


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



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**SCHOOL OF ELECTRICAL ENGINEERING**  
FACULTY OF ENGINEERING

**SKEE3742**  
**ADVANCED POWER LABORATORY**  
**PROBLEM PACK**  
**Conflicting Protection System Operation**

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## **Problem:**

An internship student was given a task to coordinate downstream and upstream protection of a distribution feeder. When checked, it was found that the current is high, the downstream protection tripped before the upstream protection. However, when the current is low, the upstream protection tripped before the downstream protection. As a supervising engineer, you are required to identify the problem, and brief the student how the correct setting should be done.

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