**WOT LAB – 5**

**ECM1004**

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**TASK-1**

Hello World MOTE

#include "contiki.h"

#include <stdio.h> /\* For printf() \*/

PROCESS(hello\_world\_process, "Hello world process");

AUTOSTART\_PROCESSES(&hello\_world\_process);

PROCESS\_THREAD(hello\_world\_process, ev, data)

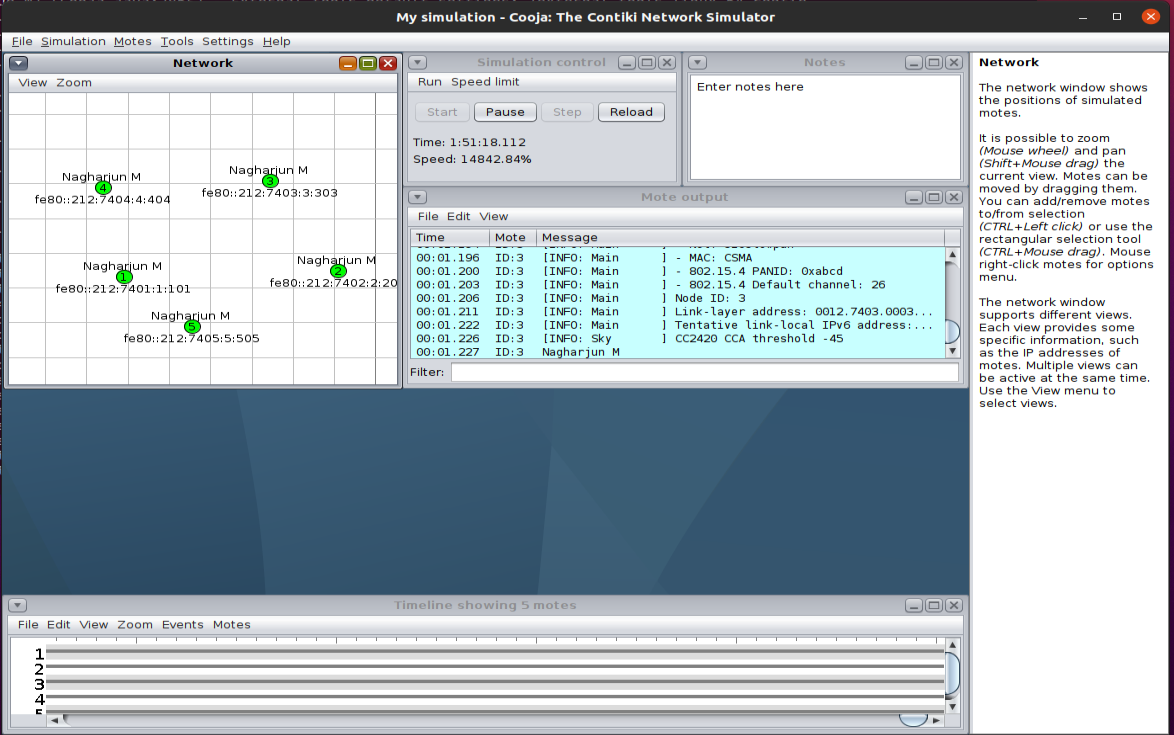
{

PROCESS\_BEGIN();

printf("Nagharjun M \n");

PROCESS\_END();

}



**TASK-2**

## Button LED

#include <stdio.h>

#include "contiki.h"

#include "dev/leds.h"

#include "dev/button-sensor.h"

PROCESS(button\_process, "Nagharjun M");

AUTOSTART\_PROCESSES(&button\_process);

static uint8\_t flag;

PROCESS\_THREAD(button\_process,ev,data)

{

PROCESS\_BEGIN();

flag = 0;

SENSORS\_ACTIVATE(button\_sensor);

while (1)

{

PROCESS\_WAIT\_EVENT\_UNTIL(ev == sensors\_event && data == &button\_sensor);

leds\_toggle(LEDS\_ALL);

if (!flag)

{

leds\_on(LEDS\_BLUE);printf("LED BLUE %d\n", leds\_get());

}

else

{

printf("LED BLUE %d\n", leds\_get());

leds\_off(LEDS\_BLUE);

}

flag ^= 1;

leds\_toggle(LEDS\_ALL);

}

PROCESS\_END();

}

