



Project on Evaluation of Impact of DST-FIST Program

PURPOSE AND CONSENT:

We are visiting your organization on behalf of Department of Science and Technology, Govt. of India. The aim of this exercise is to collect information pertaining to DST-FIST program provided for strengthening S&T infrastructure facilities to your organization. The findings of this study will be utilized by DST for further planning and improvement of the scheme.

An introductory letter has been issued by DST for this purpose and I am happy to present the same for your consideration. This information will remain confidential and will be used only for research and development purpose by DST, Government of India.

..... Signature of survey field Investigator Signature of Respondent
..... Name of survey field Investigator Name of Respondent

IDENTIFICATION

Principal of the college/Head of the Department/Project Coordinator

Name: Rev Dr Xavier Arockiasamy		Designation: Principal
Gender (M-1/F-2):	Male - 1	Cell No: +91- 9486781270
Age (Yrs): 52		Email: arockxavi66@gmail.com

FIST SUPPORT SUMMARY

Project Code: SR / FIST / College 214 / 2014(C) dated June 16th, 2015	Duration of support: 2015 - 2018
Amount sanctioned: 100 Lakhs	Amount Utilized: 98.5 Lakhs

Survey Field Investigators Details	
Name:	Investigator Code:
Start Date:	End Date:
Signature of survey field Investigator	

Information and instructions about questionnaire

- i. This question aims to evaluate the Impact of DST-FIST Program. The first page contains identification of respondent, interviewer and FIST project. The subsequent questionnaire has been divided into following nine sections. Each section is devoted to specific areas and questions within the sections are mostly structured, however some questions are open ended.
 - A) General Information
 - B) Infrastructure and equipment
 - C) Impact on working environment
 - D) Impact on volume and quality of academic program
 - E) Impact on volume and quality of research
 - F) Awards and recognitions
 - G) Capacity building and other contributions
 - H) Best practices
 - I) Overall impact of DST-FIST program.
- ii. Primary respondent for this questionnaire may be Principal of college, Head of the Department or Project Coordinator of corresponding FIST assistance. In the absence of above, the present person in-charge of project or Head of Department/Institution may be contacted and appropriate respondent may be decided in consultation with above authorities.
- iii. The details of interviewer, starting and ending time of interview should clearly be recorded. In cases where respondent is busy and cannot spare time to provide full information in one go, the interviewer could split the interview in more than one session as per convenience of the respondent. However, the interviewer should complete the task within the time frame allotted for that unit.
- iv. In case of any difficulty during the field operation activity, survey field investigator may contact the corresponding regional coordinators and regional coordinators may contact the following:

Dr. A.N. Rai
Sc-G, Advisor
 CHORD-NSTMIS Division,
 Department of Science & Technology,
 Technology Bhavan,
 New Delhi-110016
 Phone: 011-26590267
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Prof. C. M. Pandey
Chief Coordinator
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 Raebareli Road, Lucknow-226014
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SECTION 1: GENERAL INFORMATION: (about your College/Department/School/ Centre receiving FIST grant)		
S. No.	Descriptions	Please write or tick in the box as applicable
1.1	Region Name and Code	Tiruchirappalli Region Code:
1.2	Name of University/Institute/College*	St. Joseph's College (Autonomous)
1.2a	*Affiliating University in case of college	Bharathidasan University
1.3	Address for correspondence	Principal, St. Joseph's College (Autonomous), Tiruchirappalli 620002 Tamil Nadu, India e-mail: College@mail.sjctni.edu
1.4	State	Tamil Nadu
About Department		
1.5	Name of the Dept./ School/ Centre	Chemistry
1.6	Year of establishment of Department/School/Centre	1906
1.7	Address for correspondence	Head, Dept of Chemistry, St. Joseph's College (Autonomous), Tiruchirappalli 620002 Tamil Nadu, India
1.8	Year of commencement of PG program in the department (yyyy)	1960
1.9	Year of commencement of Ph.D. program in the department (yyyy)	1966
1.10	No. of FIST Grant Received	2 Grants In 2009 for the Department of Chemistry In 2015 for the College
1.11	Details of other FIST Grant received by the department - CHEMISTRY	1. Year: 2009 Amount: Rs. 40 lakhs Project, completed
		2. Year: 2014 Amount: Rs 8,46,179.00
		3. Year: 2018 Amount: No grant, received
1.12	Academic status: Central/State/Private	Autonomous and Government Aided Institution
1.13	Financial Status of Organization	State Government Others Specify.....

About FIST project		
1.14	Title of the FIST Project (Same as 1.5)	DST-FIST
1.15	Project Code	SR / FIST / College-214 / 2014(C) dated 16th June 2015
1.16	Project level (Please \surd)	'Zero' Level
1.17	Year of Sanction of FIST GRANT (yyyy) as per sanction order	16 June 2015
1.18	Total amount sanctioned under FIST (in Rs. lakhs) as per sanction order	Rs. 100 Lakhs
1.19	Total amount received (in Rs. Lakh)	Rs. 89.5 Lakhs
1.20	Number of Installment	1st Instalment: Rs. 89.5 Lakhs 2nd Instalment: 10.5 Lakhs (to be released)
About Principal/ HOD/ Project Coordinator		
1.21	Name of Project Coordinator at the time of first FIST GRANT	Dr V Alex Ramani
1.22	Current status of Project Coordinator	Working Superannuated Join other Inst. Any other
1.23	Designation of Project Coordinator (N.A. if project closed)	Associate Professor
1.24	Telephone with STD code of Project Coordinator	Telephone: 0431-2700320 / 4226436 Mobile: 09443530618
1.25	Fax with STD code of Project Coordinator	
1.26	Email ID of Project Coordinator	alexramaniv@gmail.com alexramani_ch1@mail.sjctni.edu
1.27	Website of College/Dept./School/Centre	www. sjctni.edu

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Qre No.

DEPARTMENT OF BOTANY

About Infrastructure		
1.28	Do you have departmental library?	Yes
1.29	Do you have internet facility for? A) All faculty/ Scientist B) Research students/ staff C) Library D) Office/Administration	Yes Yes Yes Yes Yes
1.30	Is your admission computerized	Yes
1.31	Is your examination system computerized	Yes
1.32	Do you have computational facilities	Yes
1.33	Do you have separate Biological research Labs	Yes
1.34	Do you have separate Chemical research Labs	Yes
1.35	Do you have separate Physical research Labs	Yes
1.36	Do you have any other Labs (specify)	ACIC - Archbishop Casimir Instrumentation Centre
1.37	How many class room / Lecture theatre do you have in the College/Dept./School/Centre	5 Class Rooms with LCD facility in the Department of Botany
1.38	How many smart class rooms / Lecture theatre in the College/Dept./School/Centre	No
1.39	Does your organization have placement cell?	Yes
1.40	Does your organization have IPR Cell	Yes
1.41	Does your organization have Incubation Center	Yes
1.42	Do you have Lab safety guidelines	Yes

SECTION 2: INFRASTRUCTURE AND EQUIPMENT CREATED UNDER FIST

S. No.	Descriptions	Amount (in Rs)
2.1	Procurement of equipment	8,46,179.00
2.2	Procurement of Library books	No funding for Botany in 2014 – FIST
2.3	Establishment of Internet and communication facility	No funding for Botany in 2014 – FIST
2.4	Renovation of labs	No funding for Botany in 2014 – FIST
2.5	Air conditioning of working space	No funding for Botany in 2014 – FIST
2.6	Repair and maintenance of existing equipment	No funding for Botany in 2014 – FIST
2.7	Any other works	No funding for Botany in 2014 – FIST

2.8 Procurement of Equipment*

S. No.	Name of Equipment	Date of purchase	Date of installation	Cost in Rs.	Working	Not-Working
	Weighing Balance – Shmadzu ATY224 3 No	12.09. 2015	16.09.2015	1,71,990.00	Working	
	UV-VIS Spectrometer – ANUV 7000M UVA 1 No	12.09.2015	16.09.2015	3,70,125.00	Working	
	Clinical Centrifuge 5 No	12.09.2015	31.12.2015	30,993.00	Working	
	Binocular Microscope – Olympus CH 201 18 No	12.09.2015	16.09.2015	5,58,900.00	Working	

* Add separate sheet if needed

2.9 Utilization of Equipment*							
S. No.	Name of Equipment	No. of Internal User/week	No. of External User/week	Percent Utilized	Funds generated	AMC	No AMC
	Weighing Balance – Shmadzu ATY224 (3 Nos)	80 III UG PG & Scholars	-	80	Nil	-	No AMC
	UV-VIS Spectrometer – ANUV 7000M UVA (1 No)	40 PG, & Scholars	-	100	Nil	-	No AMC
	Clinical Centrifuge (5 Nos)	80 III UG & PG	-	80	Nil	-	No AMC
	Binocular Microscope – Olympus CH 201 (18 Nos)	120 UG, PG & Scholars	-	100	Nil	-	No AMC

*Note: Add separate sheet if needed

SECTION 3: IMPACT ON WORKING ENVIRONMENT

Kindly give your candid opinion on the following points on a five point scale. You may choose one of the five options.

S.No.	Please grade the following items in your College /Dept./School/ Centre	After DST-FIST support				
		Decrease	Can't say	No change	Improved	Significantly improved
3.1	Cleanliness					√
3.2	Room temperature, Light and ventilation.					√
3.3	Sufficient Working Space					√
3.4	Communication: Internet, Telephone, etc.				√	
3.5	Personnel Development Opportunities				√	
3.6	Administrative and Office Support				√	
3.7	Motivation for innovation				√	

3.8. Please mention three important factors which contributed towards improvement of the working environment of your College/Department/School/Centre due to DST-FIST support.

1. Practical skills of the students enhanced
2. Students learn to handle some of the analytical instruments
3. Research aptitudes of students enhanced

3.9. Mention three important impediments of DST-FIST support that prevented your College/Department/School/Centre in improving the working environment .

1. Financial support for repairing of Instruments to be enhanced
2. Funding for Training the staff on effective handling of certain high-end Instruments
3. Lack of financial support for immediate replacement of damaged parts / instruments.

SECTION 4: IMPACT ON VOLUME AND QUALITY OF ACADEMIC PROGRAM

It is presumed that DST-FIST program might have impacted the academic programs in terms of quantity and quality.

VOLUME OF MANPOWER			
S. No.	Provide the number of man power	Before FIST	After FIST
4.1	How many faculty were/are working in your College/Dept/School/Centre? Lecturer / Assistant Professor Associate Professor/ Reader Professor	05 07 -	05 07 -
4.2	How many DST sponsored Scientist/ research professional were/are working in your College/Dept/School/Centre? A. Scientists B. Other research staff	- -	- -
4.3	How many Tech/Admin staffs are/were working in your College/Dept/School/Centre? A. Technical Staff B. Administrative Staff	05 02	05 02

ADMISSION DETAILS							
S.No. 4.4 4.5	Department	Courses	Sanctioned Strength	Students admitted			
				before FIST support	after FIST support		
				2014-15	2015-16	2016-17	2017-18
	Botany	B.Sc.	45	40	49	46	50
		M.Sc.	16	16	18	19	20
		M. Phil.	12	03	03	Nil	1
		Ph.D.	72	12	02	04	04
		Dipolma	-	-			

EXAMINATION-PASSING DETAILS										
S.No. 4.6 4.7	Department	Courses	Students Passed in Exams				Students Passed in 'A' grade			
			before FIST	after FIST			before FIST	after FIST		
			2014	15-16	16-17	17-18	2014	15-16	16-17	17-18
	Botany	B.Sc.	15	38	40	38	12	32	35	32
		M.Sc.	16	15	16	14	14	13	14	11
		M. Phil.	3	-	-	-	3	-	-	-
		Ph.D.	1	2	1	2	1	2	1	2
		Dipolma	-							

S.No. 4.8	Department	Type of Examinations	Students Passed in Competitive Exams	
			before FIST 2014	after FIST 2015-2018
	Botany	NET	01	03
		SET	-	01
		GATE	-	-
		Others TNPSC	-	02

TRAINING ATTENDED				
S.No. 4.9	Department	Courses	Students, Attended the Training	
			before FIST	after FIST
	Botany	B.Sc. Mushroom cultivation	60	90
		M.Sc. Landscape Designing	08	36
		M. Phil.	-	-
		Ph.D. Molecular Techniques	-	4

SECTION 5: IMPACT ON VOLUME AND QUALITY OF RESEARCH

S. No.	Number of research publication from your College/Dept./School/Centre.	Before FIST	After FIST
5.1	Books	3	5
	Books Chapters	3	5
	Original articles	53	87
	Review articles	2	5
	Case reports / Editorial Notes		
	Articles in Conference Proceedings	40	92
	Paper presentation In Conference	120	180
	Monographs		
	Any Other – Gen-Bank Submission	10	24

	Grade the following items on five point scale	After DST– FIST Support				
		Decrease	Can't say	No change	Increase	Significant Increase
5.2	Trend of Intramural grant received (excluding FIST)				√	
5.3	Trend of Extramural grant received (excluding FIST)				√	
5.4	Trend in patents filed by your organization.			√		
5.5	Commercialization of technology by your organization		√			
5.6	Product and process developed by your organization.		√			

	Quality of Research	Decrease	Can't say	No change	Increase	Significant Increase
5.7	Papers published in SCI/SCIE Journals.				√	
5.8	Trend in Impact Factor of Published articles.				√	
5.9	Trend in average citation index of published articles.				√	
5.10	Consultancy		√			
5.11	Extension work/interaction with industries?		√			

SECTION 6: AWARDS AND RECOGNITIONS

S. No.	Items	Before FIST	After FIST
6.1*	Kindly provide us the information about Awards received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Awards	1	1
	b. National Awards	2	--
6.2*	Kindly provide us the information about recognition received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Recognition		
	b. National Recognition – <i>Star College Status & Special Heritage Status</i>	--	2
6.3*	Kindly provide us the information about fellowships received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Fellowship		
	b. National Fellowship - SERB	1	2
6.4*	Provide information about collaborations established by your department		
	a. International Collaboration		
	b. National Collaboration	1	4
6.5*	Provide information about any academic certification		
	a. International Certification		
	b. National Certification		
6.6*	Faculty exchange program		
	a. International Collaboration		
	b. National Collaboration		

*Write details of award, recognition, fellowship and collaborations on a separate sheet. Page 11

SECTION 7: CAPACITY BUILDING AND OTHER CONTRIBUTIONS

S. No.	Kindly provide number of the activities of capacity building and knowledge sharing by your organization	Before FIST	After FIST
7.1	a. National Seminars / Conferences	2	4
	b. Internatonal Seminars / Conferences	1	1
	c. Workshops	5	12
	d. Short-Term Training for Scientist up-gradation	--	2
	e. Faculty Development Program	2	1
	f. Management Development Program		
	g. Upgradation of Technical Staff – <i>Lab Skills</i>	--	--
	h. Others - <i>Short-Term Training on Computer Skills for UG Industrial Visit</i>	--	--

Confidential: Only for research and assessment

Qre No.

DEPARTMENT OF CHEMISTRY

About Infrastructure		
1.28	Do you have departmental library?	Yes
1.29	Do you have internet facility for? E) All faculty/ Scientist F) Research students/ staff G) Library H) Office/Administration	Yes Yes Yes Yes
1.30	Is your admission computerized	Yes
1.31	Is your examination system computerized	Yes
1.32	Do you have computational facilities	Yes
1.33	Do you have separate Biological research Labs	Yes
1.34	Do you have separate Chemical research Labs	Yes
1.35	Do you have separate Physical research Labs	Yes
1.36	Do you have any other Labs (specify)	ACIC - Archbishop Casimir Instrumentation Centre
1.37	How many class room / Lecture theatre do you have in the College/Dept./School/Centre	2 Gallery Halls with AV facility in the Department of Chemistry
1.38	How many smart class rooms / Lecture theatre in the College/Dept./School/Centre	1 Smart Class Room
1.39	Does your organization have placement cell?	Yes
1.40	Does your organization have IPR Cell	Yes
1.41	Does your organization have Incubation Center	No
1.42	Do you have Lab safety guidelines	Yes

SECTION 2: INFRASTRUCTURE AND EQUIPMENT CREATED UNDER FIST

S. No.	Descriptions	Amount (in Rs)
2.1	Procurement of equipment	8,46,179.00
2.2	Procurement of Library books	No funding for Chemistry in 2014 – FIST
2.3	Establishment of Internet and communication facility	No funding for Chemistry in 2014 – FIST
2.4	Renovation of labs	No funding for Chemistry in 2014 – FIST
2.5	Air conditioning of working space	No funding for Chemistry in 2014 – FIST
2.6	Repair and maintenance of existing equipment	No funding for Chemistry in 2014 – FIST
2.7	Any other works	No funding for Chemistry in 2014 – FIST

2.8 Procurement of Equipment*						
S. No.	Name of Equipment	Date of purchase	Date of installation	Cost in Rs.	Working	Not-Working
1	Oven Universal Super Delux Lts 224 1 No. NSW Size-Inside-Chamber Stainless Steel (Model:OSS-5) WxDxH 605x605x605MM	12/09/15	24/11/15	84,990.00	Working	
2	Oven Universal Super Delux Lts 95 1 No. NSW Size-Inside-Chamber Stainless Steel (Model:OSS-3) WxDxH 455x455x455MM	12/09/15	24/11/15	59,667.00	Working	
3	High Temperature Furnace 2 No. NSW Size-Inside-Chamber Stainless Steel (Model:THF-2) WxDxH 255x255x255MM 3.0kw	12/09/15	24/11/15	1,73,576.00	Working	
4	Centrifuge Machine 12 No. Hand Operated for 4 tubes- Aluminium Metal Body and Head Ball Bearing Heavy	12/09/15	24/11/15	13,740.00	Working	

* Add seperate sheet if needed

S. No.	Name of Equipment	Date of purchase	Date of installation	Cost in Rs.	Working	Not-Working
5	Digi Melt Digital Melting Point Apparatus MPA-161 Type:4 Digit LED WxHxD 6.5x9.5x5.3 2 No.	12/09/15	24/11/15	1,84,244.00	Working	
6	Floor Model Fume Hood Size 3'(i)x2(W)x8(H) Bed size: 1400x700mm Motor 1HP 3 phase / Kirlosker RPM-1380 Temp 18-60C / Pressure 2.5WG 1 No.	12/09/15	24/11/15	96,117.00	Working	
7	Wighing Balance ATY-224 Shimazu 3 No.	12/09/15	16/09/15	1,71,990.00	working	
8	Clinical Centrifuge Machine 10 No.	12/09/15	31/12/15	61,845.00	Working	

S. No.	Name of Equipment	Date of purchase	Date of installation	Cost in Rs.	Working	Not-Working
1	Scanning Electron Microscope CARL ZEISS – EVO 18 – MA 15 SEM	31/10/15		60,16,137.00	Working	

2.9 Utilization of Equipment*

S. No.	Name of Equipment	No. of Internal User/week	No. of External User/week	Percent Utilized	Funds generated	Maintenance AMC / No AMC
1	Oven Universal Super Delux Lts 224 NSW Size-Inside-Chamber Stainless Steel (Model:OSS-5) WxDxH 605x605x605MM 1 No.	88 III Bsc students	--	100 percent	--	No AMC
2	Oven Universal Super Delux Lts 95 NSW Size-Inside-Chamber Stainless Steel (Model:OSS-3) WxDxH 455x455x455MM 1 No.	52 II Msc students	--	100 percent	--	No AMC

*Note: Add separate sheet if needed

S. No.	Name of Equipment	No. of Internal User/week	No. of External User/week	Percent Utilized	Funds generated	Maintenance AMC / No AMC
3	High Temperature Furnace 2 No. NSW Size-Inside-Chamber Stainless Steel (Model:THF-2) WxDxH 255x255x255MM 3.0kw	140 III B Sc & II M Sc students	--	30 percent	--	No AMC
4	Centrifuge Machine 12 No. Hand Operated for 4 tubes- Aluminium Metal Body and Head Ball Bearing Heavy	96 I B Sc students	--	100 percent	--	No AMC
5	Digi Melt 2 No. Digital Melting Point Apparatus MPA-161 Type:4 Digit LED WxHxD 6.5x9.5x5.3	100 M Sc Students	--	100 percent		No AMC
6	Floor Model Fume Hood 1 No. Size 3'(i)x2(W)x8(H) Bed size: 1400x700mm Motor 1HP 3 phase / Kirlosker RPM-1380 Temp 18-60C / Pressure 2.5WG	182 I & III B Sc students	--	25 percent	--	No AMC
7	Wighing Balance 3 No. ATY-224 Shimazu	350 B.Sc & M.Sc students	--	100 percent	--	No AMC
8	Clinical Centrifuge Machine 10 No.	96 I B Sc students	--	100 percent	--	No AMC

S. No.	Name of Equipment	Year	No. of Internal User/year	No. of External User/year	Percent Utilized	Funds generated (Rupees)	Main-tenance AMC / No AMC
1	Scanning Electron Microscope CARL ZEISS – EVO 18 – MA 15 SEM	2016-17	97	255	100%	1,51,750	No AMC
		2017-18	55	320	100%	1,73,750	No AMC
	Total		152	575		3,25,500	

SECTION 3: IMPACT ON WORKING ENVIRONMENT

Kindly give your candid opinion on the following points on a five point scale. You may choose one of the five options.

S.No.	Please grade the following items in your College /Dept./School/ Centre	After DST-FIST support				
		Decrease	Can't say	No change	Improved	Significantly improved
3.1	Cleanliness					√
3.2	Room temperature, Light and ventilation.					√
3.3	Sufficient Working Space					√
3.4	Communication: Internet, Telephone, etc.				√	
3.5	Personnel Development Opportunities				√	
3.6	Administrative and Office Support				√	
3.7	Motivation for innovation				√	

3.8. Please mention three important factors which contributed towards improvement of the working environment of your College/Department/School/Centre due to DST-FIST support.

1. Practical skills of the students, enhanced
2. Students become familiar with the handling of some of the analytical instruments
3. Research and Analytical aptitudes of students, enhanced

3.9. Mention three important impediments of DST-FIST support that prevented your College/Department/School/Centre in improving the working environment .

1. Financial support for repairing of Instruments to be enhanced
2. Funding for Training the staff on effective handling of certain high-end instruments

SECTION 4: IMPACT ON VOLUME AND QUALITY OF ACADEMIC PROGRAM

It is presumed that DST-FIST program might have impacted the academic programs in terms of quantity and quality.

VOLUME OF MANPOWER			
S. No.	Provide the number of man power	Before FIST 2014	After FIST 2015 - 18
4.1	How many faculty were/are working in your College/Dept/School/Centre? Lecturer / Assistant Professor Associate Professor/ Reader Professor	12 08	09 10
4.2	How many DST sponsored Scientist/ research professional were/are working in your College/Dept/School/Centre? A. Scientists B. Other research staff	--	--
4.3	How many Tech/Admin staffs are/were working in your College/Dept/School/Centre? A. Technical Staff B. Administrative Staff	08	09

ADMISSION DETAILS							
S.No.	Department	Courses	Sanctioned Strength	Students admitted			
				before FIST support	after FIST support		
				2014	2015-16	2016-17	2017-18
4.4	Chemistry	B.Sc.	375	288	323	310	288
4.5		M.Sc.	112	102	88	100	107
		M. Phil.	24	13	12	15	18
		Ph.D.	80	64	51	52	48
		Dipolma	--	--	--	--	--

EXAMINATION-PASSING DETAILS										
S.No. 4.6 4.7	Department	Courses	Students Passed in Exams				Students Passed in 'A' grade			
			before FIST	after FIST			before FIST	after FIST		
			2014	15-16	16-17	17-18	2014	15-16	16-17	17-18
	Chemistry	B.Sc.	38	70	82	76	24	45	69	60
		M.Sc. S-1	28	19	25	25	28	19	25	25
		M.Sc. S-2	17	17	19	18	17	19	18	27
		M. Phil.	13	12	15	18	13	12	15	18
		Ph.D.	7	12	5	5	--	--	--	--
		Dipolma	--	--	--	--	--	--	--	--

S.No. 4.8	Department	Type of Examinations	Students Passed in Competitive Exams	
			before FIST 2014	after FIST 2015 – 18
	Chemistry	NET	2	4
		SET	--	--
		GATE	2	1
		Others	1	5

TRAINING ATTENDED				
S.No. 4.9	Department	Courses	Students, Attended the Training	
			before FIST 2014	after FIST 2015 – 18
	Chemistry	B.Sc.	1	2
		M.Sc.	2	2
		M. Phil.	--	--
		Ph.D.	--	--

SECTION 5: IMPACT ON VOLUME AND QUALITY OF RESEARCH

S.No.	Number of research publication from your College/Dept./School/Centre.	Before FIST	After FIST
5.1	a. Books	2	--
	b. Books' Chapters		
	c. Original Articles – Research Papers	38	45
	d. Review Articles		
	e. Case Reports / Editorial Notes		
	f. Articles in Conference Proceedings	7	14
	g. Paper presentation in Conferences	7	14
	h. Monographs - Theses	7	22
	i. Any other		

	Grade the following items on five point scale	After DST– FIST Support				
		Decrease	Can't say	No change	Increase	Significant Increase
5.2	Trend of Intramural grant received (excluding FIST)				√	
5.3	Trend of Extramural grant received (excluding FIST)				√	
5.4	Trend in patents filed by your organization.			√		
5.5	Commercialization of technology by your organization		√			
5.6	Product and process developed by your organization.		√			
5.7	Papers published in SCI/SCIE Journals.				√	
5.8	Trend in Impact Factor of Published articles.				√	
5.9	Trend in average citation index of published articles.				√	
5.10	Consultancy		√			
5.11	Extension work/interaction with industries?		√			

SECTION 6: AWARDS AND RECOGNITIONS

S. No.	Items	Before FIST	After FIST
6.1*	Kindly provide us the information about Awards received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Awards		
	b. National Awards	1	4
6.2*	Kindly provide us the information about recognition received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Recognition		
	b. National Recognition – <i>Star College Status & Special Heritage Status</i>	--	2
6.3*	Kindly provide us the information about fellowships received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Fellowship		
	b. National Fellowship		
6.4*	Provide information about collaborations established by your department		
	a. International Collaboration		
	b. National Collaboration		
6.5*	Provide information about any academic certification		
	a. International Certification		
	b. National Certification		
6.6*	Faculty exchange program		
	a. International Collaboration		
	b. National Collaboration		

***Write details of award, recognition, fellowship and collaborations on a separate sheet.**

SECTION 7: CAPACITY BUILDING AND OTHER CONTRIBUTIONS

S. No.	Kindly provide number of the activities of capacity building and knowledge sharing by your organization	Before FIST	After FIST
7.1	a. National Seminars / Conferences	--	3
	b. International Seminars / Conferences		
	c. Workshops	1	2
	d. Short-Term Training for Scientist up-gradation		
	e. Faculty Development Program		
	f. Management Development Program		
	g. Upgradation of Technical Staff – <i>Lab Skills</i>	--	1
	h. Others - <i>Short-Term Training on Computer Skills for UG</i> <i>Industrial Visit</i>	--	1+1

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Qre No.

DEPARTMENT OF COMPUTER SCIENCE

SECTION 2: INFRASTRUCTURE AND EQUIPMENT CREATED UNDER FIST

S. No.	Descriptions	Amount (in Rs)
2.1	Procurement of equipment	Rs.6,69,733
2.2	Procurement of Library books	Rs.1,20,000
2.3	Establishment of Internet and communication facility	Rs.75,000
2.4	Renovation of labs	Rs.1,00,000
2.5	Air conditioning of working space	-
2.6	Repair and maintenance of existing equipment	Rs.1,00,000
2.7	Any other works	LCD Projector(1)- Rs.40,000 Software Packages-Rs.1,00,000

2.8 Procurement of Equipment*

S. No.	Name of Equipment	Date of purchase	Date of installation	Cost in Rs.	Working	Not-Working
01	Tower Server-1 x intel Xenon E5-2620 2 GHz			Rs.1,15,790	Working	--
02	Desktop System: HP Pro 3330 Microtower PC			Rs.5,36,940	Working	--
03	HP LaserJet Pro M1213nf Multifunction printer(CE845A)			Rs.16,994	Working	--

* Add separate sheet if needed

2.9 Utilization of Equipment*

S. No.	Name of Equipment	No. of Internal User/week	No. of External User/week	Percent Utilized	Funds generated	AMC	No AMC
1	Tower Server-1 x intel Xenon E5-2620 2 GHz	475	475	80%	--	--	--
2	Desktop System: HP Po 3330 Microtower PC				--	--	--
3	HP LaserJet Pro M1213nf Multifunction printer(CE845A)		-	50%	-	-	-

*Note: Add separate sheet if needed

SECTION 3: IMPACT ON WORKING ENVIRONMENT

Kindly give your candid opinion on the following points on a five point scale. You may choose one of the five options.

S.No.	Please grade the following items in your College/Dept./School/ Centre	After DST-FIST support				
		Decrease	Can't say	No change	Improved	Significantly improved
3.1	Cleanliness					√
3.2	Room temperature, Light and ventilation.					√
3.3	Sufficient Working Space					√
3.4	Communication: Internet, Telephone, etc.				√	
3.5	Personnel Development Opportunities				√	
3.6	Administrative and Office Support				√	
3.7	Motivation for innovation				√	

3.8. Please mention three important factors which contributed towards improvement of the working environment of your College/Department/School/Centre due to DST-FIST support.

1. Infrastructure
2. Academic Development

3.9. Mention three important impediments of DST-FIST support that prevented your College/Department/School/Centre in improving the working environment .

NIL

SECTION 4: IMPACT ON VOLUME AND QUALITY OF ACADEMIC PROGRAM

It is presumed that DST-FIST program might have impacted the academic programs in terms of quantity and quality.

VOLUME OF MANPOWER			
S. No.	Provide the number of man power	Before FIST 2014	After FIST 2015 - 18
4.1	How many faculty were/are working in your College/Dept/School/Centre? Lecturer / Assistant Professor Associate Professor/ Reader Professor	26	24
4.2	How many DST sponsored Scientist/ research professional were/are working in your College/Dept/School/Centre? A. Scientists B. Other research staff	--	--
4.3	How many Tech/Admin staffs are/were working in your College/Dept/School/Centre? A. Technical Staff B. Administrative Staff	2 2	2 1

ADMISSION DETAILS							
S.No. 4.4 4.5	Department	Courses	Sanctioned Strength	Students admitted			
				before FIST support	after FIST support		
				2014	2015-16	2016-17	2017-18
	Computer Science	B.Sc.	180	180	S(I)-59 S(II)-108	S(I)-182 S(II)-298	S(I)-173 S(II)-340
		M.C.A.	45	119	S(I)-56	S(I)-101 S(II)-38	S(I)-194 S(II)-0
		M. Phil.	20	49	42	42	21
		Ph.D.	--	24	10	32	32
		Diploma	--	--	--	--	--

EXAMINATION-PASSING DETAILS										
S.No. 4.6 4.7	Department	Courses	Students Passed in Exams				Students Passed in 'A' grade			
			before FIST	after FIST			before FIST	after FIST		
				2014	15-16	16-17		17-18	2014	15-16
	Computer Science	B.Sc. S-1	54	46	54	45	53	32	43	24
		B.Sc. S-2	39	49	74	65	39	26	53	38
		MCA S-1	47	49	45	62	47	49	45	62
		MCA S-2	20	38	--	--	20	38	--	--
		M. Phil.	--	--	--	--	--	--	--	--
		Ph.D.	--	--	--	--	--	--	--	--
		Dipolma	--	--	--	--	--	--	--	--

S.No. 4.8	Department	Type of Examinations	Students Passed in Competitive Exams	
			before FIST	after FIST
	Computer Science	NET 2015–2018	-	1
		SET 2015–2018	-	4
		GATE 2015–2018	-	-
		Others 2015–2018	-	-

TRAINING ATTENDED						
S.No. 4.9	Department	Courses	Students, Attended the Training			
			before FIST	after FIST		
				2014-15	2015-16	2016-17
	Computer Science	B.Sc.	5	9	3	4
		M.C.A.	7	11	8	6
		M. Phil.	--	5	--	--
		Ph.D.	--	5	1	--

SECTION 5: IMPACT ON VOLUME AND QUALITY OF RESEARCH

S. No.	Number of research publication from your College/Dept./School/Centre.	Before FIST 2014	After FIST 2015-2018
5.1	a. Books	2	5
	b. Books' Chapters	2	9
	c. Original Articles – Research Papers	35	--
	d. Review Articles	35	--
	e. Case Reports / Editorial Notes	--	2
	f. Articles in Conference Proceedings	12	18
	g. Paper presentation in Conferences	12	18
	h. Monographs - Theses		
	i. Any other		

	Grade the following items on five point scale	After DST– FIST Support				
		Decrease	Can't say	No change	Increase	Significant Increase
5.2	Trend of Intramural grant received (excluding FIST)				√	
5.3	Trend of Extramural grant received (excluding FIST)				√	
5.4	Trend in patents filed by your organization.			√		
5.5	Commercialization of technology by your organization		√			
5.6	Product and process developed by your organization.		√			
5.7	Papers published in SCI/SCIE Journals.				√	
5.8	Trend in Impact Factor of Published articles.				√	
5.9	Trend in average citation index of published articles.				√	
5.10	Consultancy		√			
5.11	Extension work/interaction with industries?		√			

SECTION 6: AWARDS AND RECOGNITIONS

S. No.	Items	Before FIST	After FIST
6.1*	Kindly provide us the information about Awards received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Awards	--	5
	b. National Awards	1	2
6.2*	Kindly provide us the information about recognition received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Recognition		1
	b. National Recognition – <i>Star College Status & Special Heritage Status</i>	1	2
6.3*	Kindly provide us the information about fellowships received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Fellowship		
	b. National Fellowship		
6.4*	Provide information about collaborations established by your department		
	a. International Collaboration		
	b. National Collaboration		
6.5*	Provide information about any academic certification		
	a. International Certification		
	b. National Certification		
6.6*	Faculty exchange program		
	a. International Collaboration		
	b. National Collaboration	1	--

***Write details of award, recognition, fellowship and collaborations on a separate sheet.**

SECTION 7: CAPACITY BUILDING AND OTHER CONTRIBUTIONS

S. No.	Kindly provide number of the activities of capacity building and knowledge sharing by your organization	Before FIST	After FIST
7.1	a. National Seminars / Conferences	11	5
	b. International Seminars / Conferences	30	9
	c. Workshops	13	5
	d. Short-Term Training for Scientist up-gradation		1
	e. Faculty Development Program		7
	f. Management Development Program		
	g. Upgradation of Technical Staff – <i>Lab Skills</i>	--	
	h. Others	--	

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Qre No.

DEPARTMENT OF MATHEMATICS

About Infrastructure		
1.28	Do you have departmental library?	Yes
1.29	Do you have internet facility for? I) All faculty/ Scientist J) Research students/ staff K) Library L) Office/Administration	Yes Yes Yes Yes
1.30	Is your admission computerized	Yes
1.31	Is your examination system computerized	Yes
1.32	Do you have computational facilities	Yes
1.33	Do you have separate Biological research Labs	Yes
1.34	Do you have separate Chemical research Labs	Yes
1.35	Do you have separate Physical research Labs	Yes
1.36	Do you have any other Labs (specify)	Mathematics Computer Lab
1.37	How many class room / Lecture theatre do you have in the College/Dept./School/Centre	-
1.38	How many smart class rooms / Lecture theatre in the College/Dept./School/Centre	-
1.39	Does your organization have placement cell?	Yes
1.40	Does your organization have IPR Cell	Yes
1.41	Does your organization have Incubation Center	No
1.42	Do you have Lab safety guidelines	Yes

SECTION 2: INFRASTRUCTURE AND EQUIPMENT CREATED UNDER FIST

S. No.	Descriptions	Amount (in Rs)
2.1	Procurement of equipment	
2.2	Procurement of Library books	List of Books Enclosed – Appendix I
2.3	Establishment of Internet and communication facility	-
2.4	Renovation of labs	-
2.5	Air conditioning of working space	-
2.6	Repair and maintenance of existing equipment	-
2.7	Any other works	-

2.8 Procurement of Equipment*

S. No.	Name of Equipment	Date of purchase	Date of installation	Cost in Rs.	Working	Not-Working

* Add separate sheet if needed

2.9 Utilization of Equipment*

S. No.	Name of Equipment	No. of Internal User/week	No. of External User/week	Percent Utilized	Funds generated	Maintenance AMC / No AMC

*Note: Add separate sheet if needed

SECTION 3: IMPACT ON WORKING ENVIRONMENT

Kindly give your candid opinion on the following points on a five point scale. You may choose one of the five options.

S.No.	Please grade the following items in your College/Dept./School/ Centre	After DST-FIST support				
		Decrease	Can't say	No change	Improved	Significantly improved
3.1	Cleanliness					√
3.2	Room temperature, Light and ventilation.					√
3.3	Sufficient Working Space					√
3.4	Communication: Internet, Telephone, etc.				√	
3.5	Personnel Development Opportunities				√	
3.6	Administrative and Office Support				√	
3.7	Motivation for innovation				√	

3.8. Please mention three important factors which contributed towards improvement of the working environment of your College/Department/School/Centre due to DST-FIST support.

1. Computer Lab Facility has been improved
2. No of Copies of Textbooks increased hence circulation of books also increased
3. Quality of Research Publications significantly improved

3.9. Mention three important impediments of DST-FIST support that prevented your College/Department/School/Centre in improving the working environment.

SECTION 4: IMPACT ON VOLUME AND QUALITY OF ACADEMIC PROGRAM

It is presumed that DST-FIST program might have impacted the academic programs in terms of quantity and quality.

VOLUME OF MANPOWER			
S. No.	Provide the number of man power	Before FIST	After FIST
4.1	How many faculty were/are working in your College/Dept/School/Centre? Lecturer / Assistant Professor Associate Professor/ Reader Professor	26	26
4.2	How many DST sponsored Scientist/ research professional were/are working in your College/Dept/School/Centre? A. Scientists B. Other research staff	NIL	NIL
4.3	How many Tech/Admin staffs are/were working in your College/Dept/School/Centre? A. Technical Staff B. Administrative Staff	NIL	NIL

ADMISSION DETAILS							
S.No.	Department	Courses	Sanctioned Strength	Students admitted			
				before FIST support	after FIST support		
4.4 4.5					2015-16	2016-17	2017-18
	Mathematics	B.Sc.	540	600	621	632	601
		M.Sc.	140	184	171	162	171
		M. Phil.	50	48	50	50	45
		Ph.D.					10

EXAMINATION-PASSING DETAILS										
S.No. 4.6 4.7	Department	Courses	Students Passed in Exams				Students Passed in 'A' grade			
			before FIST	after FIST			before FIST	after FIST		
				15-16	16-17	17-18		15-16	16-17	17-18
	Mathematics	B.Sc.	105	159	159	124	13	30	30	20
		M.Sc.	64	65	65	67	9	12	12	31
		M. Phil.	41	50	56	43	20	28	26	15
		Ph.D.	-	-	1	8				
		Dipolma								

S.No. 4.8	Department	Type of Examinations	Students Passed in Competitive Exams	
			before FIST	after FIST 2015 – 18
	Mathematics	NET	1	5
		SET	-	21
		GATE	-	-
		Others – JAM, TNPSC, etc.	-	4

TRAINING ATTENDED				
S.No. 4.9	Department	Courses	Students, Attended the Training	
			before FIST	after FIST 2015 – 18
	Mathematics	B.Sc.		
		M.Sc.		
		M. Phil.		
		Ph.D.		

SECTION 5: IMPACT ON VOLUME AND QUALITY OF RESEARCH

S. No.	Number of research publication from your College/Dept./School/Centre.	Before FIST	After FIST
5.1	a. Books	--	--
	b. Books' Chapters	--	--
	c. Original Articles – Research Papers	30	106
	d. Review Articles	--	--
	e. Case Reports / Editorial Notes	--	--
	f. Articles in Conference Proceedings	--	--
	g. Paper presentation in Conferences	3	8
	h. Monographs - Theses	--	13
	i. Any other	--	--

	Grade the following items on five point scale	After DST– FIST Support				
		Decrease	Can't say	No change	Increase	Significant Increase
5.2	Trend of Intramural grant received (excluding FIST)				√	
5.3	Trend of Extramural grant received (excluding FIST)				√	
5.4	Trend in patents filed by your organization.			√		
5.5	Commercialization of technology by your organization		√			
5.6	Product and process developed by your organization.		√			
5.7	Papers published in SCI/SCIE Journals.				√	
5.8	Trend in Impact Factor of Published articles.				√	
5.9	Trend in average citation index of published articles.				√	
5.10	Consultancy		√			
5.11	Extension work/interaction with industries?		√			

SECTION 6: AWARDS AND RECOGNITIONS

S. No.	Items	Before FIST	After FIST
6.1*	Kindly provide us the information about Awards received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Awards		
	b. National Awards		
6.2*	Kindly provide us the information about recognition received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Recognition		
	b. National Recognition – <i>CPE, Star College Status & Special Heritage Status</i>	1	2
6.3*	Kindly provide us the information about fellowships received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Fellowship		
	b. National Fellowship		1
6.4*	Provide information about collaborations established by your department		
	a. International Collaboration		
	b. National Collaboration		
6.5*	Provide information about any academic certification		
	a. International Certification		
	b. National Certification		
6.6*	Faculty exchange program		
	a. International Collaboration		
	b. National Collaboration	1	--

***Write details of award, recognition, fellowship and collaborations on a separate sheet.**

SECTION 7: CAPACITY BUILDING AND OTHER CONTRIBUTIONS

S. No.	Kindly provide number of the activities of capacity building and knowledge sharing by your organization	Before FIST	After FIST
7.1	a. National Seminars / Conferences		3
	b. International Seminars / Conferences		1
	c. Workshops		1
	d. Short-Term Training for Scientist up-gradation		
	e. Faculty Development Program		
	f. Management Development Program		
	g. Upgradation of Technical Staff – <i>Lab Skills</i>		
	h. Others		

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Qre No.

DEPARTMENT OF PHYSICS

About Infrastructure		
1.28	Do you have departmental library?	Yes
1.29	Do you have internet facility for? M) All faculty/ Scientist N) Research students/ staff O) Library P) Office/Administration	Yes Yes Yes Yes
1.30	Is your admission computerized	Yes
1.31	Is your examination system computerized	Yes
1.32	Do you have computational facilities	Yes
1.33	Do you have separate Biological research Labs	Yes (Entire College) NA (Physics)
1.34	Do you have separate Chemical research Labs	Yes (Entire College) NA (Physics)
1.35	Do you have separate Physical research Labs	Yes
1.36	Do you have any other Labs (specify)	ACIC (Archbishop Casimir Instrumentation Centre) (Entire College) Crystal Growth, Ultrasonic, Thin Films, Material Science, Luminescence, Embedded (Physics)
1.37	How many class room / Lecture theatre do you have in the College/Dept./School/Centre	04 – LCD Class Rooms
1.38	How many smart class rooms / Lecture theatre in the College/Dept./School/Centre	01 – Smart Class Room
1.39	Does your organization have placement cell?	Yes
1.40	Does your organization have IPR Cell	Yes
1.41	Does your organization have Incubation Center	Yes
1.42	Do you have Lab safety guidelines	Yes

SECTION 2: INFRASTRUCTURE AND EQUIPMENT CREATED UNDER FIST

S. No.	Descriptions	Amount (in Rs)
2.1	Procurement of equipment	Rs. 8200000 (Entire College)
2.2	Procurement of Library books	-
2.3	Establishment of Internet and communication facility	Rs. 700000 (Entire College)
2.4	Renovation of labs	Rs. 50000 (Entire College)
2.5	Air conditioning of working space	-
2.6	Repair and maintenance of existing equipment	-
2.7	Any other works	

2.8 Procurement of Equipment*						
S. No.	Name of Equipment	Date of purchase	Date of installation	Cost in Rs.	Working	Not Working
1	Dielectric Constant and Curie Temperature of Ferroelectric Ceramics DEC -01	18.08.2015	26.10.2015	25780.00	Working	
2	Dielectric Measurement Setup DEC – 600	18.08.2015	26.10.2015	48818.00	Working	
3	Magnetic Hysteresis Loop Tracer HLT – 111C with CRO	18.08.2015	26.10.2015	117246.00	Working	
4	Hall Effect Experiment HEX – 21C with USB Based Computer Interface Facility	18.08.2015	26.10.2015	144884.00	Working	
5	Millikan's Oil Drop Apparatus MOD - 01	18.08.2015	26.10.2015	74390.00	Working	
6	Zeeman Effect Experiment – SES Make Model: ZEX-01	18.08.2015	26.10.2015	124414.00	Working	
7	Electron Spin Resonance Spectrometer SES Make Model: ESR-105	18.08.2015	26.10.2015	48425.00	Working	
8	Floor Model Fume Hood	12.09.2015	24.11.2015	96117.00	Working	

* Add separate sheet if needed

2.9 Utilization of Equipment*							
S. No.	Name of Equipment	No. of Internal User/week	No. of External User/week	Percent Utilized	Funds generated	AMC	No AMC
1	Dielectric Constant and Curie Temperature of Ferroelectric Ceramics DEC -01	08	-	100	-	-	No AMC
2	Dielectric Measurement Setup DEC – 600	08	-	100	-	-	No AMC
3	Magnetic Hysteresis Loop Tracer HLT – 111C with CRO	08	-	100	-	-	No AMC
4	Hall Effect Experiment HEX – 21C with USB Based Computer Interface Facility	08	-	100	-	-	No AMC
5	Millikan’s Oil Drop Apparatus MOD - 01	08	-	100	-	-	No AMC
6	Zeeman Effect Experiment – SES Make Model: ZEX-01	08	-	100	-	-	No AMC
7	Electron Spin Resonance Spectrometer SES Make Model: ESR-105	08	-	100	-	-	No AMC
8	Floor Model Fume Hood	28	-	100	-	-	No AMC

*Note: Add separate sheet if needed

SECTION 3: IMPACT ON WORKING ENVIRONMENT

Kindly give your candid opinion on the following points on a five point scale. You may choose one of the five options.

S.No.	Please grade the following items in your College /Dept./School/ Centre	After DST-FIST support				
		Decrease	Can't say	No change	Improved	Significantly improved
3.1	Cleanliness					✓
3.2	Room temperature, Light and ventilation.					✓
3.3	Sufficient Working Space					✓
3.4	Communication: Internet, Telephone, etc.				✓	
3.5	Personnel Development Opportunities				✓	
3.6	Administrative and Office Support				✓	
3.7	Motivation for innovation				✓	

3.8. Please mention three important factors which contributed towards improvement of the working environment of your College/Department/School/Centre due to DST-FIST support.

1. We are able to have the state of art instruments for PG students (practical).
2. Sample preparation for research becomes handy and improved the performance at research level.
3. Research papers publication increased considerably.

3.9. Mention three important impediments of DST-FIST support that prevented your College/Department/School/Centre in improving the working environment.

1. Nil

SECTION 4: IMPACT ON VOLUME AND QUALITY OF ACADEMIC PROGRAM

It is presumed that DST-FIST program might have impacted the academic programs in terms of quantity and quality.

VOLUME OF MANPOWER			
S. No.	Provide the number of man power	Before FIST	After FIST
4.1	How many faculty were/are working in your College/Dept/School/Centre? Lecturer / Assistant Professor Associate Professor/ Reader Professor	18+12	19+14
4.2	How many DST sponsored Scientist/ research professional were/are working in your College/Dept/School/Centre? A. Scientists B. Other research staff	10	21
4.3	How many Tech/Admin staffs are/were working in your College/Dept/School/Centre? A. Technical Staff B. Administrative Staff	8+2	9+1

ADMISSION DETAILS					
S.No.	Department	Courses	Sanctioned Strength	Students admitted	
				before FIST support	after FIST support
4.4	Physics	B.Sc.	132	132	132
4.5		M.Sc.	55	55	55
		M. Phil.	30	22 - 30	22 - 30
		Ph.D.	1:6		28
		Dipolma	-	-	-

EXAMINATION-PASSING DETAILS						
S.No.	Department	Courses	Students Passed in Exams		Students Passed in 'A' grade	
			before FIST	after FIST	before FIST	after FIST
4.6	Physics	B.Sc.	95	96		
4.7		M.Sc.	97	98		
		M. Phil.	100	100		
		Ph.D.	100	100		
		Dipolma	-	-		

S.No. 4.8	Department	Type of Examinations	Students Passed in Competitive Exams		
			before FIST	after FIST	
	Physics	NET	2015 - 2018	Nil	Nil
		SET	2015 - 2018	Nil	02
		GATE	2015 - 2018	Nil	Nil
		Others	2015 - 2018	Nil	02 (Ph.D Entrance Exam)

TRAINING ATTENDED				
S.No. 4.9	Department	Courses	Students, Attended the Training	
			before FIST	after FIST
	Physics	B.Sc.	-	-
		M.Sc.	-	-
		M. Phil.	-	-
		Ph.D.	-	-

SECTION 5: IMPACT ON VOLUME AND QUALITY OF RESEARCH

S.No.	Number of research publication from your College/Dept./School/Centre.	Before FIST	After FIST
5.1	a. Books	--	--
	b. Books' Chapters	--	1
	c. Original Articles – Research Papers	--	--
	d. Review Articles	--	--
	e. Case Reports / Editorial Notes	--	--
	f. Articles in Conference Proceedings	--	148
	g. Paper presentation in Conferences	--	148
	h. Monographs - Theses	--	12
	i. Any other	--	--

	Grade the following items on five point scale	After DST– FIST Support				
		Decrease	Can't say	No change	Increase	Significant Increase
5.2	Trend of Intramural grant received (excluding FIST)				√	
5.3	Trend of Extramural grant received (excluding FIST)				√	
5.4	Trend in patents filed by your organization.			√		
5.5	Commercialization of technology by your organization		√			
5.6	Product and process developed by your organization.		√			
5.7	Papers published in SCI/SCIE Journals.				√	
5.8	Trend in Impact Factor of Published articles.				√	
5.9	Trend in average citation index of published articles.				√	
5.10	Consultancy		√		?	
5.11	Extension work/interaction with industries?		√		?	

SECTION 6: AWARDS AND RECOGNITIONS

S. No.	Items	Before FIST	After FIST
6.1*	Kindly provide us the information about Awards received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Awards - <i>EM Nano award. Europe.</i>		1
	b. National Awards		
6.2*	Kindly provide us the information about recognition received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Recognition		
	b. National Recognition – <i>CPE, Star College Status & Special Heritage Status</i>	1	2
6.3*	Kindly provide us the information about fellowships received by faculty/ scientists/ scholars of the Department/ Centre / Lab		
	a. International Fellowship		
	b. National Fellowship		1
6.4*	Provide information about collaborations established by your department		
	a. International Collaboration		
	b. National Collaboration		
6.5*	Provide information about any academic certification		
	a. International Certification		
	b. National Certification		
6.6*	Faculty exchange program		
	a. International Collaboration		
	b. National Collaboration	1	--

***Write details of award, recognition, fellowship and collaborations on a separate sheet.**

SECTION 7: CAPACITY BUILDING AND OTHER CONTRIBUTIONS

S. No.	Kindly provide number of the activities of capacity building and knowledge sharing by your organization	Before FIST	After FIST
7.1	a. National Seminars / Conferences	1	4
	b. International Seminars / Conferences		2
	c. Workshops		1
	d. Short-Term Training for Scientist up-gradation		
	e. Faculty Development Program		
	f. Management Development Program	1	1
	g. Upgradation of Technical Staff – <i>Lab Skills</i>		1
	h. Others		

SECTION 8: BEST PRACTICES

S.No.	Processes, Procurement, Managerial Practices and Constrains	
	Procurement of equipment	
8.1	Are you satisfied with procurement process and time. (Yes-1/No-2)	YES-1
	8.1a What are the positive points?	
	<ol style="list-style-type: none"> 1. Purchase Committee coordinated by the Purchase Officer 2. Periodic Meeting of the Purchase Committee on Purchase of things for the College. 3. Purchase is based on lowest quotation among the best three competitive quotations 	
	8.1b What are the constrains you faced?	
	<ol style="list-style-type: none"> 1. Time-delay by the supplier companies 2. Delay in installing the instruments due to lack of technical staff from the suppliers' side 3. 	
	8.1c Suggestions and better practices, if any?	
	<ol style="list-style-type: none"> 1. Time-delay shall be avoided 2. When there is a direct purchase of company-based products, calling for mutiple quotations from the intermediary companies may not arise 3. Customs Duty may be waived off totally for the Educational Institutions 	
	Utilization of infrastructure and Services provided to users	
8.2	Are you satisfied with Utilization of infrastructure and Services provided to users? (Yes-1/No-2)	YES-1
	8.2a What are the positive points?	
	<ol style="list-style-type: none"> 1. The infrastructural facilities are effectively utilized by the users – Students & Scholars of our college 2. The Sophisticated Instrumentation Facility of our college has been used by our students, staff, Scholars and out-side institutions including universities 3. Scientific and Research culture of the campus, picked-up 	
	8.2b What were the constraints you faced?	
	<ol style="list-style-type: none"> 1. Heavy inflow of users - Students & Scholars, at a perticular period of time 2. Limited Technical Staff-resource 3. No Financial Assistance for the Salary of Technical Staff and for Annual Maintenance 4. Over-usage of instruments causes technical snag that results in undue delay 	
	8.2c Suggestions and better practices, if any?	
	<ol style="list-style-type: none"> 1. Time-slot shall be allotted based on fixed pattern of Time-Table 2. Technical Staff Resources shall be developed 3. Financial Assistance to be given specifically for the Salary of Technical Staff and for Annual Maintenance 	

Maintenance of infrastructure		
8.3	Are you satisfied with Maintenance of infrastructure? (Yes-1/No-2)	YES-1
	8.3a What are the positive points?	
	<ol style="list-style-type: none"> 1. Periodic maintenance of infrastructure, done periodically 2. Annual Stock-Taking on the Infrastructure facilities 3. Seperate office of the Vice-Principal for mantaining the infrastructure ably supported by sufficient technical staff 	
	8.3b What are the constrains you faced?	
	<ol style="list-style-type: none"> 1. Over-crowding hampers the timely maintenance work 2. Lack of sufficient Man-power 3. Financial Constrants in maintaning the infrastructure 	
	8.3c Suggestions and better practices, if any?	
	<ol style="list-style-type: none"> 1. Man-power to be enhanced 2. More funds to be allocated for the annual maintenance 	
Utilization of funds		
8.4	Are you satisfied with utilization of funds? (Yes-1/No-2)	YES-1
	8.4a What are the positive points?	
	<ol style="list-style-type: none"> 1. Funds fully utilized on the permissble heads 2. Funds allocation on a specific head is done based on collective decision and cosensus of the appropriate administrative body 3. Whenever there is shortage of funding from the Government side, the College Management spends on the additionally required expenses 4. Expert opinions are also obtained while allocating the funds on a certain heads 	
	8.4b What were the constraints you faced?	
	<ol style="list-style-type: none"> 1. No funding for renovation works on Labs and other infrastructure 2. No honourarium for the Technical Staff 3. Non-availability of funding on the due period, by agencies 	
	8.4c Suggestions and better practices, if any?	
	<ol style="list-style-type: none"> 1. Funding for the Lab-renovation shall be allocated 2. Honourarium for Technical Staff may be allotted 3. 	

	Administrative support	
8.5	Are you satisfied with Administrative Support? (Yes-1/No-2)	YES-1
	8.5a What are the positive points?	
	<ol style="list-style-type: none"> 1. College Management provides the required infrastructural support to the DST-FIST Project 2. College Management is ready to give financial supportive whenever required to carry on with the DST-FIST Project 3. Department Staff work supportively carrying on the DST-FIST Project 4. Students are given hands-on training handling the instrument 	
	8.5b What were the constraints you faced?	
	<ol style="list-style-type: none"> 1. No seperated office for DST-FIST Project 	
	8.5c Suggestions and better practices, if any?	
	<ol style="list-style-type: none"> 1. Consortium of DST-FIST funded institutions shall be formed 2. Half-yearly Review Meeting, to be convened inviting the nearby DST-FIST funded Institutions 3. Database of DST-FIST funded Equipments' Details of the various Institutions in the Consortium shall be created 4. Annual Report on Progress DST-FIST Project, to be prepared 5. Workshops on handling of various instruments in the FIST funded Labs shall be organized jointly networking the DST-FIST funded Institutions 6. DST-FIST Project Office shall be established 	
	Policy Imperatives	
8.6	Suggest policy imperative for strengthening of the FIST scheme	
	<ol style="list-style-type: none"> 1. Funding for the Zero-level to be enhanced to 2 crores 2. Funding shall be given to a few Institutions to establish Sophstioated Instrumentation Facility 3. Funding can be allotted to a few Institutions for procuring High-end Instruments 	

SECTION 9: OVERALL IMPACT OF DST-FIST PROGRAM

Now we would like to ask you to summarize the overall impact of DST-FIST assistance on various domains of your functioning and output etc. on a 5-point scale. You may choose one of the five options. If you feel that there is a need to give any special remarks please give it separately.

	Grade the following items on a five point scale after the DST FIST support to your College/ Dept./ School/ Centre	After DST-FIST 2015 - 2018				
		Decrease	Can't say	No change	Increase	Sig. increase
9.1	Students Intake				√	
9.2	Students passed out				√	
9.3	Students NET/GATE etc. Results				√	
9.4	Content of the Syllabus				√	
9.5	Introduction of New PG Program , if any			√		
9.6	Students' placement				√	
9.7	Enrolment of Research Students				√	
9.8	Number of Ph.D. Awarded				√	
9.9	Faculty positions (sanctioned)			√		
9.10	Faculty positions (filled)			√		
9.11	Awards, Visiting assignments, PDF assignments			√		
9.12	Volume of Research Publications by Faculty/Scientists				√	
9.13	Quality of Research Publications by Faculty/Scientists				√	
9.14	Extra mural grant received				√	
9.15	Computational and Major Equipment Facilities in the Department				√	
9.16	Departmental Library Facilities				√	
9.17	Accreditation level by the NAAC/NBA/UGC/MCI peer review team			√		
9.18	Academic reputation and visibility				√	
9.19	Community/ outreach program				√	
9.20	Attracting talent to organization				√	
9.21	Visitors from abroad / reputed institute				√	
9.22	Quality of Teaching				√	
9.23	Research Environment				√	

9.24 Would you like to give any suggestion for improvement in the science and technology of this country with special reference to the efforts being made by the Department of Science and Technology?

At the veryout-set, we appreciate the generous gesture of DST for coming forward to support the educational institutions throughout India, financially towards establishing some infrastructural facilities for the effective learning of scientific skills by the students.

We thankfully acknowledge the DST for taking efforts to develop science and technology in Rural and Semi-urban areas, throughout India. Our Institution – St. Joseph's College is one such institutions situated in a Semi-urban area (Tiruchirappalli) of Tamilnadu. We thank the DST for supporting us with fund Rs. 89.5 lakhs. We place on record that this funding has given a lift to our Science Teaching and Research.

We would like to suggest the following points for your kind consideration.

1. *More funding to Science Departments in Colleges situated in Rural areas. The funding for Level '0' shall be raised to rupees TWO CRORES*
2. *Capacity-building Training to Teachers of Science Departments on handling of Instruments and trouble-shooting the snags of Instruments, widely used in Academic Labs.*
3. *Specialized Training to Teachers and Engineers on fabricating the widely used equipments on a Cost-effective basis, such that we need not depend on the Equipments from other countries that are very costly these days.*

-----Thanks for your cooperation-----

