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LAB MANUAL (V SEM ECE) Page 6 EXPERIMENT NO .1 (B) AIM : STUDY OF 8086 MICROPROCESSOR KIT. APPARATUS: 8086 microprocessor kit. . THEORY :The 8086 is a 16-bit, N-channel, HMOS microprocessor. The term HMOS is used for high-speed MOS". The 8086 uses 20 address lines and 16 data lines.

MICROPROCESSOR AND INTERFACING - Dronacharya

Department of Computer Science & Engineering LAB MANUAL
MICROPROCESSOR - HARDWARE PART (8086) Sub Code:
15CSL48 4 th Semester CSE Prepared by: Shankar. R Asst.
Professor, CSE BMSIT&M Reviewed By: Dr. G Thippeswamy
Professor & Head, CSE BMSIT&M

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Department of Computer Science & Engineering LAB MANUAL

Dept. Of ECE, GCEM A. INTRODUCTION TO 8086

MICROPROCESSOR 8086 Internal Block diagram 8086 is a 16-bit processor having 16-bit data bus and 20-bit address bus. The block diagram of 8086 is as shown. (Refer figures 1A & 1B). This can be subdivided into two parts; the Bus Interface Unit (BIU) and Execution Unit (EU). Bus Interface Unit:

MICROPROCESSOR LABORATORY (10ECL68)

16 BIT DIVISION USING ARITHMETIC OPERATION OF 8086

MICROPROCESSOR AIM: To write an assembly language program to perform division of two 16 bit numbers using 8086.

APPARATUS REQUIRED: S.NO ITEM SPECIFICATION QUANTITY 1.

MICROPROCESSOR KIT 8086 KIT 1 2. POWER SUPPLY + 5 V DC 1

3. KEY BOARD - 1 ALGORITHM: 16-bit division

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EC6513-Microprocessor-Microcontroller-Lab-1 2013 regulation.

Microprocessors & Interfacing Devices Laboratory Department of Electronics & Communication Engineering 1.3. DIVISION OF TWO 16-BIT DATA AIM: To multiply two 16-bit data (Multibyte division) using 8086 microprocessor. APPARATUS: 1. 8086 Trainer kit 2. Key board 3. SMPS PROGRAM CODE: MOV AX,[0300] MOV BX,[0302] DIV BX INT A5 RESULT:

MICROPROCESSORS & INTERFACING DEVICES

to gain experience in microprocessor-based system design, assembly language programming, and I/O interfacing to microprocessors. Course Outcomes: After completing this course, the student will be able to: 1. Apply the fundamentals of assembly level programming of microprocessors. 2. Build a program on a microprocessor using instruction set of 8086.

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Microprocessors and Microcontrollers lab Dept of ECE

MP LAB (EC-515-F) DEPARTMENT OF ELECTRONICS & COMPUTER ENGINEERING DRONACHARA COLLEGE OF ENGINEERING, GURGAON 3 EXPERIMENT NO. 1(A) AIM : STUDY OF 8085-MICROPROCESSOR KIT. APPARATUS: 8085 microprocessor kit. . THEORY : Intel 8085 is an 8-bit microprocessor. It is 40-pin IC package fabricated on a single LSI chip. It uses a single +5 V supply.

LAB MANUAL MICROPROCESSOR AND INTERFACING (EC-515-F) V ...

EC6513 - MICROPROCESSOR AND MICROCONTROLLER LABORATORY Lecture No./Session No. Name of the Experiment Course objectives Proposed date 1,2,3 Introduction to lab CO1 CYCLE I - 8086 PROGRAMS USING KITS AND MASM 4,5,6 Basic arithmetic and Logical operations CO2 COURSE OBJECTIVES COURSE OUTCOMES

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ...

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Microprocessors And Microcontrollers Lab Manual

Dept. of CSE, GCEM Page 6 Semester- 4 Execution of Instructions in 8086: The microprocessor sends OUT a 20-bit physical address to the memory and fetches the first instruction of a program from the memory.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING ...

Maximum Mode 8086 System • Here, either a numeric coprocessor of the type 8087 or another processor is interfaced with 8086. • The Memory, Address Bus, Data Buses are shared resources between the two processors. • The control signals for Maximum mode of operation are generated by the Bus Controller chip 8788.

8086 MICROPROCESSOR - E-STUDY

This entry was posted in Lab manual, viva and tagged 8086, 8086 lab manual, 8086 lab programs, KLEIT on March 24, 2011

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Microprocessor 8086 Lab programs | VTU materials

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INTEL Keywords: Intel 8086 8088 8089 microprocessor Created

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Intel 8086 Family User's Manual October 1979 - edX

Microprocessors and Microcontrollers lab Dept of ECE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

III year B.Tech. ECE- II SEM L T/P/D C 0 -/3/- 2

(A60494)MICROPROCESSORS AND MICROCONTROLLERS LAB List

of Experiments The following programs/experiments are written

for assembler and execute the same with 8086 and 8051 kits 1.

Programs for 16 bit arithmetic operations for 8086 (using various

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...

MPMC Lab - Microprocessors and Microcontrollers lab Dept ...

THE 8086 MICROPROCESSOR Introduction to 8086 -
Microprocessor architecture - Addressing modes - Instruction set
and assembler directives - Assembly language programming -
Modular Programming - Linking and Relocation - Stacks -
Procedures - Macros - Interrupts and interrupt service routines -
Byte and String Manipulation

EC8691 MM Notes, MICROPROCESSORS AND MICROCONTROLLERS ...

8086 Microprocessor Lab Manual Vtu 8086 Microprocessor Lab
Manual Vtu ASSEMBLING AND EXECUTING THE PROGRAM Writing
an ALP Assembly level programs generally abbreviated as ALP
are written in text editor EDIT. Type EDIT in front of the

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command prompt to open an untitled text file. ASSEMBLING AND EXECUTING THE PROGRAM Page 4/22

8086 Microprocessor Lab Manual Vtu - chateiland.nl

8086, 80286, 80386 & 80486 Microprocessor Monica Solanki
Assistant Professor EC Dept Advanced Microprocessor 8086
Microprocessor • It is a 16-bit microprocessor.

Advance Processor_8086,80286,80386 & 80486 - Advanced ...

The design implements a 32-bit instruction set, with 32-bit registers and a 32-bit internal data bus. The address bus is 24-bits and does not use memory segmentation, which made it popular with programmers. Internally, it uses a 16-bit data ALU and two additional 16-bit ALUs used mostly for addresses, and has a 16-bit external data bus. For this reason, Motorola referred to it as a 16/32-bit ...

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