CHAPTER FIVE

Conclusion and Recommendations

5.1 Conclusion

IN this thesis, we design and test the fault detection in the transmission line by using many component like (microcontroller ,GPS,GSM, MAX 232, RS232and power sensor) all this component work together to perform the location of fault and number of line , the main concluding remarks can be summarized as flows : The power sensor sensed the transmission line and detect the fault when occur Processing unit (microcontroller) It receives the signal from power sensor and send a signal to the GSM by using MAX232 and RS 232 cable remind that fault it occur . The global positioning system detect the location of fault and with line it occur .The global system for mobile communication send message to supervisor control include the location and number of line.

5.2 Recommendations

I recommended for future work

Firstly : connecting the device with internet service to detected the location exactly by using Google mapping application.

Secondly : developing the programming code by Using Skada Graphs ((is a modular damage meter with various viewing modes. It is inspired mainly by Assessment, but also by Recount.)).

Thirdly : Development the device to located at each station automatically fixes the problem .

Fourthly: developing the device to correct the fault (error) or disconnected the location of fault quickly before the error or fault can occur