

BLE Embedded Applications 102

1 Day, Hands-On Training

Johannesburg
Tuesday, 25 September 2018

Pretoria
Wednesday, 26 September 2018

OBJECTIVE :

This hands-on course focuses on the critical design considerations in adding BLE connectivity to embedded applications and will teach delegates the fundamentals of the BLE protocol, including device roles and data transfer models and cover the 'key' concepts needed to create Bluetooth® Low Energy (BLE) applications on programmable devices.

Bluetooth® Low Energy (BLE) is the low-power extension to the Bluetooth 4.x Core Specification, extending the standard to cover low-power, low-latency use cases.

TOPICS / FOCUS :

- BLE fundamentals and the tool chain used to create custom applications for the SAMB11 programmable Bluetooth® Low Energy module.
- Lab exercises will demonstrate features of the BLU-SDK API.
- The hands-on labs introduce and use the Studio7 IDE and BLU-SDK API needed to develop BLE applications for SAMB11.
- Delegates will work through exercises such as creating beacons, optimizing power consumption, building peripheral GATT services on the device, and central role functions.



DELEGATE REQUIREMENTS :

Development Tools and own Laptop pre-loaded with the required software which will be provided.

TOOLS REQUIRED/PROVIDED :

- ATSAM11-XPRO



All courses start at 08H00. A minimum number of attendees per course will be required to proceed.

If minimum numbers are not reached, pre-registered delegates will be contacted directly to make alternative arrangements.

Avnet South Africa (Pty) Ltd

Block 3, Pinewood Office Park, 33 Riley Road, Woodmead, 2191
JHB : 011 319 8600, CPT : 021 689 4141, DBN : 031 266 8104
Shane.Padayachee@avnet.com