

## **An Advanced Method of Minimizing Unforeseen Disruptions within a Manufacturing System: A Case Study of Amico, South Africa**

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**Abstract :** Manufacturing industries are faced with different types of problems. One of the most important role of controlling and monitoring a production process is to actually determine how to deal with unforeseen disruption when they arise. A majority of manufacturing tern to spend huge amount of money in order to meet up with their customers requirements and demand but due to instabilities within the manufacturing process, this objectives and goals are difficult to be achieved. In this research, we have developed a feedback control system that can minimize instability within the manufacturing system in order to boost the system output and productivity.

**Keywords :** disruption, scheduling, manufacturing, instability

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