**Abstract**

Name : Identification of a disease using Decision Tree Classifier

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A decision tree is a flowchart-like structure in which each internal node represents a test on a feature, each leaf node represents a class label (decision taken after computing all features) and branches represent conjunctions of features that lead to those class labels. Decision trees are constructed via an algorithmic approach that identifies ways to split a data set based on different conditions. It is one of the most widely used and practical methods for supervised learning. In this project, I am training Decision Tree Classifier using training data, which consists of various symptoms and the associated diseases with them. Based on the symptoms that the user exhibits, the model identifies the disease suffered by the user.