

**WayToWebPrivate Limited**(An ISO Certified Company), India based global IT Services Company, committed to deliver end-to-end IT solutions and services to its customers worldwide, with over 6 years of experience. We have been partnering with various digital agencies over USA, UK, Canada, Australia, Kuwait, Singapore, and Malaysia with the dedicated Team of 40+ Professionals.

### Quick Facts

- A Team of Senior Experts
- Working Experience of Company is 9+ Years
- 40+ employee ( 25+ Developers Team, 4 Designers Team and 10+ Trainee )
- 70% of Tech Staff Has Master in Computer Application
- Headquarters located in **Ahmedabad**, India
- Company Products are **MLM Software**, **Real Estate Solutions**, **E-Commerce**
- 3 out of 5 Clients Choose us for Long term Projects
- More than 350 Project Successfully Deliver to Client
- End to End Software Development Services for both IT and Non-IT ventures.

### Learn to **Control Sensors & Python Programming in 2days**

A workshop cum event on "**IOT with Python**" (10 Hours).

#### About Workshop

Learn all about Latest sensors and implementation on them and begin to make your own unique product like a professional at this workshop.

A live speaker and instructor are available to answer questions during this 2 days' workshop. Let a trained professional show you how to work with sensors and control them with your commands. Upon completion attendees receive a certificate of completion from WayToWeb Pvt Ltd.

#### Prerequisite for Workshop

- Passion to learn new creative things
- Knowledge of how to use Technology.
- Having basic knowledge of Mobile sensors.
- Having Methodical knowledge of C language .

### Who Could Attend?

- Education Faculty & Staff Responsible For Updating College Apps/Websites or etc..
- Students from any branch can attend the workshop.
- College students seeking future in Artificial Intelligence.

### Benefits to the Participants

- **Certificate of Participation** to all Participants from WayToWeb Pvt Ltd.
- **Free Software Toolkit Soft Copy** (Containing E-Books, Software, Video's, Tutorials)
- **Top 5 best performance students** are awarded with special gift from WayToWeb
- Some Selected Students will get chance of **FREE Project Internship** at organization.

### Key Benefits of WayToWeb Pvt Ltd.

- 7+ experience Developer will give best time to students.
- Trained More than **5,700+ students** from Gujarat Leading Institutes/College.
- Conducted more than **69 workshops & seminars** for Students & Professionals across Gujarat.

### Topics to be covered Days wise

#### Day 1 (5 HR)

##### What is Internet of Things?

- Introduction of Sensors
- How IoT Works
- Benefits of IOT
- Current Status And Future Prospect of IoT

##### Arduino Quick Start Guide

- Introduction of Arduino
- Why choose Arduino UNO
- How to Store Data on Arduino
- What microcontrollers are and What they can do.

##### Arduino Integrated Development Environment

- How to properly structure your code
- Using variables to write more capable programs
- To open, understand, comment, upload/run, and edit Arduino programs (sketches).

## Day 2(5 HR)

### Introduction on Python Programming

- Syntax of python Programming
- Why to use Python?
- What is library ?
- Scope of Python

### Python With IOT

- Why Python is best for IoT?
- Which library should be used at what time?
- How IoT supports Python?
- Machine learning Basics

### Hardware Requirements:

1. Arduino Uno micro controller
2. USB 2.0
3. Breadboard
4. Led
5. Jumper wires
6. Ultrasonic sensor

### Software Requirements:

- Arduino IDE

### Workshop Highlights

- Learn to make a IoT Project with Python Interface in 2 days.
- To implement an Arduino-based computer system for your own projects.
- Covers all the basics of Arduino Uno.
- Capable Building circuits using a breadboard.
- Hands on Demonstrations of Latest Sensors and Circuits .
- PowerPoint Presentation, Live Demos, Interactive Question & Answer sessions and Comprehensive reading material.
- A Big event of **WayToWeb Pvt Ltd.** after the workshop.
- Learn & Interact with renowned Industry Experts.

### Responsibilities

Participants bringing along valuables and personal property do so at their own risk and are responsible for their safety. WayToWebpvt Ltd. cannot be held liable for loss or damage to personal items.

### Developers Profiles

#### Mr.Mahipat sinh Rajput

Director & CMS Developer  
10+Years' Experience

#### Mr.Raj Makhijani

Python & lot Developer  
3+ Years' Experience