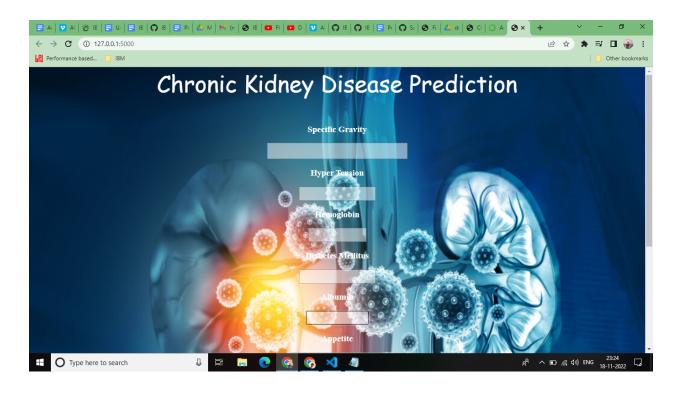
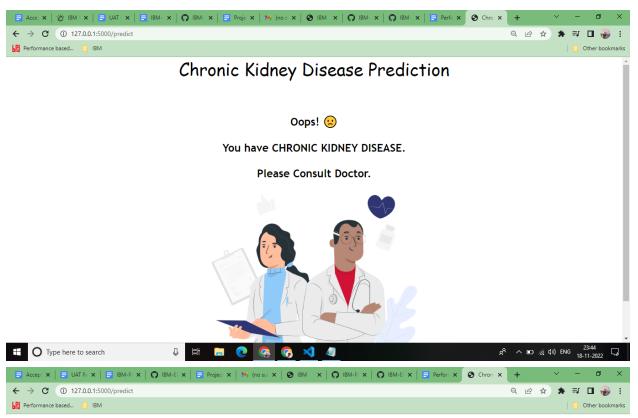
LOCAL DEPLOYMENT

Date	19 November 2022
Team ID	PNT2022TMID04381
Project Name	Project - Early Detection of Chronic Kidney Disease Using Machine Learning

CREATE HTML FILES





Chronic Kidney Disease Prediction

🏂 Congratulation! 🏂

You DON'T have Chronic Kidney Disease.



Live a Healthy Life



MODEL.PY

```
Tile Edit Selection View Go Run Terminal Help
                                                                                                                 model.py - Early Detection of Chronic Kidney Disease - Visual Studio Code
                                                                                                                                                                                                                                                                                            model.py X app.py
D
         4 # Importing Libraries:
5 import pandas as pd
6 import numpy as np
7 import pickle
             Kidney.jpg
                                                                          7 import pickle
8
9 # for displaying all feature from dataset:
10 pd.pandas.set_option('display.max_columns', None)
11
2 # Reading Dataset:
13 dataset = pd.read_csv("Kidney_data.csv")
14
15 # Dropping unneccsary feature :
16 dataset = dataset.drop('id', axis=1)
17
18 # Reolacing Categorical Values with Numericals
           △ app.py
           Kidney.ipynb
                                                                                       # Replacing Categorical Values with Numericals
dataset['rbc'] = dataset['rbc'].replace(to_replace = {'normal' : 0, 'abnormal' : 1})
dataset['pc'] = dataset['pc'].replace(to_replace = ('normal' : 0, 'abnormal' : 1))
dataset['pc'] = dataset['pc'].replace(to_replace = ('norpresent':0, 'present':1))
dataset['ba'] = dataset['ba'].replace(to_replace = ('norpresent':0, 'present':1))
dataset['htn'] = dataset['htn'].replace(to_replace = ('yes' : 1, 'no' : 0))
                                                                                         dataset['dm'] = dataset['dm'].replace(to_replace = {'\tyes':'yes', 'yes':'yes', '\tno':'no'})
dataset['dm'] = dataset['dm'].replace(to_replace = {'yes' : 1, 'no' : 0})
                                                                                         dataset['cad'] = dataset['cad'].replace(to_replace = {'\tno':'no'})
dataset['cad'] = dataset['cad'].replace(to_replace = {'yes' : 1, 'no' : 0})
                                                                                         dataset['appet'] = dataset['appet'].replace(to_replace={'good':1,'poor':0,'no':np.nan})
dataset['pe'] = dataset['pe'].replace(to_replace = {'yes':1, 'no':0})
dataset['ane'] = dataset['ane'].replace(to_replace = {'yes':1, 'no':0})
> OUTLINE > TIMELINE
                                                                                          dataset['classification'] = dataset['classification'].replace(to_replace={'ckd\t':'ckd'})
                                                                                                                                                                                                                                                                            ぷ ヘ 畑 //( 中)) ENG 02:07 □ 19-11-2022 □
                                                                                         Q 🛱 🔚 💽 🚱 刘
Type here to search
```

BUILD PYTHON CODE

```
Tile Edit Selection View Go Run Terminal Help
                                                                                                                                                                                    <u>C</u>

∨ EARLY DETECTION OF CHRONIC KIDNEY DI... 

Ф app.py > 

    predict

                                                        from flask import Flask, render_template, request

✓ Images

                                                        import numpy as np
import pickle
        Kidnev.ipa
                                                       app = Flask(__name__)
model = pickle.load(open('Kidney.pkl', 'rb'))
                                                       @app.route('/',methods=['GET'])
        result.html
                                                        def Home():
    return render_template('index.html')
       app.py
        ■ Kidney.ipynb
                                                        @app.route("/predict", methods=['POST'])
                                                         def predict():
                                                              predict():
    if request.method == 'POST':
        sg = float(request.form['sg'])
        htn = float(request.form['htn'])
        hemo = float(request.form['hemo'])
                                                                  dm = float(request.form['dm'])
al = float(request.form['al'])
                                                                 appet = float(request.form['appet'])
rc = float(request.form['rc'])
                                                                  pc = float(request.form['pc'])
                                                                 values = np.array([[sg, htn, hemo, dm, al, appet, rc, pc]])
prediction = model.predict(values)
                                                                 return render_template('result.html', prediction=prediction)
                                                        if name == " main ":
> OUTLINE
> TIMELINE
                                                             app.run(debug=True)
                                                                                                                                         Ln 27, Col 1 Spaces: 4 UTF-8 CRLF ( Python 3.9.12 ('base': co
                                                                                                                                                                         로<sup>Q</sup> ^ 🗗 🦟 (하) ENG 19-11-2022 🗔
                                                        J 🛱 🗎 💽 😘 刘
Type here to search
```

RUN THE APP

