

LIST OF CONTENTS

CONTENTS		PAGE NO
Declaration		I
Certificate		Ii
Acknowledgement		Iii
List of Contents		V
List of Table		Xiii
List of Graph		xxi
List of Annexure		xxiii
Abbreviation		Xxiv
CHAPTER-1	CONCEPTUAL FRAMEWORK	1 to 31
1.1	Introduction	1
1.2	The Universalisation of Elementary Education in India	1
1.3	Major Programmes for UEE	3
1.4	Major Programmes for Elementary Education in Gujarat	7
1.5	Status of Elementary Education	9
1.6	The Shifting Goalpost of Universalisation of Elementary Education in India	14
1.7	Defining the term ‘Efficiency’	16
1.8	Types of efficiency	18

CONTENTS		PAGE NO
1.9	Efficient School	18
1.10	Factors that Affect Efficiency	19
1.11	Measuring Efficiency in Education	21
1.12	Economics of Education and Production of Education	23
1.13	Frontier Production Model	24
1.14	Technical Efficiency in Measurement	24
1.15	Rationale	25
1.16	Title of the study	28
1.17	Objectives of the Study	28
1.18	Hypothesis of the Study	28
1.19	Operationalization of Terms	29
1.20	Delimitations of the Study	31
CHAPTER-2 REVIEW OF RELATED LITERATURE		32 to 71
2.1	Introduction	32
2.2	Related Literature on Elementary Education	32
2.3	Studies Based on Efficiency, Effectiveness and Quality in Elementary Education	33
2.4	Studies Based on Institutional and Academic Culture in Elementary School	40
2.5	Studies Based on Physical Facility, Academic Facility in Elementary School	44

CONTENTS		PAGE NO
2.6	Studies Based on Support System: Like Incentives, Mid Day Meal Etc.	48
2.7	Studies Based on Community Participation in Elementary School	54
2.8	Studies Based on Job Satisfaction among Teacher	59
2.9	Studies Based on Academic Achievement of Students in Elementary School	63
2.10	Major Observation	65
2.10.1	Studies Based on Efficiency, Effectiveness and Quality in Elementary Education	65
2.10.2	Studies Based on Institutional and Academic Culture in Elementary School	66
2.10.3	Studies Based on Physical Facility, Academic Facility In Elementary School	66
2.10.4	Study Based on Support System: Like Incentives, Mid Day Meal Etc.	67
2.10.5	Studies Based on Community Participation in Elementary School	67
2.10.6	Studies Based on Job Satisfaction Among Teachers	68
2.10.7	Studies Based on Academic Achievement of Students in Elementary School	68
2.11	Implication for study	69
CHAPTER-3 RESEARCH METHODOLOGY		72 to 111
3.1	Introduction	72
3.2	Method of the Study	72
3.3	Population and Sample	72
3.3.1	Population: Elementary Schools	72

CONTENTS		PAGE NO
3.3.2	Sample: Elementary Schools	73
3.3.3	Sample: Students and Teachers	73
3.4	Tools	77
3.4.1	School information Schedule: Construction and Validation	78
3.4.2	School Observation Schedule: Construction and Validation	79
3.4.3	Teacher Information Schedule: Construction and Validation	80
3.4.4	Teacher's Job Satisfaction Scale	81
3.4.5	Achievement Test	84
3.4.6	Field Diary	91
3.4.7	Volunteer's Observation Schedule	91
3.4.8	Photographs	91
3.4.9	DISE Data for the Academic Year 2011-12 and Year 2012-13	91
3.5	Quantification Mechanism of Variables under Study	91
3.6	Data Collection	109
3.7	Data Analysis	110
	CHAPTER-4 ANALYSIS OF DATA	112 to 184
4.1	Introduction	112
4.2	Variables under Study	112

CONTENTS		PAGE NO
4.3	Descriptive Analysis of Variables	113
4.3.1	Descriptive Analysis of Variables Related to Physical Facility	114
4.3.2	Descriptive Analysis of Variables Related to Academic Facility	127
4.3.3	Descriptive Analysis of Variables Related to Human Resources	136
4.3.4	Descriptive Analysis of Variables Related to Support System	145
4.3.5	Descriptive Analysis of Variables Related to Output Variables	150
4.4	Principal Component Analysis	158
4.4.1	Statistical Measures for Factorability of the Data	159
4.4.2	Principal Component Analysis for Physical Facility Variables	159
4.4.3	Principal Component Analysis for Academic facility Variables	162
4.4.4	Principal Component Analysis for Human Resources Variables	165
4.4.5	Principal Component Analysis for Support System Variables	168
4.4.6	Principal Component Analysis for Output Variables	170
4.5	Scaling Judgment: Converting into Z-Score and T-score and assigning Weightage	172
4.6	Coefficient of Correlation between Different Input Variables Scores and Aggregate Output Variable	175
4.7	Coefficient of Correlation between Input variables and Aggregate Output Variable	177
4.7.1	Testing Hypothesis	177
4.8	Coefficient of Correlation Between Aggregate Input Variables and Aggregate Output Variable	179

CONTENTS		PAGE NO
4.9	Efficiency Analysis by Stochastic Frontier Production Model	180
CHAPTER-5 MAJOR FINDING AND DISCUSSION		185 to 197
5.1	Introduction	185
5.2	Finding from Descriptive Analysis	185
5.2.1	Status of Physical Facility in Elementary School	185
5.2.2	Status of Academic Facility in Elementary School	186
5.2.3	Status of Human resources in Elementary Education	187
5.2.4	Status of Support system in Elementary School	187
5.2.5	Status of Output Factors in Elementary School	188
5.3	Finding from Principal Component Analysis	189
5.4	Finding from Correlation Analysis	190
5.4.1	Coefficient of Correlation between Different Input Variables and Aggregate Output Variable	190
5.4.2	Coefficient of Correlation among Input Variables	190
5.4.3	Coefficient of Correlation between Input Variables and Aggregate Output Variables	191
5.4.4	Coefficient of Correlation between Aggregate Input Variables and Aggregate Output Variables	191
5.5	Efficiency Analysis by Stochastic Frontier Production Model:	191
5.6	Discussion	192

CONTENTS		PAGE NO
CHAPTER: 6 SUMMARY AND IMPLICATIONS		198 to 213
6.1	Introduction	198
6.2	Statement of the Problem	199
6.3	Objectives of the Study	199
6.4	Hypothesis of the Study	199
6.5	Operationalization of Terms	200
6.6	Delimitation of the Study	202
6.7	Method of the Study	202
6.8	Population	203
6.9	Sample	203
6.10	Tools	204
6.11	Data Collection	206
6.12	Data Analysis	206
6.13	Major Findings and Interpretation	206
6.13.1	Finding from Descriptive Analysis	206
6.13.2	Finding from Principal Component Analysis	208
6.13.3	Finding from Correlation Analysis	209
6.13.3.1	Coefficient of Correlation between Different Input Variables and Aggregate Output Variable	209

CONTENTS		PAGE NO
6.13.3.2	Coefficient of Correlation among Input Variables	209
6.13.3.3	Coefficient of Correlation between Input Variables and Aggregate Output Variables	210
6.13.3.4	Coefficient of Correlation between Aggregate Input Variables and Aggregate Output Variables	211
6.13.4	Finding from Efficiency Analysis by Stochastic Frontier Production Model	211
6.14	Implications of Present Study	212
6.15	Suggestions for Further Research	213
6.15	Conclusion	213
	Bibliography	214 to 226
	Annexure	I to XC