Capstone Project Weekly Progress Report

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| --- | --- |
| 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)  Meet Patel (C0910378)  Rachit Bhatt (C0902810) – TL |
| Reporting Week | Week 2 |
| 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: Document the proposal with proper formatting and make project icon.

Bansil Patel: Research project domain and define resource allocation.

Harsh Mohile: Study on ML-Ops.

Meet Patel: Select the dataset.

Rachit Bhatt: Configure GitHub.

2.2 Your team’s tasks

* Trailing with various datasets and finalizing one for the project.
* Researching on Computer Vision for Image Processing.
* Configuring GitHub and initiating working on ML-Ops.
* Decorate the project by creating an appropriate icon and structuring the reports.

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

* 1. Individual progress

Sakshi: Developed an appropriate icon for the project and learned GitHub.

Bansil Patel: Researched multiple project domains and defined their challenges and scope.

Harsh Mohile: Studied ML-Ops.

Meet Patel: Explored various datasets and found a dataset appropriate for the project.

Rachit Bhatt: Initiated GitHub configuration for the project.

* 1. Your team’s progress
* Explored various datasets and picked the one with more appropriate images.
* Initiated the research on Computer Vision.
* Initiated the GitHub configuration for the project management.
* Implemented a project icon.

# **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: A lot of time was consumed when using AI for idealizing project icons.

Bansil Patel: Understanding the concept of Edge Detection.

Harsh Mohile: Confused in the CI/CD pipeline implementation in GitHub.

Meet Patel: Managing datasets due to low storage space and huge dataset size to accommodate one at a time.

Rachit Bhatt: Creating and configuring branch rulesets.

* 1. Your team’s project blockers
* Identifying the most current and relevant project topics was particularly challenging, as it involved extensive research and evaluation.
* Finding appropriate algorithms, datasets, and deployment standards required careful consideration to ensure they met our project needs.

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

* 1. Individual tasks

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.

* 1. Your team’s tasks
* Initiate work on the project concepts.
* Understand the suitable deployment platforms.

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

A screenshot of a graph

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

# **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 computer

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**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 program

Description automatically generated

**Figure 3:** A few Libraries applied on Sample Dataset.

A screen shot of a computer program

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**Figure 4:** Loading Images from a Sample Dataset.