MICROPROCESSORS AND INTERFACING

UNIT I

System design using microprocessor – What is a microprocessor – Introduction to Intel class of microprocessors – 8085, 8086, 8051 (micro controller).

UNIT II

Intel 8085 microprocessor hardware architecture – Instruction set and programming.

UNIT III

Intel 8086 microprocessor hardware architecture – Instruction set and programming.

UNIT IV

Microprocessor Peripheral interfacing.

UNIT V

System design using 8085 and Intel 8086 microprocessors – Case studies.

TEXT BOOK:

1. **Krishna Kant,** Microprocessors and Micro controllers – Architecture, Programming and System design, Prentice-Hall of India, 2007, ISBN 978-81-203-3191-4. **[Unit-1 (**Chapters - 1, 2) ; **Unit-2 (**Chapters – 3, 4) ; **Unit-3 (**Chapters – 5, 6) ; **Unit-4 (**Chapters – 7); **Unit-5 (**Chapters –8)].