**Design Document**

1. Project Name: Statement Classification
2. Data set : Context.csv
3. Classification type : Multiclass classification
4. Available classes : Politics, Love, Heavy Emotion, Health, Animals,

Science, Joke, Compliment, Religion, Self, Education

5.Requirement:

Given a data set of different statements labeled with corresponding context or Topic.

Make a classification model to predict the Topic of a statement given to model using training the model with given data set.

6. Major steps in the Project

* Data loading and analyzing the features
* Data cleaning and pre processing with removing stop words and non alpha numeric characters
* Creating an LSTM model with appropriate hyper parameters
* Test the performance of the model and test with predictions
* Create a Flask app for making a service for prediction