

1. PLANNING AN IOT IMPLEMENTATION

Select a General Architecture for an IoT Project

Identify Benefits and Challenges of IoT

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

3. COMMUNICATING WITH AN IOT DEVICE

Communicate Using Wired Connections

Communicate Using Wireless Connections

Communicate Using Internet Protocols

4. PROCESSING IOT DATA

Process IoT Device Input and Output

Process Data in the Cloud

Provide Machine to Machine Communication

5. MANAGING RISKS ON IOT PROJECTS

Identify IoT Security and Privacy Risks

Manage IoT Security and Privacy Risks

Manage IoT Safety Risks

6. UNDERTAKING AN IOT PROJECT

Identify Real World Applications for IoT

Follow the IoT Development Lifecycle