## Experiment no. 9

SEMESTER: V(2017-18) DATE OF DECLARATION:9/10/17

SUBJECT: CN DATE OF SUBMISSION:10/10/17

NAME OF THE STUDENT: Glady Thomas ROLL NO.:75

Aim	To install and configure NS2 in Linux environment.
Learning Objective	The student will perform step by step NS2 installation and configuration in Linux environment.
Learning Outcome	The student will install and configure NS2 in Linux environment.
Course Outcome	C304.5: Install and configure an open source tool NS2
Program	PO5: Create, select, and apply appropriate techniques, resources, and modern
Outcome engin	eering and IT tools, including prediction and modelling to complex engineering activities, with an understanding of the limitations.
Bloom's	Remember
Taxonomy Level	Understand
	Apply
Theory	Ns is a discrete event simulator targeted at networking research. Ns provides substantial support for simulation of TCP, routing, and multicast protocols over wired and wireless (local and satellite) networks.  Ns began as a variant of the REAL network simulator in 1989 and has evolved substantially over the past few years. In 1995 ns development was supported by DARPA through the VINT project at LBL, Xerox PARC, UCB, and USC/ISI. Currently ns development is support through DARPA with SAMAN and through NSF with CONSER, both in collaboration with other researchers including ACIRI. Ns has always included substantal contributions from other researchers, including wireless code from the UCB Daedelus and CMU Monarch projects and Sun Microsystems.
	You can build ns either from the the various packages (Tcl/Tk, otcl, etc.), or you can download an 'all-in-one' package.

	Steps for installation:  1. Remove network proxy with the password. 2. Type 10.0.3.254.3142 3. Copy Acquire::http { Proxy "http://10.0.3.254:3142"; }; 4. Go to terminal and type cd/etc/apt/apt.conf.d/ and enter 5. sudo vi 02proxy with the password. 6. Paste Acquire::http { Proxy "http://10.0.3.254:3142"; }; 7. Type sudo apt-get update 8. sudo apt-get install ns2
	Part II: Verifying
	which ns
	Steps for Configuration:
	1. Open new odt file.
	2. Write following script in that file
	#! /bin/env tclsh puts "Hello world!" exit 0
	3. Save this file in /home/file system/username as sample.tcl
	4. On command prompt go to /username
	5. type ns sample.tcl
Lab Activities	Perform the step-by-step installation.
	☐ Attach snapshot of the installation.



