

Progress report

Center of Excellence in Big Data Engineering

June 2018

Abstract

The idea of Co-creation of Center of Excellence in Big Data Engineering was initiated between IIIT Bangalore and City University, United Kingdom. The set of activities as a part of the initiative are co-creation of academic curricula in Big Data Engineering, conduct a workshop for tier 2, tier 3 institutions in India and involve representatives from City College in the workshop, create a course curriculum and teach in respective institutions and support specific research projects in Big Data. The progress is presented in this report. The set of tasks to be performed is also listed below.

1 Progress

1. Prof. Srinath Srinivasa visited Web Science Institute, University of Southampton to discuss the progress of Web Observatory project and look for other opportunities for research collaboration.
2. He presented a talk titled “Many Worlds on a Frame, Characterizing online social cognition” at the University of Southampton. The link to the presentation is [here](#)

1.1 Progress of Open city project

- (a) Open City prototype with Block chain dockers has been implemented by the students
- (b) They were able to log the access and hence use logs as a mechanism to implement large scale trust management

1.2 Progress of Web Observatory Project

- (a) The model for Identifying Narratives on Social Media was modified based on the evaluation and the feedback received after presenting the model to evaluators. The implementation of the refined model is completed and evaluation of results is going on currently.
- (b) Anish Pal, Mtech student is working on integrating Narrative identification part in to the existing web portal call MITHYA, which can be accessed at <http://webobservatory.iiitb.ac.in:8080/driveridentification/>

2 Tasks to be performed

1. To finalize on the potential partners and make progress in the collaboration.

2.1 Next steps for web observatory project

- (a) Submit the work on Identifying Narratives on Social media in an international conference.
- (b) Work on integration of previous work "Identifying Opinion Drivers on Social Media" and the current work of "Identifying Narratives on Social Media" and form a model to identify Signature of a trending topic on social media.
- (c) Develop the theory of modeling the social cognition on social media as a Marketplace of Opinions.

2.2 Next steps for Open City project

- (a) The current set of students working on the project are no longer continuing to work on the project. We need to identify new students to work on the Open City Project.