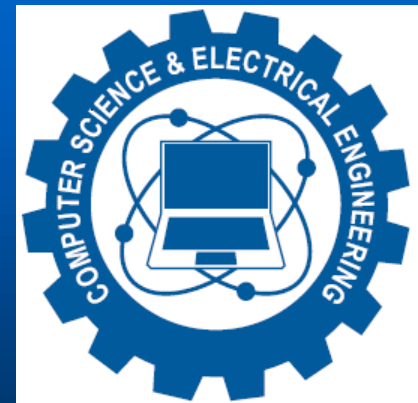


# *Function Generator*



# *What is a Function Generator*

- electronic test equipment used to generate different types of electrical waveforms over a wide range of frequencies.
- common waveforms produced by the function generator are the sine, square, triangular and sawtooth shapes.
- waveforms can be either repetitive or single-shot.
- Sometimes called “signal generator”

# Controls



# *Control Descriptions*

- Power button: turns the device on/off
- Frequency Vernier adjust knob: big knob used for fine adjustment.
- Frequency Multiplier switches: multiplies the frequency by various ranges (coarse adjustment).
- Waveform Select switches: selects which waveform the device will produce.
- Output Attenuation switches: divides the output voltage amplitude by factors of 10, 20 and 40 when very small voltages are needed.

# *Control Descriptions*

- Amplitude adjust knob: adjusts the output voltage amplitude.
- Output port (50Ω): the output connection to external circuits.