**Module 1: Develop Azure Cognitive Services solutions**

Lessons

* Cognitive Services overview
* Develop solutions using Computer Vision
* Develop solutins using Bing Web Search
* Develop solutions using Custom Speech Service
* Develop solutions using QnA Maker

After completing this module, students will be able to:

* Learn to develop solutions using Computer Vision.
* Use speech services and natural language processing in your app.
* Create and manage dictionaries for FAQ generation by using QnA maker.

**Module 2: Create and intergrate bots**

Lessons

* Azure Bot Service overview
* Create a bot using the Bot Builder SDK for .NET
* Using Language Understanding in your bot
* Register a bot with Bot Service
* Managing a bot using the Azure Portal

After completing this module, students will be able to:

* Leverage Bing Search in your application.
* Create and register simple bot using the Bot Framework, and manage a bot using the Azure Portal.

**Module 3: Create and implement IoT solutions**

Lessons

* Working with the Azure IoT Hub
* Working with Azure Time Series Insights
* Working with Azure Stream Analytics

After completing this module, students will be able to:

* Configure Azure Time Series Insights for your IoT solution.
* Configure the Stream Analytics Service for inputs and outputs for your IoT device

Register your device with the IoT Hub Device Provisioning Service