

**DEVELOPMENT OF AN AUTOMATIC REWINDING MACHINE FOR MOTOR AND  
TRANSFORMER COIL WINDINGS**

Undergraduate Thesis  
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College of Engineering and Information Technology  
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## ABSTRACT

**AFABLE, LINO E. and MATEL, LOYD VINCENT M. Development of an Automatic Rewinding Machine for Motor and Transformer Coil Windings.** Undergraduate thesis. Bachelor of Industrial Technology, Major in Electrical Technology. Cavite State University, Indang, Cavite. March 2014. Adviser: Mr. Leonardo A. Estero.

The study is a development of an automatic rewinding machine for motor and transformer coil windings. The study was designed for the benefits of Bachelor of Industrial Technology (BIT) students of the Department of Industrial Engineering and Technology (DIET) conducting this motor and transformer rewinding activity. It aimed to develop the skills of the students in the process of rewinding. The study was designed to enhance the manual counting of coils and also to improve the process of rewinding.

The automatic rewinding machine is a machine that can rewind coils of transformer and motor. This machine has digital counter device that can count the number of turns being set and it automatically stops as the turns being set is achieved. The Magnetic Contactor serves as stopper device of Digital Counter and Reversible AC Motor that stop if winding process is finished.

Finally, the designed demonstrated an innovation of rewinding process. It handles rewinding process easier than manually counting of coils and also manual winding process. The study met all the objectives and confirmed that this study was successful.