

Supply Bot (SB)

Read Me

In this task you will be testing the hardware received by you.

Along with this “Read Me” file, in the task folder you will find “Testing Hardware” file, along with three folders, kindly complete all the subtasks mentioned below in the order listed.

- “[AVRDude](#)” folder, here you will find tools required for flashing your “.hex” file.
- “[Test file](#)” folder, here you will find “*SB-Hardware-Testing.hex*” file which needs to be flashed on Arduino Uno for testing you hardware.
- “[Post-Testing](#)” folder, here you find the below files:
 1. [Software Installation](#)
 - In this file you will find instructions to install Atmel Studio IDE and XCTU
 2. [Preparing Power Distribution Board](#)
 - In this file you will find instructions to prepare a power distribution board for Motor and Arduino Uno as both operate at different levels.
 3. [Assembling the Hardware for Testing](#)
 - In this file you will find instructions to connect the hardware for testing.
 4. [NEX AVR USB ISP STK500V2](#)
 - In this file you will find instructions to flash a hex file generated from the IDE.
 5. [Configuring and Testing XBee Modules with XBee Module](#)
 - In this file you will find instructions to establish communication between two XBee modules.
 6. [Setting project AtmelStudio6](#)
 - In this file you will find instructions on how to create a project and code in Atmel Studio IDE
- [Testing Hardware](#) file

This is the last and most important file, you will find instructions to test the hardware based on the connection done in “3”

For Submission Instructions please refer “[Testing Hardware](#)” file

Best of Luck!