
CONTENTS

| | |
|---|-------------|
| APPROVAL | ii |
| SELF DECLARATION AGAINST PLAGIARISM | iii |
| ABSTRACT | iv |
| ABSTRAK | v |
| DEDICATION | vi |
| ACKNOWLEDGMENTS | vii |
| PREFACE | viii |
| CONTENTS | ix |
| LIST OF TABLES | xi |
| LIST OF FIGURES | xii |
| LIST OF TERMS | xiii |
| LIST OF NOTATIONS | xiv |
| 1 INTRODUCTION | 1 |
| 1.1 Rationale | 1 |
| 1.2 Theoretical Framework | 2 |
| 1.3 Conceptual Framework/Paradigm | 2 |
| 1.4 Statement of the Problem | 3 |
| 1.5 Objective and Hypotheses | 3 |
| 1.6 Assumption | 4 |
| 1.7 Scope and Delimitation | 4 |
| 1.8 Significance of the Study | 4 |
| 2 REVIEW OF LITERATURE AND STUDIES | 5 |
| 2.1 Related Literatures | 5 |
| 2.2 Related Studies | 6 |
| 2.2.1 Feature Enrichment (User-based Feature, Content-based Feature, LIWC Feature) | 6 |
| 2.2.2 Feature Expansion | 7 |

| | |
|--|-----------|
| 3 RESEARCH METHODOLOGY | 8 |
| 3.1 Research Design | 8 |
| 3.1.1 Preprocessing | 8 |
| 3.1.2 Tweet Feature Extraction using TF-IDF | 9 |
| 3.1.3 Feature Expansion | 10 |
| 3.1.4 Feature Enrichment | 10 |
| 3.1.5 Evaluation Metrics | 12 |
| 3.1.6 Experiment Scenario | 12 |
| 3.2 Instrumentation and Data Collection | 12 |
| 3.3 Tools for Data Analysis | 14 |
| 4 PRESENTATION, ANALYSIS AND INTERPRETATION OF DATA | 15 |
| 4.1 Presentation of Data | 15 |
| 4.1.1 Creating Baseline | 15 |
| 4.1.2 Feature Enrichment | 16 |
| 4.1.3 Feature Enrichment + Feature Expansion | 16 |
| 4.2 Analysis of the Data | 17 |
| 4.3 Summary of Findings | 19 |
| 5 CONCLUSION AND RECOMMENDATIONS | 21 |
| 5.1 Conclusions | 21 |
| 5.2 Recommendations | 21 |
| BIBLIOGRAPHY | 22 |
| Appendices | 23 |
| A MISCELLANEOUS | 25 |
| A.1 DASS-42 Questionnaire | 25 |
| B Curriculum Vitae | 26 |