List of Handover material

1. Documents and tutorials

a. Software specifications

b. OpenWRT cross-compilation document

c. Netlink software document

2. Video tutorials

a. WTP side implementation walk-through

b. AC side implementation walk-through

c. OpenWRT cross compilation walk-through

3. Software

a. OpenCAPWAP modified software source code

b. External Applications for AC and WTP

c. Web UI

Work distribution

Nishant : OpenCAPWAP source

Akshata: Netlink server + OpenWRT

Anirudh: External APPs

Mahak: Web UI

Work done already

AC - WTP main communication tunnel - DONE

AC side APPs

- Configuration Update manager - Channel and TxPower - \* debugging

- WTP information retriever - \*remaining

WTP side APPs

- Configuration update APP - Channel and TxPower - Done

- WTP information server - Netlink server - \* Debugging

OpenWRT cross compilation

- Modified code needs \*\*Debugging

- Netlink sever - \*\*

Web UI

- basic UI for channel and Txpower management

Demo ready for channel and TxPower

Work need to be done (~1 month)

AC - WTP main communication tunnel - Cross - compilation on OpenWRT (with added features)

External APPs

- AC side: WTP Information retriver

- WTP side: WTP information server- Debugged and cross compiled for OpenWRT

Web UI

- Add Database support

- Add Station and WTP information

Finally run everything on different chipsets - \*debugging

​Documentation:

- OpenWRT compilation

- Creating new external Applicaitons

- Error reports​

Demo for Channel, TxPower, WTP information, connected Station information