

Work Report (period 1.9.2013 to 30.9.2013) by RRU

1. Worked on mcmtest.c program (USB_RS485) for FE monitoring.
2. Installed Readline Library & Libxml library on Charu Machine.
Compiled Online_v2 on Charu's Dell Machine connected it with a MCM card programmed with 192.168.4.125.
3. Carried multiple experiment with different setup of Online_v2 & MCM card for testing 1 second & 2 second back grounding monitoring time as well as various tests to check the through put & latency between Online_v2 & MCM.
4. Generated plots for all experiment using GNU plot.
plotted various data point like
 1. Time between command & response
 2. Time between two chunks of data
 3. Time between two successive monitoring packets.
5. Prepared slides for 15 September function.
6. Online_v2 interfaced with GUI.
A separate thread opened in Online_v2 which will listen on socket for command from GUI. Once it get command from GUI on port 7000, it put that command in particular system queue. Tested four sub-system of C00 viz GAB, Sentinel, Front_end & Fiber-optics. Set the controlling bits of Sentinel bit. Bits are setting tested it using test jig.
7. Added code for C01 antenna in gui.c file. So that Online_v2 can accept command for two antenna C00 & C01 from QML GUI.
Tested Online_v2 with two antenna GUI.