CS 616/516 ASSIGNMENT 2 : ONE Simulator
DEADLINE Tuesday(30/Aug/2018)
(Max Marks : 10)

Instructions :- Please follow the following instructions

1. Deadline of this assignment is 30/Aug/2018, 11:59 PM. Late submissions will be charged penalty.
2. Please create zip file of all the documents you want to submit and follow the naming convention as : CSL516_ENTRY_NUMBER_ASSG_NUMBER.
3. While submitting, submit your assignment on given moodle link only (no submissions through email will be accepted).
4. Except the deadline instructions will remain same for all the forecoming assignments.
   Note: Please put **CS 516/616** in your subject while emailing regarding this course, else your email may go missing.

Perform the following tasks on ONE simulator

Compare the results obtained for Delivery Probability, Average latency and Overhead ratio for all three tasks.

Task 1: [2 marks]

Compare SpraynWait (SnW) for different values of 'n' taken as 2, 4, 6, 8, 10. For comparison use plots, in this case 3 plots are required, one for delivery probability, one for latency and other one for overhead ratio. In single plot draw results for all values of 'n'.

Task 2: [3 marks]

Compare SnW with the best value obtained in Task 1 against Epidemic routing and Prophet routing. Again follow the direction given in Task 1 for comparison.

Task 3: [5 marks]

Design a new protocol named Z as follows: A node x will transmit packet to its neighbor node y if y has longer neighbor list than x or the destination of the message is in the neighbor list on node y. Compare the results obtained by algorithm Z against SnW (with best n obtained from task 1), Epidemic and Prophet routing protocols. Follow the instructions given in Task 1.