

Progress report

Center of Excellence in Big Data Engineering

January 2017

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. The progress is presented in this report. The set of tasks to be performed is also listed below.

1 Progress

1. Created first draft of the course with title *Big Data Engineering: Tools and Techniques*. The course is made up of 6 sections to be explored as follows:
 - (a) Acquisition and Preparation of Big Data
 - (b) Managing Large Tabular Data
 - (c) Managing Data Streams
 - (d) Managing Large Graphs
 - (e) Managing Large Text Corpora
 - (f) Infrastructure and Visualisation
2. Prof. Chandrashekar Ramanathan, Prof. Srinath Srinivasa, Prof. G.Srinivasanraghavan and Prof. Jaya Sreevalsan Nair from IIIT Bangalore have shown their interest in contributing to the above sections.
3. Anish Bhanushali, a Mtech. Student from IIIT Bangalore has joined as Project Associate from January 2017.

2 Tasks to be performed

1. Review of syllabus by faculty in IIIT Bangalore and City College and finalize by end of February 2017.
2. Collect material for the course in the form of slides, papers, videos and tutorials from various faculties in IIIT Bangalore by end of March 2017.
3. Send out invitation to tier 2 colleges inviting them to participate in the workshop by mid March 2017.
4. Big Data Engineering Workshop to be scheduled on 18th and 19th April 2017.
5. Prof. Raj Muttukrishnan and team from City College will be available on April 18 and 19th 2017 for the workshop.