

Intern Requirement

No. of students required	1
Preferred Discipline	<ul style="list-style-type: none">• Computer Engineering/Computer Science
Prerequisites/ Skills Required	<ul style="list-style-type: none">• Basic Java Programming

Project Details

Title	Visualization Tool for Analyzing Large Communication Network Graphs
Overview/Background	Network graphs have been traditionally used as a way to analyze a set of communication data. However for large data sets, the structural complexity and sheer size of the network graph makes it challenging to pick up interesting patterns or structures in the network. Graph reduction techniques have been useful to simplify a large graph while retaining essential information about its core structure for analysis.
Objectives/Scope/ Deliverables	The primary aim of this project is to develop a visualization tool to analyze large network graphs. The intern would be introduced to graph reduction techniques and existing graph reduction software libraries. He/she would then be required to independently explore and develop the visualization tool and demonstrate its capability on sample datasets.
Project Duration	2-4 months