

# **Thadomal Shahani Engineering College**

## **Computer Engineering Department**

### **Assignment List**

Subject: MP

Year: 2022-2023

Semester: IV

Class: C1, C2, C3

- 1 Write a short note on assembler directives, macros and procedures.
- 2
  - i. Discuss operating modes of 8259.
  - ii. Explain interfacing of 8259 with 8086, in cascading mode
  - iii. Explain operating modes of DMAC8257
- 3 i. Write a short note on Hyperthreading technology in Pentium 4
- 4
  - i. Explain the cache organization of Pentium processor.
  - ii. Draw and explain MESI transitions in data cache of Pentium processor

Subject In-charge

Dr. Gauri Shukla