**Lesson 1**

* General introduction to Telecommunication technologies in IoT
* Communication Protocols
* IoT Gateways
* Low Power Wide Area Networks(LPWAN) – Sigfox, LoRaWAN

**Lesson 2**

* Discussion of interfacing communication with Microcontrollers
* Role of Cloud in IoT Solutions development
* Cloud Services for IoT and examples with IBM
* Data Storage for IoT data

**Lesson 3**

* JavaScript Crash course
* NodeJS and Node-RED

**Lesson 4**

* JavaScript Crash course
* NodeJS and Node-RED

**Lesson 5**

* Making our own REST application and using Mongo DB

**Lesson 6**

* Data Analysis with ElasticSearch and connection to own application.

**Lesson 7**

* Data Analysis with ElasticSearch and connection to own application.

**Lesson 8**

* Introduction to user interface design for IoT
* Basic HTML, CSS and JavaScript for Web Applications/May be do React

**Lesson 9**

* Introduction to charting libraries for IoT Data representation
* Finishing our custom solution