IoT Bootcamp

Part-Time (Online)

18-20 weeks, 30 hours/week

✔ Part-Time Commitment   ✔ Industry-Focused Curriculum   ✔ Project Based Learning   ✔ One-on-One Doubt Discussion

Bootcamp Overview

Join our part-time IoT bootcamp for **18-20 weeks**. Gain the necessary skills required to kickstart your career in the IoT industry with our industry-focused and career oriented program.

Structured Learning Stacks
Build a strong foundation with fundamentals, progress to intermediate topics, and finally, tackle advanced concepts

Hands-on Projects
Gain practical experience with over **25+ project**-based assignments, honing your skills through real-world applications

Capstone Project
Put your knowledge to the test by building a complex **smart city project** simulating real-world deployments

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Program Curriculum

Master the art of crafting IoT applications and projects with leading tools and technologies. Our curriculum comprises three stacks and a capstone project at the program's conclusion.

Week 1 to Week 3
IoT Fundamentals

You'll learn:
- ✓ Introduction to IoT
- ✓ Embedded Systems
- ✓ IoT Network & Standards
- ✓ Wireless Modules
- ✓ MIT App Inventor
- ✓ Cloud Computing
- ✓ Ethical Hacking

Week 4 to Week 12
IoT Intermediate

You'll learn:
- ✓ Python Programming
- ✓ Raspberry Pi
- ✓ IoT Gateway
- ✓ IoT Protocols
- ✓ LoRAWAN & Zigbee
- ✓ Node-RED
- ✓ AWS IoT
- ✓ IoT Security
- ✓ Fog & Edge Computing

Week 13 to Week 17
IoT Advanced

You'll learn:
- ✓ Database Management
- ✓ Big Data Analytics
- ✓ Cybersecurity
- ✓ Machine Learning
- ✓ IoT Case-Studies

Week 18 to Week 20
Capstone Project

You'll learn:
- ✓ Smart City Project(Enterprise Level)

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A Typical Day's Schedule in a Part-Time Program

Morning

Head to Work/School

Evening

Live Lecture, Office Hours & Self Study

Learning Platform Access(24/7)
Access to Learning Platform and Discord is available round-the-clock, 24/7, ensuring you can study whenever it suits you.

Live Lectures
Live lectures take place **three times a week**, lasting an hour each, from 6 PM to 7 PM, on **Mondays, Tuesdays,** and **Thursdays.**

Self-Study
For self-study, most students devote 30-35 hours per week, although your individual needs may vary based on your learning preferences and background.

Office Hours(Optional)
Optional office hours are offered one hour before lecture times, from 5 PM to 6 PM, providing additional support for clarifying concepts as needed.

Up Next: Let's Explore the Stacks

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Let's Explore the Stacks

Stack 1: IoT Fundamentals

You'll delve into the basics of IoT technology, exploring its architecture and essential components like embedded systems, cloud computing, networks, protocols, and more. This knowledge forms a solid foundation for the subsequent learning stacks.

Stack 2: IoT Intermediate

In this stack, you'll gain insight into some of the most popular technologies and tools like Raspberry Pi, Node-Red, AWS IoT, LoRAWAN, Zigbee, and Python. Additionally, you'll explore advanced topics including Fog & Edge computing, IoT Gateways, Security, and protocols.

Stack 3: IoT Advanced

The Advanced stack highlights IoT data management and analysis, covering Database Management, Big Data Analytics, Cybersecurity, Machine Learning and industry case studies, facilitating understanding and application across diverse sectors.

Capstone Project

Teamwork
Students collaborate in teams (3-5 members) for tasks like App Development, Cloud Computing, and more

Agile Methodology
Students learn Agile Project Management, ensuring adaptability

Team Leadership
Team leaders coordinate tasks, provide updates, and facilitate communication

Smart City Project Learning Outcomes

Project Integration
All teams combine projects for final presentation, fostering cohesion

Real-World Experience
Hands-on development prepares students for industry roles

Project Presentation
Students present their project and answer questions on graduation day

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Industry Trends

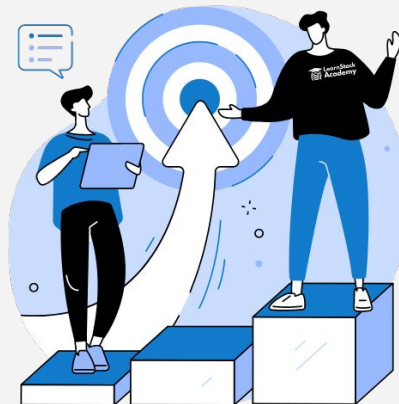**Projected Growth for Global Internet of Things (IoT) market size**

Between 2024-2032

24.3%

Market Size(in USD)
2024: $714.48 Billion
2032: $4,062.34 Billion

*SOURCE: Fortune Business Insights (https://www.fortunebusinessinsights.com/industry-reports/internet-of-things-iot-market-100307), published on March, 2024 with historical data from 2019-2022 with base year 2023 and forecast period is from 2024-2032

Up Next: Career Support

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Career Support

Career Support Services provides a comprehensive program to prepare you for success in the tech industry. We offer job search guidance, skill development, and resources to help you land your dream job.

1 **Crafting Professional Profile and Portfolio**

- **Build Your GitHub Portfolio**
- **Create and Enhance Your LinkedIn Profile**
- **Develop and Refine Your Resume**

2 **Job Search & Application Support**

- **Job Search and Sample Applications**
- **Communication with Hiring Managers**
- **Refining Job Titles**

3 **Interview Preparation & Strategies**

- **Preparing for Interviews and Negotiating Strategies**
- **Technical Skills Assessments**
- **Managing Target Compensation**

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How to Enroll

Research Programs

Check out our website to explore various programs or join us at our Open House to get all the program details.

Submit Application

Get your application done by answering a few simple questions, then set up a chat with an admission advisor!

Chat with Advisor

Chat with our admissions advisor to discover your ideal career path and find the perfect program just for you!
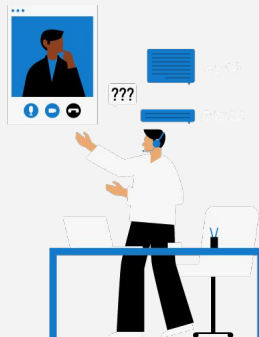
Finalize Your Admission

Secure your spot by submitting your program fee with a financing option that works for you, and then sign the enrollment contract.

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Chat with Admissions Team

Let's chat about your future! Curious about how our programs align with your career path? Our Admissions Advisors are here to help. Schedule a free call to discuss your specific goals and find the program that sets you on the path to success

Book a Call Now