

## **AIMS<sup>2</sup> Research Project in Computer Science**

**Research Duration:** Summer 2018 (June – August 2018)

**Faculty:** Dr. Vahab Pournaghshband

**Email address:** vahab@csun.edu

**Contact No:** Office Location: JD4421 – Phone: ext6996

**Title of Project:** Analyzing and Verification of Live Network Measurements

### **Goals and Objectives of the Project, Expectations and Outcomes**

In 2016, we collected large amount of data from our experiments at CSUN. In this project, we will analyze the data collected, sanitize and identify outliers through automation scripts. Using simulations, we then verify the collected data by comparing to the model of the data created in the simulated, hence controlled, environment. The project involves implementation using OOP network simulation, scripting, automation. The goal of this project is to emphasize on object-oriented programming paradigm, critical thinking, software development, hands-on experience with network equipment, innovation, and small group collaborations. The required skills are programming in C++, Python, Latex and advanced Data Structure.