

LIST OF FIGURES

Figure 1. Theoretical Framework	4
Figure 2. Parse Tree	5
Figure 3. Linkage Between Variables in Conceptual Framework	8
Figure 4. A generic semantic-role-labeling algorithm	13
Figure 5. Illustration of Baseline Features [4]	19
Figure 6. Hyperplane Options Are Possible	25
Figure 7. Hyperplane With Maximum Margin	25
Figure 8. Hyperplane Margin.....	26
Figure 9.Multiclass SVM Prediction of A to Class B and C	28
Figure 10. Multiclass SVM Prediction of B to Class A and C	29
Figure 11. Multiclass SVM Prediction of C to Class A and B	29
Figure 12. Multiclass SVM The Results Combination of A, B, and C.....	29
Figure 13. Baseline Architecture	34
Figure 14. Experiment Scenario	34
Figure 15. Quran Translation XML File.....	36
Figure 16. Propbank XML File.....	37
Figure 17. Parse Tree Form a Sentence	38
Figure 18. Syntactic Tree From a Sentence	39
Figure 19. Basic Features Architecture.....	40
Figure 20. Dependencies List	42
Figure 21. Additional Features Architecture	43
Figure 22. Feature Evaluation.....	49
Figure 23. Proposed Features Architecture.....	51
Figure 24. The Features Performance of The Proposed Features when tested on auto labeled data (%).....	62
Figure 25. The Features Performance of The Proposed System when tested on hand-labeled data (%).....	63

Figure 26. The Proposed Features Evaluation 71