

A379_2017AbstractTimothyD

Abstract

This thesis is to show the process, results, and industry and academic purpose of the Instrumentation Standardization Project (ISP) performed by a team of interns during the summer of 2016 at OrthoWorx, in collaboration with Zimmer Biomet, DePuy Synthes, and Paragon Medical. The ISP's focus was to provide savings to orthopedic companies through innovative and sustainable standardization of instruments that would allow the orthopedic industry to continue to advance and grow within Warsaw, IN. The results of the ISP showed that standardization of instruments was not only feasible, but beneficial as well, with an estimated 25 percent time-savings and 12 percent cost savings in manufacturing.

As a note to the reader, the three areas I led are discussed in detail (with the original project report as the appendix) to give the reader a fuller understanding of the project and my personal involvement. This was done to meet the academic requirements of Ball State University HONR 499.

Honors College
Ball State University
Muncie, IN 47306