Capstone Project Weekly Progress Report

| Semester | Fall 2022 |
| --- | --- |
| Course Code | AML 2404 |
| Section | Section 2 |
| Project Title | Skin Diseases Classification using Deep Learning |
| Group Name | G |
| Student names/Student IDs | Tomson George (C0857730)  Praveen Mahaulpatha (C0860583)  Thulana Abeywardana (C0861333)  Juskaran |
| Reporting Week | Week 1 (11 September 2022 to 18 September 2022) |
| Faculty Supervisor | William Pourmajidi |

# **Tasks Outlined in Previous Weekly Progress Report**

This is the First week (First progress report), therefore no previous progress report available.

# **Progress Made in Reporting Week**

During this week the group discussed and researched on various projects on AI and Ml and gathered some literature. After going through several discussions following topics were selected and prioritized (the priorities are indicated against the project name).

Skin Diseases Classification using Deep Learning – Priority 1

Lane Line Detection for Self Driving Vehicles – Priority 2

Aerial Image Detection and Reporting - Priority 3

Brain Computer Interface (Mind control robot) – Priority 4

Considering time availability and the possibility to delivering a tangible output as a market product, the aforesaid project indicated as priority 1 (Skin Diseases Classification using Deep Learning) was selected.

# **Difficulties Encountered in Reporting Week**

To find the balance between selecting a project which have an impact and to offer the complexity that is required to challenge us enough in a semester was somewhat a difficulty . Also to assess the competencies and resources too considerable time in deciding a project.

# **Tasks to Be Completed in Next Week**

Following tasked to be completed in next week (18 September 2022 to 25 September 2022).

| Tasks | Responsible Person 1 | Responsible person 2 |
| --- | --- | --- |
| Finding a reliable datasets | Tomson | Praveen |
| Finding literature on Skin deceases, common types etc. | Juskaran | Tomson |
| Training a model using sample dataset | Praveen | Thulana |
| Labeling a sample dataset | Thulana | Juskaran |