CONTENT

	Introduction	**i-xvi**
Chapter 0	**Preliminaries**	**1-19**
	0.1 Introduction to FCMs and FRMs models	1
	0.2 Introduction to Supermatrices	10
Chapter 1	**Fuzzy analysis of problems faced by URCS using FCMs and FRMs**	**20-42**
	1.1 Introduction	20
	1.2 Fuzzy analyse of problems faced by URCS using FCMs	22
	1.3 Fuzzy Relational Maps to analyse the interrelation between teachers and URCS studying in city colleges	31
	1.4 Conclusion	37
Chapter 2	**Fuzzy new models – SFCMs, SFRMs and FLCMs**	**43-69**
	2.1 New Super Fuzzy Models	43
	2.2 New Super Fuzzy Linguistic Maps models	53
Chapter 3	**Fuzzy analysis of problems of URCS using SFCMs and SFRMs models**	**70-86**
	3.1 Introduction	70
	3.2 Brief Description of the questionnaire	72
	3.3 Description of the objectives as developed from the questionnaire	76
	3.4 Justification for choosing DSFRMs new model	79
	3.5 Use of DSFRMs model to study the URCS problems	79
	3.6 Conclusion	85

Chapter 4	**Fuzzy analysis of problems faced by URCS using the FLCMs and FLRMs models**	**87-102**
	4.1 Description of the problem and justification for using this model	87
	4.2 Analysis of problems faced by rural students using the new FLCMs model	88
	4.3 Study of problems faced by URCS from the elaborate questionnaire using FLRMs model	94
Chapter 5	**Fuzzy models – a comparative study of the hidden patterns**	**103-115**
	5.1 Comparison of the integrated hidden patterns of the FCMs and FRMs models using the SFCRMs	103
	5.2 Comparison of the hidden pattern of the URCS problems using the SFCRMs model	108
Chapter 6	**Conclusion and Recommendations**	**116-138**
	6.1 Gist of each chapter	116
	6.2 Insights	117
	6.3 Future Scope of the Work	137
	References	**139-149**