**ABSTRACT**

**ROBO DOC- A MACHINE LEARNING DIAGNOSIC AID**

Currently genetic disorders are identified using invasive procedures which involves collecting tissue samples and analysing it but if there are complications involved in it, it would be extremely painful. Many of the researches have come up with different possible solutions but still having its own drawbacks.

Therefore we have come up with a better solution to avoid these drawbacks present in the traditional methods with better accuracy. A huge data set having multiple protein interaction and diseases caused by them would be taken as input and it will be modelled as a classification using KNN classification having class label as disease name, protein that are interacting are going to be classified. Based on the symptoms , the proposed system is capable of classifying diseases and then identify the protein -protein interaction that is responsible for the diseases.

The proposed system can suggest treatment based on proteins ,diseases label and disease intensity. That is, the possible treatments are identified and the best one would be suggested by the model based on its knowledge acquisition and rendition.