Pop Up Class – LabView Basics

1. **Class Overview**
   - **Description**
     This class will help you explore the LabVIEW environment, dataflow programming, and common LabVIEW architectures.
   - **Prerequisites**
     Experience writing algorithms in the form of flowcharts or block diagrams
   - **Anticipated Class Size** – 20 max
   - **Class Duration** – 1 ½ hours
   - **Material Needed**
     - LabVIEW Professional Development System
     - NI Data Acquisition device

2. **Safety**

3. **Educational Objectives**
   - Students will be able to:
     - Navigating LabVIEW
     - Troubleshooting and Debugging VIs
     - Implementing a VI
     - Developing Modular Applications
     - Creating and Leveraging Structures
     - etc.

4. **Class Format**
   - **Pre-Class activity**
     - Review basic programming techniques
   - **In-Class activity**
     i. Presentation
     ii. Hands-on exercise
     iii. Q&A

5. **Evaluation**
   - Students fill out an evaluation on the content, learning objectives, and instructor.