

# Plc mobile station integrated with Vision system

## Sheridan College

### Professor Involved:

Dr. Andy Alubaidy

Sarmad Sadik

Christopher Mathews

### Students Involved:

Student Name: Anuj Vaghela (ME) - 991499322

Student Name: Harpreet Singh (D&D) - 991497735

Student Name: Vaibhav Patel (EM) – 991497254

Student Name: Harman Jot Singh Wadzatia (EM) - 991495800



## Project Background and Description

*In this modern era, students are confined to just theoretical knowledge. Whereas they tend to learn anything quickly through the visuals and hands-on involvement rather than understanding it theoretically. As a result of which our team decided to create a project of developing a PLC station integrated with vision system and sensors. The project would not just have an industrial application but more importantly it will be designed and fabricated for a student's learning perspective.*

## Project Scope

*a project like this stands an excellent chance to improvise upon the quality of education imparted in some of the technical courses which teaches about automation and manufacturing. If used well then with minor changes a better design could be built upon on this prototype and this machine could be present in every university and college of Canada.*

## Deliverables

- Deliverable 1: Plc trainer for learning
- Deliverable 2: Inspection of parts using Vision system
- Deliverable 3: Quality control

# Sheridan

Faculty of Applied Science  
and Technology