

**PRODUCTION PLANNING TOOL**  
**FOR**  
**TEXTILE MANUFACTURING INDUSTRY**

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Faculty of Information Technology

University of Moratuwa

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## **Declaration**

I declare that this thesis is my own work and has not been submitted in any form for another Masters, Degree or diploma at any university or other institution of tertiary education. Information derived from the published or unpublished work of others has been acknowledged in the text and a list of references is given.

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## **Abstract**

Apparel Industry is one of the most significant contributors to the Sri Lankan economy. The industry has recorded substantial growth levels over the past four decades and approximately 40 percent of the total exports hold in apparel sector.

Proper production planning and controlling is a crucial factor in Textile Manufacturing Industry. It ensures the availability of resources such as equipment, materials to meet production goals for a business. Production planning also provides a detailed plan on how a company will reach its production goals and how long it will take to achieve it.

The proposed Production Planning Tool will help to maximize profits and make sure the customer needs are being met. Eliminating wasted time by improving process flow, reducing inventory costs, optimizing equipment usage, using employees' time to the fullest advantage and improving the delivery time of products and services will be key advantages of the proposed Planning Tool.

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