Capstone Project Weekly Progress Report

|  |  |
| --- | --- |
| Semester | Fall-2024 Semester 3rd |
| Course Code | AML-3406 |
| Section | Section 1 |
| Project Title | Car Damage Detection |
| Group Name | Group B |
| Student names/Student IDs | Sakshi (C0908000)  Bansil Patel (C0912873)  Harsh Mohile (C0912872) – TL  Meet Patel (C0910378)  Rachit Bhatt (C0902810) |
| Reporting Week | Week 3 |
| Faculty Supervisor | William Pourmajidi |

# **Grade the level of collaboration from different aspects between team members:**

(use: good, medium, below expectation)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sakshi | Bansil Patel | Harsh Mohile | Meet Patel | Rachit Bhatt |
| Good | Good | Good | Good | Good |

# **Tasks outlined in the previous Weekly Progress Report for this reporting week at the individual level and group level**

* 1. Individual tasks (each team member)

Sakshi: Defining phases of project and analyzing post requirements of project.

Bansil Patel: Practicals of learning – Computer Vision.

Harsh Mohile: Research on Deployment Platforms.

Meet Patel: Learning GitHub Management.

Rachit Bhatt: Creating demo for CI/CD Pipeline.

2.2 Your team’s tasks

* Initiate work on the project concepts.
* Understand the suitable deployment platforms.

# **Progress made in Reporting Week at an individual level and group level**

* 1. Individual progress

Sakshi: Analyzed various phases of SDLC and Agile following Scrum with GitHub.

Bansil Patel: Motion Filtering, Edge Detection, OCR, Image Compression (PCA).

Harsh Mohile: Helped in implementation of CI/CD Pipeline Demonstration.

Meet Patel: Applied Git concepts to their personal demo environment.

Rachit Bhatt: Implemented a demonstration of CI/CD Pipeline.

* 1. Your team’s progress
* Implemented CI/CD Pipeline Demonstration.
* Researched on concepts of Computer Vision.
* Initial understanding of GitHub.
* Initialized GitHub as per Agile Methodology.

# **The areas/tasks you could not make progress and/or complete as scheduled or the difficulties encountered in this reporting week at individual level and group level.**

* 1. Individual project blockers

Sakshi: N/A

Bansil Patel: Understanding the concept of edge detection was challenging.

Harsh Mohile & Rachit Bhatt: A lot of trails were taken to fix minor bugs in implementing CI/CD Pipeline.

Meet Patel: Using Git commands was challenging in front User-Friendly GitHub interface.

* 1. Your team’s project blockers
* Git on command-prompt.
* Time for testing CI/CD Pipeline.

# **Tasks to be completed in next week at individual level and group level**

Learning VS Code will be a common task for the entire team in the next scrum.

* 1. Individual tasks

Sakshi: Learning VS Code + Learning GitHub.

Bansil Patel & Meet Patel: Learning VS Code + Exploring Dataset.

Harsh Mohile & Rachit Bhatt: Learning VS Code + Creating Branches for automation and deployment, and over Git Management.

* 1. Your team’s tasks
* Adapting VS-Code as IDE for development and version control.
* GitHub Management.
* Exploring Dataset.

# **Include the tasks from your sprint planning (Github/Zenhub) for the present period.**

A screenshot of a computer

Description automatically generated

**Figure 1:** Status Chart of GitHub Issues in Milestone

Since all of the tasks have not been completed, some of the tasks would be available in the next scrum.

# **Include charts/graphs (e.g., burn down charts) from your project management tool (Github/Zenhub) that shows your progress for the period of this report.**

A screenshot of a graph

Description automatically generated

**Figure 2:** Highest Contributor of the Week

# **Include a note and address to your project Github with list of codes uploaded/updated on Github in this reporting week.**

[GitHub](https://www.github.com/rachit-bhatt/Capstone-Project): <https://www.github.com/rachit-bhatt/Capstone-Project>

A screenshot of a computer

Description automatically generated

**Figure 3:** Categories of Images of a Damaged Car.