

- Waveform Digitizer is a dual channel <sup>analog signal</sup> digitizer that allows ~~up to~~ sampling of up to 10 Million Samples/Sec.

It allows viewing and capturing of slow signals

It allows viewing and capturing one-time events

Allows hard copying of display by using the plot function

It gives its user memory capacity of  $2000 \times 8 \text{ bits}^{\text{samples}} / \text{sample (in channel)}$  ~~channel~~

To ~~the~~ achieve the objective of the project, there was a serial port circuitry added to the waveform digitizer. The circuitry shows the UART receiving data (8 bits) from the parallel port in digitizer and put data out through serial port, ~~works~~ with a baud rate of 9600.