) Project Overview:

The project 'Women Safety Management' helps in protecting women who are ought stay outdoors at any given time of the day, owing to their pe1.4)rsonal or professional calls. The software takes the personal information of candidate, creates a password-protected account for her and requests to grant location details access to the software which saves the location details for the candidate and transfers it to no one other than the cops and one family member whom the candidate specifies as guardian, at the time of emergency. The app also has a hidden feature to start live camera recording on pushing a button that is provided in the application.

1.2) Project Scope:

The project has a schedule planned over for a period of 2-4 months, owing to the connection that has to be dealt with the cops. Main working staff starts with two people, and can be added later on based on the requirement.

1.3) Development Process:

We follow the waterfall model of software development as it is simple, small and easy to deal with.

1.4) Effort, Schedule and Team:

The team comprises of the following 2 persons:

1. Sreya Vegesina.
2. Sandali Nemmaniwar.

Total Effort: 2.4 person months(53 person days)

Project duration: 3.5 months.

1.5) Assumptions made:

The assumptions would be:

- The coding must be error free.
- The system has to be user friendly.

- The information of all the users and their locations must be stored in a database that is accessible by the website.
- The storage capacity has to be high.
- There must be a search facility and support quick transactions.
- The software should run 24*7.
- User should be able to access from any computer/mobile phone that has an internet access.
- Every user should have an unique user ID and discreet password.

The Dependencies would be:

- The specific hardware and software on which the product will run.
- Requirements and specifications of the project.
- Admin understanding skills.
- System should have a general report stored.
- The total information has to be stored on a database that can be accessed by the police system.
- Any update regarding the user has to be recorded in the database and the data entered should be correct.

2. Detailed Effort and Schedule:

The phase wise estimates were obtained earlier and given in the table below. To summarise the total effort is 53 person-days. Of this, the distribution is design: 0.4(9 days), detailed design: 0.6(13 days), coding: 1.0(22 days) and integration: 0.4(9 days).

As the project staff(students) are spending on the project about $1/4^{th}$ of their total time, the durations of the tasks have to be suitably fixed. The overall schedule for the project is given below.

Serial no.	Task	Estimated effort(in person days)	Start date	End date	Person
1.	System design	9	Jan 8th	Jan 17th	Sreya, Sandali
2.	Detailed design	13	Jan 17th	Jan 30th	Sreya, Sandali
3.	Coding input module	8	Jan 30th	Feb 10th	Sreya
4.	Coding scheduling module	8	Feb 10th	Feb 19th	Sandali
5.	Coding output module	6	Feb 19th	Feb 26th	Sreya, Sandali
6.	Test planning	3	Feb 26th	Mar 3rd	Sreya, Sandali
7.	Testing and integration	5	Mar 3rd	Mar 8th	Sreya, Sandali
8.	Rework and final	3	Mar 8th	Mar 12th	Sreya, Sandali

The total estimated effort in person-days = 53

3. Team organisation:

We will have a small team with two people. We use a flat team structure of peers, with one person having an additional role of project manager. The assignment of tasks to them will be maintained in the detailed schedule, a high-level view of which is given above.

4. Hardware and Software resources required:

The resource required is a workstation with C/Java compiler.

5. Quality Plan:

The quality control process for this project will consist of the following:

- SRS Review: The SRS will be reviewed by a team.
- Design Review: Design document will be reviewed by the project team.
- Unit Testing: Each programmer is responsible for Unit Testing his module.
- System Testing: Will be done according to the system test plan, which will be reviewed.

6. Risk Management Plan:

There are no risks with this project that might need any explicit mitigation.

7. Project Tracking:

Three basic methods will be used for monitoring – project logs, weekly meetings, and
reviews. As there is no timesheet system, each project member will record his activity in
a project notebook and report the hours for each activity in the meetings. Reviews will be held as per the quality plan.

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