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**DESIGN AND DEVELOPMENT OF TWISTED
PAIR CABLE TESTER**

Undergraduate Design Project
Submitted to the Faculty of the
College of Engineering and Information Technology
Cavite State University
Indang, Cavite

In Partial fulfillment
of the requirement for the degree of
Bachelor of Science in Electronics and Communication Engineering



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The design and development of twisted pair cable tester was constructed at Indang, Cavite. The general objective of the study was to design and develop a twisted pair cable tester for the Computer and Electronics Laboratory of College of Engineering and Information in Cavite State University. This study was conducted to provide a cable tester for the laboratory to be used by the students.

The cable tester composed of transmitter and receiver. When the cable being tested placed at the transmitter and receiver, the source of power from the transmitter will transmit power to the cable being tested to the receiver. The receiver will indicate if the cable being tested was damaged or in good condition. The receivers also indicate the type of the cable being tested.

The cables continuity were first tested by the proponents. As shown on Table 1. Results and evaluation as showed.

Testing the continuity of different types of cable shows that it is 100% accurate as indicated by the correct LED order for straight through, crossover and rollover are types of cables.

Coaxial Cable

Straight Through

Cross Over

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