

Capstone Project Weekly Progress Report

| | |
|----------------------------------|--|
| Semester | Fall 2022 |
| Course Code | AML 2404 |
| Section | Section 2 |
| Project Title | Android app for Skin Diseases Classification using Deep Learning |
| Group Name | G |
| Student names/Student IDs | Tomson George (C0857730) Praveen Mahaulpatha (C0860583) Thulana Abeywardana (C0861333) Jaskaran Singh Moti (C0860026) |
| Reporting Week | Week 1 (11 September 2022 to 18 September 2022) |
| Faculty Supervisor | William Pourmajidi |

1. Tasks Outlined in Previous Weekly Progress Report

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

2. Progress Made in Reporting Week

During this week the group discussed and researched various projects on AI and ML and gathered some literature. After going through several discussions, the 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 of delivering a tangible output as a market product, the aforesaid project indicated as priority 1 (Skin Diseases Classification using Deep Learning) was selected.

3. Difficulties Encountered in Reporting Week

To find the balance between selecting a project which has an impact and offering the complexity that is required to challenge us enough in a semester was somewhat difficult. Also, assessing the competencies and resources takes considerable time in deciding on a project.

4. Tasks to Be Completed in Next Week

Following tasks will be completed 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 diseases, common types, etc. | Jaskaran | Tomson |
| Training a model using sample dataset | Praveen | Thulana |
| Labeling a sample dataset | Thulana | Jaskaran |