MILESTONES AND ACTIVITY LISTS

Date	26 October 2022
Team ID	PNT2022TMID47686
Project Name	Project-AI based localization and classification of skin disease with erythema

AI based localization and classification of skin disease with erythema:

1.Project objectives.

1.1. Project abstract.

2.Problem statements.

3.Proposed solution.

4.Required software installation.

4.1. Python

4.1.1. Build Python code.

4.2. IBM cloud

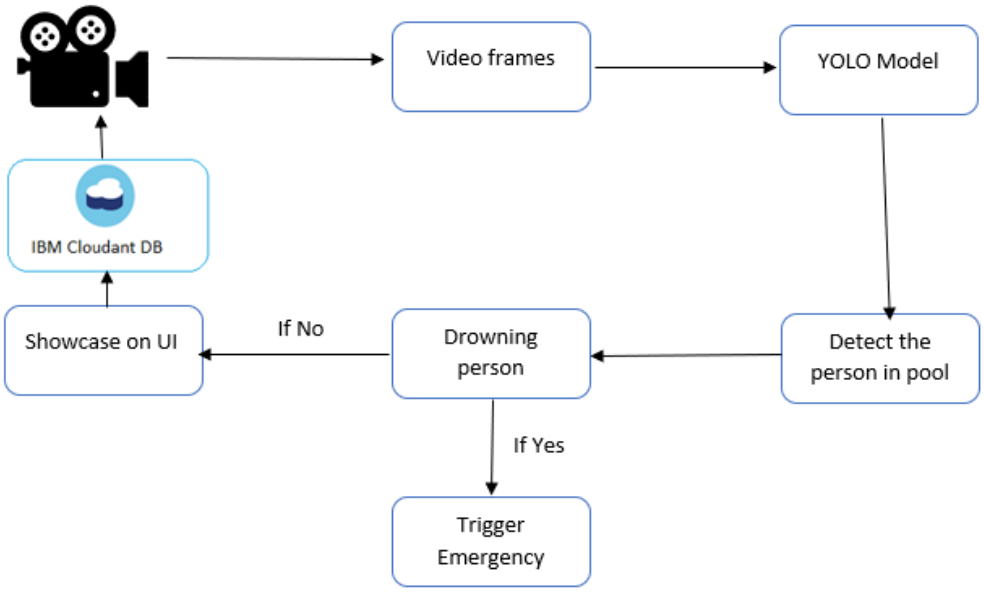
4.3. IBM WASTON studio

4.4. IBM CLOUDANT DB

4.5. YOLOv3 algorithm

5.Technical architecture.

5.1. Block diagram



6.Building project

6.1. Install python IDE – SPYDER / PYCHARM IDE is ideal to complete this project.

6.2. Install python packages.

6.2.1.tensorflow- used as backend support to KERAS.

6.2.2.KERAS- used for building neutral network layer.

6.2.3.OPENCV- used for image processing

6.2.4. Pillow.

6.2.5 Progress Bar.

7.Install Microsoft's visual object Tagging Tool (VOTT)

7.1. Download and install the version of your operating system.

8.Training YOLO

8.1. Download and convert pre-trained weights.

9. CLOUDANT DB

9.1. Register & Login to IBM cloud

10.Create service instance.

11. Creating service credentials.

12.Launch CLOUNDANT DB.

13.Create database.

13.1. Create Dataset from scratch

14.Ideation Phase.

14.1. Literature survey

14.2. Empathy Map

14.3. Ideation

15.project design phase-I

15.1. Proposed solution

15.2. Problem solution fit

15.3. Solution Architecture.

16.Project design phase-II

16.1. Customer Journey

16.2. Functional Requirements

16.3. Data flow diagrams

16.4. Technology Architecture

17.Project planning phase

17.1. Prepare Milestones & Activity list

17.2. Sprint Delivery plan

18.Project Development phase

18.1. Project Development-delivery of sprint-1

18.2. Project Development-delivery of sprint-2

18.3. Project Development-delivery of sprint-3

18.4. Project Development-delivery of sprint-4