

# **CSE 3009**

# **DIGITAL ASSIGNMENT - II**

UNDER THE GUIDANCE OF

PROFESSOR ARUNKUMAR T

**Slot: F2+TF2** 

PRESENTED BY

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# **Contiki: Open Source OS for the Internet of Things**

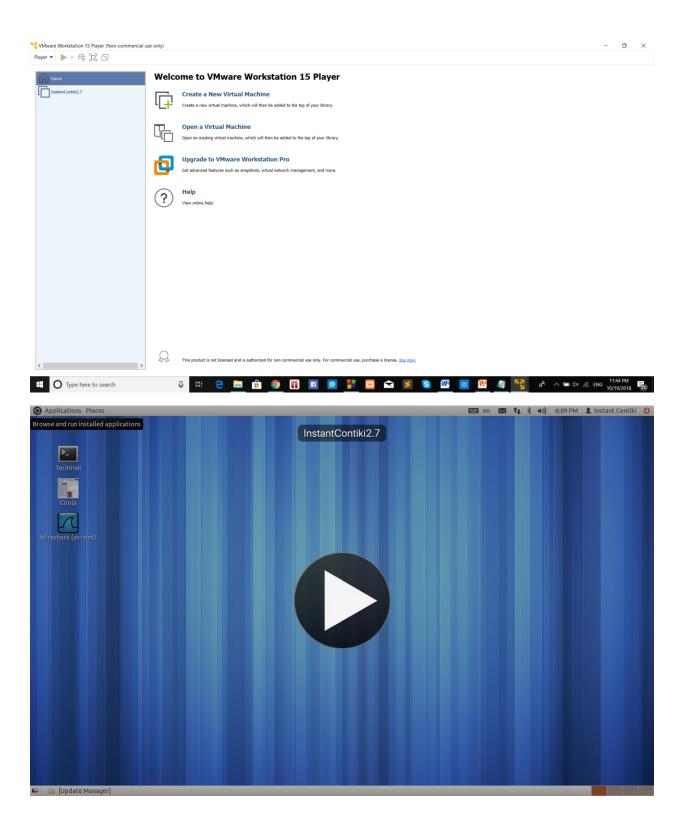
## Why choose Contiki?

- Contiki is an open source operating system for the Internet of Things.
- Contiki connects tiny low-cost, low-power microcontrollers to the Internet.
- Contiki is an open source operating system that runs on tiny low-power microcontrollers and makes it possible to develop applications that make efficient use of the hardware while providing standardized low-power wireless communication for a range of hardware platforms.
- Contiki is used in numerous commercial and non- commercial systems, such as city sound monitoring, street lights, networked electrical power meters, industrial monitoring, radiation monitoring, construction site monitoring, alarm systems, remote house monitoring, and so on.

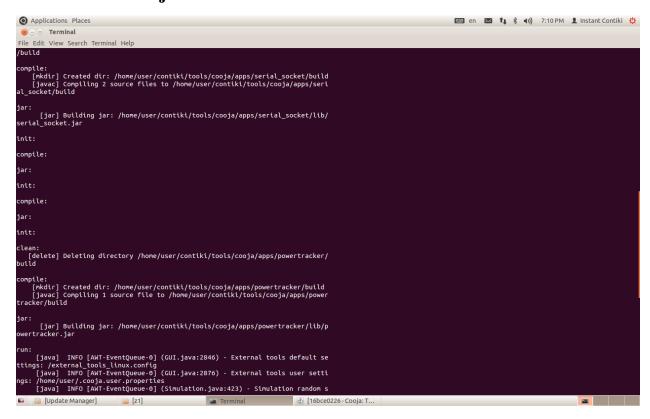
#### STEP:1

- Cooja makes Contiki easy to install and get started with it.
- Download Instant Contiki
- http://sourceforge.net/projects/contiki/files/Instant%20Contiki/
- Install VMWare Fusion for mac
- Register and reboot
- Start Instant Contiki
- Start Instant Contiki by running InstantContiki2.6.vmx. Wait for the virtual Ubuntu Linux boot up.
- Log into Instant Contiki.
- The password is user.

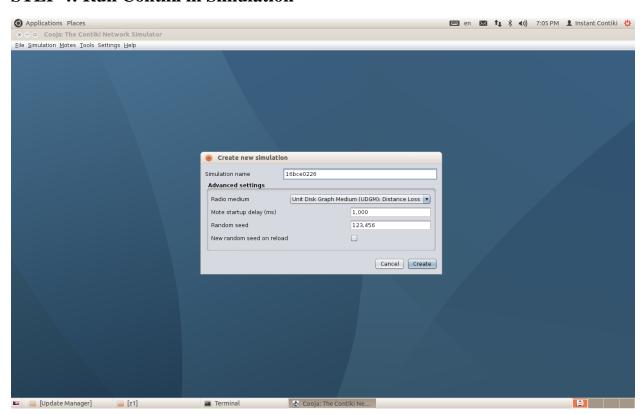
# STEP:2 Open VMware Workstation 15 Player (Windows)



# STEP:3 Start Cooja in terminal



### **STEP 4: Run Contiki in Simulation**



# **Simulation Window**

