

README AND REPORT

Word2Vec Model - Basic gensim module is used.

Maximum words added were 11.

The added words in dictionary format were -

```
additions_dic = {'one': ['एक', 'positive'], ',': [',', 'positive'], 'and': ['और', 'positive'], 'its': ['इसकी', 'positive'], '-': ['-', 'positive'], 'tablet': ['टैबलेट', 'positive'], 'on': ['पर', 'negative'], 'from': ['से', 'negative'], 'in': ['में', 'negative'], 'or': ['या', 'negative'], 'at': ['पर', 'negative']}
```

Basic programming - For loops, while loops, dictionaries have been used for calculating this.

Glove Model - The glove_python module is used.

Firstly our own data has been trained in the model.

This module generates a dictionary in itself which has been.

The parameters were experimented with through trial and error and the best result was then obtained.

The parameters were -

- Window size
- Number of components
- Learning rate
- Epochs
- Number of threads
- Verbose

This model generates a corpus matrix in itself and this is used for fitting which ultimately gives the word vectors.

Maximum words added were 8.

The added words in dictionary format were -

```
additions_dic = {'fast': ['तेज', 'positive'], 'very': ['बहुत', 'positive'], 'nice': ['अच्छा', 'positive'], 'good': ['अच्छा', 'positive'], 'house': ['घर', 'positive'], 'small': ['छोटे', 'negative'], 'thing': ['बात', 'negative'], 'problem': ['समस्या', 'negative']}
```

Basic programming - For loops, while loops, dictionaries have been used for calculating this.