## **TABLE OF CONTENTS**

S. No	Contents	Page No.
	Acknowledgment	i
	Contributors	ii
	Recommendations	iii
	Executive Summary	iv
	Key Findings	vi
1	CHAPTER 1: INTRODUCTION, GENESIS OF DST-FIST PROGRAM AND NEED OF THE PRESENT STUDY	2
	1.1 Science and Technology Policies and Genesis of DST-FIST	2
	1.2 Other programmes/initiatives on S&T infrastructure	8
	1.3 Impending issues on S&T infrastructure	9
	1.4 Need of the present study	10
	1.5 Review of literature	11
2	CHAPTER 2: OBJECTIVE, METHODOLOGY AND EXECUTION OF THE STUDY	14
	2.1 Objectives of the study	15
	2.2 Target population and sample size	15
	2.3 Organizational structure and execution of the study	16
	2.4 Measurement of Impact	19
	2.5 Development of data collection tools and pilot testing	20
	2.6 Training of field investigators	21
	2.7 Field operations and data collection	22
	2.8 Data processing and analysis	23
	2.9 Responsibilities of stakeholders and time frame	24
	2.10 Challenges in Data collection and Non-response	26
	2.11 Summary	28
3	CHAPTER 3: CHARACTERISTICS OF FIST GRANT AND CHARACTERISTICS OF GRANT RECIPIENTS	29
	3.1 Project stats of southern region	30
	3.2 Distribution of grants and total disbursed amount across various institutions in southern region	31
	3.3 Distribution of Grants and total disbursed amount across various institutions in southern region	32

	3.4	Distribution of sanctioned grants/projects during 2000-2011 based on project levels	34
	3.5	State wise distribution of grants/project based on project levels.	35
	3.6	Amount Sanctioned, and extent of unutilized	36
	3.7	Categorization of University/College/Institute based on financial support	36
	3.8	Frequency of FIST grants received by departments/schools/centers	37
	3.9	Gender of Project Investigator (PI)	38
	3.10	Working Status of Project Investigator (PI)	39
	3.11	Gender of Respondent	39
	3.12	State wise distribution of working status of PI	40
	3.13	Distribution of sanctioned and received grants based on project levels during the year 2000-2011	41
	3.14	Distribution of sanctioned amount based on project levels across the Southern region	44
	3.15	Summary	46
4	СНАР	TER 4: INFRASTRUCTURE AND EQUIPMENT CREATED UNDER DST- FIST GRANT	47
	4.1	Various Department Level Infrastructural Facilities in FIST Supported Institutions	48
	4.2	Institutional level infrastructural facilities in FIST supported institutions	49
	2	4.2.1 Academic status wise Infrastructural facilities in FIST supported institutions.	50
	2	4.2.2 Institutional level infrastructural facilities based on theacademic status	51
	4	2.3 Infrastructural	52
	2	4.2.4 Institutional level Infrastructural facilities based on the financial autonomy of the organization	53
	2	4.2.5 Infrastructural facilities based on project levels in FIST supported institutions.	54
	2	2.2.6 Institutional level Infrastructural facilities based on project level	55
	2	k.2.7 State wise distribution of Infrastructural facilities in FIST supported institutions	55
	4.3 A	Availability of classrooms in FIST supported department/institutions.	56
		Availability of smart classrooms in FIST supported lepartment/institutions.	57
	4.4	Availability of classrooms based on academic status of institutions	58

	4.4.2 Availability of Smart Classrooms based on academic status of institution	58
	4.5 Expenditure on Infrastructure created under FIST	59
	4.6 Status of equipment procured under DST-FIST support.	61
	4.7 Cost wise distribution of equipment and its current status	62
	4.8 Gap between Purchase and Installation of Equipment	63
	4.9 Average gap between year of sanction and purchase of equipment	64
	4.10 Utilization of equipment	64
	4.11 Percent Utilization of Equipment	65
	4.12 Distribution of equipment costing more than Rs. 1 crore	66
	4.13 Current Status of Equipment across Southern Region	66
	4.14 Most Repeated Equipment and Its Frequency in Southern States of India	67
	4.15 Summary	69
5	CHAPTER 5: IMPACT ON WORKING ENVIRONMENT, CAPACITY BUILDING & COLLABORATION	70
	5.1 Impact on Working Environment	71
	5.2 Capacity Building and other Contributions	74
	5.3 Impact on Working Environment due to FIST support	76
	5.4 Impediments of DST-FIST support that prevented improvement of Working environment	78
6	CHAPTER 6: IMPACT ON ACADEMIC AND RESEARCH PERFORMANCE	81
	6.1 Impact on Manpower	82
	6.11 Improvement	82
	6.12 Improvement in manpower based on academic status of institution	83
	6.13 Improvement in manpower based on project levels	85
	6.2 Impact on Volume and Quality of Academic Program	86
	621 Impact on sanctioned seats in various courses across FIST supported institutions	87
	6.22 Impact on overall admission in various courses across FIST supported institutions	87
	623 Student Performance across the FIST supported institutions	88
	624 Students passing with Grade A or First Division	89
	625 Improvement	90
	6.3 Impact on Volume and Quality of Research outcome	91
	6.3.1 Trend in research funding and output	93

	6.4 Impact on volume and quality of Award and Recognition	95
	6.5 Summary	97
7	CHAPTER 7: PRACTICES ADOPTED FOR IMPLEMENTATION AND MONITORING	98
	7.1 Level of Satisfaction in Administrative Process	99
	7.2 Best Practices	100
	7.2.1 Procurement of equipment	100
	7.2.2 Utilization of Infrastructure and Services	102
	7.2.3 Maintenance of Infrastructure	104
	7.2.4 Utilization of funds	106
	7.2.5 Administrative support	108
	7.3 Summary	111
8	CHAPTER 8: SUCCESS STORIES AND IMPEDIMENTS	112-128
9	CHAPTER 9: CONCLUSION AND SUGGESTIONS	129-136
10	BIBLIOGRAPHY	
11	ANNEXURES	