

Partner Training, India – March, 2018
ARTIK Marketplace Hackathon

Part I, SmartThings Cloud

- SmartThings Cloud Overview (Manifest, Device Type, Rules Engine, Integration/Authentication Flow)
- Communication with SmartThings Cloud
- Device Management: LWM2M
- Security: ARTIK PKI, Secure Device Registration, Device whitelisting etc.
- Cloud Connector
- Monetization
- Development Tools, API console etc.

Lab 1 – Create Manifest

Part II, ARTIK Module

ARTIK 05x

- ARTIK 05x Overview
- ARTIK 05x Security Sub System: Mutual Authentication, Post Provisioning, Secure boot, KMS, secure JTAG, Security API.
- ARTIK 05x Development: ARTIK IDE/SDK, Cross-compilation, Debugging
- Use Cases

Lab 2 – Easy Onboarding with SmartThings Cloud

Lab 3 – Stream Sensor data to SmartThings Cloud and use Rules Engine to trigger device actions

Lab 4 – Device Management and OTA

Lab 5 – Security APIs: key/certification management; secure storage APIs etc.

ARTIK 5/7

- ARTIK 5/7 Overview
- Edge Node Manager
- ARTIK 5/7 Development
- Use Cases

Lab 6 – Use MQTT to send sensor data to Gateway device and aggregated data to SmartThings Cloud

Lab 7 – ZigBee hands-on exercise

Lab 8– Multimedia: Build your own Google Assistant with ARTIK

Part III, Marketplace hackathon

Marketplace Intro

Hackathon