FIRST ALLIED COURST II - DIGITAL ELECTRONICS

UNIT-I

Introduction to Digital electronics – Number system – Logic gates – Combining logic gates

UNIT-II

Integrated circuits - Simple interfacing – Encoders, Decoders, Seven segment displays.

UNIT-III

Flip flops- Counters – Shift registers.

UNIT-IV

Arithmetic circuits – Memories.

UNIT-V

Digital systems – Connecting with analog devices.

Text book:

1. **Tokheim Roger L**., Digital electronics – Principles and applications, Tata-McGrawHill publishing company limited, 2004 (ISBN 0-07-058790-6) **[Unit-1 (**Chapters - 1, 2, 3, 4) ; **Unit-2 (**Chapters – 5, 6) ; **Unit-3 (**Chapters – 7, 8, 9) ; **Unit-4 (**Chapters – 10, 11); **Unit-5 (**Chapters – 12, 13)]