No

Yes

Yes

Yes

Yes

Yes

No

No

No

No

No

No

Neutral Emoji

Yes

Angry Emoji

Yes

No

Yes

Open camera

No

Yes

Validation dataset

Training dataset

CNN Model Training

Convolutional Layer

Max Pooling Layer

Convolutional Layer

Max Pooling Layer

Convolutional Layer

Max Pooling Layer

Surprised Emoji

Happy Emoji

Fearful Emoji

Sad Emoji

Disgusted Emoji

Stop

7th is max

6th is max

5th is max

4th is max

3rd is max

2nd is max

1st is max

Maximum of 7 predictions

7 predicted face expressions

Load trained model

Face detected

Load Haar Cascade classifier for face detection

Save the CNN model

Training complete

epoch = epoch + 1

Load data from the prepared dataset

Start