**Batch: D2 ` Roll No: 16010122318**

**Exp No: 1**

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| --- |
| **Title:** Define the Problem definition and Scope of the mini project. |

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**Objective:**

To understand the process required for defining the problem and scope of the project

**Expected Outcome of Experiment:**

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| --- | --- |
| **Course Outcome** | **After successful completion of the course students should be able to** |
| CO 1 | Understand the requirements for problem definition and scope. |

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**Books/ Journals/ Websites referred:**

**1.** https://journals.sagepub.com/doi/abs/10.1177/097206340700900205

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**Introduction**:

**Describe the need of this stage in project**

**Project Title: To do list and Habit Tracker**

**Team Members  :**

1. **Kartik Ambupe - 16010122318**
2. **Jiya Trivedi - 16010122321**
3. **Vedansh Savla - 16010122323**

**Problem Definition**: The To-Do List and Habit Tracker application aims to address the prevalent challenges individuals face in managing their tasks and cultivating positive habits. With a focus on tackling task overload and prioritization issues, the app offers a systematic approach to help users prioritize and complete tasks efficiently. It also addresses the problem of ineffective habit formation by providing tools for consistent tracking.

**Objective:**

The objective of the To-Do List and Habit Tracker application is to streamline task management and habit formation by offering a user-friendly platform that prioritizes efficiency, personalization, and seamless integration across devices.

**Scope:**

* Only software is to be developed for the purpose mentioned above.
* Intuitive task creation, prioritization, and categorization.
* Customizable habit tracking with daily, weekly, or custom frequency options.
* Progress monitoring and motivational features to encourage consistency.
* Scalable and flexible user-friendly website

**Title of Mini Project: TaskHarmony:** Productivity & Habit Tracker

**Team Members:**

1. **Kartik Ambupe 16010122318**
2. **Jiya Trivedi 16010122321**
3. **Vedansh Savla 16010122323**

**Scenario in the real world for which you are proposing a solution:**

A Scenario in which individuals, in their everyday lives, often struggle with managing their tasks and forming positive habits. This could include students juggling academic commitments, professionals dealing with work responsibilities, or anyone facing the challenges of balancing personal and professional tasks. The proposed To-Do List and Habit Tracker application would address the common issues of task overload, habit inconsistency, and the need for a personalized and integrated solution. The application would offer a streamlined approach to help users prioritize tasks, cultivate positive habits, and enhance overall productivity, catering to the diverse needs of users in various real-world scenarios.

**Problem Definition:** In various aspects of daily life, individuals encounter challenges related to task management and habit formation. These challenges include difficulties in prioritizing and completing tasks, establishing consistent habits, and managing time efficiently. Users often face task overload, leading to stress and procrastination, while the absence of a structured system hampers effective habit-building. Moreover, the lack of personalization and integration across devices in existing solutions adds to the complexity of these issues.

**Scope of the project:**

**Points included int solution:**

1. Intuitive task creation, prioritization, and categorization.
2. Customizable habit tracking with daily, weekly, or custom frequency options.
3. Progress monitoring and motivational features to encourage consistency.

**What is not included:**

1. Direct integration with physical devices beyond standard platforms.
2. In-app community forums.
3. Detailed health monitoring features to ensure the application focuses on productivity and habit-building rather than medical functionalities.

**Post Lab Activities (with reference to your tool):**

1. **Why are you needed to define problem?**

A problem statement is important to a process improvement project because it helps clearly identify the goals of the project and outline the scope of a project. It also helps guide the activities and decisions of the people who are working on the project. The problem statement can help a business or organization gain support and buy-in for a process improvement project.