

Thadomal Shahani Engineering College

Computer Engineering Department

Assignment List

Subject: MP

Year: 2024-2025

Semester: IV

Class: C1, C2, C3

Assignment 1

1. Explain the Initialization Command Words(ICWs) and Operational Command Words(OCWs) of the 8259 PIC.
2. Interface DMA controller 8257 with 8086 MP. Explain different data transfer modes of 8257 DMAC.

Assignment 2

1. Explain the Branch Prediction Mechanism of Pentium Processor.
2. Explain MESI protocol.

Assignment 3

1. Draw and explain Pentium-4 Net burst micro architecture.

Assignment 4

1. Design 8086 based system for the following specifications:
 - i) MP 8086 working at 10MHz minimum mode.
 - ii) 64KB ROM using 16KB devices.
 - ii) 32KB RAM using 16KB device.