	TABLE OF CONTENTS	Page No.
DECLARATION		i
CERTIFICATE		ii
ABSTRACT		iv
AKNOWLEDGEMENT		ix
PREFACE		xi
CONTENTS		xiii
LIST OF TABLES		xviii
LIST OF FIGURES		xxi
LIST OF MAPS		xxiii
LIST OF PHOTOPLATE	E	XXV

Sl. No	Title	Page No.
	CHAPTER 1: INTRODUCTION	1-20
1.1	Introduction	1
1.2	Concept of rural-urban interaction	2
1.3	Review of literature	4
1.3.1	Theories of rural-urban interaction	4
1.3.2	Studies on land use pattern	7
1.3.3	Studies on the transport structure	8
1.3.4	Studies on the function of urban and rural area	9
1.3.5	Studies on rural-urban linkage	10
1.4	Statement of problem	11
1.5	Location of the study area	12
1.6	Objectives	12
1.7	Hypothesis	12

Sl. No	Title	Page No.
1.8	Database	13
1.9	Methodology	13
1.10	Organisation of the study	16
1.11	References	17
	CHAPTER 2: BACKGROUND OF THE STUDY AREA	21-50
2.1	Introduction	21
2.2	Location and extent	21
2.3	Brief history of the study area	22
2.4	Administrative divisions	27
2.5	Physical set-up of the study area	29
2.5.1	Physiography	30
2.5.2	Elevation	32
2.5.3	Geological formations	33
2.5.4	Drainage system	35
2.5.5	Climatic characteristics	37
2.5.6	Soil	39
2.5.7	Natural vegetation	40
2.6	Socio-economic attributes of the study area	41
2.6.1	Agriculture	41
2.6.2	Trade and commerce	42
2.6.3	Market centres	43
2.6.4	Transport and communication	43
2.6.5	Tourism	45
2.7	Summary	47
2.8	References	49

Sl. No	Title	Page No.
	CHAPTER 3: GROWTH OF RURAL AND URBAN SETTLEMENT WITHIN THE STUDY AREA	51-106
3.1	Introduction	51
3.2	Population growth in India Level of Urbanization in North Bengal	51
3.3	Population growth in West Bengal Of North Bengal	52
3.4	Population growth in the study area during 1991-2011	53
3.5	Size class classification of rural settlements in the study area	55
3.6	Population growth across the villages and census towns of the study area	58
3.7	Literacy rate across the villages and census towns of the study area	76
3.8	Sex ratio across the villages and census towns of the study area	85
3.9	Workers category across the villages and census towns of the study area	94
3.10	Summary	104
3.11	References	105
	CHAPTER 4: FACTORS AFFECTING RURAL-URBAN INTERACTION AND DELINEATION OF ZONES OF INTERACTION	107-141
4.1	Introduction	107
4.2	Factors affecting rural-urban interaction	109
4.2.1	Population size	109
4.2.2	Transport and communication	110
4.2.3	Number and size of settlements	114
4.2.4	Trade and commerce	115
4.2.5	Agricultural activities	117
4.2.6	Socio-economic aspects	120
4.3	Delineation of zones of interaction within the study area	124

Sl. No	Title	Page No.
4.4	Road distance of villages and census towns of the study area from Siliguri Municipal Corporation	130
4.5	Summary	135
4.6	References	139
	CHAPTER 5: DEVELOPMENT OF TRANSPORT NETWORK AND ASSOCIATED LAND USE AND LAND COVER CHANGE	142-186
5.1	Introduction	142
5.2	Transport network in the study area	143
5.3	Transport network model based on graph theory	145
5.4	Road density network analysis	153
5.5	Land use & land cover Analysis	165
5.5.1	Image classification	166
5.5.2	Analysis of inter-class LULC transformation	167
5.5.3	Landuse & land cover change of Siliguri sub-division through main transport lines	182
5.6	Summary	184
5.7	References	186
	CHAPTER 6: RURAL-URBAN INTERACTION IN THE STUDY AREA	187-223
6.1	Introduction	187
6.2	Rural-urban interaction in the study area	188
6.3	Summary	221
6.4	References	223

		CHAPTER 7: CONCLUSION	224-233
7.1	Introduction		224
7.2	Summary		224
7.3	Suggestions		231
		BIBLIOGRAPHY	234-241
		APPENDIX	242-255