SHORT TERM LOAD FORECASTING USING FUZZY LOGIC IN UITM SHAH ALAM

This thesis is presented in partial fulfillment for the award of the
Bachelor of Engineering (Hons.) Electrical
FACULTY OF ELECTRICAL ENGINEERING
UNIVERSITI TEKNOLOGI MARA
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ACKNOWLEDGEMENT

Alhamdulillah, this project by far is the most significance achievement in my life and it would be impossible without people who supported me and believed in me.

I would like to extend my gratitude and my sincere thanks to my honorable, esteemed supervisor Hj. Ir. Harizan Bin Che Mat Haris. He is not only a great academician with deep vision but also most importantly a kind person. I sincerely thank for his exemplary guidance and encouragement. His trust and support inspired me in the most important moments of making right decisions and I am glad to have worked with him.

I would like to thank all my friends and especially my classmates, for all the thoughtful and mind stimulating discussions we had, which prompted me to think beyond the obvious. I've enjoyed their companionship so much during my stay at UiTM Shah Alam.

Last but not least I would like to thank my parents, who taught me the value of hardwork by their own example. They gave me enormous support during the whole of my education in UiTM Shah Alam

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ABSTRACT

This paper explains the load forecasting using fuzzy logic method. The data of the load demand and temperature in this thesis are obtained from the Unit of Facilities in UiTM Shah Alam. Load forecasting is very important to the operation of Electricity companies such as Tenaga Nasional Berhad (TNB). From the load forecasting analysis and study, we can increase the energy efficiency and also the reliable operation of power system. By forecasting the load demand data, it will be an important component in planning generation schedules in a power system. In this paper, we focus on fuzzy logic based short term load forecasting. The purposed technique for implementing fuzzy logic based forecasting is by identification of the specific day and by using maximum and minimum temperature for that day and finally listing the maximum temperature and peak load for that day.