Experiment No-1

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1.1 Objective

To Study 8085 based Microprocessor system

1.2 Apparatus Required

VMC-8501 trainer kit

1.3 Theory

System Introduction

VMC-8501 is a single board MICROPROCESSOR TRAINING KIT configured around the most widely used Microprocessor 8085. It can be used to train engineers to design the control of any industrial process and to develop software for 8080 and 8085 based systems

The VMC-8501 communicates with the outside world through a keyboard having 28 keys and 6 seven-segment hexadecimal displays.

SYSTEM SPECIFICATION

CPU	-	8085 is a 8-bit Microprocessor it means it has 8 data lines
Pins	-	40 pin IC package
Memory locations	-	Total on board 64K = 65,536 memory hence 16 Address lines are required to access the memory.
RAM	-	8K/32K bytes and space for further
expansion ROM	-	8K bytes of EPROM loaded with powerful
program Timer	-	16-bit programmable timer/counter using
8253 I/O	-	24 I/O lines using 8255
KEYBOARD	-	10 keys for command 16 keys for hexadecimal data entry 1 key for vector interrupt & 1 key
for reset LED display	-	6 seven-segment display

Mc9238 Microprocessor Lab Manual

J Ma

Mc9238 Microprocessor Lab Manual:

Mc9238 Microprocessor Lab Manual Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Mc9238 Microprocessor Lab Manual**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we shall delve in to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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