

Short Term Courses – NIELIT Delhi Centre

Embedded System using 8051 and ARM With Project

Objective of the Course:

This short term course focuses on students having knowledge of Basic Electronics and willing to develop career in field of Embedded System

Learning Outcomes:

The student will able to know the programming in 8051 and ARM Microcontroller and industrial applications of these modern microcontrollers.

Duration of the Course 80 hrs (in hours)

Minimum Eligibility Criteria and Prerequisite, if any :

Pursuing/Passed B.E./B. Tech /BCA/MCA/BSc./MSc.(IT/CS/Electronics) or Graduate (any stream) with PG Diploma (CA/CS/IT)/NIELIT A/B Level /NIELIT CHM-A Level or pursuing AICTE Approved three years diploma in Electronics /Electrical/Computers/Instrumentation or Equivalent.

Outline of Course

S. No	Topic	Hours
1.	Basic Electronics	5 Hrs
2.	8051 Microcontroller	17 Hrs
3.	ARM Microcontroller	18 Hrs
	Theory	40 Hrs
	Practical	20 Hrs
	Project (Practical)	20 Hrs
	Total	80 Hrs

Books Recommended for Reading and Reference:

1. The 8051 Microcontroller and Embedded Systems by Mazidi,
2. ARM system developer's guide by Andrew N Sloss, Dominic Symes and Chris Wright

