**CHAPTER 2**

**PROBLEM STATEMENT**

Depression as a common mental health disorder has long been defined as a single disease with a set of diagnostic criteria. It often co-occurs with anxiety or other psychological and physical disorders; and has an impact on feelings and behaviour of the affected individuals

* There are various types of studies examining the relationship between mental health and language usage to provide new insight into depression detection.
* use single set features, such as bag of words to identify depression in their posts. Some other papers compare the performance of individual features with various machine learning classifiers.
* Our existing method can build on KNN algorithm that significant to detect depression with 80% accuracy.

**2.1. DISADVANTAGES**

* There is no use of multiple features taking to predict users in depression.
* Less accuracy prediction when predicting the depression words.
* Less speed.