“QT/QML on Embedded Linux using Beagle Bone”

- Introduction to BeagleBone
- BeagleBone hardware
- Linux boot process using BeagleBone
- Running Python on BeagleBone
- Interfacing Electronics
- Digital write to the GPIO pins
- Simulate analog output using PWM
- Communications using BeagleBone
- Interfacing BeagleBone Busses
  - UART
  - SPI
  - I2C
- Controlling servo motor using PWM

Qt for Embedded systems

- Architecture
- Qttoolchain for Embedded
- Creating Qt project for target & deployment

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Embedded application development

- Run & debug your applications in target
- Qt for Embedded Linux class
- Qt platform abstraction

IoT use-cases

- Creating charts/Graphics in Qt
- Interfacing / reading sensor data
- Real time data handling & decision making