

Part 1 Internship Company Research

Learning Objective: At the end of the activity, the students will have researched their internship company and have recorded how they have evolved in technical applications over the course of their business's existence.

Directions: Using either online resources or interviewing a knowledgeable individual at the internship, complete the prompts below and insert your responses in the spaces provided.

Identify the following about the internship company
1. What is the name of the organization/ business?
Parsec Automation Corp.
2. What year was the business launched?
1987
3. What is their line of business (What products or services do they offer?)?
Software Company - Software for Manufacturing Quality & Analysis Automation
4. Describe how they use technology in their products or services.
They utilize their software along with various sensors to take quality measurements. They use a database and a web app to consolidate those measurements and turn them into useful statistics. They use frameworks like .NET to give their product both and front and backend.
Research and write about the evolution of technology and how it is used in the industry
1. Give examples of how the business operated prior to the current technologies.
That's somewhat of a hard question to answer since they really only became the company they are by making the technology. Before software like TrakSYS became available, manufacturing companies had to record their data by hand. Products would be inspected, and if they were damaged or had defects, they would either be discarded or repaired, which was time-consuming. However, factories began using a process called statistical process control (SPC) that moved inspections from the end of the production line to throughout. By recording statistics about quality at certain intervals, overall quality can be calculated and predicted. TrakSYS is software that automates the measuring, monitoring, and analyzing processes and digitalizes them.