Google Summer of Code 2019

FOSSology: Continuation of Atarashi OSS

horizontal line

08July **20**19 - 14 July 2019 [ Week 07 ]

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Mentored By:

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* Gaurav Mishra ([GMishx](https://github.com/GMishx))
* Aman Jain ([amanjain97](https://github.com/amanjain97))

# Goals for the Week

1. Discussing the method to evaluate the Algorithms for Atarashi
2. Studying and coding the New Algorithm : Semantic Text Similarity

# Tasks Accomplished

1. **Discussing a method to evaluate the Algorithms for Atarashi**

There wasn’t any proper way to evaluate the existing algorithms as well as the upcoming ones to get the best of all. Aman Jain([amanjain97](https://github.com/amanjain97)) suggested there should be one script to evaluate the algorithms. The two factors I suggested for the evaluation were “Time” and “Accuracy”.

2. **Studying and coding the New Algorithm : Semantic Text Similarity**

In this algorithm we first convert the words into vectors according to the meaning of the word in that sentence. For this we will be using a pre-trained model provided by spacy.io/gensim. We will then find the Cosine Similarity between the vectors and gives the output as result. Aman Jain([amanjain97](https://github.com/amanjain97)) suggested It would be better to convert the whole sentence to vector instead of just the word.

# Conference Call

**09th July 2019(Tuesday) Timings : 4:00 PM onwards**

**Attended By:** Ayush Bhardwaj, Sandip Bhuyan, Vivek Kumar, Michael Jaeger (Mentor), Anupam Ghosh (Mentor), Gaurav Mishra (Mentor), Aman Jain (Mentor), Shaheem Azmal (Mentor)

This was the weekly status update call. Everyone discussed their work is done so far and the upcoming todos. I discussed the algorithm I’ll be working one. Aman Jain([amanjain97](https://github.com/amanjain97)) suggested working on the evaluation scripts too. This script will help us to evaluate the algorithms so that we can find the better one.