HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DEVELOPMENT OF AN 8088 MICROCONTROLLER

By

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MICROCONTROLLER 8088

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<u>INTRODUCTION</u>

In order to study and be experiment with the microprocessors, I chose to be involved with the microprocessor 8088 in order to construct a microcontroller, because this is the most widely used family of 16-bit microprocessors in modern microcomputer - based products.

Here in this project the microprocessor consists the heart or the brain of the microcontroller, in which the other devices (clock generator, buffers, ROM, RAM, DECODERS, input/output port) help the microcontroller to operate.

For a specific application we need the proper software in order to configure eat I/O port with the proper interface unit.

This project is dealing with the design, construction and software.