CONTENTS

CHAPTER 1 INTRODUCTION 1-54
Introduction 1
Statement of the Problem 47
Need of the Study 47
Scope of the Study 51
Objectives of the Study 53
Educational Implications 54

CHAPTER 2 REVIEW OF RELATED LITERATURE 55-92
Creativity 57
Scientific Attitude 77
Attitude towards Science 83

CHAPTER 3 METHODOLOGY OF RESEARCH 93-140
Research Methodology 93
Operational Definitions of Key Terms 95
Variables of the Study 98
Hypotheses of the Study 102
Sample of the Study 107
Tools of the Study 115

CHAPTER 4 ANALYSIS OF DATA 141-191
Creativity of prospective science teachers 142
Scientific Attitude of prospective science teachers 157
Attitude towards Science of prospective science teachers 171
Association among Creativity, Scientific Attitude and Attitude towards Science 185

CHAPTER 5 SUMMARY, CONCLUSIONS AND DISCUSSION 192-216
Summary 192
Conclusions and Discussion 200
Suggestions for Further Research 215

BIBLIOGRAPHY 217
WEBLIOGRAPHY 229
APPENDICES
Appendix-A : Personal Data Sheet 231
Appendix-B : Creativity Test 232
Appendix-C : Scientific Attitude Scale 236
Appendix-D : Attitude towards Science Scale 239
Appendix-E : List of Sample Colleges of Education 241
Appendix-F : Telugu Version Tools 242