

Summary of Project Plan for Guide Blind

The objective of our project is to develop a smart environment for safe and independent navigation of visually challenged through a smart building. The summary presents the important tasks identified to successfully implement and deploy the project. The phases of the project have been scheduled and allocated resources keeping in mind the dream curve. The following table presents a brief summary of the phases and its subdivisions along with the allotted resources.

Task Name	Objective of the Task	Desired Outcome of the Task
Problem Identification & Analysis	The task focuses on identification of the problem, by gathering requirements from the customer, literature survey of the gravity of the problem.	Concrete definition of the Problem will be obtained at the end of the task which is the input for drafting Project Feasibility analysis.
Project Feasibility Analysis & Discussion	The task analyses the existing solutions and their shortcomings. Further, solutions are gathered to address the identified problems in the former task. All the important aspects of the problems, such as the hardware requirements, cost and time evaluation and requirement analysis are undertaken.	The task on a whole presents a clear view of the problem and obtains the plausible solutions which are later translated into software.
Design Plan	After obtaining plausible solutions, software architecture is designed which is the basis for software implementation. The process incorporates design of a preliminary phase which is improved after discussion with the customer. After the solution is finalized, the architecture of the subparts is completed.	The task constructs the fundamental design and architecture for software implementation.
Production Preparation	The phase identifies the hardware requirements to develop the software. Further, the members of the team for software development and testing are identified here.	This task lays the ground for software implementation.
Software Development	The implementation of the design modules, including the integration of the hardware and software modules to solve the problem identified. The independent and dependent modules are identified and scheduled according to the complexity of the module.	The task presents a working solution to the identified problem. This is a culmination of the above listed tasks.

Further testing is done at end of every module. The task has been allotted ample time (82 days).

Pre Deployment & Deployment	The task performs integration and testing on the identified platform (smartphone). Following, the manuals of customer and developer are drafted.	A functional solution is obtained at completion of the task, which is in line with software specification.
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Cost and Time Estimation of the project are the following:

1. **Total Man Hours Estimate from Gantt Chart** – 1829 man-hours
2. **Total cost of Project at \$105/hr.** – $105 * 1829 = \$192045$ labor cost
3. **Project Duration** – 180 days.

The document summarizes the imperative tasks to solve the problem of navigation for visually challenged. The estimates are allocated based on the necessity and complexity of the tasks.