# Project Design Phase-II
## Data Flow Diagram & User Stories

| Date | 22 October 2022 |
|---|---|
| Team ID | PNT2022TMID05538 |
| Project Name | A GESTURE BASED TOOL FOR STERILE BROWSING OF RADIOLOGY IMAGES |
| Maximum Marks | 4 Marks |

**Data Flow Diagrams:**A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Predicted label

User

Gesture

Camera

Video Stream

Transform to Frames

Open CV

Histogram

Extract Hand

Frames

CNN

Predicting
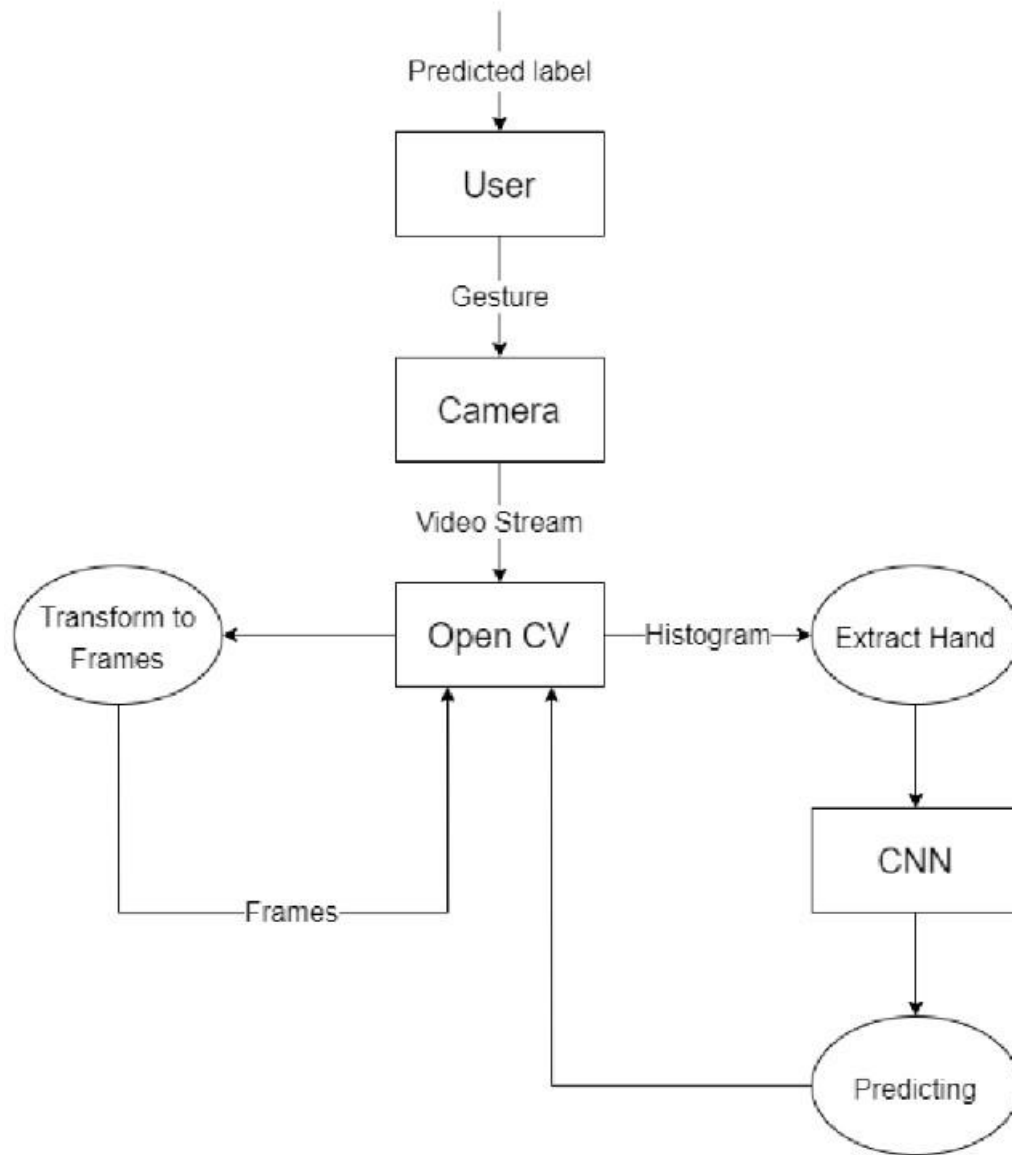
**Simplified DFD**
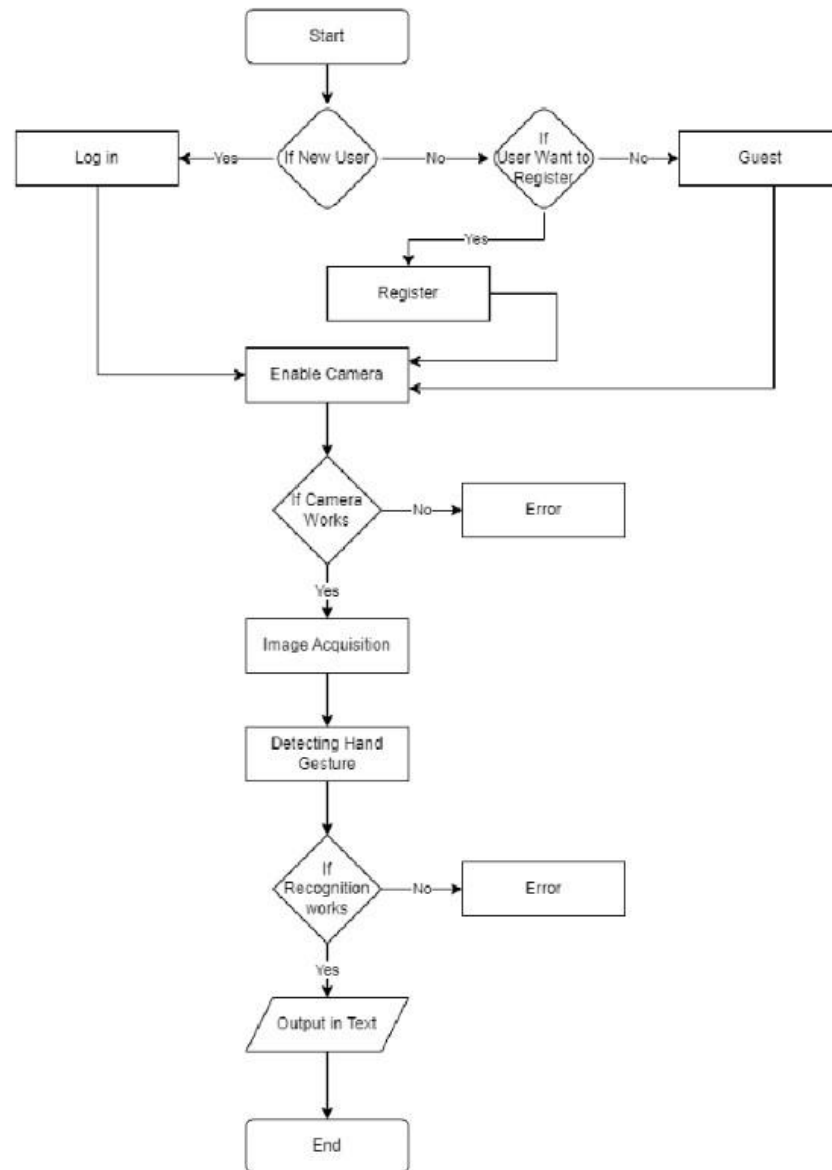
**Industry DFD**

**User Stories**

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Surgeons | Launching software | USN-1 | As a user, I can launch the developed software. | I can launch the software | low | Sprint-1 |
|  | Access UI | USN-2 | As a user, I can use the software and operate on the UI. | I can access the UI | Medium | Sprint-1 |
| Surgeons (Performs live browsing using camera) | Launching camera | USN-3 | As a user, I can open the camera from the software to perform gestures. | I can open the camera to capture the images | Low | Sprint-2 |
| Surgeons (Performs browsing by uploading existing images) | Upload images from local system | USN-4 | As a user, I can upload images to the software from the local system. | I can upload images to the software | Low | Sprint-2 |
| Surgeons (Performs live browsing using camera) | Perform Gestures | USN-5 | As a user, I can perform various gestures with respect to system specification for processing. | I can perform various gestures. | Medium | Sprint-3 |
|  | Display output | USN-6 | As a user, I can see the sterile browsed image with respect to the gestures performed, displayed on the screen. | I can see the sterile browsed image on the screen | High | Sprint-4 |