Department of Information Technology

Academic Term: Jan-May 2021

Class : T.E IT Sem -VI
Subject : Sensor Network Lab (ITL604)

Practical No:	3
Title:	**Installation of Contiki Cooja**
Date of Performance:	
Date of Submission:	
Roll No:	**8669**
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Evaluation:

Sr. No	Rubric	Grade
1	**On time Completion & Submission (2)**	
2	**Summary (3)**	
3	**Analysis (3)**	
4	**Knowledge of the topic (2)**	
5	**Total (10)**	

Signature of the Teacher :

PRACTICAL - 3

Installation of Contiki Cooja

AIM: To install Contiki Cooja Simulator.

OBJECTIVE:
1. To install Contiki Cooja.
2. To study the basic concepts of programming/sensors/ emulator like cooja etc

DESCRIPTION:

Steps to install Contiki Cooja: Step 1: Download Contiki from:
http://downloads.sourceforge.net/project/contiki/Contiki/Contiki 2.7/contiki-2.7.zip
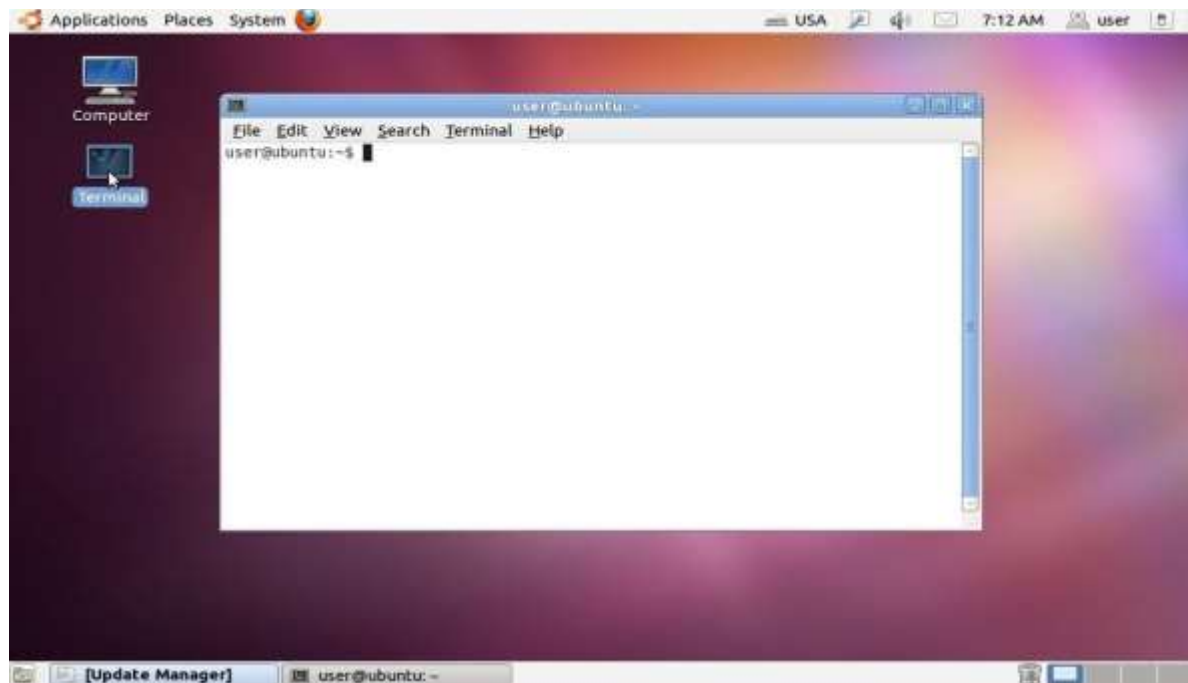
Step 2: Download and install VMWare Player.

Step 3: Unzip the file
        unzip contiki-2.7.zip

Step 4: Rename the file
        to Contikimv
        contiki-2.7
        contiki

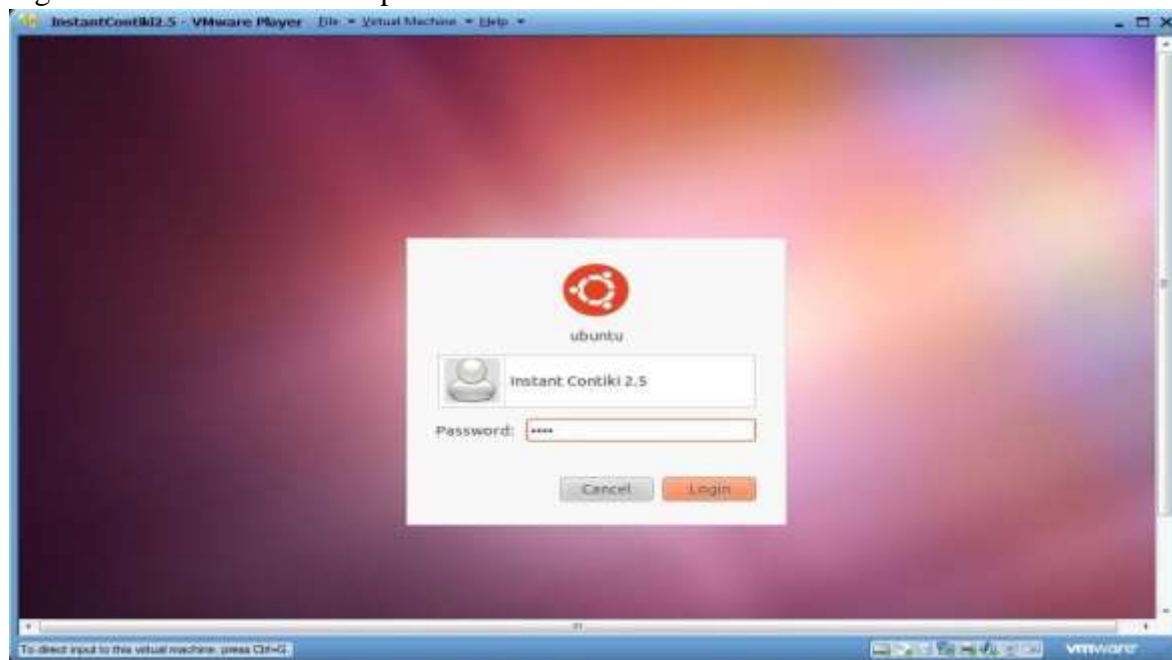**Step 5:** Start instant contiki
Boot Ubuntu (on VMWare player)
Start Instant Contiki by running InstantContiki2.7.vmx. Wait for the virtual Ubuntu Linux bootup.

Log in

Log into Instant Contiki. The password is **user**.

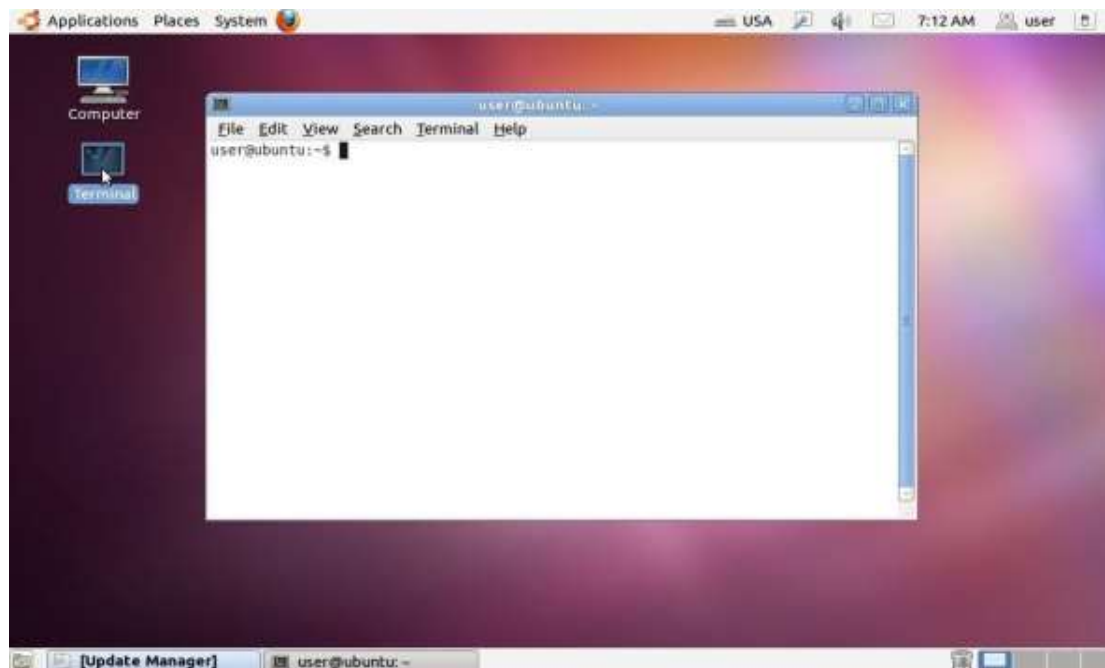Congratulations! Now that we have Instant Contiki up and running, we will start Cooja.

Step 6: Start Cooja

We will now compile and start Cooja, the Contiki network simulator.

Open a terminal window

To start Cooja, first open a terminal window.

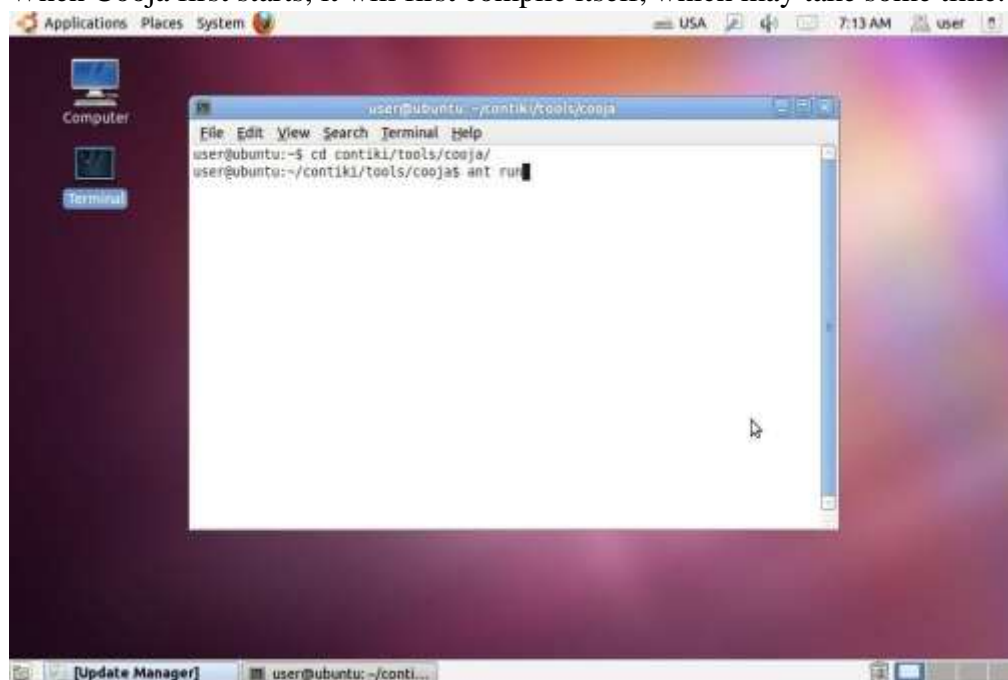### Start Cooja
In the terminal window, go to the Cooja directory:
cd contiki/tools/cooja Start Cooja
with thecommand:
ant run

Wait for Cooja to start
When Cooja first starts, it will first compile itself, which may take some time.

Sensor Network Lab (ITL604) Manual: Compiled by Prof. Monali Shetty

When Cooja is compiled, it will start with a blue empty window.

Now that Cooja is up and running, we can try it out with an example simulation.

CONCLUSION:

We successfully installed the Contiki Cooja and studied and enhanced software/ hardware skills.

POSTLAB ASSIGNMENT:

Attach screenshot of your installation