**ESE-3014 Lab 5**

**Interfacing communication – UART**

# **Task**

1. Test your UART on BBB by loopback TXD and RXD as our slides.

2. Set up and achieve UART interfacing communication between BBB and Arduino. Do you need a logic level converter?

3. You can write a program to control the on-board LED of Arduino input and response the feedback as output; your BBB should control your Arduino on-board LED, and change its flashing frequency.

4. Please record each step in your lab report, and I will mark your report based on your step. So you do not have to worry if you cannot achieve the final output.

Useful Links:

<https://v37e00e.blogspot.com/2015/12/beaglebone-black-bbb-uart2-loopback-test.html>

<https://www.instructables.com/How-to-make-a-BeagleBone-and-an-Arduino-communicat/>