

## Faculty of Engineering & Technology

## **Electrical Circuits 1**

Information :					
Course Code : EED201	Level	: Undergrad	luate Cours	<b>e Hours :</b> 4.00- H	Hours
Department : Communication and Computer Engineering					
Description :					
Basic electrical quantities, Ohmo Law, Kirchhoffo Laws, Resistance and source combinations, Voltage and current division, Ë Áransformation. Techniques of solving DC electric circuits: nodal and mesh analysis, source transformation. Circuit theorems: superposition, Thevenin, Norton and Maximum power transfer. AC sinusoidal sources,					
Time domain and phasor representation, Inductance and capacitance: Voltage and current relationships, Impedance and admittance, Voltages and currents phasor diagrams,					
	C electric circuits: Nodal a is: superposition, Thevenin				