

## 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, Allegro Microsystems Philippines Incorporated 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 researchers in the line of research and observation, the problem was found rooted on delays due to inefficient methods used by the company and machine factors. The process in assembly had been one is to one in man and machine, which could possibly eliminated and improved through adding additional task, had contributed the highest percentage or the majority of the encountered loss. Though this is true, there are also machine factor like malfunction of the machine that makes it backtracking to inefficient workflow that makes it timelier, also the lack of workers in process, which adds in production loss. Due to these facts, the researcher has focused on making a study on eliminating the 19.31% average production loss in the production of Hall Sensors in Assembly Area, which data is gathered from the past six months of work. And as an answer, the researcher has prepared detailed alternative courses of action – possibilities adding and improving the machines and also the productivity of the works in assembly production to eliminate the loss in the end of the study.

