

P R O J E C T R E P O R T

DEVELOPMENT OF AN ELECTRONIC CHRISTMAS
DISPLAY SYSTEM

Submitted by:

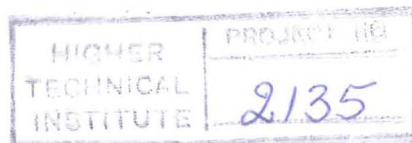
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H.T.I.



PREFACE .

This project report has the purpose to make its' future reader familiar with Programmable Logic Controllers (PLCs) and present the programme application of the Christmas Display system schemed .The report is divided in the following chapters :

Chapter 1 is an introduction to the project objectives set by HTI and Nicosia Municipality .

Chapter 2 deals with the introduction to Programmable Controllers and their characteristics .

Chapter 3 is concerned with the most important instructions used in the application programme .

Chapter 4 is the introduction to the application programme and its' explanation .

Chapter 5 deals with the costing of the proposed application .

Chapter 6 is concerned with the comparison of PLCs with the other conventional methods of control (Relay , Digital , Computer) .

Chapter 7 is the conclusion of the project report .

Then there are three Appendices as follows :

Appendix A provides information for the Instruction Set of the SLC-500 Programmable Controller (from Part A of the User's Manual) .

Appendix B provides information for the Programming of

the SLC-500 PC through the Hand Held Terminal (from Part B of the User's Manual).

Appendix C contains the Bibliography used for the writing of this project report .

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A1	- Overview of Part A.
A2	- The Ladder Diagram.
A3	- Memory Organization and Addressing.
A5	- Relay Logic (Bit) Instructions.
A6	- Timer and Control Instructions .
A10	- Move and Logical Instructions.
A12	- Bit Shift Instructions.
A13	- Sequencer Instructions.

APPENDIX B: PROGRAMMING OF THE MOST IMPORTANT
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B16 - Programming of a Timer.

B18 - Programming a Shift Register.

B19 - Programming a Sequencer.

APPENDIX C: BIBLIOGRAPHY.