

## TABLE OF CONTENTS

- **Experiment # 1:** Study and Identification of Various Sensors
- **Experiment # 2:** Verify Ohm's Law and Balanced Bridge Circuit
- **Experiment # 3:** Wheatstone Bridge Circuit and Measurement of Resistance using Wheatstone Bridge equipment
- **Experiment # 4:** Material Behavior
- **Experiment # 5:** Thermocouple Voltage Measurement
- **Experiment # 6:** Strain Gauge Application and Measurement of Unknown Load
- **Experiment #7:** Strain Gauge Measurement using Strain Indicator
- **Experiment # 8:** Strain Gauge Measurement by Applying Displacement using Strain Indicator
- **Experiment # 9:** Linear Variable Differential Transformer Measurements
- Experiment # 10: X-Y Recorder
- **Experiment # 11:** Event Counting using Slotted Opto Switch
- Experiment # 12: PC-Based Data Logging