*. .. HER TECHNICAL (STATUTE MECHANICAL ENGINEERING DEPARTMENT

DIPLOMA DIECI

PRODUCTIVITY IMPROVEMENTS IN CYPRUS INDUSTRY

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PRODUCTIVITY IMPROVEMENTS IN CYPRUS INDUSTRY

by

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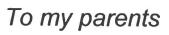


TABLE OF CONTENTS

Acknowledgments		I		
Objectives		II		
Terms and conditions		II		
Summary		III		
Chapter 1				
1.0	Introduction		1	
1.1	Introduction to productivity		1	
1.2	Air conditioning systems		2	
Chapter 2				
2.0	Factors leading to low productivity		4	
2.1	The profile of the firm		4	
2.2	Design and specifications		6	
2.3	Space		7	
2.4	Inventory		9	
2.5	Labour		11	
2.6	Capital		12	
Chapter 3				
3.0	How to increase the rate of production		13	
3.1	Types of production		13	
3.2	Model TR360H		16	
3.3	Critical Path Analysis (C.P.A.)		17	
3.4	Assembly line		27	
3.5	Bottleneck		33	
3.6	Bill - of - Materials (BOM)		35	
3.7	Material Requirement Planning (MRP)		38	

Cha	pter 4			
4.0	Production Economics	42		
4.1	Costs in manufacturing	42		
4.2	Cost of equipment usage	44		
4.3	Break - even analysis	46		
4.4	Unit cost of production	50		
4.5	Value added	53		
Chapter 5				
5.0	Other General Solutions	55		
5.1	Plant layout	55		
5.2	Just - in - Time (JIT) Production	59		
5.3	Personnel policy	60		
5.4	Education and Training	61		
Chapter 6				
6.0	Conclusions	63		
References				

Appendices

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Nicos Hadjinicolaou 3rd year Mechanical

OBJECTIVES

- 1.To carry out a study of the productivity in a specific area in a manufacturing industry.
- 2.To recommend suitable productivity improvements.
- 3. Comment on the results.

TERMS AND CONDITIONS

- 1. The study should be carried out in a real Industrial situation.
- 2. The student has to spend at least three weeks at the place of study.

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SUMMARY

PRODUCTIVITY IMPROVEMENT IN CYPRUS INDUSTRY

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The main objective of this project was to study the productivity improvement in a Cyprus Industry.

An introduction to basic productivity terms was made at the beginning, as well and some information about air conditioning systems.

Then, major factors contributing to low productivity were analyzed in depth. These are, Design and Specifications, Space, Inventory, Labour and Capital.

Furthermore, solutions to the above problems was attempted to be given through a certain model.

At first, management techniques were applied to increase the rate of production. By applying C.P.A. it has been achieved a small increase of production with no additional costs. Then a dramatic increase to the rate of production was achieved by creating an assembly line, for the model under study, and by investing a low level capital for new equipment.

Then B.O.M. and M.R.P. were applied to the model in order to have better inventory control.

Production Economics have been used in order to estimate the cost of new equipment usage, as well as to estimate the production output required to cover the investment.

In addition, management techniques were applied to give solutions concerning problems such as space and labour. JIT was proposed as an alternative solution for inventory control.

Finally, in the conclusions a description of the work done and its usage was made.