**CHAPTER 2**

**PROBLEM STATEMENT**

**2.1. EXISTING SYSTEM:**

The price of the bitcoin can be predicted using the twitter sentiment analysis which is done by analysing the sentiment score with the historical price to predict the future price. The major contribution is a sentiment analyser which can distinguish between the positive and negative tweets of the bitcoin over Twitter. Though it is possible to predict the price of the bitcoin from the twitter sentimental analysis, it is comparatively difficult to know the positive and negative views in other social platforms. The bitcoin price prediction using machine learning algorithms such as the Bayesian Regression and GLM/Random forest which provides less accuracy so the deep learning algorithm such as Long short term Memory algorithm is used for the predicting the price of the bitcoin which provides the better accuracy than the machine learning techniques but this is used only for the short term dependencies.

**2.2. DISADVANTAGES:**

* It is long process of filter the data
* It face long fine to perfpem to perfpym the prediction