

# CSL838 Wireless Networks

## Project Proposal

Lovejeet Singh (2010CS50285) Shantanu Chaudhary (2010CS50295) Siddharth Batra (2010CS50297)

- Objective: To compare and analyse performance of different TCP versions during handoff in real mobile networks.
- Project Requirements: We require the following hardware/software entities.
  - Linux machine (Ubuntu 14.04): Acts as host to gather data
  - Mobile Device: To gather data during handoff.
  - Analytical Tools: To perform analysis of the data gathered.
- Project Timeline:
  - **6<sup>th</sup> February-14<sup>th</sup> February:**  
To understand implementation of different TCP variants on Ubuntu 14.04. We would also determine how to switch various variants in the kernel.
  - **15<sup>th</sup> February-15<sup>th</sup> March:**  
Development of android application that connects to the linux host machine.
  - **16<sup>th</sup> March-30<sup>th</sup> March:**  
Data gathering by using the android device on the field and exhibiting it to handoffs on the mobile carrier's network.
  - **1<sup>st</sup> April-10<sup>th</sup> April:**  
Performance comparison and data analysis.

**NOTE:** It is possible that we may start the implementation of the project earlier than mentioned. As a result, the above mentioned milestones might be achieved ahead of their scheduled time.