

Contents

Chapter 1: Introduction	1
1.1 Genetic affiliation and history.....	1
1.2 Fonts Development & Comparative Study of Languages.....	2
Chapter 2: Aim Of The Project	5
2.1 Object of the Project.....	5
2.2 Significance of the study.....	6
Chapter 3: Background: Defining the Project Context	7
3.1 Morphological Analysis.....	7
3.2 The Final Distribution.....	8
3.2.1 The Basic Morpheme Induction Algorithm.....	9
3.2.2 Extracting a List of Candidate Affixes.....	9
3.2.3 Detecting Composite Suffixes.....	9
3.2.4 Detecting Incorrect Attachments Using Relative Frequency..	9
3.2.5 Suffix Level Similarity.....	10
3.2.6 Inducing Orthographic Rules and Allomorphs.....	11
3.2.7 Word Segmentation.....	12
3.2.8 Parameters to tune.....	12
3.3 Comparative Framework.....	13
3.3.1 ComparisonFinal.....	13
3.3.2 Clustering.....	14
3.3.3 Rule Based 2D Array (Bangla Verb).....	17
3.3.4 Rule Based 2D Array (Asomiya Verb).....	17
3.3.5 Rule Based 2D Array (Bishnupriya Manipuri Verb).....	18
Chapter 4: Framework & Implementation	20
4.1 A Framework Of Comparative Morphological Analysis.....	20
4.2 Framework Description & Implement.....	21
4.2.1 Corpus.....	21
4.2.2 Morphological Analysis & Implementation	21
4.2.3 Comparative Framework & Implementation.....	24
4.3 Tools & Platform.....	25
Chapter 5: Application	26
Chapter 6: Conclusion & Future Development	29
6.1 Conclusion.....	29
6.2 Future Development.....	29
References	31

List of Tables & Figures

List of Table:

Table	Description	Page No.
<i>Table 1</i>	<i>word-root frequency ratios (WRFRs)</i>	10
Table 2	Suffix table for the Bengali verb	17
Table 3	Suffix table for the Asomiya verb	18
Table 4	Suffix table for the Bishnupriya Manipuri verb	19
Table 5	Application with example	26

List of Figures:

Figure	Description	Page No.
Figure 1	A coin, Assamese script from Ahom dynasty	2
Figure 2	Different forms of verb root KA.	7
Figure 3	Clustering of Bangla Words	16
Figure 4	Input Of Final Distribution	22
Figure 5	Output Of Final Distribution	22
Figure 6	Clustering & Mapping	30