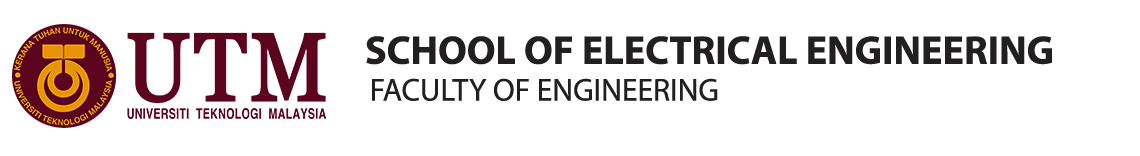
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| Faculty: FACULTY OF ENGINEERING | | |
| Subject : Specialized 3rd Year Laboratory  Subject Code : SKEE 3742 | Review  Release Date  Last Amendment | : 4  : 2 Feb 2020  : 1 Feb 2015 |



SKEE3742

ADVANCED POWER LABORATORY

**PROBLEM**

**Open circuited Distribution System**

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| --- | --- | --- | --- |
| Prepared by: |  | Approved by: | Programme Director |
| Name: | Prof. Ir Dr. Mohd Wazir bin Mustafa  PM Ir. Dr Pauzi bin Abdullah  Dr. Ahmad Safawi bin Mokhtar  Dr. Dalila binti Mat Said  Dr. Jasrul Jamani bin Jamian  Dr. Madihah binti Md Rasid  Dr. Mohd Fadli bin Rahmat  Dr. Mohd Hafiz bin Habibuddin  Dr. Norzanah Bt Rosmin  Dr. Rasyidah binti Mohamad Idris  Dr. Siti Maherah binti Hussin  Ir. Dr. Syed Norazizul bin Syed Nasir | Name: | Dr. Jasrul Jamani b Jamian |
| Signature & Stamp: |  | Signature & Stamp: |  |
| Date: |  | Date: |  |

**Problem:**

Your distribution company is supplying customers with 3 phase four wire supply. In an occasion, a contractor accidentally disconnects one of the wires in the distribution system. Due to his action, your distribution company receives many reports of damages to household electrical appliances. You as the distribution engineer are responsible to investigate what is really happening. Justify your findings with an experiment.

**Triggers:**

1. Study three phase systems.
2. Understand balanced and unbalanced loads.
3. Simulate the distribution system using suitable software and justify your answer with experimental results.