

**HIGHER TECHNICAL INSTITUTE**  
**ELECTRICAL ENGINEERING DEPARTMENT**

**DIPLOMA PROJECT**

**DEVELOPMENT OF AN 8088 MICROCONTROLLER**

*By*

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# **MICROCONTROLLER 8088**

**Project report submitted by**

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# ACKNOWLEDGMENTS

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## INTRODUCTION

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### INTRODUCTION

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 ~~an~~ I/O port with the proper interface unit.

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