

1. Planning an IoT Implementation

- Select a General Architecture for an IoT Project
Identify Benefits and Challenges of IoT
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2. Constructing and Programming an IoT Device

- Select and Configure a Processing Unit
Select a Microcontroller Power Source
Use a Software Development Kit to Program an IoT Device
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3. Communicating with an IoT Device

- Communicate Using Wired Connections
Communicate Using Wireless Connections
Communicate Using Internet Protocols
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4. Processing IoT Data

- Process IoT Device Input and Output
Process Data in the Cloud
Provide Machine to Machine Communication
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5. Managing Risks on IoT Projects

- Identify IoT Security and Privacy Risks
Manage IoT Security and Privacy Risks
Manage IoT Safety Risks
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6. Undertaking an IoT Project

- Identify Real World Applications for IoT
Follow the IoT Development Lifecycle