

BS-IE
Final Year Project

IMPLEMENTATION OF KANBAN IN MITCLELLS INDUSTRY



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Preface

Needless to say, I made a lot of mistakes, some of them showed my disobedience too, but with every mistake I learnt some lessons and tried to inculcate them. My project included the study of the production process Assembly, then in order to increase the rate of production, suggesting some Kaizens. Kai-zen is a Japanese word that means "Development for Good". During my project period, I gained valuable learning of TPS (Toyota Production System) of which aims at increasing the production, by implementation of kanban. During my project I tried learnt about the organizational structure, its working, the manufacturing system, & the importance of team work. I thank everyone at the **Mitchell's Fruit Farms Ltd**, for their kind help and support during my stay there.

ACKNOWLEDGEMENT

Alhamdulillah Thanks to Allah SWT, whom with His willing giving me the opportunity to complete this Final Year Project which is title implementation of kanban. This final year project report was prepared for School of science and technology from the University of Management and technology, basically for student in final year to complete the undergraduate program that leads to the degree of Bachelor of BS (industrial Engineering). This report is based on the methods given by the university Firstly, I would like to express my deepest thanks to, Mr. Mohsin Raza and also assign, as my supervisor who had guided be a lot of task during two semester's session 2013/2014. I also want to thanks the lecturers and staffs of ITIS department for their cooperation during We complete the final year project that had given valuable information, suggestions and guidance in the compilation and preparation this final year project report. Deepest thanks and appreciation to our parents, family, special mate of mine, and others for their cooperation, encouragement, constructive suggestion and full of support for the report completion, from the beginning till the end. Also thanks to all of our friends and everyone, that has been contributed by supporting my work and helps myself during the final year project progress till it is fully completed. Last but not least, my thanks to School of science and technology.

Implementation of kanban (On Mitchell's Fruit Farms Ltd)

This kanban implementation project is submitted to the Institute of Science and Technology, University of Management and Technology, Pakistan as a requirement for the partial fulfillment of the B.S Industrial Engineering

Approved by

Project Supervisor

Mr. Mohsin Raza

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Abstract

The aim of the project is to design and implement a system in which is foolproof and provide the smooth production as well as decrease costs and eliminating of bottlenecks and a functional prototype for visualizing and operating a multi-platform virtual "Kanban Taskboard". Kanban (see References) is an agile methodology for visualizing, managing and optimizing the flow of production a given application and for distributing the associated work among the development team. Kanban methodology should be used by the team itself for the Kanban Taskboard development. The project should focus on interfaces and algorithms (not on technologies).