Mindluster Platform

About the course IoT communication models for beginners

IoT communication models course, in this course we will learn about the IoT communication models, essential frameworks that define how devices in the Internet of Things (IoT) ecosystem interact and exchange data. IoT communication models are the backbone of any IoT system, enabling seamless connectivity and data flow between devices, gateways, and cloud platforms. We will explore various communication models, starting with Device-to-Device Communication, where devices communicate directly with each other, ideal for local interactions and fast response times. Next, we will delve into Device-to-Cloud Communication, where devices connect to cloud services to send and receive data, allowing for extensive data storage, processing, and advanced analytics. We'll also cover Device-to-Gateway Communication, where a gateway device acts as an intermediary, aggregating and preprocessing data before sending it to the cloud or another network, enhancing data security and reducing bandwidth usage. Additionally, we will examine Back-End Data Sharing, which involves sharing data between different backend systems and applications, facilitating comprehensive data analysis and integration. You will learn about various communication protocols used in IoT, such as MQTT, CoAP, HTTP, and WebSocket, each suited for different scenarios and requirements.

Computer Science Category's Courses

Course Lesson(18)

Lesson 1 : **IOT introduction Internet Of Things in Telugu**

Lesson 2 : **IOT Protocols Technologies used in IOT development IOT in Telugu**

Lesson 3 : **Characteristics of IOT Internet Of Things in Telugu**

Lesson 4 : **Physical Design of IOT Protocols used in IOT IOT in Telugu**

Lesson 5 : **Communication models in IOT IOT in Telugu**

Lesson 6 : **Communication APIs in Internet Of Things IOT in Telugu**

Lesson 7 : **Embedded devices System in Internet Of Things IOT in Telugu**

Lesson 8 : **IOT levels and Deployment in internet Of Things**

Lesson 9 : **Sensors and Actuators in IOT devices**

Lesson 10 : **Actuator introduction and types of actuators in IOT**

Lesson 11 : **Programming for IOT IOT in Telugu**

Lesson 12 : **Communication through Wi Fi in IOT devices**

Lesson 13 : **Communication through Bluetooth in IOT devices**

Lesson 14 : **Reference Model in IOT Internet Of Things in Telugu**

Lesson 15 : **IOT Reference Architecture IOT in Telugu**

Lesson 16 : **6LoWPAN protocol in Reference Architecture IOT in Telugu**

Lesson 17 : **RPL and COAP protocols in Reference Architecture Internet Of Things in Telugu**

Lesson 18 : **MQTT Reference Architecture protocols**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees



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