Annexure II

PROJECT SYNOPSIS REPORT

ON

HEART ATTACKS PREDICTION

SUBMITTED

TO

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FOR

INTEGRATED PROJECT (CS203)

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Problem Statement

Medical diagnosis is an intrinsic and complicated task that demands being carried out with acute precision while taking into consideration various factors. ML techniques allow the use of intelligent methods across different datasets to reveal useful insights. This reprogrammable ability of ML in exploring, processing and interpreting datasets makes it favourable for decision makers in domains such as medical diagnosis.

Given clinical parameters about a patient, we have to predict whether or not they have heart disease.

Title of project

To Develop a web application or to make Prediction System on which user can submit their data and it will Predict whether there is chance of Heart Attack or not.

Objective & Key Learning's:

- It fulfils an objective to enhance learning.
- To promote online check-up of patients.
- Helped us to get the experience of developing full responsive application using technologies like Python, Machine Learning Models and different Libraries Present in ML and Python (Tkinter, Pandas, NumPy etc).
- It fulfils the objective to know that how a Machine Learning Model works and what are the Factors affecting the accuracy of model.

Options Available to Execute the Project

Currently the GUI of the Project is made using Tkinter but we can Deploy it on Heroku.

Advantages

- It helps users to get the output whether patient have chances of heart attack or not with high accuracy.
- Allows user to check at any time the chances of Heart Attacks.
- Helps to gain good knowledge.
- Helps to learn something new.
- Free knowledge.

Disadvantages

- There may be some chances of error.

References

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