The aim of designing and developing the IIEE USB data acquisition system was to provide a user friendly platform for engineering students and teacher to design and perform lab experiments related to instrumentation and control application. The accompanied software module provides facility for data-acquisition, processing and data logging. The USB Data Acquisition Card (USB DAQ) is connected to a personal computer (PC) through a normal USB cable. The circuit is built on a compact printed circuit board (PCB) and it requires no external power supply.

**IIEE USB DAQ Card Specifications**

- 8 analog inputs (12-bit, 10 kS/s)
- 2 analog outputs (12-bit, 5 kS/s);
- 8 digital Inputs; 8 digital outputs;
- Bus-powered for high mobility; built-in signal connectivity.
- USB HID Plug n Play interface, All windows platforms compatible.
- Compatible with LabVIEW, Microsoft Visual studio and NI Measurement Studio for Visual Studio .NET

**IIEE Virtual Laboratory (Associated Software)**

Following software-modules are available for different applications.

- Quad Channel Storage Oscilloscope
- Digital Waveform Generator
- Digital Logic Analyzer
- PID Control Lab
- On/Off Control Lab
- Convolution Applet
- Digital Signal Processing Lab
- Digital Controller Lab

*Please contact Principal IIEE (addresses given below) for placing order on special price for engineering educational institutions.*