



Micro-controllers [Programming & Applications]

INTRODUCTION:

Micro-controllers play a significant role in today's Industrial sector in automation of activities. It is used in wide range of products, especially in hand held instruments and process automation. So it is essential to have a wide exposure and understanding of the Microcontrollers to use and handle these Microcontroller systems. This course is designed to aim at more hands on experience for developing application-oriented software.

TARGET GROUP:

Participants can be from any of the fields like Design, Manufacturing, Quality Assurance, and Testing, Servicing etc., who are using Micro-controllers and who are planning to use Microcontrollers with the basic knowledge on Microprocessors.

DURATION: 4 Full working days Timings: 1000 Hrs. to 1700 Hrs.

COURSE CONTENTS:

- Introduction to 8051 Microcontroller.
- Memory organization, I/O controls configurations.
- Interrupts Handling.
- Interfacing to external devices and Interactive programming tips.
- Introduction to Assemblers
- Hardware design considerations.

FACULTY:

The faculties / trainers for this course are well qualified and experienced Scientists from STQC and have domain specific expertise.



METHODOLOGY

- Course delivery: STQC courses are normally delivered in English. However, depending upon the need the courses are also delivered in Hindi or regional languages as desired. The STQC-courses are class room type and conducted at STQC Centres.
- Course Material: The delegates will receive a course book prepared by STQC during the commencement of course. In addition, for hands on practice set of tools and kits will also be demonstrated / provided as appropriate / applicable.

BENEFITS

Upon qualification of this course, participants will be able to perform more professionally.

FURTHER INFORMATION

For venue and dates of open advertised courses, please visit STQC website and contact course coordinator STQC Directorate, New Delhi.

Onsite and /or tailor made courses can also be offered on specific request.