Master Yogi

Virtual Yoga Instructor

Yoga for all. Health for all

Abstract

The human body being the most complex biochemical factory, learning how to engineer it helps enter a sense of modalities at will. The world is caught up in a rat race and keeping oneself fit has not been given much thought that it deserves.

This project's main objective is to motivate society to practice yoga by providing a comfortable environment by building a virtual yoga instructor.

Problem Statement

Cost
7 in 10

Privacy
4 in 10
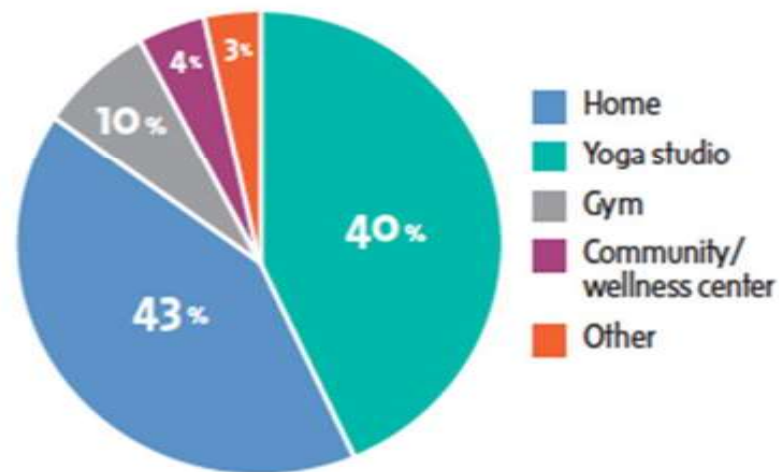
Transport
6 in 10

Flexible time
5 in 10
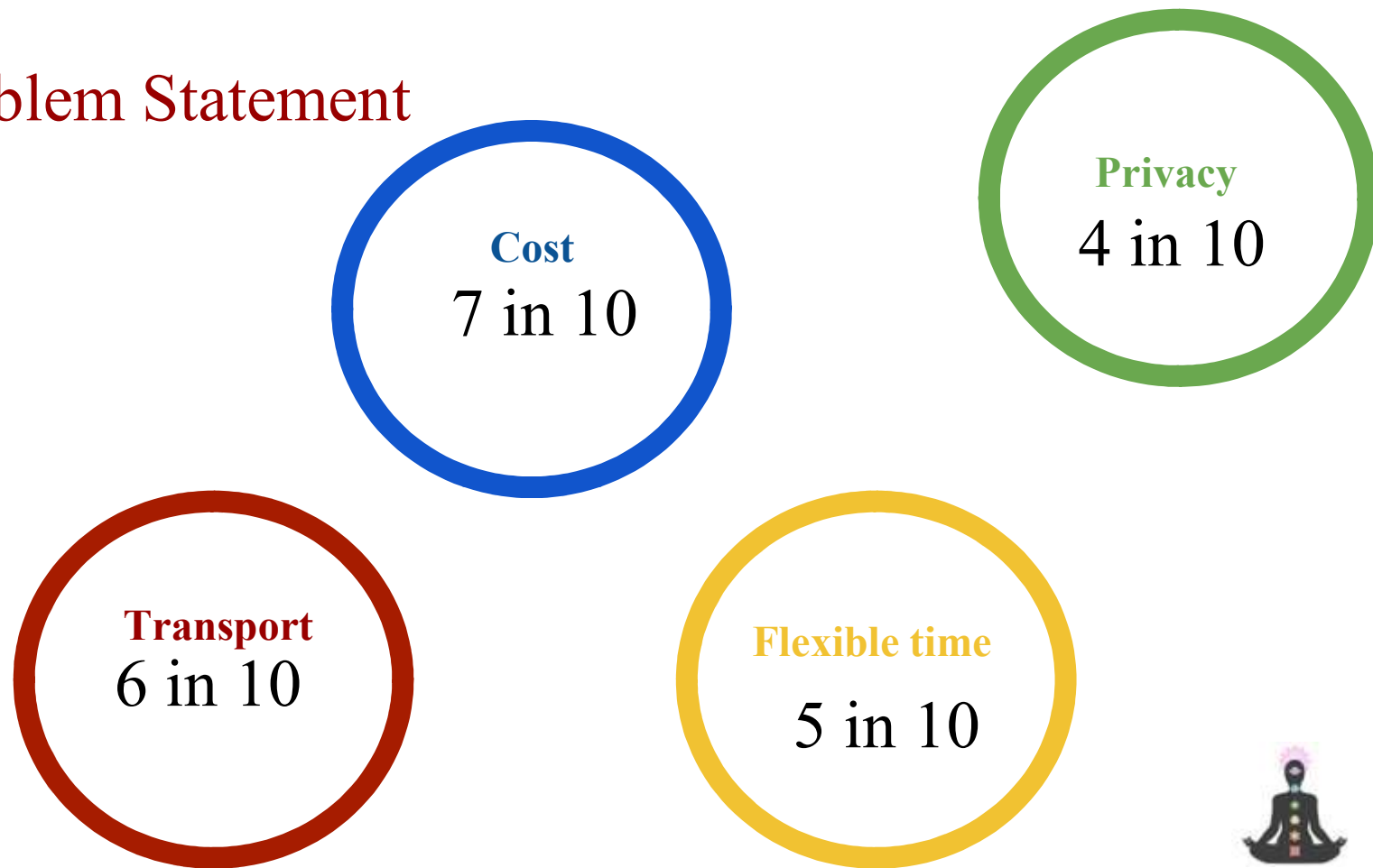
OBJECTIVES

❖ A personalised yoga assistant at the fingertips of users.

❖ Energy Meter and Report to users.

❖ Obtain control over time and environment.

❖ Eliminating unnecessary high-cost hardware and transportation.

❖ Hassle free user experience and customization features

Batch D6

Graphs and stats

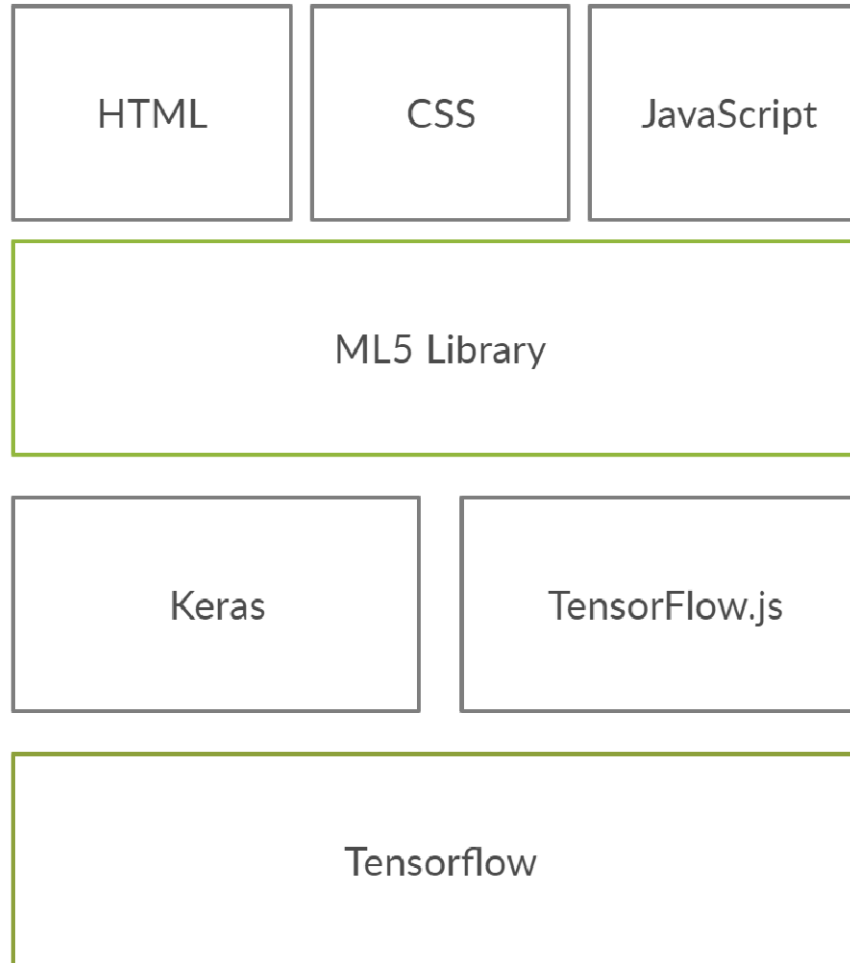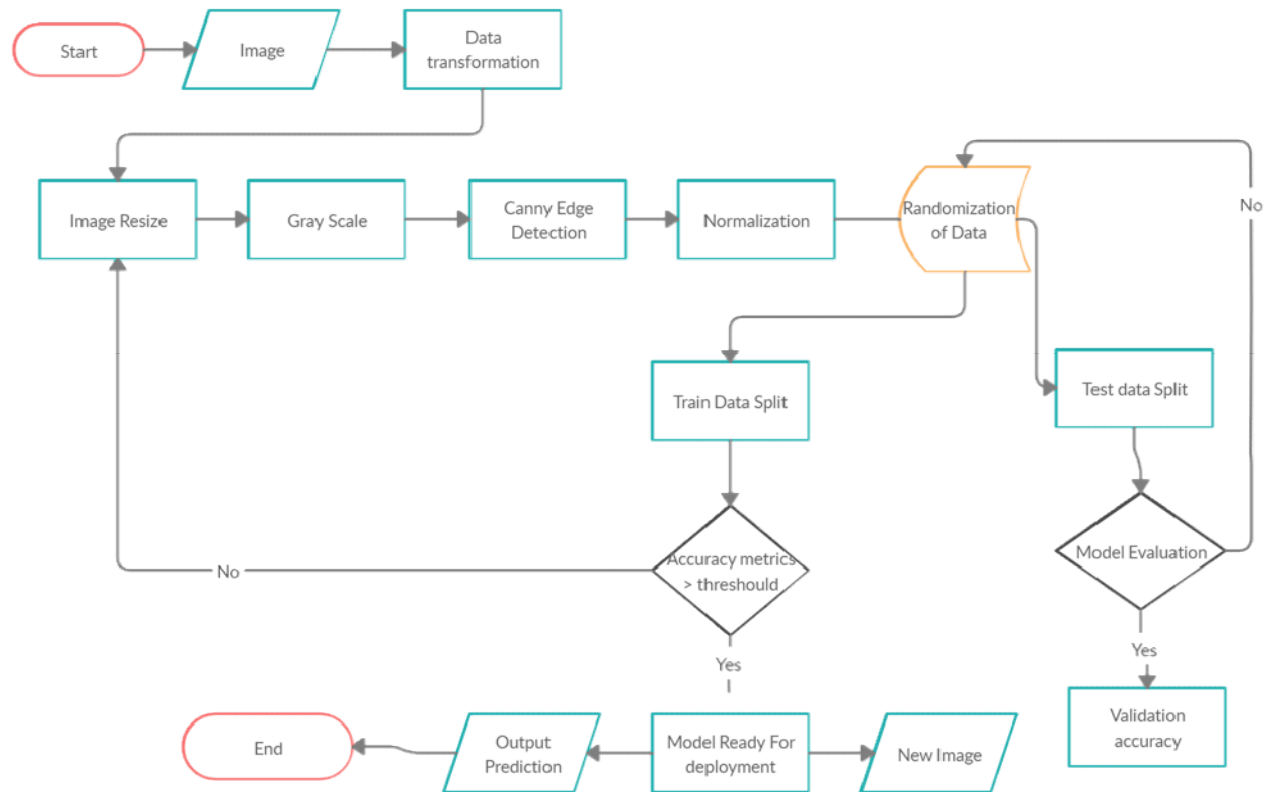❖ According to popular blog "yoga journal" yoga enthusiasts prefer doing yoga at home

https://www.yogajournal.com/yoga-101/yoga-numbers-yoga-statistics

Project Structure

Virtual Yoga Instructor

VIRTUAL YOGA INSTRUCTOR
FINAL YEAR PROJECT

CSS
Style sheets

HTML PAGES
layout designs

JAVASCRIPT
Scripts

CARDS
Card style for displaying the list of poses

GAUGE
Energy Meter

TIMER
Stopwatch to record the time for each pose

INDEX
Home page

ABOUT
About the webpage

TRAIN PAGE
Practice page to give access to the camera and do yoga practice

ADMIN
Admin access page to add new images

Data Training
Add New Poses by the Admin

Model Loaded
Loads the pre-trained model for prediction in practice page

Technology Stack

HTML	CSS	JavaScript

ML5 Library

Keras	TensorFlow.js

Tensorflow

Traditional Model

Enhanced Model
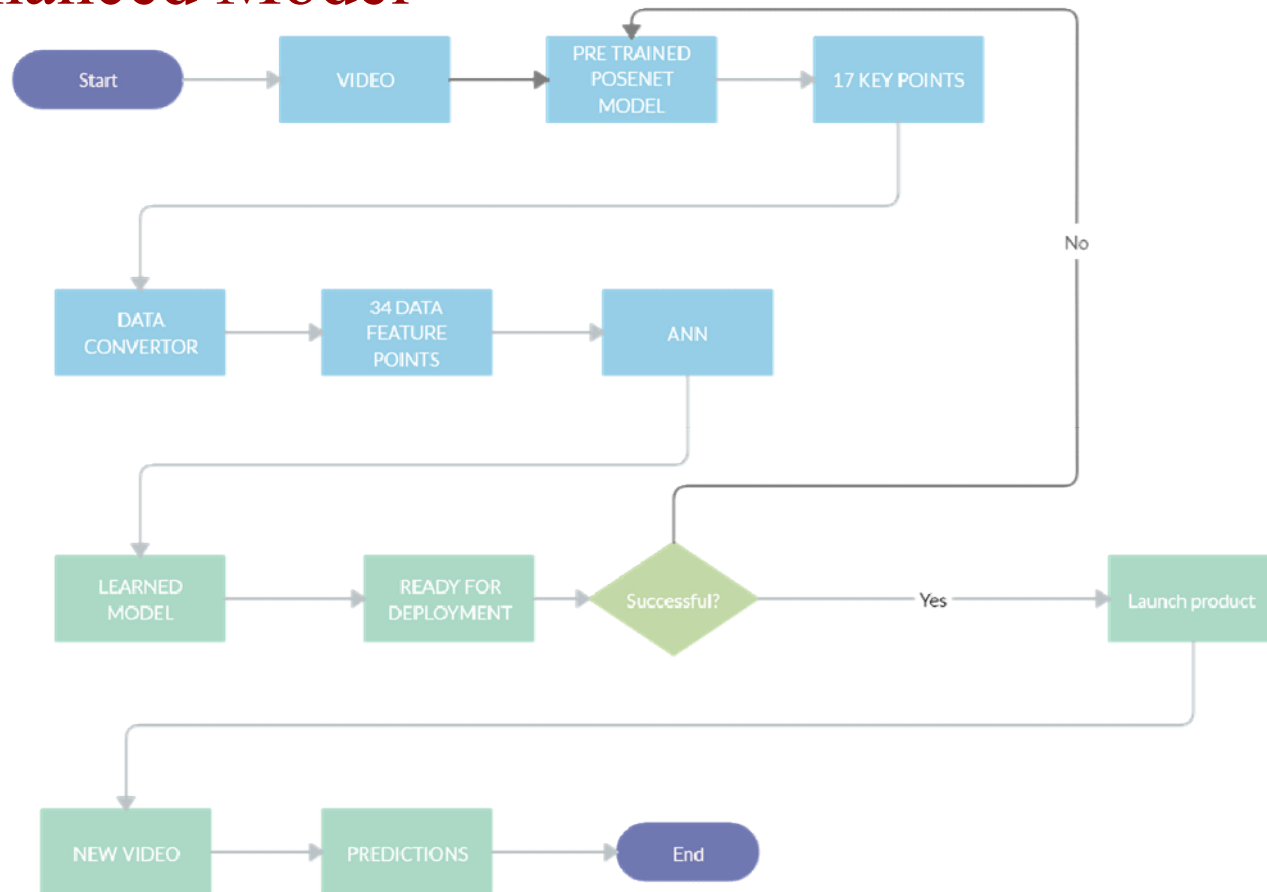
How is our solution Different from others:

❖ Common and significant feature is video lectures

❖ High priced lessons

❖ Microsoft kinect uses hardware and software features

Features

- ❖ No Additional hardware needed.

- ❖ Real time pose estimation.

- ❖ Feedback system.

- ❖ Easy to use.

- ❖ Providing standard features for all users completely free.

- ❖ User friendly UI.

- ❖ More customization features.

- ❖ Economical packages.

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Future Of Yoga As Business

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Not just mind and body, yoga is good for economy too

Thanks to International Day of Yoga the awareness is rising, as does business prospects

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Yoga as an industry - learning in 2018 and expectations in 2019

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According to a study conducted in 2017, over half of the 200 million Yoga practitioners are of Indian origin. India, the birthplace of this ancient practice has resurfaced for the global market.

ETHealthWorld | January 02, 2019, 06:00 IST

The business of yoga steadily growing in recent years

Given the projections, one can expect the slice of revenue from the yoga pie to grow larger and larger in the coming years.

Moneycontrol News
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Future Works

Alpha Release
- Energy Meter
- Pose Detection

Final Feedback collection
- Flaw Corrections from user feedback

Beta Release
- Admin Login
- Master Yogi Report
- Poses Additions

Launch
Final Launch

Thank You

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Q & A