**LEARNING OBJECTIVES**

* The main aim of the proposed System is to reduce the paper work and to avoid missing of data.
* To design a Heart Disease Prediction System which will provide automated medical diagnosis of the patient.
* Storage of patient’s medical history into Database.
* Generating different Diagnosis using Data Mining technique.
* To calculate probabilities for a patient about the chances of Heart Disease.

**LEARNING OUTCOMES**

* The large database is tedious to handle.
* Hidden data from the system is extracted using naïve bayes algorithm.
* Data is filtered and stored to be used in generating probability.
* Boyer Moore algorithm was implemented to find the pattern in the string.
* Probability is generated by comparing the filtered data.