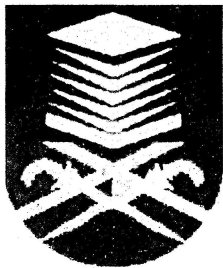


**SHORT TERM LOAD FORECASTING USING FUZZY LOGIC IN UITM
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ABSTRACT

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.