

**CSC 641 Network Science, Fall 2017**  
Instructor: Dr. Natarajan Meghanathan

**Term Project: Demo on a Network Visualization and Analysis Tool**

**Total Points:** 100% - Demo-in class: 60% Demo-desktop recorded video: 40%

**Due dates:** November 28, 2017 (in class presentation 6 to 7.20 PM)  
Desktop recorded Demo video (November 28, 6 PM)

**Project Outline:** In this project, you will have to select a network visualization and analysis tool (other than Gephi) and give a demo of its working in class as well as submit a desktop recorded demo video (that runs for at least 25 minutes) covering different features of the chosen tool and explanation for using those features with appropriate examples of real-world networks. Your tool could be applied for any field: Social Networks, Biology, Finance, Chemistry, etc.

**Tools:** A sample list of network visualization and analysis tools can be found at:  
<http://www.kdnuggets.com/2015/06/top-30-social-network-analysis-visualization-tools.html>

**Team:** The term project needs to be done by a team of 2 students. Both the students should present during the final presentation. One student can do the recording of the desktop video.

**Desktop Recorded Demo Video Submission:** The desktop recorded demo video has to be uploaded through JSU Google Drive and the link has to be emailed to the instructor (natarajan.meghanathan@jsums.edu) by November 28 - 6 PM. Late submission of the desktop-recorded demo video (beyond November 28, 6 PM: is a hard deadline) will not be accepted.

**Demo in class:** The demo is to be done in class on November 28, 2017. The schedule will be announced in the month of November. Both the members of a team are expected to participate and talk during the demo in class. The total demo time for a team is expected to be 20 minutes.

**Selection of the Tool and Instructor Notification:** Since it is a small class, I encourage you to discuss and finalize among yourselves and make sure that each team is working on a different visualization and analysis tool.

You will have to email me a network visualization and analysis tool that you will be working on by October 19, 2017 so that I can make sure that no two teams are working on the same tool.

You could email me your choice of the tool well ahead of October 19; the final assignment of the tools will be done on a first-come-first-serve basis (whoever emails me first for a tool gets the priority to work on the tool).