CS6023 Project Weekly Report

Project Title: Biconnected components
For Week Ending: 1 Submitted On: 28/10/2018

Roll Number 1: CS18S019 Roll Number 2: CS18S032 TA: Somesh Singh

Work Done During the Week:

- Read and understood the research paper.
- Implemented sequential version and ran it on various graph datasets from SNAP.
- Sequential algorithm can not be directly converted to a parallel version, since it uses Depth First Search which is highly inefficient in parallel architecture.
- Identified components which need to be parallelized in the algorithm.
- Prepared a timeline of events for the implementation of the algorithm.

Successes (if any):

- Identified graph datasets for which sequential code fails which can be used to test in the parallel version of the algorithm.

Blockers (if any): None

Individual Contributions:

Student	Contribution
Diptanshu (CS18S019)	Read research paper. Explored other parallel and sequential versions.
Gaurav (CS18S032)	Read research paper. Implemented and tested sequential code on various graphs.

Meetings with Mentors (if any):

Date	Event
26/10/2018	Discussed the research paper and decided on the timeline of events.

Proposed Work for the Next Week:

- Implement BFS and verify its correctness and performance.