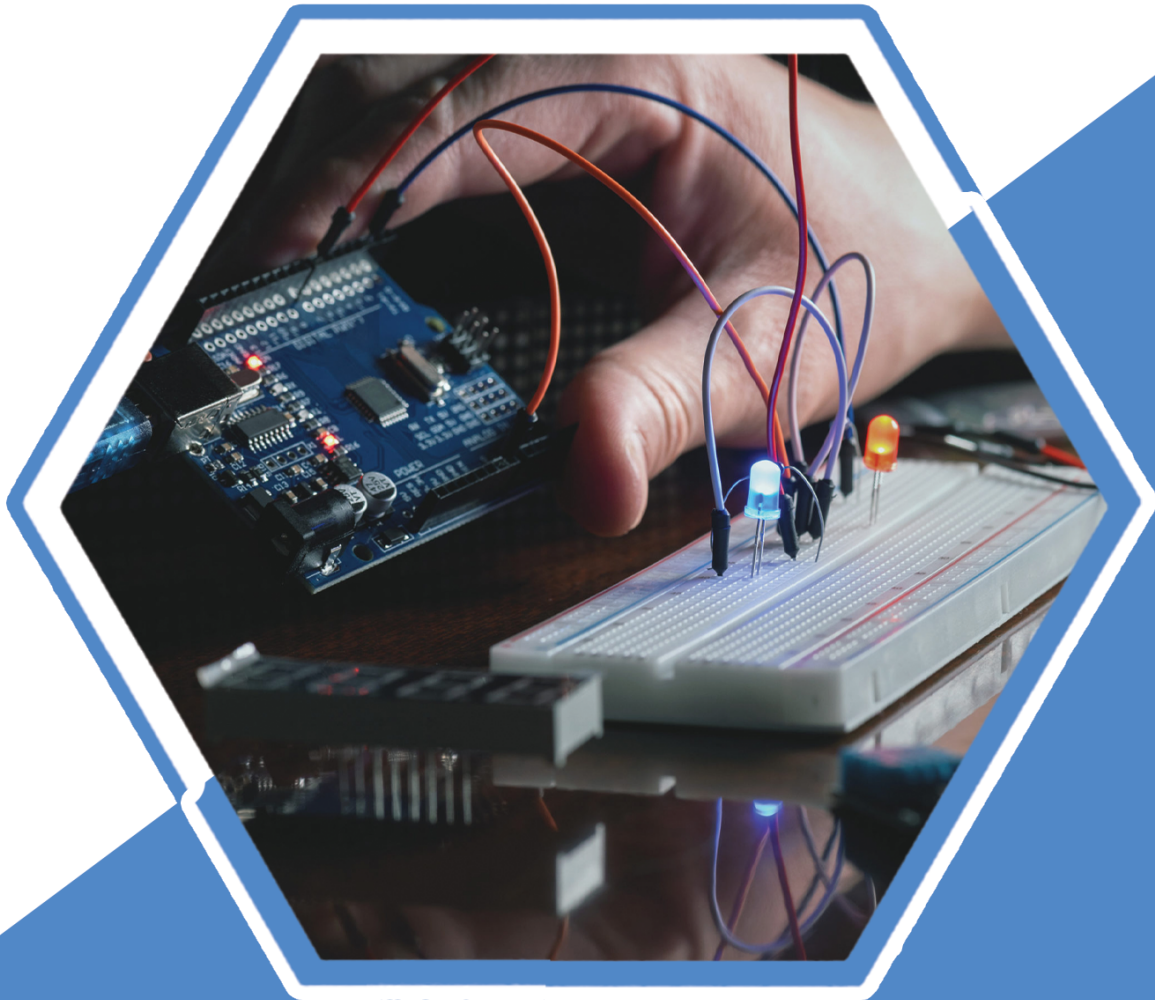


# Techno Hub INTERNET OF THINGS





## About Course



### INTERNET OF THINGS (With Arduino)

The term IoT "Internet of Things" is a revolutionary technology which is going to replace the wired connectivity in a network. The future of electronic devices is changing into wireless technology. IoT is the best and very useful technology to be skilled currently. An IoT network can be established by using different sensors and actuators.

Arduino is used for automating devices to reduce human interaction with electronic device. Slog Solutions Private Limited provides IOT training by a subject corporate professional with 5+ years of experience with realtime projects.

The Internet of Things (IoT) is one of the latest milestones in the IT sector, both in India as well as globally. Large, mid-sized and even small companies are using this technology because of its efficiency and ease of use. There are several roles in the field of IoT like Data Analyst, Data scientist, Device and Hardware analyst, etc. Jobs like professionals in sensors and actuators, Embedded program engineers, software program engineering, safety engineering. Techno Hub Laboratories Private Limited is the best IoT training institute in Dehradun, which is MSME approved company that makes this institute best institute among others.

Arduino is a prototype platform (open-source) based on an easy-to-use hardware and software. It consists of a circuit board, which can be programmed (referred to as a microcontroller) and a ready-made software called Arduino IDE (Integrated Development Environment), which is used to write and upload the computer code to the physical board.

Arduino provides a standard form factor that breaks the functions of the micro-controller into a more accessible package.

# COURSE CONTENT

## Module 1: Arduino Introduction

- ✓ Home
- ✓ Overview
- ✓ Board Description
- ✓ Installation
- ✓ Program Structure
- ✓ Data Types
- ✓ Variables & Constants
- ✓ Operators
- ✓ Control Statements
- ✓ Loops
- ✓ Functions
- ✓ Strings
- ✓ String Object
- ✓ Time
- ✓ Arrays

## Module 2: Arduino Function Libraries

- ✓ I/O Functions
- ✓ Advanced I/O Function
- ✓ Character Functions
- ✓ Math Library
- ✓ Trigonometric Functions

## Module 3: Arduino Introduction

- ✓ Due & Zero
- ✓ Pulse Width Modulation
- ✓ Random Numbers
- ✓ Interrupts
- ✓ Communication
- ✓ Inter Integrated Circuit
- ✓ Serial Peripheral Interface

## Module 4: Arduino Mini Projects

- ✓ Blinking LED
- ✓ Fading LED
- ✓ Reading Analog Voltage
- ✓ LED Bar Graph
- ✓ Keyboard Logout
- ✓ Keyboard Message
- ✓ Mouse Button Control
- ✓ Keyboard Serial

## Module 5: Arduino Sensors

- ✓ Humidity Sensor
- ✓ Temperature Sensor
- ✓ Water Detector / Sensor
- ✓ PIR Sensor
- ✓ Ultrasonic Sensor
- ✓ Connecting Switch

## Module 6: Arduino Motor Control

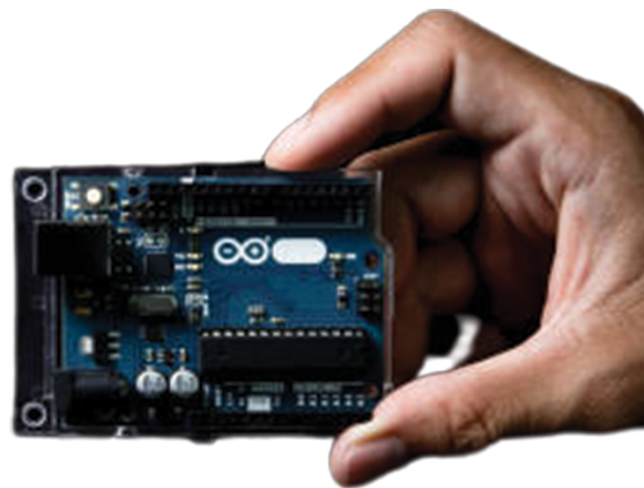
- ✓ DC Motor
- ✓ Stepper Motor
- ✓ Servo Motor

## Module 7: Sonic and Communication Techniques with Arduino

- ✓ Tone Library
- ✓ Wireless Communication
- ✓ Network Communication

## IOT - Arduino Major Projects

- ✓ IOT Based Smart Car Project
- ✓ IOT Based Home Automation



## COURSE DETAILS

### 3 Months

**Fees - 25,000 RS (with Kit)**

- ✓ Live field internship
- ✓ Major project development
- ✓ Write & Publish Research Paper in International Journal
- ✓ Paper presentation in National/International conference.

### 6 Months

**Fees - 45,000 RS (with Kit)**

- ✓ Live field internship
- ✓ Major project development
- ✓ Write & Publish Research Paper in International Journal
- ✓ Paper presentation in National/International conference.
- ✓ 1 month revision course anytime in 2 years

No extra charges will taken for the mentioned services apart from the course fees. We are here to help students, not to eat their money, we want to promote technology education .

## COURSE DETAILS

### Scheme for students with financial issues:

There are some students who are unable to do courses like these due to financial issues, so for them we have a scheme that will help them to pursue these courses and make their career.

- **Course Loan**

We will offer a course loan with 0 interest which the student can repay after the completion of the course , this loan scheme is applicable for both 3 months as well as 6 months courses . No interest will be charged when the student comes to repay the loan . For more information please call or whats app on our helpline +91 9997030409 .

- **Equal Monthly Installments**

Apart from the loan scheme we also have a system of equal monthly installments (EMI) . In this the student with a very minimum down payment can pay an equal amount per month for a duration of 3 months or 6 months . No interest will be charged on the EMIs . This scheme is applicable for both the 3 months and 6 months course . For more information please call or whats app on our helpline +919997030409 .

- **Course Group Mutual Funds**

In this scheme, if a students come in a group , like in a group of 3 students or 5 students or 10 students, then based on the size of the group there will be exclusive discount per student. This scheme is applicable for 3 months and 6 months course. For more information please call or whatsapp on our helpline +919997030409 .

Note : We are always there to help students and build a better future .

## COURSE DETAILS

### Delivery of the Course :

- **Online Mode**

If the student is unable to reach our location , we will deliver the course in an online mode. The student will get his / her kit by courier and the rest of things will remain the same.

- **Offline Mode**

Techno Hub Laboratories will not deliver the course by displaying slides on a power point presentation. Techno Hub Laboratories has a state of the art Laboratory which is equipped with latest equipments, so the student will do the entire course hands on which will make a student unstoppable in the industry.

# Why learn from us?

Techno-hub laboratories is a recognized woman led start-up based in Uttarakhand. Education, Environment and Technology are our focus areas. We have a core team of young professionals who are committed to quality and excellence. We have been engaged in conducting a lot of online professional courses around our core areas of expertise. We have a large number of technology experts from Industry as well as academia associated with us to make these workshops really effective.

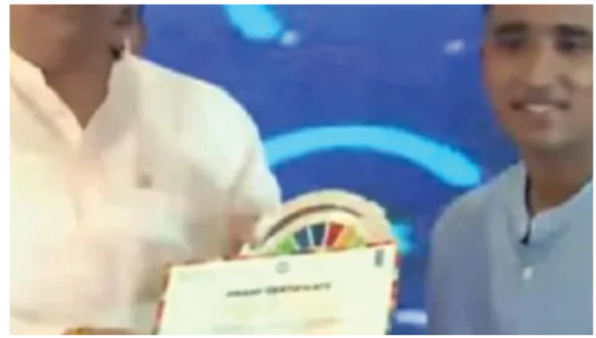


23 July 2022

Drone Developed by Techno Hub to transport medicines payload 2 kg

Techno Hub has developed a drone that can carry medical assets of a maximum payload 2 kg .

[Continue Reading](#)



13 July 2022

Techno Hub wins SDG - 9 Award by CM Pushka Singh Dhama Ji

Centre for Public Policy and Good Governance (CPPGG), Department of Planning, Govt. of Uttarakhand in collaboration with UNDP Organised Uttarakhand's First SDG Goalkeeper Awards. The intend of this initiative is to recog...

[Continue Reading](#)

Our founder director Dr. Reema Pant brings about 30 years of experience in the field of teaching, learning and research. The core group and advisers of Techno-hub are distinguished academicians, industry experts, and nationally and internationally renowned people of repute.

Techno Hub Laboratories is recognized by Startup India , Startup Uttarakhand . Techno Hub Laboratories has won the SDG – 9 Goalkeeper by Government of Uttarakhand for Industry and Innovation excellence .

Startup  
Uttarakhand

#startupindia



**TECHNO HUB  
LABORATORIES**

**Interested to Joining  
Register Now !**

## Features

- ✓ Professional Mentor
- ✓ High Quality Courses
- ✓ Teams and Training Room
- ✓ Modern Learn Methods

**+91 9997030409**




# Techno Hub Training & Internships




**CONTACT  
US!**

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