

Faculty:	FACULTY OF ENGINEERING		
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UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SCHOOL OF ELECTRICAL ENGINEERING
FACULTY OF ENGINEERING

SKEE3742 ADVANCED POWER LABORATORY

PROBLEM PACK Voltage Variation and Control in Distribution System

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Problem:

A power utility received complaints from an electronic based factory about voltage variation problem which caused equipment malfunction. The factory is connected directly to power system distribution line. You as a utility engineer have been assigned by your superior to investigate the problem and propose solutions. Justify your findings and solutions by experiment.

Triggers:

1. Review the relationship between load power and voltage
2. Find out available methods for voltage control in distribution network.