**NAME OF PROJECT:** SOIL MOISTURE SENSOR

**Initialization:**

**REGISTRATION?**

No

Ok

**SIGNAL STRENGTH?**

No

Ok

**CSCS=HEX Set HEX character set**

No

**CNMI=2,2,0,0 SMS saved in buffer & directly displayed**

Ok

No

Ok

No

**XIIC=1 To set up a PPP link**

Ok

**SIGNAL STRENGTH?**

No

Ok

**CMGF=1 Set the text mode**

**CSCS=HEX Set HEX character set**

No

Ok

**READ ADC (BATTERY VOLTAGE & MOISTURE SENSOR)**

**ENTER TO SLEEP MODE**

**READ DESTINATION NUMBER, SMS PER DAY AND AUTHORISED NUMBER FROM NEOWAY FILE SYSTEM**

No

Ok

**Change Destination Mobile Number:**

**IF NO DATA, WRITE PREDEFINED NUMBERS TO FILE SYSTEM**

**SEND THE MESSAGE**

**MESSAGE RECEIVED FOR CHANGE DESTINATION MOBILE NUMBER**

**FROM AUTHORISED USER?**

No

**ACCESS DENIED**

Yes

**WRITE DESTINATION MOBILE NUMBER TO FILE SYSTEM**

**DESTINATION MOBILE NUMBER CHANGED**

**ENTER TO SLEEP MODE**

**Change Number of SMS Per Day:**

**MESSAGE RECEIVED FOR CHANGE NUMBER OF SMS PER DAY**

**FROM AUTHORISED USER?**

No

**ACCESS DENIED**

Yes

**WRITE NUMBER OF SMS / DAY NUMBER TO FILE SYSTEM**

**NUMBER OF SMS / DAY CHANGED**

**CHANGE WAKEUP TIME**

**ENTER TO SLEEP MODE**

**Change Authorized Number:**

**MESSAGE RECEIVED FOR CHANGE THE AUTHORISED NUMBER**

**FROM AUTHORISED USER?**

No

**ACCESS DENIED**

Yes

**WRITE AUTHORISED MOBILE NUMBER TO FILE SYSTEM**

**AUTHORISED MOBILE NUMBER CHANGED**

**ENTER TO SLEEP MODE**

**Change Number of SMS Per Hour:**

**ENTER TO SLEEP MODE**

**CHANGE WAKEUP TIME**

**NUMBER OF SMS PER HOUR CHANGED**

**MESSAGE RECEIVED FOR CHANGE NUMBER OF SMS PER HOUR**

**ACCESS DENIED**

**FROM AUTHORISED USER?**

No

Yes