A summary of a confidential thesis

This bachelor thesis researches and analyzes differences in factory manufacturing times between estimated and actual factory floor times. This thesis collects time data from the factory and analyzes the differences to help minimize the gap between predicated and actual factory manufacturing time to improve production time planning. The process of analysis includes graphical analysis, where discovered time differences are illustrated with charts that help to visualize time differences and provide a better understanding of the researched data. During the analysis, when time differences resulted to be negative, meaning there were time losses due to production processes taking a longer time to execute, possible causes and solution were provided to reduce these time losses and hopefully help to conduct these production process more efficiently and effectively. Most causes were illustrated in a cause-and-effect diagram, that showed how the causes lead to production time losses. The solutions to the production time losses were illustrated in a cause-and-solution matrix, that represented how does each solution impact every cause on a scale from 0-5. Overall, most time differences that were found were negative and total monthly time losses were registered in days.