**TITLE OF THE PROJECT**   **:**  Design and Implementation of Web Application of Effecting Heart Disease and Diabetes for Predicting Covid-19

**NAME OF THE STUDENTS**   **:** Mangammagari Panithavya,

Meenakshi.G,Sandhiya.K

**REGISTER NUMBER**  **:**  211417104142 , 211417104145, 211417104236

**NAME OF THE GUIDE**   **:**  Mrs. A.Kanchana,M.E

**ABSTRACT**

* Heart disease and Diabetes is one of the most significant causes of mortality in the world today. Prediction of COVID -19 is a critical challenge in the area of clinical data analysis.
* Machine learning (ML) has been shown to be effective in assisting in making decisions and predictions from the large quantity of data produced by the healthcare industry.
* We have also seen ML techniques being used in recent developments in different areas of the Internet of Things (IoT). Various studies give only a glimpse into predicting COVID-19 with ML techniques.
* For better accuracy 4 algorithms were analyzed namely:

Support Vector Machine (SVM)

Decision Tree (DT)

K-Nearest Neighbor Algorithm (KNN)

Random Forest Classifier

* The algorithms were judged based on their accuracy and it was observed that the K-Nearest Neighbor Algorithm (KNN) was the most accurate out of the four with 87.0% efficiency.
* Performance and accuracy of the applied algorithms is discussed and compared. Comparison of the different machine learning techniques used in this study reveals which algorithm is best suited for prediction of COVID-19.