

Chapter 5

Conclusion & Recommendations

5-1 Conclusion:

We found the benefits of using plc step7-300 more than disadvantages to get any operation simple by devices support the plc .These devices have many good features like reliability stability protection from noise of electricity and more suitability for industrial environment. Recently the plc devices have became developed at modern application access to various data bases also view the data with the simple way.

5-2 Recommendations:

Many software simulators programming can be used in feeder automation system such as ETAP (Electrical Transient Analyzer Program), GE (General Electric), EDSA (Edward Durrell Stone and associates), SPECTRUM and OPEN3000.

Implement a contingency system in distribution automation substation to cover the faithability of the system and to make the system more reliable.

References:

- 1) Turan Goren, “Electrical Power Distribution System Engineering 2nd Edition”, Tylor & Francis Group LLC, 2008.
- 2) Dale R. Patrick & Stephen W. Fardo, “Electrical Distribution Systems 2nd Edition”, Tylor & Francis Group LLC, 2009.
- 3) V.K Mehta & Rohit Mehta, “Principles of Power System” S.Chanl.
- 4) B. L. Theraja, “Electrical Technology”, S. Chand Company LTD, 2005.
- 5) Palak Patrick, “Distribution System Automation”, Ph. D. Scholar, 2009.