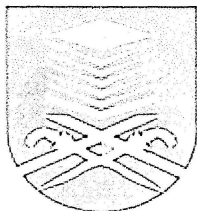


# **MATLAB MODELLING OF SIMPLE PROPULSION SYSTEM**

This project thesis is presented in partial fulfillment for the award of the  
Bachelor of Electrical Engineering (Honours)  
UNIVERSITI TEKNOLOGI MARA



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## **ABSTRACT**

This paper presents the dynamic characteristic of electric propulsion systems and explains why these developments are economically and operationally desirable. It describes the application of electric motors and their converters into a ship's propulsion system and discusses the characteristics and attributes of each system's operation and control. Using the capability of Matlab/Simulink software, the dynamic characteristics of the induction machine will be analyzed. A Simulink model enables various operating characteristics of the propulsion system to be determined and analyzed particularly its dynamic characteristics during the starting period of the system. The main objective of this project is to study dynamic characteristic of Induction motor propulsion system.

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