

CHAPTER 56
TECHNOLOGY
ELECTRICAL ENGINEERING

Doctoral Theses

684. MINI K (nee MINI SREEJETH)
Design and Development of Distributed Drive System.
Supervisor : Prof. Madhusudan Singh and Prof. Parmod Kumar
Th 21035

Contents

1. Introduction 2. Literature review 3. Efficiency optimization and control of three phase induction motor drives 4. Efficiency optimization and control of three phase PMSM drive 5. Distributed drive system using scada and PLC 6. Parametric sensitivity of induction motor 7. Conclusions and future scope. Appendices. Bibliography. Publications.

685. S.T. NAGARAJAN
Investigations on AI Based Control of Facts Devices for Damping SSR in Power System.
Supervisor : Prof. Narendra Kumar
Th 21037

Contents

1. Introduction 2. Literature review 3. Static var system with GA optimised auxiliary control for mitigation of SSR in synchronous generators 4. Fuzzy logic control for SVS and statcom to mitigate ti effect of SSR in synchronous generators 5. Induction generator effect and its mittigation with statcom for synchronous generators 6. SSR in renewable energy sources with squirrel cage induction generator 7. Influence of SSR to satisfy grid code compliance in large wind farms with series compesnated line 8. Conclusions and future work. Publications. Appendix. References.