

King Abdul Aziz University
Faculty of Engineering - Girls' campus
Training Unit



جامعة الملك عبد العزيز
كلية الهندسة - شطر الطالبات
وحدة التدريب

الشؤون التعليمية

Student Training Weekly Notes (week 2)

Student's Information	Name of Student:		Name of Organization:	Deanship of information technology
	University No:		Specialization:	Electrical and Computer Engineering

Sunday 5/6/2016	<ol style="list-style-type: none"> The technical supervisor asked me and my team to make a presentation that contains a brief description (summary) of internet of things (IoT), internet of things hub (IoT Hub), Azure platform and its services and advantages. I read about simple internet of things project which is temperature alert with Azure IoT Hub and an Mbed board. The reading provided me with a deep understanding on how the IoT Hub is used to ingest data from the device and to notify the device when alerts are triggered by cloud services.
Monday 6/6/2016	<ol style="list-style-type: none"> I applied the temperature alert project into Microsoft Azure portal by doing the following: <ul style="list-style-type: none"> ✓ Create an IoT hub to receive data from devices and send commands back to it. ✓ Create an event hub into which I will post alerts. ✓ Create a stream analytics job to read data from the IoT hub and post alerts into the event hub. ✓ Create a storage account to used by the worker role.
Tuesday 7/6/2016	<ol style="list-style-type: none"> Continue working on the same project by doing the following: <ul style="list-style-type: none"> ✓ Deploy a simple worker role to read alerts from the event hub and forward alerts to devices through the IoT hub.

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Wednesday 8/6/2016	<p>1- Continue working on the same project by doing the following:</p> <ul style="list-style-type: none">✓ Compile the project and publish to Azure.✓ Connect the device to the IoT by creating a unique identity and connection string.✓ Connect the board to the network using an Ethernet cable and plug the device into the computer using a micro-USB cable.✓ Create Mbed project and import the sample code.
Thursday 9/6/2016	<p>1- Continue working on the same project. 2- Debugging the error in the code.</p>

- (Please fill this form electronically day by day even though you were absent one day write that you were absent, and send it every Friday by 12:00 a.m. MAX.)