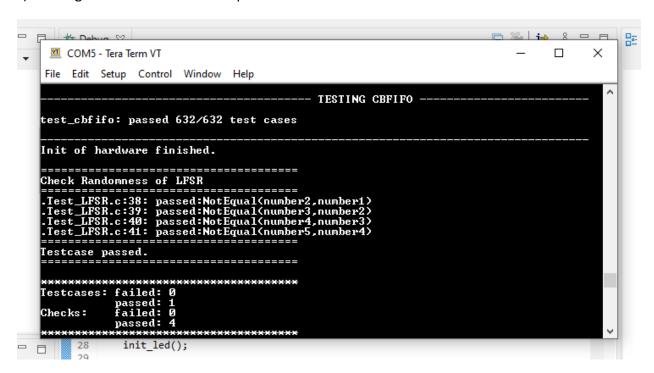
TEST REPORT

Automated Tests

uCUnit framework was used to perform automated testing of project. Automated tests were used to test implementation of Linear feedback Shift Register method (LFSR) and generated random password(OTP).

Following are the screenshots for these tests –

1) Testing randomness of LFSR implementation



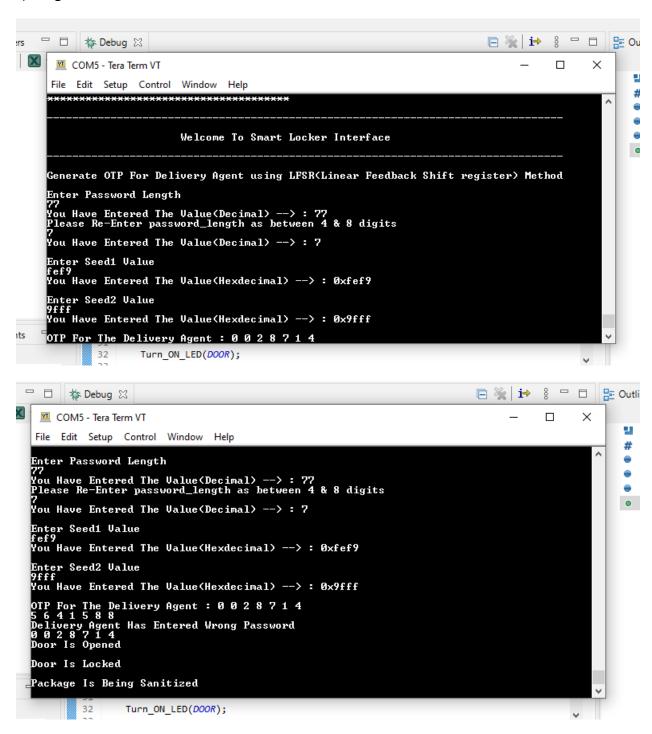
2) Testing range of generated password

```
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  COM5 - Tera Term VT
                                                                                                                                                     ×
 File Edit Setup Control Window Help
Checks:
                      failed:
                     passed: 4
      Check Range of Generated Password
Test_Password_Generation.c:37: passed:IsInRange(number1,0,65536)
Test_Password_Generation.c:38: passed:IsInRange(number2,0,65536)
Test_Password_Generation.c:39: passed:IsInRange(number3,0,65536)
Test_Password_Generation.c:40: passed:IsInRange(number4,0,65536)
Test_Password_Generation.c:41: passed:IsInRange(number5,0,65536)
Testcase passed.
Testcases: failed: 0
passed: 1
Checks: failed: 0
                      passed: 5
                       init led();
```

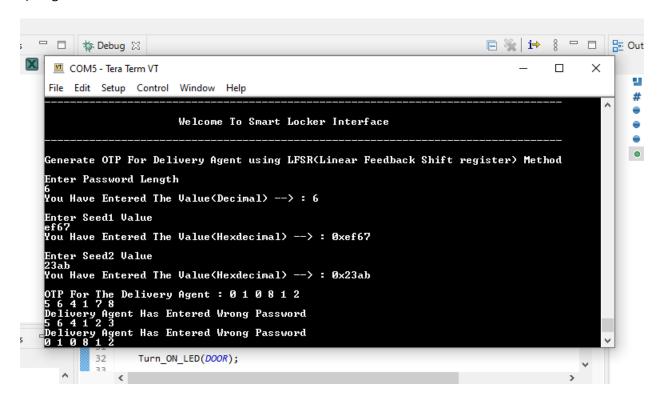
Manual Tests

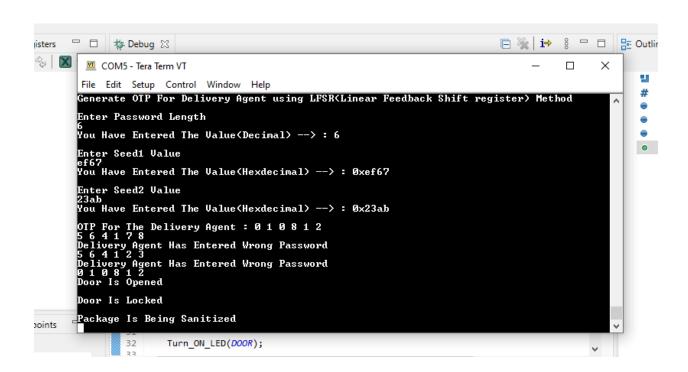
Manual test in the project consisted of physically testing sensors and other hardware in the project. In addition to the test shown in the demonstration video following are screenshots for various inputs to the system.

1) 7 digit Password



2)6 digit Password





3)5 digit Password

