



ABSTRACT

Every company's strategic goal is to achieve a hundred percent of productivity through optimizing time and eliminating wastages. In relation to the specific matter presented, PaintPlas Corporation is experiencing production loss even after establishing a big name for itself, in terms of customer satisfaction and quality of outputs. Through the methods used by the proponents in the line of research and observation, the problem was found rooted on delays due to inefficient methods used by the company and layout factors. The process being too much exposed on manual actions, which could possibly be eliminated and improved through automation, had contributed the highest percentage or the majority of the encountered loss. Though this is true, there are also layout factors like backtracking due to inefficient workflow that makes it timelier. Due to these facts, the proponent has focused on making a study on eliminating the 14.09% average production loss in the production of 12x13 millimeter Reels, which data is gathered from the past six months of work. And as an answer, the proponent has prepared detailed alternative courses of action – possibilities of automation and rearrangement to eliminate the loss in the end of the study.