



Designing and Implementing IoT Solutions - Level 4

Duration: 2 Days

DESCRIPTION

This is the last level in the series of IoT courses. This course deals with advanced cognitive services which makes smart solutions. Various types of artificial intelligence entities like Face detection, Voice recognition, Computer vision and NLP (Natural Language Processing) would be discussed along with hands-on labs. Also 'IoT Security', a very important subject in reference to IoT solutions would be focused on during this training. Best practices for security would be shared. A few design considerations for IoT product / solution development as a whole would also be discussed with case studies. Finally, it would be the time to implement all the knowledge acquired in all the sessions. Attendees have to submit a project which they have to implement within 9 hours live. Our instructors would be available for expert advice and assist if required. The documentation has to be completed in a defined format and upload the project on their social media and our project database to earn the certificate.

OBJECTIVES

- To learn the implementation of IoT solutions with artificial intelligence services like Face detection, Voice Recognition, etc.
- To learn design considerations for real-time IoT product / solution development with case studies
- To learn about security best practices for any IoT based implementation
- To design and implement a live IoT project within time frame and documentation

COURSE OUTLINE

Day 1

- Data Science for IoT
- Design considerations for IoT solutions
- Security planning for IoT solutions
- Machine Learning APIs - Azure Cognitive services

Day 2

- Live Project

WHO SHOULD ATTEND

- Software Developers aspiring to code IoT programs
- IT Professionals engaging in IoT projects
- Mechanical / Electrical Engineers / Students looking out to automate, monitor or remote control equipments
- Any individual who needs brief idea on the concept for product development or career enhancement

PREREQUISITES

- Completion of 'Fundamentals of IoT - L1' course
- Completion of 'Working with Electronics in IoT - L2' course
- Completion of 'Programming Fundamentals for IoT' course (for attendees who doesn't have any background with programming languages)
- Completion of 'Cloud Robotics and Advanced IoT Architecture - L3' course

TRAINING CALENDAR

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TESTIMONIALS

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- Usha (Sr.Infrastructure Analyst, Sapient Consulting)

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- Gladwin (Cloud Admin, Cognizant)

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For training inquiry, please email us at: sales@cloudthat.in

08880002200

sales@cloudthat.in

www.cloudthat.in

