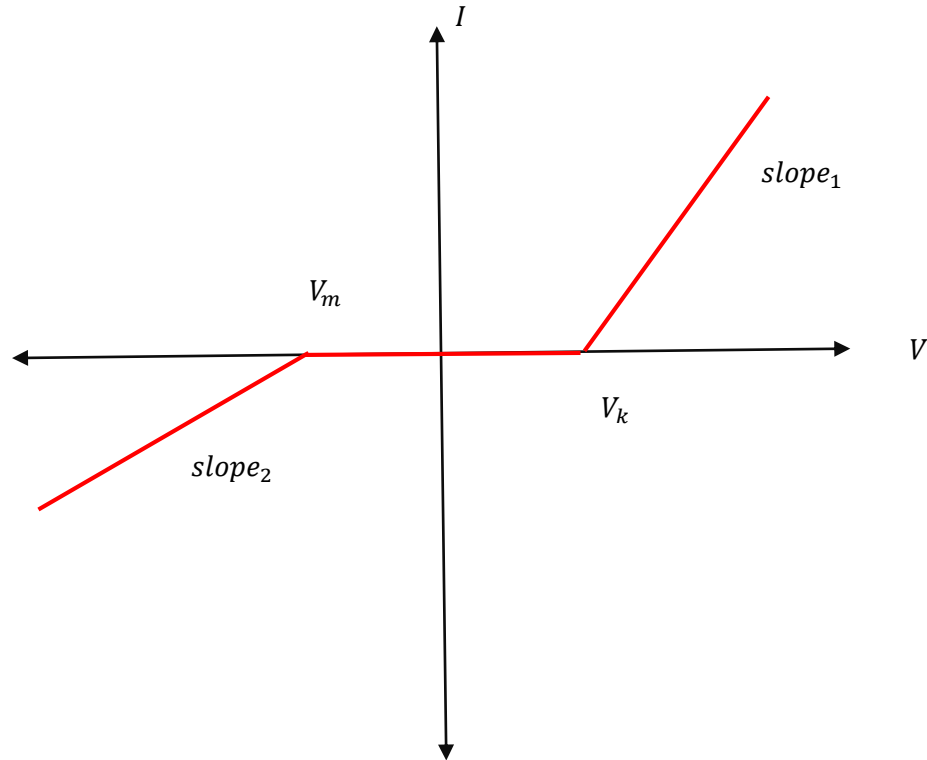22.11.2019

MECE 233 – Electrical Circuit Analysis + Lab
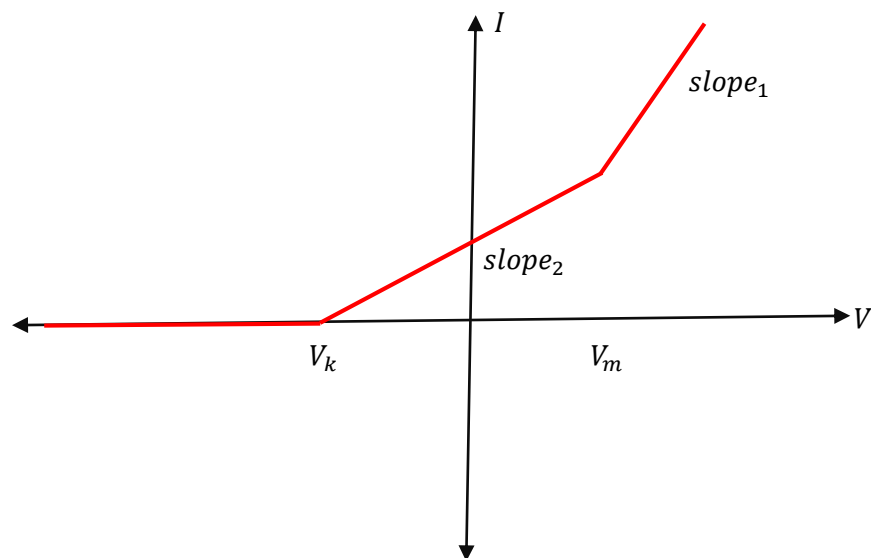
Term Project

1. With using any number of diodes, resistors and batteries construct a circuit that has the I-V characteristic shown in below.

$slope_1 \geq 2 * slope_2$, and $V_m < -1\,V$, $V_k > 2\,V$

2. With using any number of diodes, resistors and batteries construct a circuit that has the I-V characteristic shown in below.

$slope_1 \geq 2 * slope_2$, and $V_m < -1\,V$, $V_k > 2\,V$

22.11.2019

Note 1 : Students should choose one of these design.

Note 2 : Each group should consist of at least 2 or at most 4 students.

Note 3 : Hard-copy of the 'Project Report' should submit to lab assistant until 10.01.2020.

Project Report should consists of :

I.   Report Cover (Course Name, Student Name/Number)
II.   Introduction
III.   Analysis of the Design Circuit (Mathematical Analysis, Circuit Diagrams, I-V Curve)
IV.   Results