


PERSON 1

My name is DEVA



Name & Photo

Behaviors & Actions

What do they feel?

They want to diagnose the patients

What do they do during this experience?

They check their ECG rates

What are they seeing? Hearing?

ECG Signals

USA

Single

37

No

Doctor

Male

What problems do they have?

Diagnosing the patient

What tasks are wasting their time and resources?


Securing ECG data

What do they need to accomplish? What does success look like for them?

Successful classification of Arrhythmia

PERSON 2

My name is MONI



Name & Photo

Behaviors & Actions

What do they feel?

They feel comfortable with the model

What do they do during this experience?

They provide data to the model

What are they seeing? Hearing?

ECG signals

UK

Married

38

Yes

They work as a technician for a hospital

Female

What problems do they have?

Procuring a device which helps in diagnosis

What tasks are wasting their time and resources?

Data gathering

What do they need to accomplish? What does success look like for them?

Successful diagnosis

Setting up device

Checking hardware

Checking software

Overall check

Checking computer requirements

Checking the ML Model

Final round check

Providing data to the machine

Data gathering

Cleaning data

Data Providing

Procure data from patients

Preprocessing

Data provided to machine

Running the algorithm

Training

Testing

Final output

Training using data

Testing using data

checking final output metrics

Gathering the output

Output metrics

Evaluation

Results

Accuracy

Evaluating the test output

Obtaining the results

Providing diagnosis

Classification and diagnosis

Generating report

Final diagnosis

Final output received which tells whether the patient is diagnosed or not

organizing the result diagnosis and filing them

Final output provided to patient

Release 1

Release 2

Checking GPU,CPU

Making improvements to ML Model

Procure data from website

Normalisation

Procure data Manually

Increasing epochs

Fine tuning parameters

Precision

Recall

F1 Score