Project Plan
Automated Toll Management System

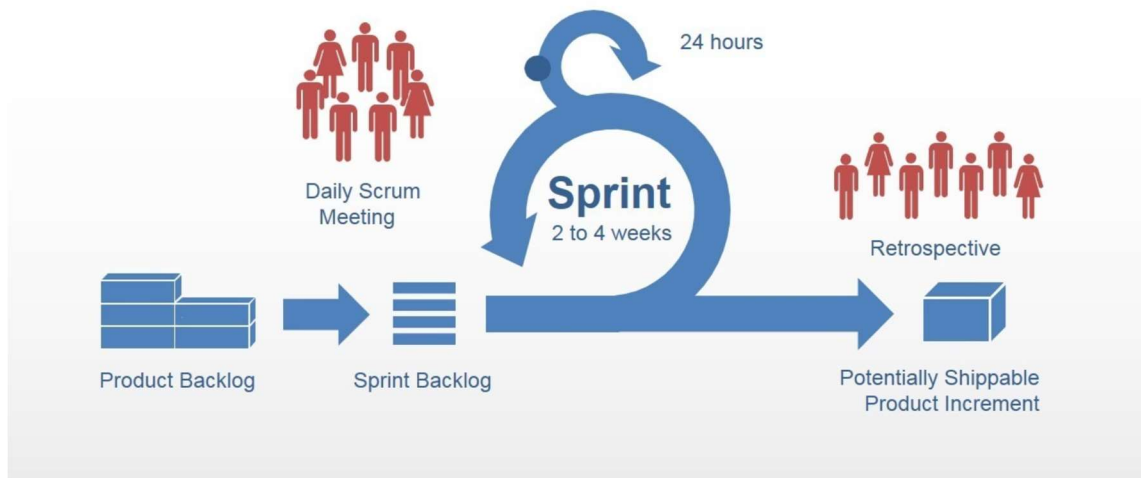**Prepared by: -**

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1) **Identify the lifecycle to be followed for the execution of your project and justify why you have chosen the model.**

Life cycle model chosen Agile Scrum as the requirements for the software decided but will have continuous requirements and updates based on user review. The work is divided between all the

Methodologies - Scrum

members of the scrum team where each epic deals with an aspect of the program and the goal we need to achieve.

2) **Identify the tools which u want to use it throughout the lifecycle like planning tool, design tool, version control, development tool, bug tracking, testing tool.**

Design Tools: MS PowerPoint and Canva Planning

Tools: JIRA

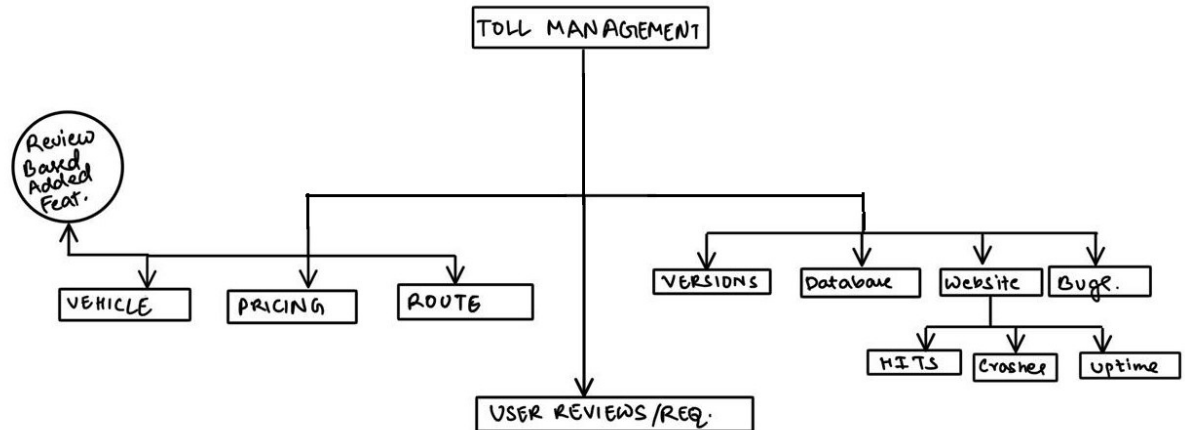Version control: GitHub

Development tools: VSCode, MySQL

Testing: Selenium

3) **Determine all the deliverables and categorize them as reuse/build components and justify the same.**

1. Main Homepage: Build. A main homepage with vibrant graphics and an introduction.

2. Login: Reuse. There are multiple login pages existent that we can use and change to our needs.

3. User Homepage: Reuse. We have two pages, one for the user and the other for the admin.

4. Admin Homepage: Reuse. Similar to the Admin page.

5. Add/Remove Complaints: Build. A feature which allows the user to add/remove complaints which show up on the feed of admin.

6. Profile: Reuse. This feature can be used in both users and admin homepage.

7. Sub-Complaint: Reuse. A feature which allows people to thread on a single complaint.

8. Add/Remove Users: Build. A feature which allows the admin to add or remove users.

9. Resolve Complaints: Build. A Simple feature which allows the admin to assign a team and vehicle to clear the dump.

10. User Feedback: A feedback form which can be gathered from the users to improve the quality of the software.

4) Create a WBS for the entire functionalities in detail.

5) Do a rough estimate of effort required to accomplish each task in terms of person months.
The project we are planning to accomplish has not been implemented as such locally, it is a foreign idea which is ideal for smaller countries. To implement for a dense country as India critical planning and knowledge is required. Our team consists of skilled members in their induvial domains and wouldn't require than 5000 LOC.
The work done will considered as Organic
A= 2.4
B = 1.05
Effort = a(KLOC)^b = 2.4(5) ^1.05 = 13.00

6) Create the Gantt Chart for scheduling using any tool.