

Project-5

Computer Organization learning System

Implement a class called CO which will make one learn Computer organization learn, easily by implementing following modules: -

- 1) Number System Modules (Binary to decimal Conversion, Decimal to binary, hexadecimal, octal etc.)
 - a) Enter a number in any system and convert into other system and vice-versa.
 - b) Display total number of zero and 1 involved into entire system.
- 2) Combinatorial and sequential circuit learning module either by displaying docx file which is already stored or by displaying in string format.
{Input and Output format (Enter a string for any gate (for example xor), now display truth table in string format.)}
(2 tasks for every group member here)
 - a) Gates--- truth Table
 - b) Flip Flop –truth table
 - c) Adders
 - d) Multiplexer
 - e) Decoders.
 - f) Counters
 - g) Expression for minimization and maximization (SOP and POS).
- 3) 8085 or 8086 working by its different modules in string
 - a) Buses
 - b) Registers
 - c) Interrupts.