

Sample E-Mail

Date: November 1, 2007
From: Jane Smith [jane.smith@utah.edu]
To: Dr. Neil Cotter [necotter@ece.utah.edu]
Re: ECE 3940 Proposal – Impedance Circuits Tutorial

Dr. Cotter:

As you requested, here is my proposal for the Video Technical Tutorial assignment in ECE 3940. Our team plans to explain the node-voltage method for computing phasors in impedance circuits. Our team consists of myself, John Wilson, Joseph Martinez, and Don Sherman.

First, we will introduce the general concept of impedance for R, L, and C circuit elements. We will then discuss Ohm's Law and Kirchoff's Laws, using phasors and impedances. We will then demonstrate how to perform a node-voltage analysis to determine the potential difference between the nodes in any given current. Finally, we will discuss general methods of doing algebra with complex quantities. In addition to the video presentation, we will also create a written manual, which will provide greater detail.

We hope this proposal meets with your approval. Please contact me if you have any further questions.

Jane Smith