



Government of India
Ministry of Skill Development and Entrepreneurship
Directorate General of Training

ADVANCED TRAINING INSTITUTE FOR ELECTRONICS & PROCESS INSTRUMENTATION
(An ISO 29990:2010 Certified Institute)

Green Park, Niranjapur, P.O. – Majra, Dehradun – 248 171
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SUMMER VACATION COURSE FOR ADVANCED EMBEDDED SYSTEM

TARGET GROUP/ELIGIBILITY:

Student undergoing Diploma/Degree in engineering (Electronics /Computer/Electrical)/ M.Sc. (Electronic/ Computer) or ITI (NCVT) in relevant trade.

OBJECTIVE: -On completion of this course, the trainee will be able to;

- Architecture of 8051/PIC & ARM7 Microcontroller.
- Pin Description and its applications.
- Addressing Modes & Instruction Set
- Assembly Programming.
- C Programming concepts.
- Arrays, Pointers, structures.
- Basic interfacing: LED blinking, Buzzer, Switches.
- Advanced Interfacing: 4x4 keypad, LCD, DC motor, Stepper motor, Relay etc.

DURATION: - 4 weeks (4Hrs/Day & 5 Days/Week)

TIMING: - Flexible Timing morning or evening session as per mutual agreement

FEE STRUCTURE: - Rs. 4440/- per participant

HOSTEL: - Rs. 100/day per participant, if available

TRAINING SCHEDULE:- 11-06-2018 to 06-07-2018

Week	Theory & Practical
Week-1	Introduction to Embedded C Programming Language
Week-2	Introduction to Embedded System using 8051 Microcontroller
Week-3	Introduction to Embedded System using PIC Controller
Week-4	Introduction to Embedded System using Advance Controller (ARM7)

After completion of this course participants will be able to develop embedded applications for automation.

For nomination contact :-

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