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<b>Course/Section:</b> IT-007/IT32S2	<b>Instructor:</b> Engr. Jerry E. Borromeo

#### A. Materials

- 4 meters UTP Cable
- 6 pcs RJ 45
- Cable Tester
- Crimping Tool



## B. Observation

In this activity, we used our materials to create 2 LAN cables which are the Straight Through and Crossover. Within this activity, we have refreshed our knowledge on how to create these two types of cables and what are their differences in terms of their applications. We used two 2 meters' worth of UTP cable, RJ45s, a crimping tool, and a cable tester to validate if the cables we have created could be used. We also observed that when there's any pin that is not blinking in Connector A, its corresponding pin partner in Connector B will not also blink. As for that, we know that there's an improper connection in performing the task.

This activity would serve us the basic skills on setting up a network. During the activity we thought that it would be easy since most of us have taken ICT classes before and the stock knowledge of setting up these cables are helpful. We think that the cables that we have made will be of use for our future activities.

## C. Conclusion

We finally succeeded in building LAN cables and implementing structured cabling after several failures. Once the light in the cable tester was good this is our indication that LAN cable is correct. We have tested the cable through the cable tester, completed the Straight Through and Crossover Cable, and developed an outstanding sequence.

### **Straight Through Checking:**

[https://drive.google.com/drive/folders/1DcOY95tjGVcUNb1\\_5V8KMqJplnC5ZUOt?usp=sharing](https://drive.google.com/drive/folders/1DcOY95tjGVcUNb1_5V8KMqJplnC5ZUOt?usp=sharing)

### **Cross Over Checking:**

[https://drive.google.com/drive/folders/1DcOY95tjGVcUNb1\\_5V8KMqJplnC5ZUOt?usp=sharing](https://drive.google.com/drive/folders/1DcOY95tjGVcUNb1_5V8KMqJplnC5ZUOt?usp=sharing)

***“We affirm that we have not given or received any unauthorized help on this assignment, and that this work is our own.”***