

# *“BLUE EYE”*

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Name: Md. Nayim Islam

ID: 193313007

Semester: 8th

Batch: 6th

**Project Supervisor:**

Al Muktadir Munnam

Lecturer

Dept. of CSE, VU

# Introduction

- The Blue Eye Software will be made mainly for those who cannot see with their eyes and those who cannot hear with their ears.
- This software will be targeted at Android and iPhone users.
- This software can be used through voice commands and touch.
- Use back-end python programming language and front-end dart programming language.
- This software will be dynamic.
- Various options, the user will be able to use the data for his own needs through training.
- This software will have enough security.
- **Example:** If a blind person uses the software, then if he opens the camera of the software through voice command, what is the object in front of him, what is the object doing, and what is his emotion will tell all the software. If an object cannot speak, it will be able to communicate with the user through cultural symbols.

# Motivation

- There are many people in the world who can't see, can't speak, can't hear. I came up with the idea of making software to make their life journey a little easier.
- I want them to live a normal life like us. So that they can use smartphones like us.
- I will update my software in the future according to the user's requirements. I will make it more secure.
- I will add more new features in the future with the mentioned Features.

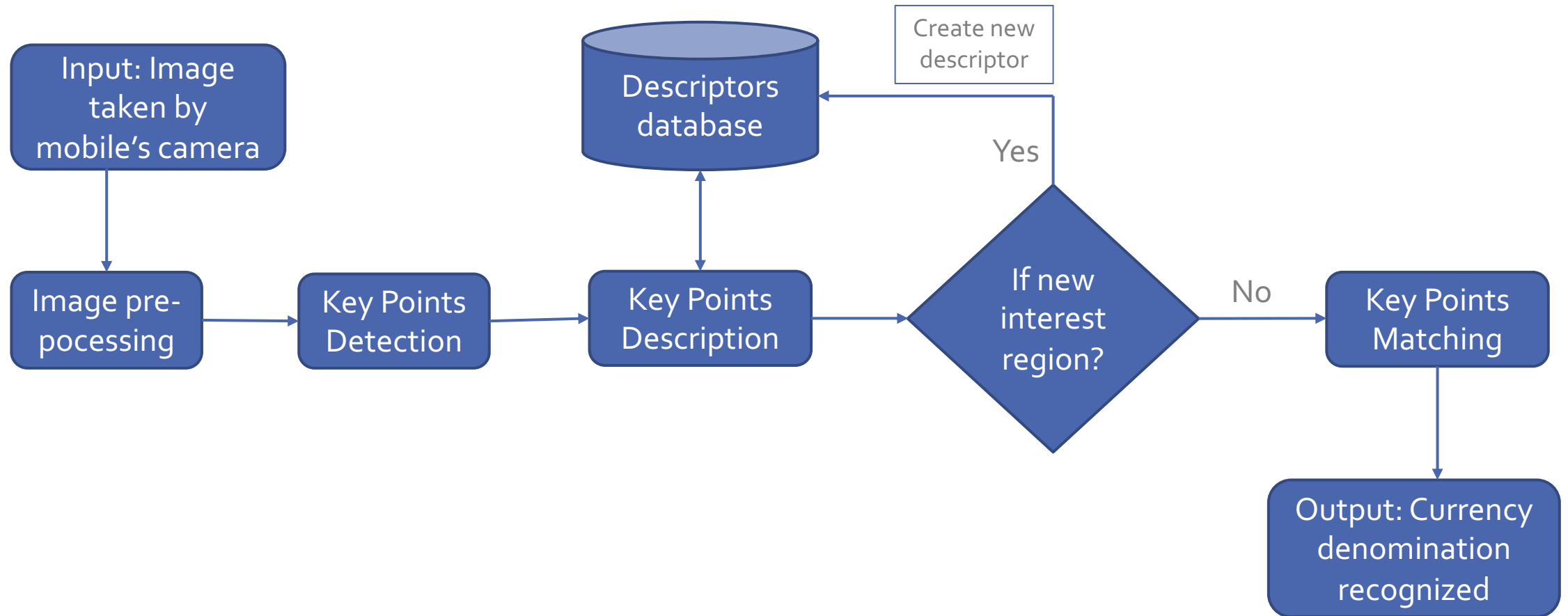
# System Overview: Tools

- **Tools:** *Android Studio, VS Code Editor, XCode.*
- **Emulator:** *ISO emulator, Android emulator.*
- **Platform:** *Android, iPhone, Windows, Mac, Web.*
- **Language:** *Python, Dart.*
- **Framework:** *Flutter.*
- **Database:** *Firebase.*
- *Some Additional Plugins or package.*

# Features

- Face and Object Identification
- Object Movement Detection
- Emotion Detection by Image
- Emotion Detection by Voice
- Emotion Detection by Pose
- Age Detection
- Gender Detection
- Chatbot
- Digital Voice Assistant

# System Overview: Flowchart



# Planning

Date	Planning Details
03/06/2022	I will submit the project proposal
10/06/2022	I will create a complete user interface
17/06/2022	I will fix the security system and create an about section
01/07/2022	I will train the data set: Face and Object Identification
03/07/2022	I will train the data set: Emotion Detection by Image, Voice, Pose
15/07/2022	I will train the data set: Age Detection and Gender Detection
22/07/2022	I will train the data set: Digital Voice Assistant and Chatbot

# Limitation

- Face recognition systems can't tell the difference between identical twins.
- The accuracy of emotion detection is very low.
- Voice assistance often goes wrong for extra noise.
- Gender detection is not always accurate.
- Lack of Emotional Intelligence.
- Need for Continuous Training Data.



# Conclusion

Often there is a problem in detecting the same type of object and due to very low detection accuracy, it often shows wrong information. In the case of chatbots, people often get confused because they do not understand emotions. Note that if there is too much noise, the voice assistant will do the wrong thing. I will try to solve these problems as quickly as possible and reduce the percentage of mistakes. I will give the customer a nice user interface.

# Reference

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