

Computer Architecture and Systems Software

Code: **BCA201**

CONTACTS: 3L + 1T

**CREDITS: 4**

Microprocessors (8085 features), bus structure, Data representation, Register transfer and micro-operations, Central processing unit, Pipeline and vector processing.

Computer arithmetic, Input-output organisation, Memory organisation, CPU architecture, instruction format, addressing mode, stacks and handling of interrupts.

Basic computer organisation and design, programming the computer with assembly language (same basic applications), Micro-programmed control.