

**St. Thomas' College**  
**(Autonomous), Thrissur**  
College with Potential for Excellence  
Affiliated to University of Calicut

**SUPPLEMENTARY SELF STUDY REPORT 2016**  
**For the Third Cycle of Re-accreditation**

*Submitted to*

**THE NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL (NAAC)**  
Bengaluru



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## Supplementary Report 2016

### Introduction

The Self Study Report 2011-15 in connection with the third cycle of accreditation of the National Assessment and Accreditation Council was submitted to the NAAC and uploaded in the St. Thomas' College website in March 2016. The supplementary report is an attempt to manifest all activities, both academic and non-academic after the submission of the SSR. The most significant achievement after the submission of the Self Study Report is the award of the status of College with Potential for Excellence (CPE) by the University Grants Commission. The CPE status is an exceptional achievement as far as the growth and development of this institution is concerned. The supplementary report contains the action plan approved by the expert committee of the UGC to be accomplished within the next five years. Another remarkable feature was the passing out of the first autonomous post-graduate batch and the spectacular graduation ceremony held on 16<sup>th</sup> August 2016.

#### 1. Name and Address of the College:

Name : **St. Thomas' College (Autonomous), Thrissur**  
Address : **St. Thomas' College (Autonomous), Thrissur**  
City : **Thrissur - PIN: 680 001**  
State : **Kerala**  
Website : **<http://stthomas.ac.in>**

#### 2. For communication:

Designation	Name	Telephone With STD Code	Mobile	Fax	Email
<b>Principal</b>	Dr. P. O. Jenson	0487 2444486	9447270095	0487 2421510	stcthrissur@gmail.com
<b>Vice Principals</b>	Fr. Baiju Ckhakkery	0487 2333018	9495465401		baijuachan@gmail.com
	Dr. Thomas Paul Kattookaran	0487 2253948	9446622342		thomascommerce@gmail.com





	Dr. Ignatius Antony	0487 2423408	9496217317		ignatiusantonyk@gmail.com
<b>Steering Committee Coordinator</b>	Dr. Thomas Paul Kattookaran	0487 2253948	9446622342		thomascommerce@gmail.com

### Details of programmes offered by the institution 2016-17

Sl. No	Programme Level	Name of the Programme/course	Duration (Years)	Total Number of Applications	Sanctioned/ Approved Student intake	Students' strength as on 31-10-2016
1	UG	B.Sc Mathematics with Computer Application	3	533	60	47
		B.Sc Mathematics with Physics	3	1024	60	46
		B.Sc Statistics	3	245	24	29
		B.Sc Physics	3	1771	56	47
		B.Sc Chemistry	3	1841	56	48
		B.Sc Botany	3	1259	40	33
		B.Sc Zoology	3	1305	40	32
		B.Sc Computer Science	3	625	36	35
		B.Com Finance	3	1404	60	60
		B.Com Banking	3	1318	60	59
		B.A Economics	3	823	60	60
		B.A English & History	3	928	60	58
		B.Sc Electronics	3	200	36	35
		BCA	3	624	24	36
		BVC	3	187	24	27
		BMMC	3	207	24	27
		B.Com Finance	3	1355	60	60





		BBA	3	727	50	50
2.	PG	M.Sc Mathematics	2	137	20	20
		M.Sc Statistics	2	106	12	10
		M.Sc Physics	2	155	12	12
		M.Sc Chemistry	2	222	12	12
		M.Sc Botany	2	144	12	11
		M.Sc Zoology	2	108	12	10
		M.A Economics	2	64	20	20
		M.A English	2	161	20	18
		M.Com	2	129	20	20
		M.Sc Computer Science (1)	2	40	12	12
		M.Sc Computer Science(2)	2	22	12	12
		M.Sc Electronics	2	200	12	12
		M.S.W	2	47	20	19
		MVC	2	13	12	10
3.	Ph.D.	Zoology	3 – 5			4
		Chemistry	3 – 5			4
		English	3 – 5			2
		Economics	3 – 5			-
		Statistics	3 – 5			-
		Physics	3-5			-
		Commerce	3 – 5			1
		Botany	3 – 5			-
		Mathematics	3 – 5			1
5	Community College	Diploma in Visual Communication	1	852	50	37



**Demand Ratio**

SI. No	Programme Level	Name of the Programme/ course	Total Number of Applications	Sanctioned/ Approved Student intake	Demand Ratio
1	UG	B.Sc Mathematics with Computer Application	533	60	8.89
		B.Sc Mathematics with Physics	1024	60	17.06
		B.Sc Statistics	245	24	10.21
		B.Sc Physics	1771	56	31.62
		B.Sc Chemistry	1841	56	32.88
		B.Sc Botany	1259	40	31.48
		B.Sc Zoology	1305	40	32.63
		B.Sc Computer Science	625	36	17.36
		B.Com Finance	1404	60	23.4
		B.Com Banking	1318	60	21.97
		B.A Economics	823	60	13.72
		B.A English & History	928	60	15.47
		B.Sc Electronics	200	36	5.56
		BCA	624	24	26
		BVC	187	24	7.79
		BMMC	207	24	8.63
		B.Com Finance	1355	60	22.58
		BBA	727	50	14.54
2.	PG	M.Sc Mathematics	137	20	6.85
		M.Sc Statistics	106	12	8.83
		M.Sc Physics	155	12	12.92
		M.Sc Chemistry	222	12	18.5
		M.Sc Botany	144	12	12
		M.Sc Zoology	108	12	9
		M.A Economics	64	20	3.2





		M.A English	161	20	8.05
		M.Com	129	20	6.45
		M.Sc Computer Science (1)	40	12	3.33
		M.Sc Computer Science (2)	22	12	1.83
		M.Sc Electronics	200	12	16.67
		M.S.W	47	20	2.35
		MVC	13	12	1.08
5	Community College	Diploma in Visual Communication	852	50	17.6

### Eminent Scholars who visited the College in 2016:

1. **Dr. Bharat B. Aggarwal, Ph.D.** Founding Director, Inflammation Research Institute, San Diego, California Former Professor of Experimental Therapeutics, Cancer Medicine and Immunology, The University of Texas M. D. Anderson Cancer Center, Houston, Texas
2. **Dr. Subhash C. Chauhan, PhD** Professor, Department of Pharmaceutical Sciences, Cancer Research Center University of Tennessee Health Science Center, Memphis, USA
3. **Dr. Farid Farid A. Badria Ph.D.** Professor of Pharmacognosy , Head of Drug Discovery Unit Head of Liver Research Lab, Consultant in herbal and alternative Medicine Faculty of Pharmacy, Mansoura University, Egypt
4. **Dr. Murali M. Yallapu, Ph.D.** College of Pharmacy, Department of Pharmaceutical Sciences **Memphis, USA**
5. **Dr. Ajaikumar B. Kunnumakkara**, Associate Professor Department of Biosciences and Bioengineering, IIT Guwahati
6. **Dr. T.D. Babu** Associate Professor, Dept. of Biochemistry Amala Cancer Research Centre, Thrissur
7. **Dr. Achuthan C. Raghavamenon** Associate Professor, Dept. of Biochemistry, Amala Cancer Research Centre, Thrissur
8. **Dr. T.A. Ajith** Professor, Dept. of Biochemistry, Amala Institute of Medical Sciences (AIMS), Thrissur
9. **Dr.P Christie** Professor, Decision Science, Loyola Institute of Business Administration (LIBA),Loyola College,Chennai-600034, Tamil Nadu
- 10.**Prof. S Ganesan**, KPR School of Business Coimbatore, India





11. **Arenkala Ao**, Jawaharlal Nehru University, New Delhi
12. **Suneetha Esampalli**, Head, Department of Economics St. Ann's College for Women Mehdiapatnam, Hyderabad, Andhra Pradesh
13. **Nikhila Paran M**, Faculty, Department of Psychology St. Ann's College for Women Mehdiapatnam, Hyderabad, Andhra Pradesh
14. **Vasanth Adithya J**, Professor of Law, CMR Law School, No 5, 2 nd Cross, OMBR Layout, Chikka Banaswadi, Bengaluru-560043, Karnataka
15. **Dr. Bodee Putsyainut**, Faculty of Integrated Social Sciences, Khon Kaen University Nong Khai Campus
16. **Dr. Sekson Yongvanit**, Faculty of Humanities and Social Sciences, Khon Kaen University, Khon Kaen
17. **PrasitKunurat**, Faculty of Humanities and Social Sciences KhonKaen University 123 Mittraparb, Khon Kaen
18. **D A Ramani**, HOD Dept. of Office Management, St Joseph College for Women, Gnanapuram, Vishakhapatnam, Andhra Pradesh
19. **Dr. Ria Liza C. Canlas**, College of Engineering, Lyceum of the Philippines University, Philippines.
20. **Dr. Tiwa Park**, Asst. Prof. in International Business Management, Thai- Nichi Institute of Technology, Thailand
21. **Dolores L. Montesines**, College of Computer Studies, Lyceum of the Philippines University, Philippines.
22. **Marlon M. Fortunato**, College of Business Administration, Lyceum of the Philippines University, Philippines.
23. **Devy M. Galang**, Information and Communication Technology Department, Lyceum of the Philippines University, Philippines.
24. **Irene G. Cruz**, College of Engineering, Lyceum of the Philippines University, Philippines.
25. **Maricel A. Abellera**, College of International Relations, Lyceum of the Philippines University, Philippines.
26. **Rovena I. Dellova**, College of International, Tourism and Hospitality Management Lyceum of the Philippines University, Philippines
27. **Dilan Sandamal Wickramasingha Gunawardane**, Department of Social Sciences, Rajarata University of Sri Lanka
28. **Chuanchen BI**, Ph.D. Candidate in Development Sciences, Faculty of Humanities and Social Sciences, Khon Kaen University, Thailand
29. **Dr. Sekson Yongvanit**, Faculty of Humanities and Social Sciences, Khon Kaen University, Thailand





- 30.**Dr. Warangkana** Thawornwiriyaatrakul, Faculty of Business Administration, Khon Kaen University – Nong Khai Campus, Thailand
- 31.**Kazi Abdur Rahman**, Postgraduate Student, The National University Malaysia (UKM) Advocate, Judge Court of Dhaka, Bangladesh
- 32.**Dr. Eja Iwara Eja**, Department of Geography and Environmental Science, University of Calabar, Cross River State, Nigeria
- 33.**Dr. S. V Kulkarni**, HOD and Associate Professor, Department of Political Science C.S.B. Arts,
- 34.**Dr. Sr. Shyji P.D**, St. Joseph's College for Women(Autonomous), Gnanapuram, Visakhapatnam - 530 004, Andhra Pradesh
- 35.**Dr. Pelin Aytemiz**, Assistant Professor Başkent University / Faculty of Communication Eskişehir Yolu 21. km Bağlıca Etimesgut Ankara / Turkey
- 36.**Rokshana Shirin** Asa, Lecturer, Prime University Bangladesh, Postgraduate Student, International Islamic University Malaysia (IIUM), Advocate, Judge Court Of Dhaka, Bangladesh
- 37.**Dr. Tiwa Park**, International Business Management, Thai- Nichi Institute of Technology, Thailand
- 38.**Dr. Clif Kussmaul**, Assoc Professor, Department of Computer Science, Muhlenberg College, Pennsylvania, US.
- 39.**Dr. Vargheses Paul**, Professor, Dept. of IT, Rajagiri School o Engineering and Technology.
- 40.**Merin Joseph** IPS, Asst. Superintendent of Police, Irinjalakkuda.





# Criterion I:

## CURRICULAR ASPECT

### 1.1. Curriculum Design and Development

As per the official system of curriculum design all departments have restructured the syllabi in an effort to redesign the academic environment more fruitful, student centered and innovative.

Focusing on the three aspects of innovation, employability and research the college restructured the syllabi of various courses in the year 2016. The curricular changes will be implemented in the coming academic year.

All the Boards of Studies of the College, the Academic Council and the Governing Council had approved the implementation of a certificate course for students from their respective departments and this year the certificate courses were started by many of the departments.

After a term of 2 years, the Governing Council, Academic Council and the boards of studies were reconstituted in August 2016.

**Certificate Programme:** The Certificate Programme is a prestigious curricular innovation which enables all students to attend any of the following programmes.

Sl. No	UG Level	Programme
1	Commerce and Management Studies	Certificate programme in Entrepreneurship Development Programme
2	English	Certificate Course in Professional Communication
3	Visual Communication	Certificate Course in Short Film Making
4	Botany	Certificate Course in Horticulture
5	Mathematics	Certificate Course in Programming with Python
6	Physics	Nano Science and Technology
7	Statistics	Certificate Programme in Statistics
8	Zoology	Certificate Programme in Fresh Water Ornamental Fish Culture
9	Chemistry	Industrial Chemistry
	<b>PG Level</b>	





10	Commerce	Certificate Programme in Tourism and Travel Management
11	English	Certificate course in English for Communication
12	Mathematics	MATLAB
13	Computer Science	MATLAB
14	Statistics	Statistical Data Analysis
15	Botany	Certificate Course in Pharmacognacy and Phytochemistry
16	Chemistry	Catalysis and Green Chemistry





## Criterion II

# TEACHING-LEARNING AND EVALUATION

### 2.1. Student Enrolment and Profile

The 2016-17 admission was conducted online and list of selected candidates was published in the notice boards and College web site. In the concerned academic year twelve students joined for doctoral studies, seven new teachers were selected as research supervisor/guide and 1 new department (Physics) was granted the research center status. The IQAC and Research Council have devised stringent measures to ensure excellence in research.

#### Number of students admitted in 2016-17:

Batches		UG Aided Courses 2016-17								
	Gender	GENERAL	LC	MUSLIM	OBC	OEC	OTHER	SC	ST	Total
U1BT2016	Male	6	0	0	3	0	0	0	1	10
	Female	9	0	0	6	0	0	8	0	23
	Total	15	0	0	9	0	0	8	1	33
U1CB2016	Male	19	0	0	2	1	0	3	0	25
	Female	23	0	0	2	1	0	8	0	34
	Total	42	0	0	4	2	0	11	0	59
U1CF2016	Male	21	0	0	2	0	0	4	0	27
	Female	20	0	1	3	0	0	9	0	33
	Total	41	0	1	5	0	0	13	0	60
U1CH2016	Male	11	0	0	4	0	0	5	0	20
	Female	18	0	0	4	2	0	4	0	28
	Total	29	0	0	8	2	0	9	0	48
U1CS2016	Male	11	0	2	1	0	0	6	0	20
	Female	8	0	0	5	1	0	1	0	15
	Total	19	0	2	6	1	0	7	0	35
U1EC2016	Male	12	0	0	8	1	0	2	0	23
	Female	21	0	0	5	1	0	10	0	37
	Total	33	0	0	13	2	0	12	0	60
U1EH2016	Male	19	0	0	5	0	0	6	0	30
	Female	17	0	1	4	1	0	5	0	28
	Total	36	0	1	9	1	0	11	0	58





U1MC2016	Male	8	0	0	3	2	0	3	0	16
	Female	18	0	0	9	4	0	0	0	31
	Total	26	0	0	12	6	0	3	0	47
U1MP2016	Male	13	0	0	3	0	0	1	0	17
	Female	15	0	0	10	2	0	2	0	29
	Total	28	0	0	13	2	0	3	0	46
U1PH2016	Male	14	0	0	1	0	0	7	1	23
	Female	17	0	0	4	1	0	2	0	24
	Total	31	0	0	5	1	0	9	1	47
U1ST2016	Male	5	0	0	3	0	0	1	0	9
	Female	10	0	0	7	2	0	1	0	20
	Total	15	0	0	10	2	0	2	0	29
U1ZG2016	Male	9	0	0	0	0	0	0	1	10
	Female	13	0	2	2	0	0	4	1	22
	Total	22	0	2	2	0	0	4	2	32
<b>UG Self Finance 2016-17</b>										
	Gender	GENERAL	LC	MUSLIM	OBC	OEC	OTHER	SC	ST	Total
U2BB2016	Male	21	0	0	11	0	1	2	0	35
	Female	7	0	2	5	1	0	0	0	15
	Total	28	0	2	16	1	1	2	0	50
U2BC2016	Male	12	0	1	3	1	0	0	0	17
	Female	8	0	2	9	0	0	0	0	19
	Total	20	0	3	12	1	0	0	0	36
U2BM2016	Male	15	0	0	5	1	0	1	0	22
	Female	3	0	0	3	0	0	0	0	6
	Total	18	0	0	8	1	0	1	0	28
U2BV2016	Male	17	0	0	7	0	0	0	0	24
	Female	3	0	0	1	0	0	0	0	4
	Total	20	0	0	8	0	0	0	0	28
U2CF2016	Male	22	0	1	6	0	0	0	0	29
	Female	23	0	1	5	1	0	1	0	31
	Total	45	0	2	11	1	0	1	0	60
U2EL2016	Male	21	0	1	5	0	0	3	0	30
	Female	4	0	0	2	0	0	0	0	6
	Total	25	0	1	7	0	0	3	0	36
<b>PG Aided Course 2016-17</b>										
	Gender	GENERAL	LC	MUSLIM	OBC	OEC	OTHER	SC	ST	Total
P1BT2016	Male	3	0	0	0	0	0	0	0	3
	Female	4	0	0	2	1	0	2	0	9
	Total	7	0	0	2	1	0	2	0	12





P1CH2016	Male	2	0	0	0	0	0	0	0	2
	Female	6	0	0	2	0	0	2	0	10
	Total	8	0	0	2	0	0	2	0	12
P1CM2016	Male	4	0	0	0	0	0	0	0	4
	Female	9	0	0	3	0	0	4	0	16
	Total	13	0	0	3	0	0	4	0	20
P1CS2016	Male	1	0	0	0	0	0	0	0	1
	Female	7	0	0	1	1	0	2	0	11
	Total	8	0	0	1	1	0	2	0	12
P1EC2016	Male	2	0	0	1	0	0	0	0	3
	Female	11	0	0	4	1	0	1	0	17
	Total	13	0	0	5	1	0	1	0	20
P1EH2016	Male	1	0	0	0	0	0	1	0	2
	Female	8	0	0	6	0	0	3	0	17
	Total	9	0	0	6	0	0	4	0	19
P1MM2016	Male	3	0	0	1	0	0	0	0	4
	Female	11	1	0	2	0	0	2	0	16
	Total	14	1	0	3	0	0	2	0	20
P1PH2016	Male	2	0	0	0	0	0	0	0	2
	Female	7	0	0	1	1	0	1	0	10
	Total	9	0	0	1	1	0	1	0	12
P1ST2016	Male	2	0	0	0	0		0		2
	Female	8			1				1	8
	Total									10
P1ZG2016	Male	1								1
	Female	9			2				1	9
	Total									10
<b>PG Self Finance 2016-17</b>										
	Gender	GENERAL	LC	MUSLIM	OBC	OEC	OTHER	SC	ST	Total
P2CS2016	Male	1	0	0	0	0	0	0	0	1
	Female	7	0	0	4	0	0	0	0	11
	Total	8	0	0	4	0	0	0	0	12
P2EL2016	Male	3	0	0	2	0	0	0	0	5
	Female	3	0	0	5	0	0	0	0	8
	Total	6	0	0	7	0	0	0	0	13
P2SW2016	Male	6	0	0	0	0	0	0	0	6
	Female	9	0	0	1	3	0	1	0	14
	Total	15	0	0	1	3	0	1	0	20





P2VC2016	Male	6	0	0	2	0	0	1	0	9
	Female	0	0	0	1	0	0	0	0	1
	Total	6	0	0	3	0	0	1	0	10

### Teachers who participated in the Orientation and Refresher courses:

<u>Programme</u>	<u>Number of Teachers</u>
Orientation Programme	8
Refresher Course	7

## 2.6 Student Performance and Learning Outcome

### 2.6.4 Programme-wise Pass Percentage and Completion Rate of UG Programmes (2016-17)

Programme	Students Appeared	No. of Pass	% of Pass
B.Com. Finance	55	54	98
B.Com. Banking	58	56	97
B.Com. Finance	38	35	92
B.Sc. Botany	37	33	89
B.Sc. Zoology	32	28	88
B.Sc. Computer Science	33	21	64
B.Sc Mathematics with Computer Application	53	37	70
B.Sc Mathematics with Physics	51	35	69
B.Sc Statistics	23	14	61
B.Sc. Physics	50	38	76
B.Sc. Chemistry	54	44	81
B.C.A.	30	27	90
B.V.C	24	18	75
B.A. Economics	46	25	54
B.A. English & History	56	54	96

### Programme-wise pass percentage of PG programmes (2016-17)

Programme	Students Appeared	No. of Pass	Pass Percentage
M.A. Economics	20	20	100
M.A. English	20	20	100
M. Sc. Mathematics	20	19	95
M.Sc. Physics	12	9	75





M.Sc. Chemistry	11	11	100
M.Sc. Botany	12	12	100
M.Sc. Zoology	11	11	100
M.Sc. Computer Science	12	12	100
M.Sc. Statistics	10	9	90
M.Com	19	19	100
M.Sc. Electronics	12	11	91
M.S.W.	20	15	75
M.Sc. Computer Science	11	11	100





## Criterion III

### Research, Consultancy and Extension

#### Research Center Details as on October 2016

Sl. No.	Department	No. of Guides	No. of Scholars	No. of PhD Produced	No. of JRF Scholars	No. of PDF Scholars
1	English	6	24	16	7	0
2	Economics	3	8	0	2	0
3	Commerce	1	6	0	3	0
4	Mathematics	2	1	0	1	0
5	Statistics	3	1	0	0	0
6	Physics	0	0	0	0	0
7	Chemistry	6	13	4	4	0
8	Botany	4	1	0	1	0
9	Zoology	5	8	2	0	2
Total	9 Research Centers	30	62	22	18	2

#### 3.1.5 International Research Collaboration

Dr. Jency Thomas, Assistant Professor, Department of Chemistry, has collaboration with Prof. K.V. Ramanujachary from Department of Chemistry and Biochemistry, Rowan University, USA for her Minor Project entitled “Investigation of magnetic and photocatalytic properties of coordination polymer based phosphomolybdates” for investigation of magnetic properties of various materials.

#### 3.3.1 St. Thomas' Research Fellowship

St. Thomas College offers a Research Fellowship entitled ‘St. Thomas Research Fellowship’ for full-time research Scholars who are not availing any other fellowships. This unique project offers support to research scholars who pursue research in this institution.

#### 3.4. Awards and Honours for Faculty 2016

1. Dr. Joby Thomas , Department of Chemistry: INSA Teacher Award 2016 by The National Science Academy .
2. Miss. Reeja Jonson, Department of Chemistry: Best Poster Award, UGC National Seminar S.N. College, Nattika.



**Faculty awarded Ph.D in 2016**

Sl.No	Name	Subject	University
1	Dr. Anto Johny T.	Physics	MG University, Kottayam
2	Dr. Viju M J	English	MG University, Kottayam
3	Dr. Viji M	Mathematics	Cochin University of Science and Technology, Cochin
4	Dr. Biju John M	Commerce	Cochin University of Science and Technology, Cochin
5	Dr. George Alex	History	Kannur University, Kannur
6	Dr. Fr. Anil George	Computer Science	Anna University, Chennai

**Projects Sanctioned in 2016-17**

Investigator	Title	Agency and Period	Amount (Rs.)
Dr. Jency Thomas	Investigation of Magnetic and Photocatalytic Properties of Coordination Polymer Based Phospho-Molyb-Dates	UGC 2016-18	4,90,000/-
Dr. Paulson Mathew	Design of Mesoporous Silica Supported Acid Base by Functional Analysis	UGC 2016-18	4,90,000/-
Lims Thomas	Awareness of sex and sexuality among adolescent boys in Thrissur District : An Intervention study	UGC 2016-18	2,00,000/-
Sindhu George	Entrepreneurship as a career option for graduates: A study among Arts and Science College students in Kerala	UGC 2016-2018	90,000 /-
Dr. Anto Thomas C.	German Enlightenment in British Malabar: Dr. Hermann Gundert s Contributions to Malayalam Children s literature	UGC 2016-2018	70,000/-
Dr. Joby Paul	Assessment and Mapping of Riparian Forest Vegetation of Kechery River Basin – Kerala	UGC 2016-2018	1,55,000/-
Jeswin Saju	A study on the effective utilization of Open Source Software (OSS) in Governance	UGC 2016-2018	1,10,000/-





## Research Publications, Seminar/Conference Proceedings, Books and Chapters in Books by Faculty

1. Jinish Antony M. and K. R. Das, (2016), Synthesis and characterisation of water dispersible copolymer submicron spheres of poly-(phenylenediamine-co-N-sulfopropyl aniline) via random copolymerization 87, 215-225 Polymer
2. Anne jose M, Smitha Varghese and Jinish Antony M, (2016), In situ chemical oxidative polymerization for ordered conducting polythiophene nanostructures in presence of dioctyl sodium Sulfosuccinate Vol 55A, March, page 292-297. Indian Journal of chemistry
3. TS Swathy, MA Jose, MJ Antony, (2016), AOT assisted preparation of ordered, conducting and dispersible core-shell nanostructured polythiophene-MWCNT nanocomposites 103, 206-213 Polymer
4. Thomas, J. & Ramanan, A., (2016) , What Triggers Supramolecular Isomerism in Nonmolecular Solids? A case study of Copper Pyridazine Halides November, Volume 128, Issue 11, pp 1687–1694 Journal of Chemical Sciences
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### **New Species Discovered**

1. **Ophioglossum raphaelianm** Dr. Anto P. V. Afsana Khan, Franklin Francis and Dr. Ignatius Antony (2016).





## Criterion IV

### Infrastructure and Learning Resources

#### 1. The Campus

The seminal improvement in 2016 is the construction of an atrium with 30000 sq. ft. which can contain 3000 people and the air circulation is controlled by a High Volume Low Speed fan.

The out lay for infrastructure to be materialized under the **College with Potential for Excellence** submitted to the UGC consists of plans for next five years, which include Language Lab, soft skill and communication development, Smart class rooms with high speed internet and multimedia. Career orientation and soft skill development, and Skill based add-on courses and finishing school for UG students and for PG students, Centralized library and resource Center, Multimedia and smart board enabled laboratories and Interaction with industry and job market.

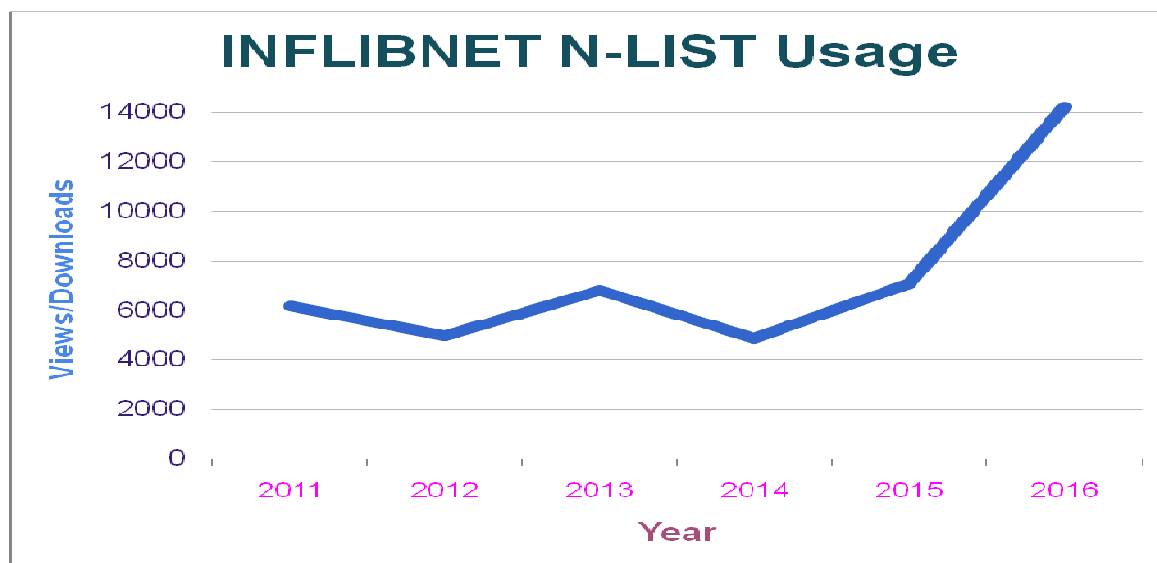
For research, the future plans consist of Centralized Instrumentation Maintenance Facility, to promote interdisciplinary research, online journal resources in Arts, Humanities and Sciences, Promote patents and research publications and Research collaboration with internationally reputed institutes.

**4.2 Library: STARC** (St. Thomas' Archive) is a newly introduced project which makes documents of the past including previous question papers available online.

**LiveSTOM.in (Library and Information services of St. Thomas' College):** live STOM is the umbrella term for the bouquet of all services provided by the Department of Library, St. Thomas' College (Autonomous), Thrissur.



## INFLIBNET NLIST Usage



The College subscribes to INFLIBNET N-LIST database. The page views and downloads of N-LIST database has increased more than two folds since 2014 which is a result of the massive orientation programmes on the database and its resources.

**The Language Lab:** A language laboratory was installed as part of the College's concern with language studies and to develop language skills among students is a major achievement after the submission of the SSR. The language Lab consists of 24 nodes at the moment and can be expanded up to 200 nodes. The language software used in the lab has a provision for English and 7 other foreign languages including Spanish, French, German etc.

#### 4.4.2 Major Equipments procured and additions to infrastructure in 2016.

Language Lab (1 with 24 nodes)

Power Generator (1 30 KV)

HVLS Fan (1)

Research Rooms (4)

DST FIST Lab

Auditorium (1)

Classrooms (6)

Television Studio

Softbox for Photography





## 4.2.8 Books and Journals

### Books Added to the Library

No. of Books Added	No. of Printed Journals and Magazines	Total Amount (Rs.)
383	150	89,442/-*

\* The College has received approximately an amount of Rs. 6,00,000/- from various sources (CPE and Autonomous College Fund from UGC and Special PD Account) for the purchase of books.





## Criterion V

### Student Support and Progression

#### 5.1 Financial Assistance to Students from Government and other National Agencies

Name of the Scholarship	No. of Students	Amount per Student per Year
Inspire Scholarship	9	80000
Higher Education Scholarship P G Students	15	40000/60000
Higher Education Scholarship	33	12000/18000/24000
Prathiba Scholarship	6	12000/18000/24000
Prathiba Scholarship PG Students	0	40000/60000
UGC Single Girl	2	20000
UGC Rank Scholarship	1	20000
Centre Sector Scholarship	53	10000/20000
Suvarna Jubilee Scholarship	28	10000
Post Metric Scholarship	112	3000
C.H. Mohammed Koya Scholarship	4	4000
Hindi Scholarship	6	4000
District Merit Scholarship	0	1250
State Merit Scholarship	1	1250

##### 5.1.1 Placement Cell

The Placement Cell had remarkable activities in 2016 and 63 students were placed in various positions.

1. 20-01-2016- Goan Institute of Communicative English - 14 selected
2. 21-01-2016 - ICICI PRUDENTIAL - 20 selected
3. 1-07- 2016 - South Indian Bank - 29 selected





## Criterion VI

### Governance, Leadership and Management

#### 6.4.3 The audited income and expenditure statement of academic and administrative activities of 2015-16

##### Income & Expenditure Account

Statement of Accounts of income and expenditure from 01.06.2015 to 31.05.2016				
Si. No	Particulars	Income	Expenditure	Remarks
1	2	3	4	5
	Op. Balance	3,666.36		
1	Salary T.S. & N.T.S.	89,389,954.00	89,389,954.00	
2	Excess Salary claimed & Refunded	4,890.00	4,890.00	
3	Professional Tax	149,100.00	149,100.00	
4	LIC collected & remitted	957,988.80	957,988.80	
5	GIS closure	65,172.00	65,172.00	
6	P.F. Advance & Claime	15,292,378.00	15,292,378.00	
7	NRA	449,800.00	449,800.00	
8	Tuition Fees	2,645,700.00	2,645,700.00	
9	Tuition Fine	27,022.00	27,022.00	
10	Medical reimbursement	3,000.00	3,000.00	
11	Special fees collected students.	1,596,560.00		
12	P.T.A	3.14		
13	Sepeical fees remitted		6.00	
	a) Admission		67,350.00	
	b) Library		212,200.00	
	c) Calender		63,660.00	
	d) Health M.I.		6,710.00	
	e) Laboratary		478,050.00	
	f) Sports		212,200.00	
	g) Stationary		106,100.00	
	h) Association		106,100.00	
	i) Audio Visual		53,050.00	
	j) Registration		68,150.00	
	k) SAF		10,610.00	
	l) Magazine		106,050.00	
	m) Womens aid fund		106,005.00	
	n) U.U.F.		75.00	
	o) U.S.A.		250.00	





14	Special PD cheque withdrawal	1,306,632.00		
15	Advance from Manager Special PD	101,462.00		
16	Advance returned to Manager Special PD		140,591.00	
17	Special PD expenditure:-			
	a) Laboratory		469,373.00	
	b) Library		171,345.00	
	c) Sports		200,158.00	
	d) Association		101,450.00	
	e) Calender		63,000.00	
	f) Health M.I.		6,300.00	
	g) Stationary		91,262.00	
	h) Audio Visual		49,950.00	
	i) Registration		10,800.00	
	j) Students aid fund		10,000.00	
	k) Magazine		92,000.00	
	l) Womens aid fund		640.00	
	m) UUF		126.00	
	n) USA		350.00	
18	Cost of application collected & paid	136,300.00	136,300.00	
19	Cost of application collected & paid to Manager	136,300.00	136,300.00	
20	Registration fees collected & remitted	68,150.00	68,150.00	
21	Tender fees collected & remitted	50,800.00	50,800.00	
22	Vat collected & remitted	2,048.00	2,048.00	
23	Matriculation fees collected & remitted	48,960.00	48,960.00	
24	Re Matriculation fee collected & remitted	450.00	450.00	
25	UUF collected & remitted	132,505.00	132,505.00	
26	USA collected & remitted	445,375.00	445,375.00	
27	Recognition fee collected & remitted	4,900.00	4,900.00	
28	Caution deposit collected & remitted	268,560.00	268,560.00	
29	PTA	0.50		
30	Caution deposit remitted		1.00	
31	CD withdrawal disbursed	343,500.00	343,500.00	
32	CD withdrawal & return to manager	259,881.00	259,881.00	
33	KPCR	1,048,815.00	1,048,815.00	
34	OBC	384,665.00	384,665.00	
35	FC	248,610.00	248,610.00	
36	SEBC	170,010.00	170,010.00	
37	ST	228,970.00	226,970.00	





38	SC	1,837,220.00	1,835,720.00	
39	OEC	256,961.00	256,961.00	
40	Higher Education Scholarship	580,000.00	580,000.00	
41	Afghan Student	198,362.00	198,362.00	
42	University exam fee collected & remitted	698,425.00	698,425.00	
43	University exam remuneration & disbursed	112,483.00	112,483.00	
44	University exam (SDE) remuneration & disbursed	443,573.00	443,573.00	
45	Company secretary remuneration & disbursed	180,580.00	180,580.00	
46	ICAI Examination remuneration & disbursed	215,496.00	215,496.00	
47	CA Examination remuneration & disbursed	557,634.00	557,634.00	
48	ASSAP remuneration & disbursed	118,250.00	118,250.00	
49	CPT remuneration & disbursed	96,303.00	96,303.00	
50	KSCSTE	2,101,540.00	2,101,540.00	
51	Sports Hostel	607,471.00	607,471.00	
52	Sports and hostel advance return to manager	90,800.00	90,800.00	
53	Endowment	30,000.00	30,000.00	
54	Miscellaneous Cheque collected and disbursed	1,018,396.00	1,019,295.00	
55	Honorarium	6,000.00	6,000.00	
56	DD Collected & Paid	7,488.00	10,301.00	
57	NCC	149,205.00	149,205.00	
58	NSS	44,000.00	44,000.00	
59	Advance from Manager Community College	207,112.00	207,112.00	
60	Advance returned to Manager Additional Grant	442,900.00	442,900.00	
61	Advance from Manager Autonomous	987,800.00	987,800.00	
62	Advance returned to manager (Autonomous)	969,329.00	969,329.00	
63	Advance from manager B.Voc.	108,572.00	108,572.00	
64	Advance returned to manager B.Voc.	108,572.00	108,572.00	
65	Advance from Manager XIIth plan	4,668.00	4,668.00	
66	Advance from manager maintenance & paid	111,196.36	111,196.36	
67	Advance from manager contingency & paid	259,392.00	259,392.00	
	Closing Balance		4,200.00	





	<b>Total</b>	<b>128,521,856.16</b>	<b>128,521,856.16</b>	
	<b><u>UGC Account</u></b>			
1	UGC A/c No. 56040 Opening	10,126,015.00		
	Advance from Manager	1,194,912.00		
	Sanctioned	8,056,599.00	14,688,320.00	
2	UGC 68851 Opening	537,354.00	392,404.00	
3	UGC 68837 Opening	162,689.00		
	Sanctioned	2,506,013.00	2,634,590.00	
4	UGC 63584 Visual Opening	6,385.00		
5	UGC 64734 FIST	68,115.00		
	Closing Balance		4,942,768.00	
	Total	<b>2,26,58,082.00</b>	<b>2,26,58,082.00</b>	



## Criterion VII

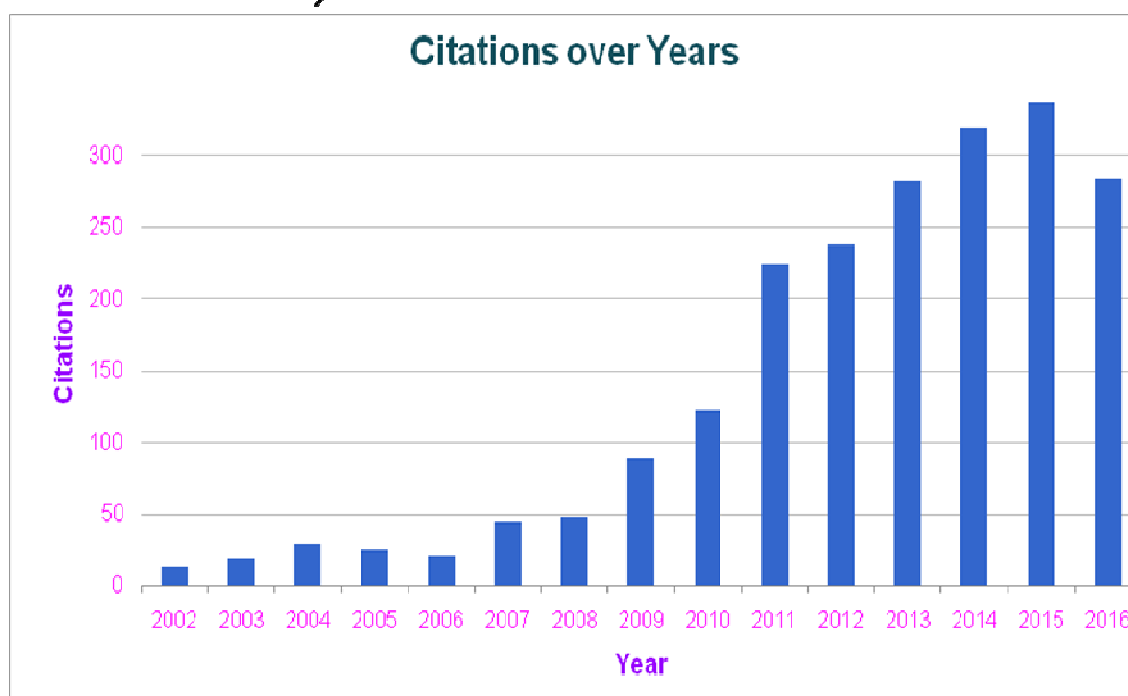
### Innovations and Best Practices

**7.1.** The College has a policy of utilizing natural resources available. To minimize the wastage of water the college in 2016 decided to take significant steps. For this 10 overhead water tanks, each of 1500 liters and a 2 lakh liters reservoir-well were constructed. The water collected is used in canteen, for drinking and as distilled water in Chemistry Lab. A solar panel was set up near the canteen to provide electricity for the uses in the canteen.

#### 7.2 Innovations

The citation counts of St. Thomas' College faculty in Google Scholar for the year 2016 were updated and is given below

- Citation Analysis*



<https://scholar.google.com/citations?user=Qr1ThFcAAAAJ>



## Graduation Ceremony 2016



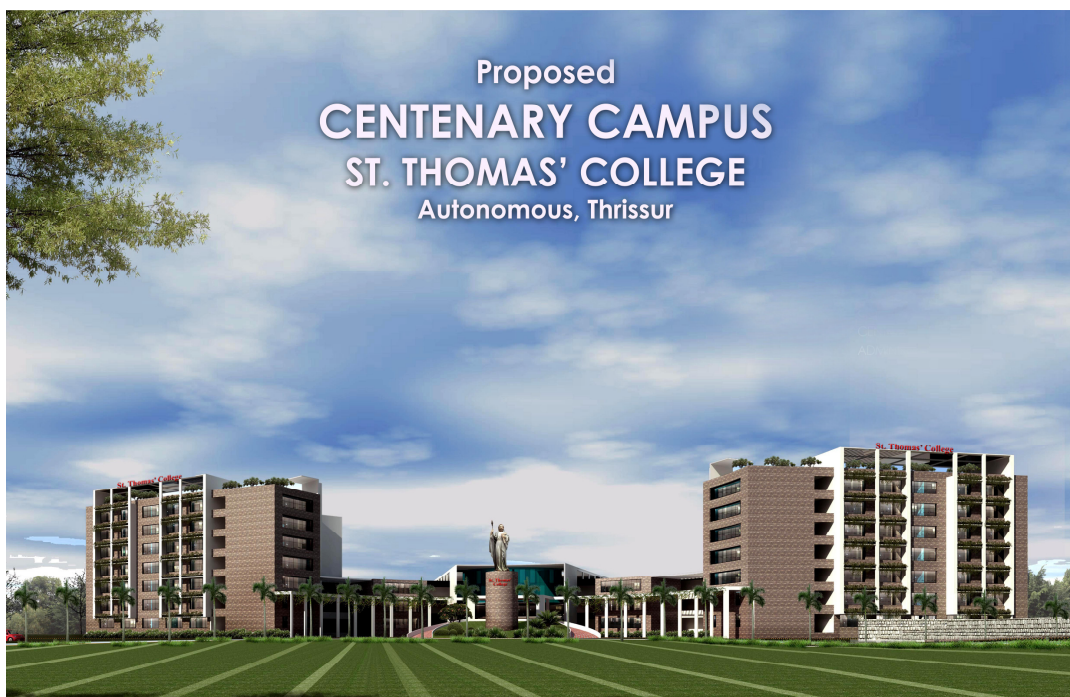
Dr. Muhammed Basheer, Vice Chancellor, University of Calicut awarding the degree.

Prof. C. Raveendranath, Minister of Education, Govt. of Kerala, alumnus and retired teacher of St. Thomas' College inaugurating the Palocaren Square on 23<sup>rd</sup> September 2016.





## Proposed Centenary Campus



Foundation stone blessing and laying ceremony of the centenary campus by His Grace Mar. Andrews Thazhath on 16 Aug 2016 in the presence of Hon'ble Minister of Agriculture Adv. V.S. Sunilkumar.

