**CS621 Spring 2019 Progress Report 1**

**Team Name: HKN**

**Team Members:**

1. Hiep Bui

2. Pontakorn Pakavaleetorn

3. Kunal Sonar

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Milestones | Status | Team Members | Expected Completion Date | Actual Completion Date |
| Install ubuntu and ns-3 | Completed | All | 01/31/2019 | 01/31/2019 |
| Compression Link | | | | |
| Understand LZS algorithm | Finished | All | 02/11/2019 |  |
| [Learn how to make and use ns-3 application](https://www.nsnam.org/wiki/HOWTO_make_and_use_a_new_application) | Finished | All | 02/12/2019 |  |
| Know how to integrate ns-3 into c++ application |  |  |  |  |
| Detect is data is low/high entropy |  |  | 02/21/2019 |  |
| Compress data using selected compression algorithm |  |  | 02/21/2019 |  |
| Compression Detection Application | | | | |
| Implement client  (send data) |  |  | 02/21/2019 |  |
| Implement server  (receive data) |  |  | 02/21/2019 |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Simulation Verification and Application | | | | |
| Build a simulation contain 4 nodes (sender, receiver and 2 routers) |  |  | 02/26/2019 |  |
| Run 4 logically simulations, write down delta |  |  | 02/28/2019 |  |
| All code on Github Repository |  |  | 03/07/2019 |  |

**List your major challenges so far, if any.**