Capstone Project Weekly Progress Report

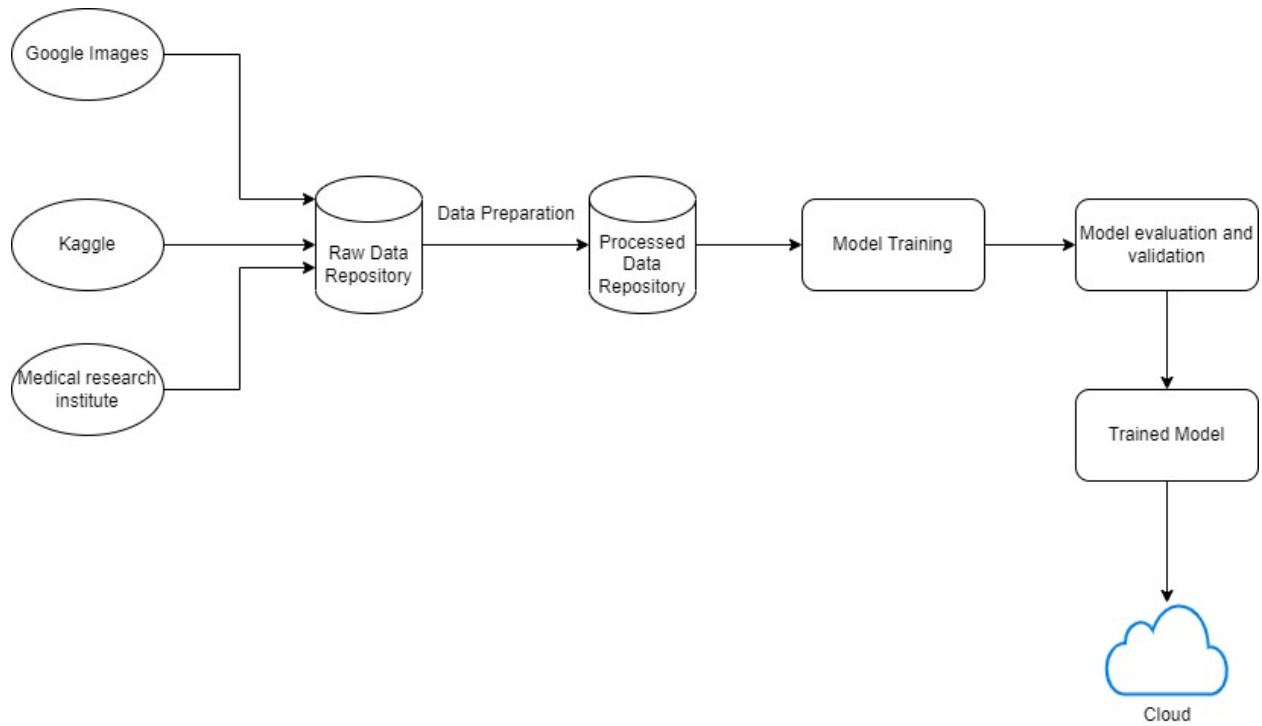|	
Semester	Fall 2022
Course Code	AML 2404
Section	Section 2
Project Title	Skin Diseases Classification using Deep Learning
Group Name	G
Student names/Student IDs	Tomson George (C0857730) Praveen Mahaulpatha (C0860583) Thulana Abeywardana (C0861333) Jaskaran Singh Moti (C0860026)
Reporting Week	Week 2 (18 September 2022 to 24 September 2022)
Faculty Supervisor	William Pourmajidi

1. **Tasks Outlined in Previous Weekly Progress Report**

Four tasks were outlined for the previous week. They are,

- Finding a reliable dataset
- Finding literature on common skin diseases
- Training a model using a sample dataset
- Labelling a sample data set

2. **Progress Made in Reporting Week**

During this week, we as a group researched various common skin diseases and datasets. We filtered out seven common diseases and found a reliable dataset to train the model from Kaggle. We successfully labelled a sample dataset and trained a model to check the feasibility. A UML diagram of our project was also designed and then modified according to the feedback from Professor.

Figure 1 UML Diagram

3. Difficulties Encountered in Reporting Week

Finding common diseases and their respective dataset was time-consuming. Although there were many datasets to choose from, selecting the high-quality image set was a challenge.

4. Tasks to Be Completed in Next Week

The following tasks will be completed next week (25 September 2022 to 1 October 2022).

Tasks	Responsible Person 1	Responsible person 2
Finding natural remedies for common skin diseases and documenting them.	Jaskarana	Tomson
Finding the feasibility of deploying the code in either Heroku or AWS.	Tomson, Praveen	Thulana, Jaskaran
Understanding dataset and pre-processing.	Thulana	Jaskaran