



### Office of Research and Development

## **GUIDELINES FOR THE PREPARATION OF SYNOPSIS**

Synopsis should outline the research problem, the methodology used for talking it and the summary of the findings. **The size of synopsis should not exceed 20 pages of typed matter reckoned from the first page to the last page including the List of Publications.** The sequence in which the Synopsis should be arranged as follows.

1. Introduction
2. Literature Review (Selected)
3. Objective
4. Research Problem
5. Organization of Thesis
  - Chapter 1: Introduction
  - Chapter 2 :
  - ...
  - Chapter 'N' : Conclusion
6. Reference (Selected)
7. List of Publications

Standard A4 size (297mm x 210mm) paper may be used for preparing the copies.

The Synopsis should have the following page margins:

Top edge	:	1 inch
Bottom edge	:	1 inch
Left side	:	1.5 inch
Right side	:	1 inch

The Synopsis should be prepared on good quality Executive Bond paper. One and a half spacing should be used for typing the general text. The general text shall be typed in Font Style Times New Roman and Font Size 12. One or two Tables/Figures may be included at appropriate places in the text and they should conform to the margin specifications. All page numbers (Arabic numbers) should be typed without punctuation on the upper right hand corner 0.787' from top with the last digit in line with the right hand margin. Synopsis should be bound using flexible cover of thick white art paper. The cover should be printed in black letters and the text for printing should be identical to what has been prescribed for the title page.

## REFERENCES

1. D. Rivas, L. Morán, J.W. Dixon and J.R. Espinoza, Improving Passive Filter Compensation Performance with Active Techniques, *IEEE Transactions on Industrial Electronics*, **50** (1) (2003), 161- 470.
2. B. Changaroon, S.C. Srivastava, D. Thukaram and S. Chirarattananon, Neural Network Based Power System Damping Controller for SVC, *IEE Proceedings- Generation, Transmission and Distribution*, **146** (4) (1999), 370 – 376.
3. C.S. Chang, Q.Z. Yu, A.C. Liew, and S. Elangovan, *Genetic Algorithm Tuning of Fuzzy SVC for Damping Power System Inter-Area Oscillations*, Proceedings of the 4th International Conference on Advances in Power System Control, Operation and Management, APSCOM-97, (1997), 509-514.
4. G. Amos, *MATLAB An Introduction with Applications*, John Wiley & Sons, Inc, U.K, (2004).

**DESIGN AND FABRICATION OF CURRENT  
CONTROLLED SHUNT ACTIVE POWER FILTER  
FOR HARMONIC REDUCTION**

**A SYNOPSIS**

*Submitted by*

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*in partial fulfillment for the award of the degree of*  
**DOCTOR OF PHILOSOPHY**



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