

# Brochure

NextLayer is a future focused platform delivering top tier skill in Robotics, Design, and Emerging Technologies.

contact@nextlayer.org.in

NEXTLAYER

in

Æ

nextlayer.org.in

+91-9122910999|+91-7856922040



We offer industry-relevant, hands-on bootcamps that help individuals and professionals upskill in emerging fields:

# 7/15 Days Hands-On Bootcamps:

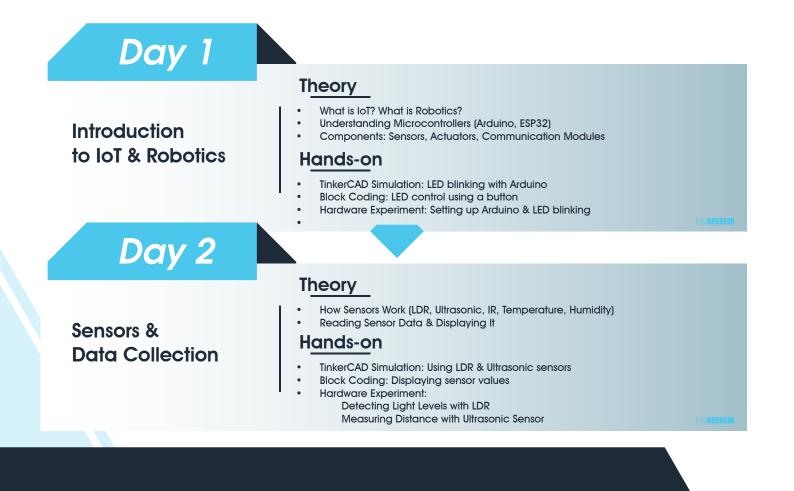
loT & Robotics – Learn to build and control smart devices	Communication Skills Workshop – Public speaking & business communication
Python Programming – Practical coding & UI development	Psychometric & Aptitude Testing – Career guidance for students & professionals
Generative AI & Prompt Engineering – AI-powered creativity	Drone Technology – Hands-on experience with drone mechanics & control
Web Development – From HTML & CSS to interactive web apps	Mechatronics – Integrating electronics, mechanics & automation
Design & 3D Printing – Learn CAD, prototyping, and printing	Graphic Design & Branding – Master Adobe tools & branding techniques
UI/UX Design – Learn Figma, design thinking, and prototyping	

Each program emphasizes real-world projects & industry best practices to enhance employability and entrepreneurship.



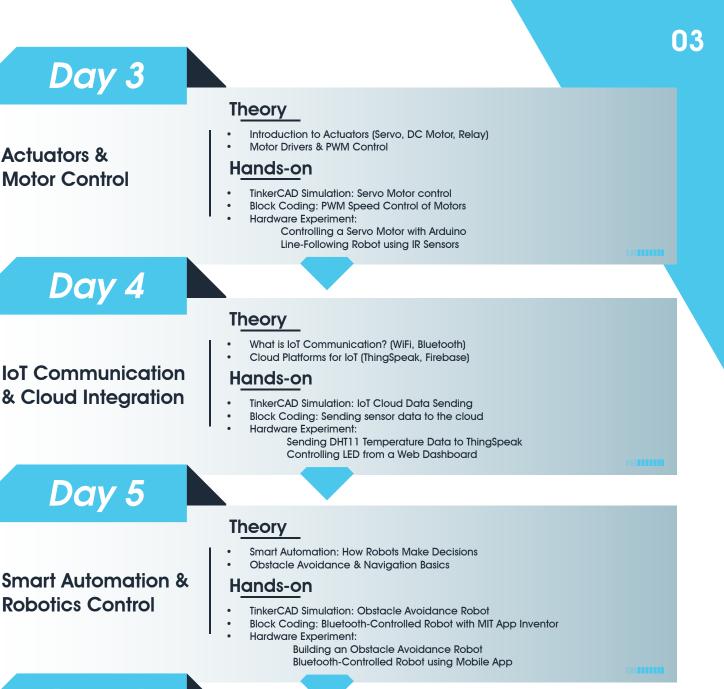
# 7/15 Day IoT & Robotics Hands-On Bootcamp

Duration: 7/15 Days Level: Beginner-Friendly Mode: Hands-on Learning





02



## Day 6

Mini Project Development (Guided)

- Theory
- How to Build an IoT or Robotics Project
- Step-by-Step Guide to Mini Projects

### Hands-on (Students choose one guided project to build)

- Smart Dustbin (Ultrasonic + Servo) Opens automatically when someone comes near
  IoT-Based Fire Alarm (DHT11 + Buzzer + WiFi) Alerts when temperature is high
- Bluetooth-Controlled Car (HC-05 + Motor Driver) Controlled via a mobile app
- TinkerCAD Simulation: Testing circuits before building
- Hardware Experiment: Hands-on assembly and testing





Day 7

Final Project & Showcasing

## Theory

- Final Touches on Projects
- How to Present a Technical Project

## Hands-on

- Independent Project Development: Students create their own projects
- Showcasing: Each student presents their project & working demo
  - Feedback & Certificate Distribution

## Requirements

- Hardware: Arduino, ESP32, Ultrasonic Sensor, DHT11, IR Sensors, LDR, Servo Motor, DC Motor, Motor Driver, LEDs, Breadboard, Jumper Wires.
- Software: TinkerCAD, Arduino IDE.

## Why This Bootcamp is Effective?

- Hands-on with Simulations & Real Hardware
- Block Coding for Easy Learning
- Simple but Practical IoT & Robotics Projects
- Students Build & Present Their Own Project



