



ONE WEEK WORKSHOP

on

AVR Microcontrollers and Arduino

18-22 Oct 2016



Organized by

**Department of Electronics &
Communication Engineering**

**THDC-IHET
Tehri, Uttarakhand**

PREAMBLE

With the increased usage of technology the use of microprocessors and microcontroller have increased incredibly. A Microcontroller is a programmable digital processor with necessary peripherals. An Arduino board consists of an Atmel 8, 16 or 32-bit AVR microcontroller (although since 2015 other makers' microcontrollers have been used) with complementary components that facilitate programming and incorporation into other circuits.

HIGHLIGHTS

Introduction to AVR microcontrollers
AVR Architecture Of Atmega8,16 and 32,
Types of Registers, AVR Programming in C, Proteus Software Simulation Tool, AVR Studio IDE software, LED interfacing, Simulation of LED blinking ,LCD interfacing, ADC interfacing, ADC programming in AVR, Servo motor, Wireless communication between two Arduino RF serial communication.

RESOURCE PERSON

Mr. Anshuman Prakash
Assistant Prof. (Guest Faculty)
ECE Department

Workshop Coordinators

Mr. Purnendu Shekhar Pandey
Assistant Professor, ECE

Mr. Praful Ranjan
Assistant Professor, ECE

Students Coordinator

- **Abhinav Rautela, CSE ,3rd Year**
- **Vivek Kr. Gupta ,ECE,3rd Year**
- **Diksha Joshi, EE,3rd Year**

PARTICIPATION

The workshop will include the students from ECE/CSE/EE (4th and 3rd Year). Students will get them registered with their names to workshop coordinators on or before 17th Oct. 2016.

Only 30 Students will get the opportunity to attend the Program at first come first get basis.

Fees: No fee

Students will get the participation Certificate.

For any query mail us at:
tpothdcihet@gmail.com