



Transforming Aspirations into Achievement

INTERNET OF THINGS (IoT)

Master IoT with Expert Guidance!

SELF-PACED | MENTOR LED | PROFESSIONAL





A Brief Story About The Company



ABOUT US

Our team is dedicated to empowering students with the skills needed to thrive in today's ever-evolving job market. We believe that staying ahead requires continuous skill development to meet industry demands.

At innoKNOWVEX, we bridge the gap between current capabilities and the expertise sought by leading organizations. Our platform offers industry-specific training in a professional setting, equipping students with the knowledge and practical skills essential for securing employment in their chosen fields.



About the Program

InnoKnowvex Edu Tech's 3-month program includes two months of industrial training with experts through live sessions & recorded materials.

The final month involves an individual project and a major project with affiliated companies, offering industry exposure and MNC work experience. This program prepares interns for successful careers in the field.

Modes of Training

★ SELF PACED

- Recorded Sessions with doubt-clearing opportunities
- Lifetime access to study material
- Training Certification+Internship Opportunity

★ MENTOR LED

- Live interactive sessions with doubt clearing
- Lifetime access to recordings
- Training Certification+Internship Opportunity

★ PROFESSIONAL

- Live interactive sessions with doubt clearing
- Lifetime access to recordings
- Training Certification+Internship Opportunity+placement assistance



FIRST TWO MONTHS

- Comprehensive industrial training from experts
- Live interactive sessions
- Lifetime access to session recordings
- Hands-on practice
- Mini-projects and exercises
- Real time engagement
- Immediate feedback
- Supportive learning environment
- Mentorship and peer collaboration
- Solid foundation
- Real-world projects in the internship phase

THIRD MONTH

Two key projects:-

1. Minor project focused on implementing and evaluating their skills independently.
2. Major collaborative project, providing industry exposure and experience in a multinational corporation environment.

***Interns work on real-world challenges under the guidance of experienced professionals, gaining valuable insights into industry practices while refining their technical skills. This hands-on experience prepares them for successful careers, giving them a competitive edge in the job market.**



Explore the **CAREER PATHS**

**IoT
Developer**

**IoT
Solutions
Architect**

**Hardware
Engineer**

**IoT Security
Specialist**

**IoT
Engineer**

**Data
Analyst**

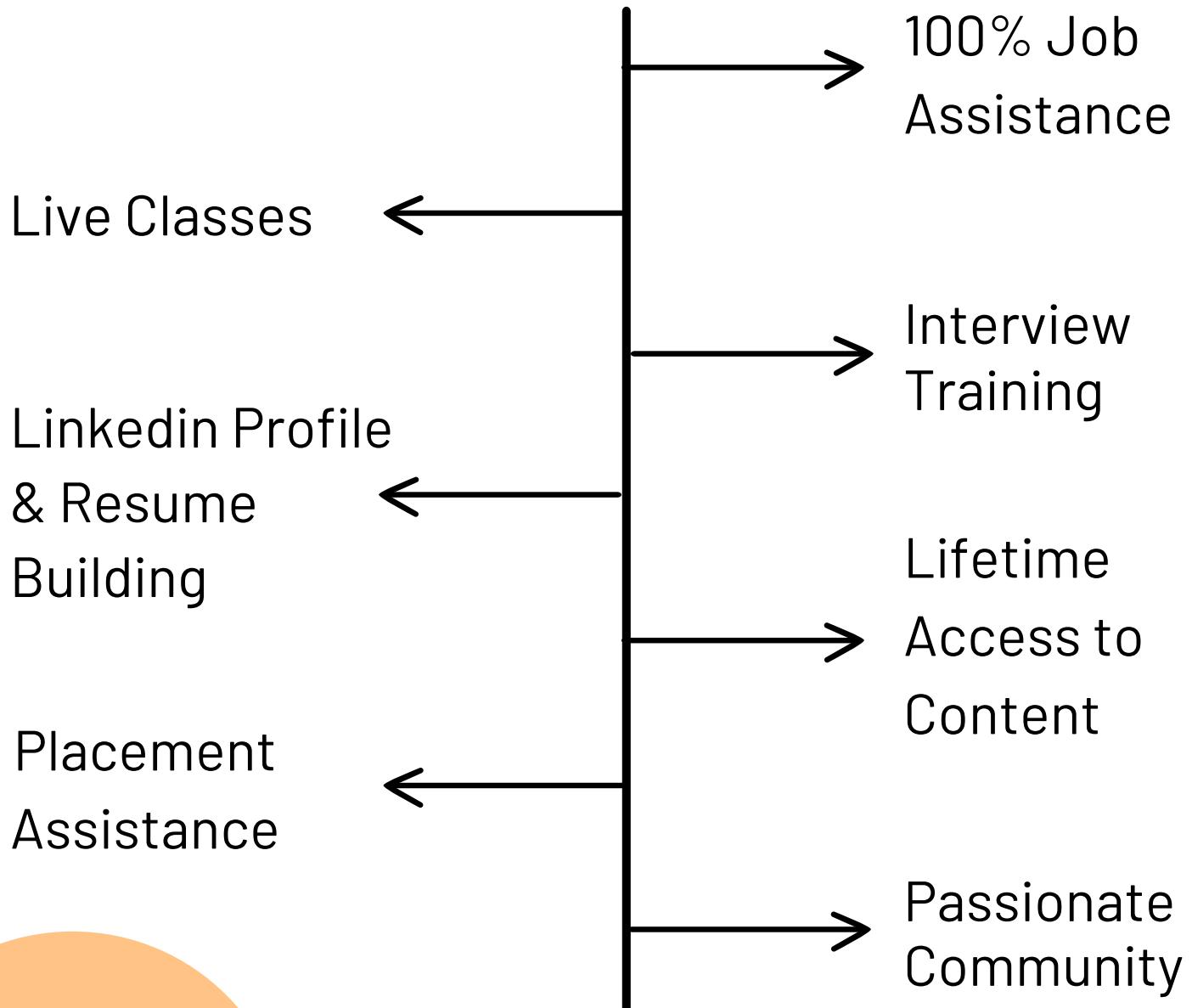
**Data
Engineer**

**System
Integrator**

**Smart
Product
Designer**

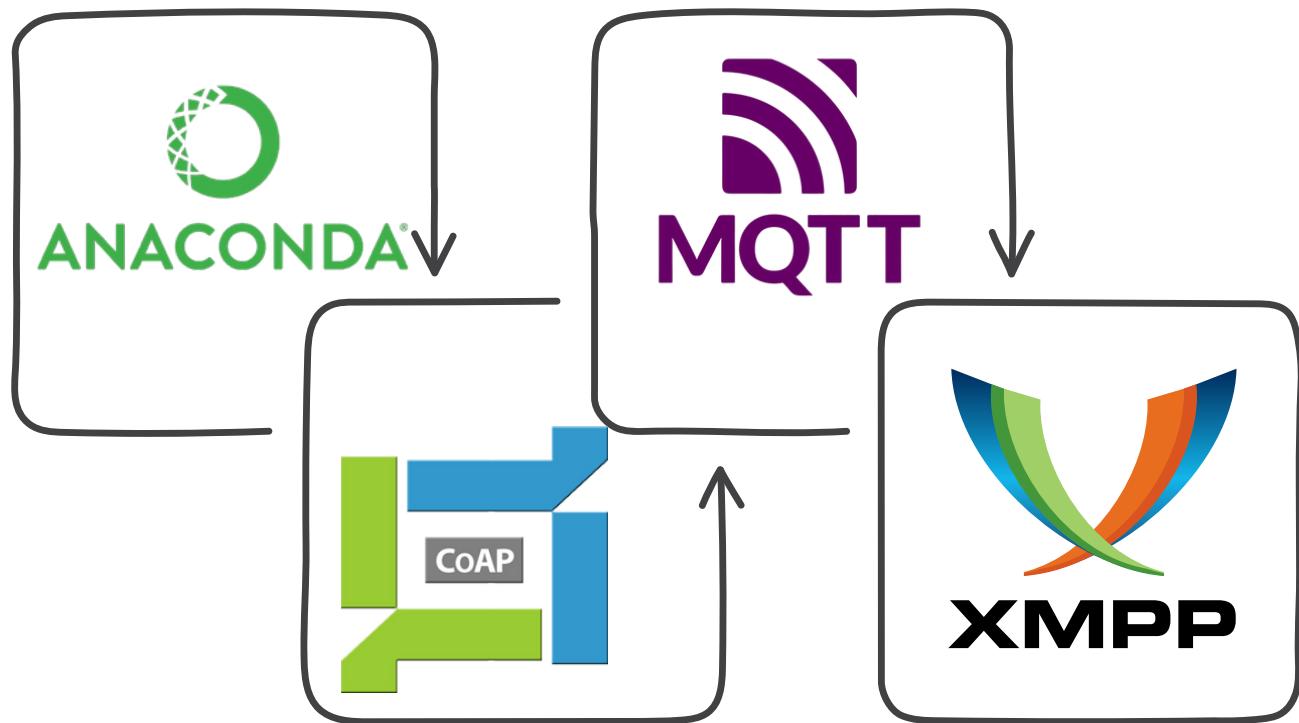


WHY US?



TOOLS

You will learn





KEY HIGHLIGHTS OF PROGRAM

Complete IoT
Stack Coverage

Hands-on
Hardware Training

Wireless
Communication
Mastery

Practical
Networking

Protocol
Knowledge

Python for IoT

Real-Time Data
Publishing

Web Integration

Command
Line

Anaconda
Prompt Usage

Industrial IoT
Exposure

Project-Based
Learning

Course Curriculum



Week 1- Introduction to Internet of Things

01

- M2M towards IoT-the global context
- IoTProducts by Indian Companies



Week 2- Hardware Layer -Arduino

02

- Industrial Internet of Things
- Getting started with ArduinoUno R3
- Switch Interfacing with Arduino





Week 3 - Hardware Layer –Sensor Interfacing

03

- Introduction to basic sensors
- Sensor 1: Working & Interfacing of IR Proximity Sensor
- Sensor 2: DHT11 Interfacing, working principle



Week 4 - Introduction to NodeMCU& Device Data/ Control

04

- Arduino–OpensourceHardware Platform
- Pin Configuration and functionalities
- Accessing UI in a local network



★ RESUME BUILDING WORKSHOP



Week 5 - Network Layer –Wireless Communication Protocols

05

- IPv4 Vs IPv6
- Introduction to 6LowPAN
- IoTPhysical Layer Protocols -Bluetooth/ WiFi/ LoRAWAN/ NFC





Week 6- IoT Application Layer Protocol

06

- IoT Application Layer Protocols -HTTP/ MQTT/ XMPP/ CoAP/ AMQP/
- WebSockets
- Publishing data to the broker



Week 7 - Python Programming

07

- Getting started with Python
- Variables, and Data Structure



Week 8 - Introduction to MQTT

08

- Basic MQTT concepts
- Working with online MQTT Brokers
- Replace Raspberrypi with ESP8266



⭐ SOFT SKILL DEVELOPMENT WORKSHOP



Week 9 - Using MQTT broker

09

- Controlling actuators connected to one NodeMCU based on data from another NodeMCU.
- Wireless sensor network using multiple NodeMCUs.
- Node to Node talk.



Week 10 - Webserver with ESP8266 websockets

10

- Introduction to anaconda prompt,
- MQTT from command prompt and anaconda prompt
- IoT with CLI commands





Week 11 - Introduction to LPWAN

11

- Communication technology: Wired and wireless IoT
- Different wireless technologies
- Low Power Wide Area Network (LPWAN)



HOW TO CRACK TECH INTERVIEWS



Week 12 - Industrial IoT

12

- Industrial Internet of Things
- Smart Factory Concept
- Automation to Digitalization





CERTIFICATIONS





Pricing

PLAN

Live Sessions>

Get real-time Assistance

₹2,500

Self Paced>

Learn at your own pace

₹2,500



OUR COLLABORATIONS

Capgemini

IBM

wipro

accenture

meesho

SWIGGY

Razorpay

PhonePe

boAt



COMPANY DETAILS

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