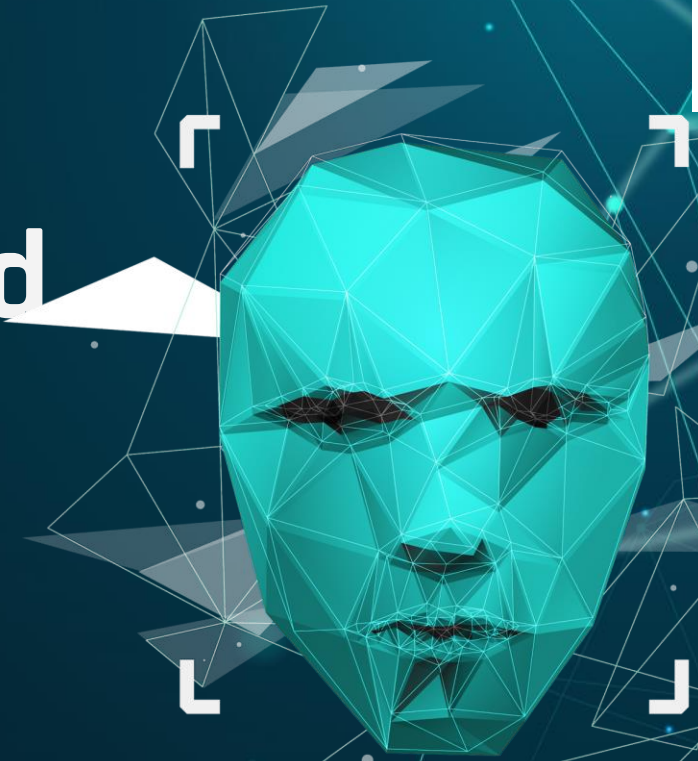
AI Facial Detection and Facial Recognition



Group3: AIHACKERS

DEEP LEARNING INDABA

NAMIBIA UNIVERSITY OF SCIENCE AND TECHNOLOGY

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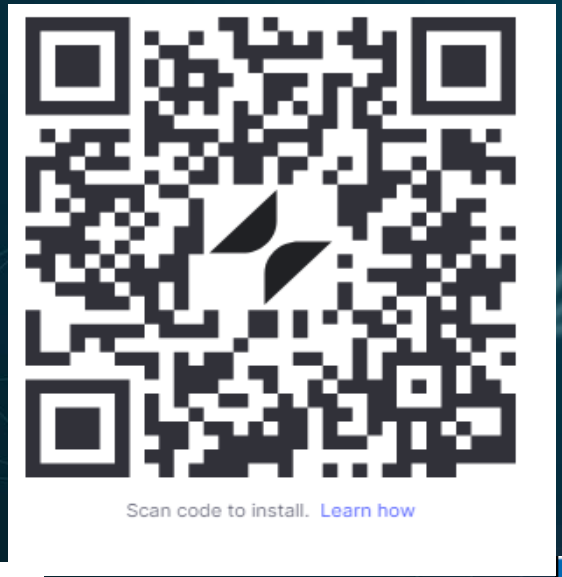
Link to live demo

https://indabax2022-au12.glideapp.io



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Frans NUST

AIHACKERS

ABOUT US

Our Team Comprised of 3 Students from Both The Namibia University of Science and Technology and The University Of Namibia

Goodwill NUST

Hiiko UNAM

Deep Learning Indaba X Namibia 2022

Challenge 2

Facial Emotion Recognition AND **Custom Face image Identification**

This challenge aims to combine information from the two datasets and create an Attendance register application that can record the person's name and emotions, this information can be logged into a file and later an analysis of each person's emotions over a period of hours/days can be shared or reviewed by management

The Process

Data needed to be sorted and clead so we have Labbles and Different Sets of Data

WE are confided that Our results are with in the range of 65% to 80 accurate

Data Cleaning

Results

Data Collection

We needed a lot of Data to help train our models

Trainging AI

CNN was Used for the Detetion and Recognition

With Corss Antropy and Corss validation

Deployment

Due to lack of resourses

1 Team members

2. Finances

We are not ready to deploy yet

OUR PROGRESS

Facial Detection

Application is Functiona;

Facial Recognition

Venus is the second planet from the Sun

Deployment

WE are have limited resources to fully implement a deployment

How ever with we have a working prototype

Uploading Training Set

A lot of Data is needed to be able to train the models correctly. To accuire this data proved to be a problem for team of 3

Register DB

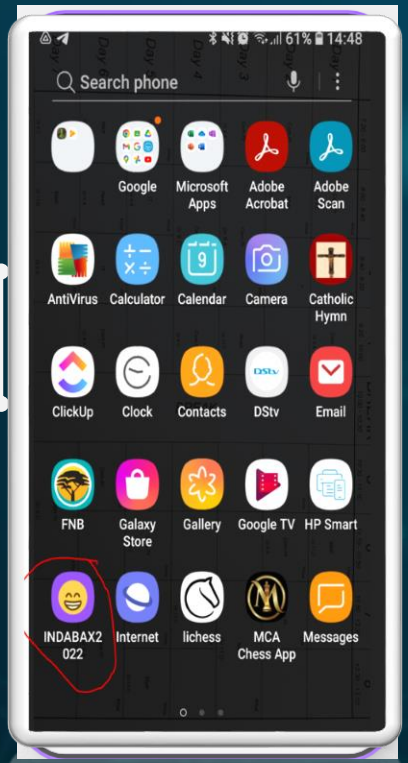
This still needs to be finalised as we did not have enuouth time to complete the logging register

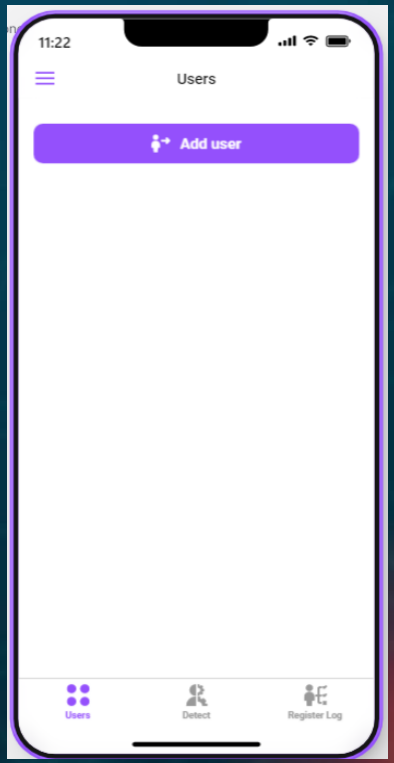
SOFTWARE DESKTOP

All you Need is a PC
and A Camera

MOBILE APP

We Hope to deploy the facial recognition on mobile ap as well as load and do training dataset by gettting users to Upload their information



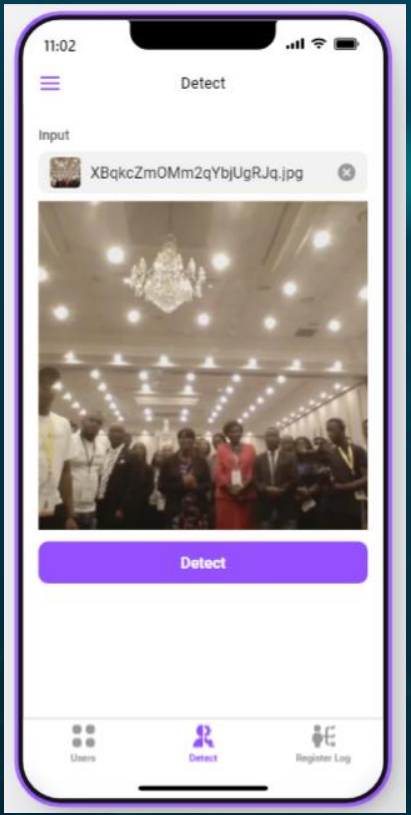


MOBILE APP

Example to Upload

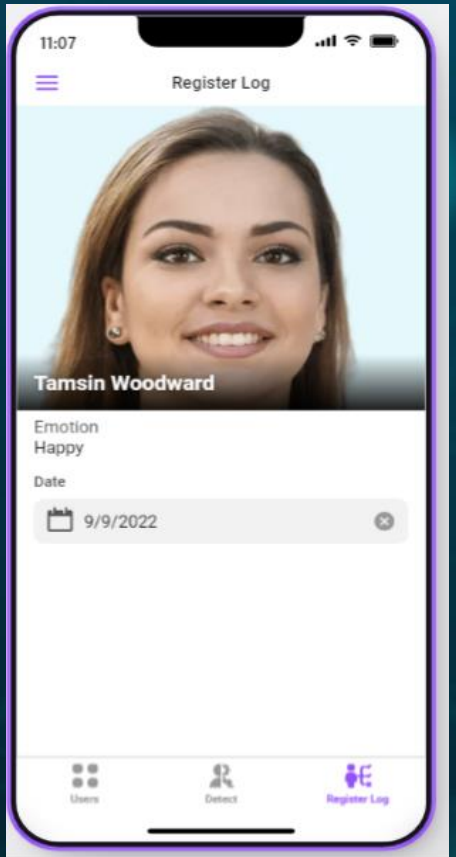
MOBILE APP

We then have the detection facility set as weill as an option



MOBILE APP

Report We hope to log the daily Picture of the user as well as the full user logging data in the backend of you DB Tables



Live DEMO

THANKS!

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