

India's 1st Advanced Automation Research Center

SIAA CERTIFICATION IN IOT

INTERNET OF THINGS TRAINING COURSE

SIAA's Internet of Things course gives you deep insight into the latest trends in IoT and application in different sectors. The course will enable you with advance knowledge about wireless communication protocols. You will gain hands-on experience in IoT device building and project buildings. Become an expert IoT developer and enhance your career credibility.

Visit: www.siaa.tech, Call: (+91) 8800302505 / 8800301109
Email us: hello@siaa.tech.

About US

SIAA is India's 1st Advanced automation research centre which is responsible for driving applied research for multiple industries like agriculture, manufacturing, construction, healthcare and defence. SIAA, being the fastest-growing academia brand in Asia, also provides training and certification in advance technologies to academia and corporate that increase professional's skill capabilities.

Course Benefits

- Prove Your IoT skill & understandings
- Gain in-depth knowledge of IoT & Its implementation
- Implement your skills in edge computing
- Readiness for advanced device communication development
- SIAA Certification in IoT

Career Facts

Top Job Functions

Internet of Things doesn't need to be introduced. It's everywhere nowadays. It is estimated that there will be more than 75 billion IoT devices by 2025. Cities across the world are getting smart faster ever than before. Job prospects continue to grow in this ever demanding domain. This course is ideal for starting your career in this domain.

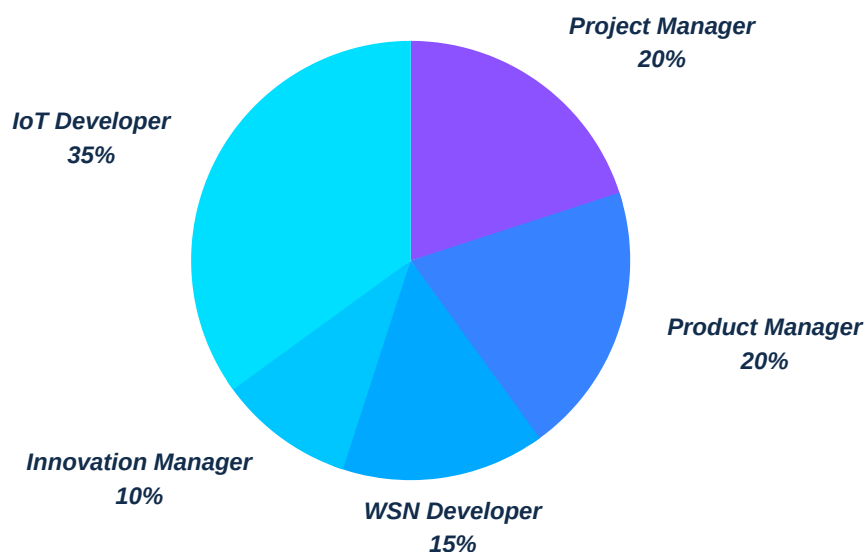


Figure: Pie Chart (Top Job Function)

Program Features

- Real-time industry projects
- 30-days of intense learning
- Instructor-led training
- Flexible to choose classes
- Accredited SIAA Certificate

Who Should Enroll

- Basic programming background
- Hobbieist
- Engineering Students
- Engineering Post-Grad students
- Software Engineer

Table of Content:

Lesson-1

- Introduction to IoT
- What is IoT?
- Business aspect of IoT
- History and Future of IoT with Mankind

Lesson-2

- IoT Architecture Overview
- System Architecture
- Description of proposed architecture
- Gateway hardware and sensors block

Lesson-3

- IoT with Raspberry Pi
- Hardware setup
- Software configuring
- Internet connectivity and streaming internet
- Using Linux command
- Updating software

Lesson-4

- GPIO Configuration
- Connecting LEDs
- Connecting buttons
- Using SOS buzzer
- Temperature sensor
- LDR
- Motors



Lesson-5

- Programming Using Python
- Basic programming in python
- Hello world
- Controlling GPIO pins
- Led blink
- User input
- IR sensor
- Temperature sensor
- Controlling motor
- Pi camera

Lesson-6 Connecting with cloud

Lesson-7 Data communication with cloud server

Lesson- 8 What is MQTT?

Lesson-9 MQTT setup with Raspberry Pi

Lesson-10 IoT Project building with Raspberry Pi

For More Information,

Call at: (+91) 8800302505 / 8800301109

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SIAA is an initiative by Schleife Automation Company which offers advance level automation training solutions to corporate and academia. SIAA is developing a degree independent platform for professionals across the globe to validate the skill set. SIAA has introduced the most facilitated technology training of automation with the collaboration of industry experts and hi-tech companies. We made it possible for the learners to feel the real-time industry experience in the live environment and enables them to tackle the real industry problems.

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