

8051 Advanced Course

Conducted by Satyabrata Das

Duration: 24 hours

MCS-51 Advanced Programming

Table Look-up Interrupt handling, Floating point Arithmetic operations, Bit-processor, etc.

Interfacing Peripheral Devices

Keyboard, Display, ADC, DAC, Stepper Motor Interface

Adding external RAM and ROM

Industrial Applications

Hardware and Software for Peak Detector of Sinusoidal Wave form, Zero-crossing Detector, Speed monitoring unit, Frequency counters, Relay drives, Temperature Control System, etc.

Communication Techniques

Protocols and Handshaking concepts

Serial Communication(RS232C etc.)

Parallel Communication (Centronics etc.)

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