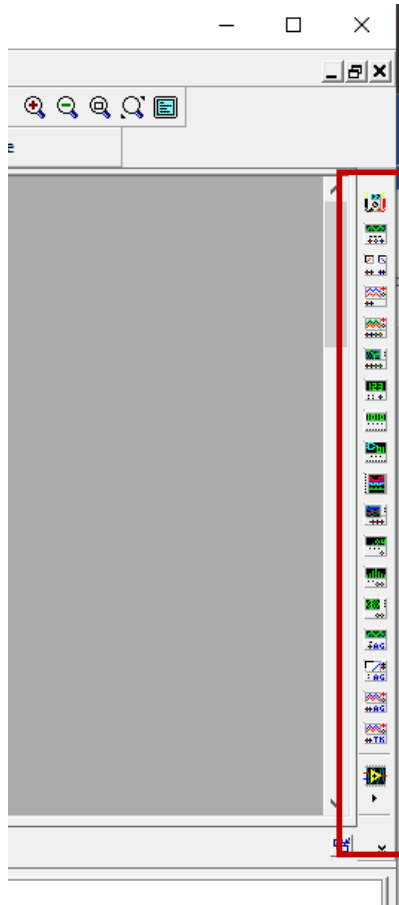
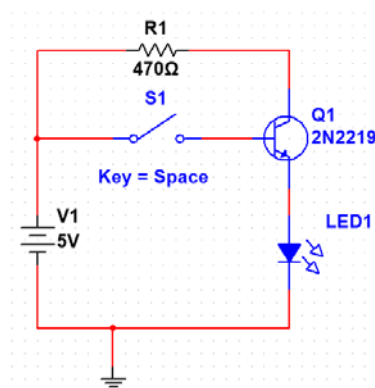


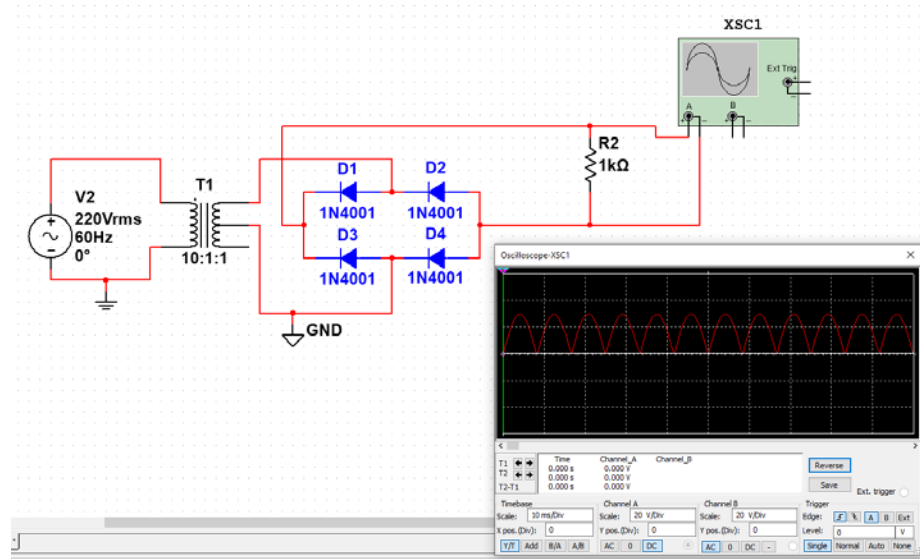
- Explore different instruments on the instrument toolbar located at the right side of the window. Capture and List some of the instruments present on the software.



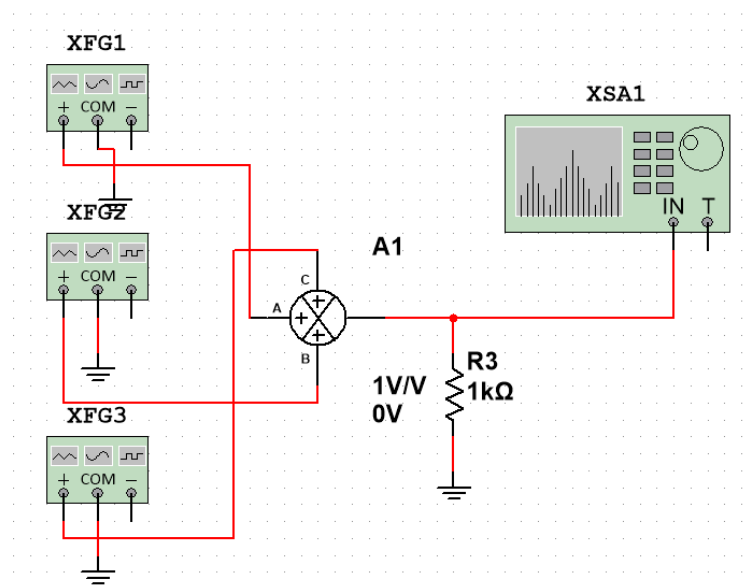
- Create the circuit diagram below and measure the voltage across R1 and current flowing at Q1 (collector terminal). Simulate when switch is close and open.



- Create the circuit diagram below and using the oscilloscope measure the V_{peak} of R2.



6. Place three Function Generators with 5kHz, 10kHz, 15kHz and connect to a Voltage summer inputs A, B, C and a resistor at the output. Using Spectrum Analyzer capture the output plot and identify the frequencies present on the plot.



7. Place a Function Generator with 100Hz Frequency, voltage peak value of 5, Sine Wave. Add resistors in series with the function generator $R_i = 50 \text{ ohms}$ and $R_L = 1 \text{ k ohms}$.
 - a. Calculate the Period (T).

- b. Using Oscilloscope show the Period Measured



Discussions:
