SYSTEM FLOW

Image acquisition via user input >> Image preprocessing >> Features extraction >> Stroke recognition with KNN classifier >> Output result as text to the user interface

Image acquisition via user input

Image preprocessing

Features extraction

Stroke recognition with KNN classifier

Output result to user interface

SOFTWARE DEVELOPMENT LIFE CYCLE

- Iterative Waterfall

Requirements Gathering

System Design and

Software Design

Implementation

System Testing

Operation and

Maintenance

RESEARCH FLOW

Data gathering >> Develop system >> Train the system >> Test the system (if accuracy is not met then train more) >> Deploy to participating users >> Collect user feedback (if there are recommendations, then redo the system again if possible)

\*\*\*\*\* the last two are still not sure

Or Data gathering > data training > test data > design UI > deploy > gather use feedback

Data gathering

Develop the system

Training the system

Testing the system

Collect user feedback

Deploy to participating users

2X2 CONFUSION MATRIX

|  |  |  |  |
| --- | --- | --- | --- |
|  | | **Predicted** | |
| **Negative** | **Positive** |
| **Actual** | **Negative** | True Negative | False Positive |
| **Positive** | False Negative | True Positive |