

ST. JOSEPH'S COLLEGE (AUTONOMOUS) DEVAGIRI

A College with Potential for Excellence Affiliated to the University of Calicut Calicut, Kerala – 673008

SUPPLEMENTARY REPORT 2015-16

(For Institutional Re- Accreditation Cycle 3)

Submitted to

National Assessment and Accreditation Council (NAAC)

SUPPLEMENTARY REPORT 2015-16

INTRODUCTION

The Self Study Report in respect of the third cycle of accreditation was uploaded in the college website in December 2015, and the hardcopy of the same was submitted to the NAAC in January 2016. This Supplementary Report sums up the activities, achievements and developments of the institution after the submission of SSR.

• Name and Address of the College:

Name : St. Joseph's College (Autonomous), Devagiri

Address : Medical College P.O.

Kozhikode - 673008, Kerala

Website : www.devagiricollege.org

• For communication:

Designation	Name	Telephone	Mobile	Email
		Number		
Principal	Dr. Sibichen M.	04952355828	9387476646	sibithomasm@yahoo.co.in
1 mospus	Thomas	0495 2359528	. 7367470040	5.62.0.00.00.00.00.00.00.00.00.00.00.00.00.
Vice	Fr. Anto N. J.	04952355901	9605254544	antodevagiri79@gmail.com
Principal	11.7 mto 14. J.	04952355134	7003234344	antoacvagnii/) @ gman.com
Steering				
Committee	Dr. Baby M. K.	04952380716	9847422340	babymkdevagiri@gmail.com
Co-ordinator				

CRITERION I: CURRICULAR ASPECT

1.1. Curriculum Design and Development

The College responded to the newly obtained autonomy by restructuring and revamping its

PG syllabus with effect from 2016 admission. The syllabus revision was preceded by

workshops at the department level attended by faculty and external experts. The feedback of

the alumni and the requirements of the industry were also taken into account. With the

objective of updating the contents and fine-tuning the courses to the syllabi of the NET/JRF

examinations, various Boards of Studies have revised the syllabi to the extent of

approximately 20% of the existing ones.

The institution introduced indirect grading system with seven point scale for evaluation for

the PG programmes. With a view to improving the efficiency of the evaluation system the

College introduced viva voce examinations in even semesters instead of a single course viva

voce at the end of the programme. Some of the Boards of Studies have introduced viva voce

examinations in every semester.

1.2. Curriculum Enrichment

With a view to ensuring the optimum utilisation of the institutional facilities, various science

departments have introduced new / additional practical sessions and new electives into the

curriculum.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1. Student Enrolment and Profile

The College subscribed to admission module of the campus automation software and

admissions to all the UG and PG programmes for 2015-16 and 2016-17 were processed

online. To ensure wider publicity to the admission process the College conducted press

conference and published the notification and prospectus on the College website. The College

admission committee with Principal as the chairman and Dr. Joy Joseph as the convener

could complete the admission process efficiently and classes were commenced nearly one

month ahead of other affiliated colleges of the parent university.

2

Number of Students in Different Streams (2015-16)

Particulars	Number of	Number of Students
Tarticulars	Programmes	Number of Students
Science		
Under Graduate	8	909
Post Graduate	6	156
Doctorial Research	5	
Arts		
Under Graduate	4	472
Post Graduate	3	118
Doctorial Research	1	
Commerce		
Under Graduate	2	302
Post Graduate	1	39
Doctorial Research	-	-
Any Other (MSW, BBA)		
Under Graduate	1	91
Post Graduate	1	39
Doctorial Research	-	-
Total	-	2126

The IQAC conducted an analysis of the profile of the newly admitted students and the following results were obtained.

Profile of Students Admitted During 2015-16

UNDER GRADUATE PROGRAMMES							
Programme	M	F	SC	ST	OBC	Others	Total
BA English	12	29	8	-	12	21	41
BA Economics	26	35	12	-	14	35	61
BSc Mathematics	11	39	10	-	14	26	50
Physics	16	31	8	-	5	34	47
BSc Chemistry	16	32	10	1	11	26	48
BSc Botany	10	27	6	1	9	21	37
BSc Zoology	11	26	7	1	17	12	37
BCom (Finance)	23	41	9	4	13	38	64
BSc Psychology	4	20	5	-	12	7	24
BSc Computer Science	14	15	-	-	18	11	29
BCA	17	7	1	-	13	10	24
BBA	18	13	1	-	19	11	31
B.Com (Computer Appli.)	21	19	3	-	21	16	40
BA Functional English	4	20	-	-	16	8	24
BA Mass communication	16	24	-	-	22	18	40

	POST GR	ADUATE	PROCI	PAMMES			
Programme	M	F	SC	ST	OBC	Others	Total
MA English	3	17	3	1	3	13	20
MA Economics	4	15	3	-	8	8	19
MA Malayalam	7	12	1	1	12	5	19
MSc Mathematics	-	19	4	-	2	13	19
MSc Physics	-	12	2	-	1	9	12
MSc Chemistry	-	12	2	-	3	7	12
MSc Botany	4	5	1	-	3	5	9
MSc Zoology	-	12	2	1	4	5	12
MSc Statistics	1	11	-	-	5	7	12
M.Com	8	12	3	1	4	12	20
MSW	8	12	1	-	7	12	20
Total	254	517	102	11	268	390	771

Female - Male Ratio

Year	Ratio
2015-16	2.04:1

Demand Ratio of UG Programmes (2015-16)

Programmes	No. of	No. of students	Demand ratio
	Applicants	admitted	
BA Economics	1152	61	18.88
BA English	1787	41	43.58
B.Sc Mathematics	1427	50	28.54
B.Sc Physics	1891	46	41.10
B.Sc Chemistry	2085	48	43.43
B.Sc Botany	1068	35	30.51
B.Sc Zoology	1739	35	49.68
B.Com (Finance)	1541	64	24.07
BCA	647	24	26.95
B.Sc Computer Science	393	29	16.37
BBA	1094	31	35.29
B.Com CA	1204	38	31.68
B.Sc Psychology	673	24	28.04
BA Functional English	414	23	18
BA Mass Communication	434	38	11.42

Demand ratio of PG Programmes (2015-16)

Programmes	No. of	No. of students	Demand ratio
	Applications	admitted	
MA Economics	101	19	5.31
MA English	215	19	11.31
M.Sc Mathematics	144	19	7.57
M.Sc Physics	152	12	12.66
M.Sc Chemistry	145	12	12.08
M.Sc Botany	149	9	16.55
M.Sc Zoology	165	12	13.75
M.Com	73	19	3.82
MSW	71	19	3.73
M.Sc Statistics	62	11	5.63
M.A. Malayalam	66	19	3.47

2.3. Teaching-Learning Process

Academic calendar was prepared by the IQAC and approved by the College Council and the same was published on the college website. The faculty were asked to prepare and submit teaching plan to ensure timely completion of the topics. With a view to supplementing the class room learning a number of prominent experts/academicians were invited to interact with the students.

List of Prominent Experts who Interacted with the Students (2015-16)

Name	Designation			
	ECONOMICS			
Ms. Shamin Sebastian	Deputy Collector, Kozhikode			
C.R. Neelakantan	Famous Social Activist			
Mr. G. Chandramouli	Managing Director, Kannur International Airport			
Prof. Kunhikannan	Dean and Visiting professor, Department of Sociology, Malayalam University			
Dr. Manjula K.	Associate Professor, Department of Economics, MA College, Kothamangalam			
Mr. Arun Kumar T. A.	Assistant Professor, Department of Economics, Govt. College, Kattappana			
Mr. Jasir C.	Convener, Anti-Eviction Forum, Calicut Airport			

COMMERCE			
CA Mohan R. Levi	Finance Director, Ellucian Higher Education Systems		
Dr. B. Johnanson	Asso. Prof. DCMS, Calicut		
Dr. Rajesh S.P.	Asso. Prof. Chinmaya Institute of Technology, Kannur		
Dr. T. Mallikarjunappa	Professor, Manglore University		
Adv. A. V. Vamanakumar	JCI International Trainer, Cochin		
Mr. Kishore Jaleel	Facilitator of Campus Connect, Rajagiri Centre for Business studies		
Mr. M. Nishad Gopuram	Director, TIME, Kozhikode		
CA Ramakrishnan V.	Chartered Accountant		
Adv. Dinesh A.	Director, Jobsecura Finishing School		
	PHYSICS		
Dr. M. K. Ravi Varma	HoD, Department of Physics, NIT, Calicut		
Dr. Jacob Philip	Professor, Amal Jyothi College of Engineering		
Dr. Kishore Sridharan	DST INSPIRE Faculty, NIT, Surathkal		
Dr. Nandakumar	Professor, M G University, Kottayam		
Dr. Reji Philip	Associate Professor , RRI – Bangalore		
Dr. Jayant Gangully	Regional Science Centre, Calicut and sky watch		
Dr Abraham T. Mathew	Dean, NIT Calicut		
Dr M. K. Satheesh Kumar	Professor - Department of Electronics & Communication Engineering, Manipal University		
Dr Jeevan Job Thomas	Popular writer and motivator		
	Chemistry		
Prof. Thomas Mathew	Senior Scientist (Member of Nobel Prize winning group), Loker Hydrocarbon Research Institute, University of Southern California		
Dr. Suresh Das	Vice President, KSCSTE, Trivandrum		
Dr. R. Damodaran	Professor, IIT Madras		
Dr. G. Vijay Nair	Organic Chemistry Section, National Institute of Interdisciplinary Science and Technology (NIIST), CSIR. Trivandrum		
Prof. Raveendran P.	Asso. Prof., Department of Chemistry, University of Calicut		
Dr. Nishanth K.G	Materials Science and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram		

Prof. Muraleedharan K. M.	Department of Chemistry, IIT Madras, Chennai	
Dr. P.S. Harikumar	Scientist F & Head, Water Quality Division, Centre for Water Resources Development and Management, Kozhikode.	
Prof. Rani Joseph	Emeritus Professor, Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Cochin, Kerala, India	
Mini P Balakrishnan	Head, Department of Physics, Providence Women's College, Kozhikode	
	BOTANY	
Dr. V. S. Ramachandran	Professor (Rtd.), Department of Botany, Bharathiar University Coimbatore	
Dr. Sharad Kamble	Department of Botany, Goa University, Goa	
Dr. Sunoj kumar. P	Department of Botany, University of Calicut, Calicut University P.O, Malappuram Disrict, Kerala	
Dr. A.K. Pradeep	Department of Botany, University of Calicut, Calicut University P.O, Malappuram Disrict, Kerala	
Dr. G. Gnanasekaran,	Botanical Survey of India (BSI), Southern Regional Centre (SRC), TNAU Campus, Lawley Road, Coimbatore	
Dr. Santhosh Nampy	Director, Directorate of Research, College Development Council University of Calicut, Kerala	
	ZOOLOGY	
Dr. N. T. Sajan	Dy. Conservator of Forests, Social Forestry Extension Division , Mathottam	
Dr. T.P. Rajagopal	Professor, Dept. of Pulmonary Medicine, Calicut Medical College	
P.P. Muhammed Musthafa	MD, Metro International Cardiac Centre, Calicut	
Dr. P. V. Narayanan	Principal, Medical College, Calicut	
	ENGLISH	
Mr. Rafeeq Ahmed	Famous Lyricist and Poet, Kerala State Film Award Winner	
Mr. Veerankutty	Renowned Malayalam poet, Associate Professor in Dept. of Malayalam Govt. College Madappally	
	COMPUTER SCIENCE	
Mr Haris N.P.	CEO, Baabte System Solutions ,	
Prof. Dilbagh Singh Broca	XLRI - Xavier School of Management , Jamshedpur	
Dr. Sebastian M. P.	Chairperson, Information Technology & Systems, IIM Calicut	
Dr. Lajish V.L.	Asst. Prof., Department of Computer Science, University of Calicut	
Dr. Ragagopalan Anayath	System Analyst, NIT Calicut	

PSYCHOLOGY			
Dr. C. Jayan	Head, Department of Psychology, University of Calicut		
Dr . Sandeesh	Clinical Psychologist. Govt. Mental Hospital, Calicut		
	MASS COMMUNICATION		
Mr. Benny Kurian	Junior Chamber International Certified Head Trainer		
Mr. C. Krishnakumar	Programme Producer, Akashavani		
Dr. Lissy Manjooran	Head of the Department of English, Malabar Christian College		
	BUSINESS MANAGEMENT		
Mr. N. Prasanth I.A.S	District Collector, Calicut		
Mr. Puneet Jain	Director, ShreeHans Group		
Mr. T.N.M Jawad	CEO, TNM Online Solutions		
Mr. Radhakrishnan K.G.	Director, WebNamaste		
Dr. M. K. Muneer	Honourable Minister of Social Welfare and Justice		
Adv. M. Veerankutty	Chairman, Minority Rights Commission		
Dr. T.P Ashraf	Director, KSSM		
Dr. P. Mohan	Pro Vice Chancellor, Calicut University		
Mrs. KC Rosakutty	Chairperson, Kerala State Women's Commission		
Mr. Imamul Hassan	Winner, Sarvodhaya Award for Social Service		
	MALAYALAM		
K. P. Ramanunni	Short Story writer, Novelist		
T. K. Santhosh	Director		
V. E. Balakrishnan	Course Director, Calicut Press Club		
T. D. Ramakrishnan	Novelist		
Indumenon	Novelist		
P K Paarakadavu	Short Story Writer		
M. M. Basheer	Writer		
Shihabudeen Poythumkadavu	Short Story Writer		
Rishikesh	Swathandramalayalam Computing Software Engineer		
Praveen Kumar	Swathandramalayalam Computing Software Engineer		

2.4. Teacher Quality

Faculty Members Appointed During 2015-16

	Permanent Teachers (Aided)			
Department	Name of faculty	Qualification		
Botany	Dr. Binu Thomas	MSc., M.Phil., Ph.D.		
Physics	Dr. Shinto P. Mathew	M.Sc., Ph.D., PDF		
	Dr. Nijesh K. James	M.Sc., Ph.D., PDF		
Chemistry	Dr. Aneesh P.	M.Sc , Ph.D.		
	Dr. Jomon Mathew	M.Sc , Ph.D. PDF		

Details of Faculty in Respect of Qualification as on 1st July 2016

Highest	Associate Professor		Assistant Professor		Total		
Qualification	Male	Female	Male	Female	Total		
Permanent Te	Permanent Teachers (Aided)						
PhD	24	-	11	7	42		
M. Phil	3	-	4	2	9		
PG	2	-	10	8	20		
Management-	Paid Teachers	S					
PhD	-	-	-	-	-		
M. Phil	-	-	1	2	3		
PG	-	-	8	24	32		
Guest Faculty							
PhD	-	-	1	1	2		
M. Phil	-	-	2	-	2		
PG	-	-	2	7	9		
Total	29	-	39	51	119		

2.4.10 Details of Participation in Staff Development Programmes

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	4
Orientation programmes	6
Workshops	12
Orientation programmes organized by college	102

2.6. Student Performance and Learning Outcomes

Programme-wise Pass Percentage and Completion Rate of UG programmes (2015-16)

Programme	Students	Pass %	Distinction
	Appeared		(Nos.)
BA Economics	56	85.7	25
BA English	32	93.8	25
B.Sc Mathematics	48	93.8	38
B.Sc Physics	46	93.5	34
B.Sc Chemistry	42	90.5	31
B.Sc Botany	32	93.8	29
B.Sc Zoology	32	87.5	23
B.Com Finance	60	91.7	44
BCA	24	95.8	10
B.Sc Computer Science	23	91.3	11
BBA	28	68	8
B.Com Computer Application	36	75	13

Programme-wise Pass Percentage and Completion Rate of PG programmes (2014-15)

Programme	Students Appeared	Pass %	Distinction (Nos.)
MA Economics	18	94	5
MA English	20	80	8
M.Sc Mathematics	21	86	8
M.Sc Physics	11	90	4
M.Sc Chemistry	12	91	7
M.Sc Botany	11	91	6
M.Sc Zoology	10	70	7
M.Com	19	90	13
MSW	18	61	0
M.Sc Statistics	9	89	0

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1.5. Collaborative Research

• **Dr. Sabu K. Thomas**, Associate Professor in the P.G. & Research Department of Zoology has begun a collaborative research with **Dr. Ilkka Aulis Hanski**, Metapopulation Research Group, Department of Biological and Environmental Sciences, University of Helsinki, Finland.

3.1.8. National Conferences/Seminars/Workshops Organised by the College

National Seminars/ Conferences/Workshops Conducted by the College (2015-2016)

Seminars/	Resource Persons	Date
Conferences/		
Workshops		
	COMMERCE	
UGC Sponsored National Seminar on IFRS in India: Opportunities and Challenges	 CA Mohan R Levi, Finance Director, Ellucian Higher Education Systems Dr. B Johnson, Asso. Prof. DCMS, Calicut CA Ramakrishnan V, Chartered Accountant Dr. Rajesh S P, Asso. Prof. Chinmaya Institute of Technology, Kannur Dr. T Mallikarjunappa, Professor, Manglore University 	3 & 4 March, 2016
	ECONOMICS	
UGC Sponsored National Seminar on Displacement for Development	 CR Neelakantan, Renowned Social Activist Mr. G Chandramouli, Managing Director, Kannur International Airport Prof. T P Kunhikannan, Malayalam University Dr. Manjula K, Asso.Professor, M A College, Kothamangalam Mr. Arun Kumar TA, Asst. Professor, Govt. College, Kattappana Mr. Jasir C, Convener, Anti Eviction Forum. 	28 March, 2016
	Calicut Airport PHYSICS	
UGC Sponsored National Seminar on Frontiers of Materials Science (NASFOMS)	 Dr M K Ravi Varma, HOD Physics, NIT Calicut Dr Jacob Philip, Amal Jyothi College of Engineering, Dr Kishore Sridharan, NIT Surathkal Dr Nandakumar, M G university Dr Reji Philip, RRI Bangalore 	24 & 25 February, 2016
	CHEMISTRY	
UGC Sponsored National Seminar on Green Strategies and Technologies	 Dr. G. Vijay Nair Organic Chemistry Section, National Institute of Interdisciplinary Science and Technology (NIIST) CSIR. Trivandrum Prof. Raveendran P., Associate Professor, Department of Chemistry, University of Calicut Prof. Rani Joseph, Emeritus Professor, Department of Polymer Science and 	7 & 8 February 2016

	 Rubber Technology, Cochin University of Science and Technology Dr. P. S. Harikumar, Scientist F & Head, Water Quality Division, Centre for Water Resources Development and Management, Kozhikode. Prof. Muraleedharan K. M., Department of Chemistry, IIT Madras Dr. Nishanth K.G.; Materials Science and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), BOTANY 	
	2011111	
UGC Sponsored national workshop on Botanical Nomenclature	 Dr. V. S. Ramachandran, Professor (Rtd.) Department of Botany, Bharathiar University Coimbatore Dr. Sharad Kamble, Department of Botany, Goa University Dr. Sunoj Kumar. P, Department of Botany, University of Calicut Dr. A.K. Pradeep, Department of Botany, University of Calicut Dr. G. Gnanasekaran, Botanical Survey of India (BSI), Southern Regional Centre (SRC), Coimbatore Dr. Santhosh Nampy, Director, Directorate of Research & College Development Council, University of Calicut 	09 to 11 March 2016
UGC assisted National Seminar on Autonomy and Quality Assurance	 Dr. M. Sabu, Director, IQAC, University of Calicut Mr. B. S. Ponmudiraj, Regional Coordinator, NAAC Dr. Joe G. M. Jesudurai, Professor, Loyola College (Autonomous), Chennai 	27 February 2016

Major/Minor Projects Sanctioned since 2015-16

Invigilator	Title	Agency	Amount
		and Period	(Rs.)
Dr. Tania	Preparation and Characterisation of HDPE/	SRS-	25,25,400/-
Francis	Nanochitosan/ Nanohydroxyapatite Bio	KSCSTE	
	Composites	2016-2019	
Dr. Manoj	Infrastructure Strengthening of Post Graduate	SARD	26,01,024/-
Mathews	and Research Department of Chemistry, St.	2016-2019	
	Joseph's College Devagiri Calicut		
Dr. Jose John	Exploration of Silylene and Silene Chemistry	UGC	4,00,000/-
Mallikasseri	and Applications in Catalysis: In Silico	2016-2017	
	Approach		
Dr. Saumya	Design of Phosphate, Silicate and Arsenate	UGC	4,90,000/-
Varghese	Potentioselective Electrode Based on Flotation	2016-2017	
	and Preconcentration Of Hydrophobic Multi		
	Component Ion Associates of Heteropoly		
	Molybdate and Cationic Base.		

3.3. Research Facilities

Major Equipments Procured Since 2015-16

Sl. No	Description	Value (Rs.)
1.	UV Visible Spectrophotometer	3,82,500
2.	Rotary Evaporator	3,75,000
3.	Gaussian 09 Multiprocessors 32 bit for Windows	1,44,900/-
4.	Server Lenovo	2,24,500/-

3.4. Research Publications and Awards

Research Publications

Sl. No.	Bibliography	Impact factor	Journal ISSN No	National / Internat ional
	K.M. Prabhu Kumar, Indira Balachandran, V.B. Sreekumar, K.S.			
	Ramya, Satheesh George, &K.J. Dantas and Suma Arun Dev.			Internati
1.	2015. Gymnostachyumwarrieranum (Acanthaceae), a new	.359	0075-5974	onal
	species from the Western Ghats of India, based on morphological			

	and molecular data. Kew Bulletin. 70(2).			
2.	Robi A.J., Satheesh George and K.V. Tushar. 2015. Litseaudayanii (Lauraceae) – A new species from Southern Western Ghats, India. Phytotaxa. 222(1)-0044-0050.	1.318	1179-3155	Internati onal
3.	SadheeshnaKumari S., Geetha S.P., Satheesh George and Indira Balachandran. 2015. Characterisation of Baliospermumsolanifolium (Burm.) Suresh. Genotypes for Morphological Traits and Propagation Efficiency. Devagiri Journal of Science. 1(1)-61-69.		2454-2091	Internati
4.	Manudev K.M. & Santhosh Nampy2016. Lectotypification of Arisaemaconsanguineum Schott (Araceae). Candollea 71: 23-26.		ISSN: 0373-2967 - Online ISSN: 2235-3658	Internati onal
5.	Syam Radh S., Santhosh Nampy & Manudev K.M . 2016.A synopsis of the genus Amischotolype (Commelinaceae) in India with one new record, A. monosperma (C.B. Clarke) I.M. Turner from Andaman & Nicobar Islands and lectotypification of A. hookeri (Hassk.) H. Hara. International Journal of Advanced Research (2016), Volume 4, Issue 4, 427-434.		ISSN 2320-5407	Internati onal
6.	Manudev, K.M. & SanthoshNampy2016. Neotypification of Arisaemamurrayi (J. Graham) Hook. (=Arum murrayi J. Graham) (Araceae) Taiwania 61(1): 58-60.		ISSN 0372- 333X	Internati onal
7.	Joseph, S.M., Manudev, K.M ., Alfred Joe & S. Nampy2016. <i>Commelinaafricana</i> L. subsp. <i>zanzibarica</i> Faden, a new record of an African species of Commelinaceae from Asia. <i>Rheedea</i> 25(2): 153-155.		ISSN 097 1-2313	Internati onal
8.	Udayan, P.S., Robi, A.J., Manudev, K.M .&Sujanapal, P. 2016. Cuscutakrishnae(Convolvulaceae), a new species from Southern Western Ghats, Kerala, India. <i>Webbia</i> http://dx.doi.org/10.1080/00837792.2015.1119408		ISSN- 0974-1992	
9.	Dutta, S. & Manudev K.M. 2015. (111) Proposal to amend Recommendation 40A.3. <i>Taxon</i> 64(6): 1341.	3.3	ISSN 0040-0262 (Print); ISSN: 1996-8175	

		(Online)	
10.	Manudev, K.M. & SanthoshNampy2015. <i>Arisaemapeltatum</i> (Araceae): an endemic cobra lily recollected after type collection from southern Western Ghats, with notes on its taxonomic status. <i>ENVIS News Letter</i> 20(1): 4.	ISSN- 0974-1992	
11.	Manudev K.M., A.J. Robi&SanthoshNampy 2015. Eriocaulonbiappendiculatum, a new species of Eriocaulaceae from southern Western Ghats, India. Edinburgh Journal of Botany 72 (2): 219–223.	ISSN 0960-4286 (print) ESSN 1474-0036 (online)	
12.	Manudev K.M., SanthoshNampy& P.G. Arunkumar2015. ArisaemaciliatumH.Li var. liubaenseGusman& Gowda (Araceae), a new record of India. Pleione9(1): 226 - 230.	ISSN 0973-9467	
13.	Binu Thomas, Chinchu Krishna, M., Anish Babu, V.B. and Antony V.T. 2016. Antidiabetic herbal formulations which are prepared from the leaves of some potential medicinal plants. <i>South Ind. J. Biol. Sci.</i> , 2(1); 9-13	ISSN: 2454 - 4787	Nationa 1
14.	Murugeswaran, R., Rajendran, A., Binu Thomas and Venkatesan, K. 2016. Potential Plants of Southern Western Ghats of Coimbatore District, Tamil Nadu, India with special reference to Indian system of medicine. <i>Int. J. Biopharmaceut.</i> , 7(1): 24 – 34.	ISSN: 0976-1047	Internati onal
15.	RenjiniHaridas, Manorama, S., Sindhu, S. And Binu Thomas 2016. Potential bioactive components of <i>Malaxis rheedei</i> SW. (Orchidaceae). <i>Int. J. Exp. Pharmcol.</i> , 6(1): 11-15.	ISSN: 2248-9169	Internati onal
16.	Renjini Haridas, Manorama, S. and Binu Thomas 2016. Phytochemical characterization of potential bioactive compounds from medicinal orchid: <i>Malaxis Rheedei</i> SW. <i>Int. J. Pharmcol. Screen. Methods</i> , 6(2): 53-56.	ISSN: 2249-7749	Internati onal
17.	Chithra, K.N., Chinju Shaji and Binu Thomas 2016. Evaluation of major phytochemical constituents of two edible fruit yielding species of Annonaceae: <i>Annona muricata</i> L. and <i>Annona</i>	ISSN: 2320 -3862	Internati onal

	reticulata L. J. Med. Plants Stud. 4(4): 198-202		
18.	BinuThomas and Nobin Mathew 2015. Ethnomedicines used against diarrhoea and dysentery by <i>Kattunayakkan</i> tribe of Nilambur, Malappuram District, Kerala. <i>mRNA</i> 4 (8&9): 11-16	ISSN: 2319-2747	Internati onal
19.	Binu Thomas and Rajendran, A. 2015. Exotic Chasmophytes of Southern Western Ghats of Coimbatore District, Tamil Nadu, India. <i>mRNA</i> 4(6&7): 20-26.	ISSN: 2319-2747	Internati onal
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- Vineesh P.J. (2015): Diversity and succession of staphylinidae beetles in cattle dung in Govindapuram, Kozhikode district, Kerala, India. In Biodiversity and Evaluation: Proceedings of the International Conference on Perspectives and Paradigm shifts. Bijoy nandan et al. eds.) held from 2 to 3 of December 2015. ISBN 978-93-80095-70-7

- **Jisha Jacob**, A study of impact of pollution on fishes in Chaliyar river- A Preliminary study. Proceedings of International conference on environmental stress and aquatic animal health (ESAAH-2016). Pp. 30-34. Govt. College for Women, Trivandrum. ISBN: 978-93-5258-826-8.
- Asha Mathew: "Financial Inclusion in Rural India: Experiences & Experiments",
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- Thomachan K T and Anish Sebastian "Financial Development and Economic Growth in India – A Co integration Analysis". Education, Innovation and Entrepreneurship – A Developmental Perspective, C.K.G.M. Govt. College Perambra, March 2015. ISBN 9788192839516
- Jasmine VM, Presented a paper titled "Investors attitude and preference towards Stock Market" in the National Workshop on "Research Methodology & SPSS organised by PG Department of commerce and management studies, Sreekrishnapuram V T Bhattathiripad College, Mannampetta, Palakkad on 17th to 19th November 2015. ISBN: 978-81-8411-567-3
- Shobha CV, A paper Presented and published on the topic Pradhanmantri Jan-dhan Yojana An Innovative step towards financial inclusion in the UGC sponsored National Workshop on Research Methodology & SPSS organised by post Graduate department of commerce and management studies, Sreekrishnapuram V.T. Bhattathiripad college, Mannampatta, Palakkad (a handbook of commerce) sonali Publication on 17th to 19th November 2015. ISBN: 978-81-8411-567-3

BOOKS AND CHAPTERS IN BOOKS OF THE FACULTY

- Binoy Varakil, My Unlucky Girl and other poems, Authors Press Publications, Kozhikode, 2015 ISBN-9781517436753
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Publishing, Switzerland, 2015, DOI: <u>10.1007/978-3-319-18293-3_7</u>. ISBN: 978-3-319-18292-6 (Print) 978-3-319-18293-3 (Online).

Details of faculty served as Resource Persons/ Experts/ Chairpersons (2015-16)

	Regional	National	International
Paper presented	-	27	12
Resource Person	6	16	-
Chairperson	-	3	-
Attended	9	87	3

Awards and Achievements of the Faculty & Students (2015-16)

- 1. **Manudev K.M., IAPT award** for the best paper presentation in the XXIV Annual Conference of Indian Association for Angiosperm taxonomy (IAAT) held at Department of Botany, University of Calicut, Kerala, on 19-21 November 2015.
- 2. **Dr. S. Nagesh and Mr. Dennis Joseph** received Best Paper award by International Journal of English and Literature (IJEL) 2015.
- 3. **Ms. Swapna V.P.**, Research Scholar, won Best Poster Award (ISCA Best Poster Award) in Material Science section in the 103rd Indian Science Congress held at University of Mysore, 3-7 January 2016.
- 4. **U.S. Aswin, R. Arjun Vinayak, P.M. Theertha Ramesh, H. Haritha, K. Arjun,** Excellence Award in National Robotics Championship held at IIT Mumbai the only team from an Arts and Science college selected for the event.
- 5. **Ms. Deepa S.** MSc Zoology student, received the Best Paper Award at the International Conference on *Environmental Stress and Aquatic Animal Health*, 24th February, 2016.

Discoveries by the Faculty (2015-16)

Species discovered New to Science

- 1. Ceropegia Nampyana Manudev et al. (International Journal of Advanced Research, 2015)
- 2. Cuscuta krishnae Robi et al. (Webia, 2016)
- 3. Eriocaulon biappendiculatum Manudev et al. (Edinburgh Journal of Botany, 2015)

Species Reported New to India

- 1. Amischotolype monosperma (C.B.Clarke) I.M. Turner (International Journal of Advanced Research, 2015)
- 2. Commelina africana L. subsp. zanzibarica Faden (Rheedea, 2015)
- 3. *Arisaema ciliatum* H.Li (Pleione, 2015)

3.4.4. PhD Awarded under faculty

- Ms. Deepa K Baby Chemistry
- Ms. Maya Devi J. English

3.6. Extension Activities and Social Responsibility

- Visit to the Tribal Colony: The Department of Business Management conducted a visit to the tribal colony of Puthadi Village, Waynad, on 15 August 2015 and refurnished a kindergarten to highlight the importance of education in rural areas. Thirty students and six teachers of the Department visited the colony at a time when the colony was affected by monkey fever.
- **Chennai Relief**: The College Union 2015-16 with the support of the staff and students raised Rs. 1,25,000/- towards Chennai Flood Relief Fund.
- **Vayojana Dinam**: A rally was organized by the students of the college with the intention of making students aware of the needs and problems of the aged on 1 October 2015.
- **Christmas in Orphanage**: The students visited the orphanage named *Gurukulam* at Peruvayal in Calicut and celebrated Christmas with the inmates.
- Hair Donation Camp: A Hair Donation camp in association with "For You" Educational
 Charitable Trust, Kannur. was organized on 15 February 2016 in which 34 girl-students
 donated their hair for making wigs for cancer patients. Dr. P.V. Narayanan, Principal,
 Medical College Calicut was the chief guest of the programme.
- Blood Donation Camp: A Blood-Donation Camp was organised by the Department of Social Work with All Kerala Blood Donors' Forum and Govt. Women and Child Hospital, Kottapparambu, Calicut on 21 March 2016.
- Universal Children's Day: Universal Children's day was celebrated by the Department
 of Social Work at Savio Higher Secondary School in collaboration with Child Line,

- Calicut on 23 November 2015. An awareness class on child rights and abuse, drawing competition and elocution competition for high school students were organised
- World aids day: An awareness generation programme in collaboration with OISCA
 International and KASACS was organised on 1 December 2015 at Calicut railway station.

 A rally, distribution of red ribbons and brochures and an awareness class for railway
 workers were the highlights of the programme
- **Tobacoo Free Campaign:** The Social Work Department organised a tobacco free campaign in Calicut Moffusil Bustand on 11 March 2016 in collaboration with the Govt Beach Hospital and National Tobacco Control Programme (NTCP). Awareness classes, distribution of badges and one to one campaign were conducted.
- Organic Farming Promotion Programme: Promotion of organic farming programme
 was organised for Kudumbashree units of 8 ward in the Peruvayal Panchayath on 12
 April 2016. An awareness class on the importance of organic farming, bio fertilizers,
 collection of seeds with the support of agricultural department and sowing seeds were
 conducted.
- Any Body Can Donate (ABCD): ABCD was a campaign organised by the students of
 the Department of Economics to give awareness to the students on the need of donating
 organs after death.
- Organic Cultivation: The NSS units of the College ventured into Organic Vegetable Cultivation on the Campus for propagating organic farming. The sale proceeds are utilized for helping the Pain& Palliative Care Institute, Medical College, Calicut. The earnings raised were utilized for donating 9 wheel chairs to the Palliative care Institute, Medical College, Calicut.

3.7 Collaboration

- MOU with Malabar Botanical Garden and Institute for Plant Sciences, Calicut
- MOU with Regional Science Centre and Planetarium, Calicut
- MOU with Zoological Survey of India, Calicut
- MOU with Indian Institute of Spices Research, Calicut

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1. Physical Facilities

Additions to Infra-Structure Facilities (2015-16)

Facility	Number
Class rooms (UG)	7
Class rooms (PG)	2
Faculty rooms	1
Conference Hall	1
Toilets	15
Office room	1
Guest room	1

Other additions to the facilities:

- WiFi connectivity has been extended to the entire campus
- The whole campus has been brought under CCTV surveillance
- LED Televisions were installed to display college news
- Access to safe drinking water has been enhanced by installing 10 more Water
 Purifiers
- Parking facility for both the staff and students has been extended.
- New Cafeteria
- With a view to enhancing facilities in the boy's Hostel, a new kitchen, separate sections for toilets and laundry have been constructed.
- More classrooms have been provided with LCD projectors
- A new reprographic machine and Printers were also procured.
- The existing PTA Hall with 200 seating capacity and one of the conference halls have been air-conditioned.
- Eight class rooms and a faculty room have been renovated by laying floor tiles.

4.2.8. Amount spent on Books and Journals

Books added to the Library

No. of New Books	No of Printed Journals	Total Amount (Rs.)
2073	125	8,03,550

CRITERION V: STUDENTS SUPPORT AND PROGRESSION

Details of Assistance from Students Welfare Fund (2015-2016)

Total amount collected during the year	Rs. 99,650
No of Beneficiaries	59
Total amount disbursed	Rs. 87,725

Financial Assistance to Students from the Government or National Agencies

Name of the Scholarship	No.	Amount
Inspire	10	8,00,000
Higher Education	187	45,50,000
Prathiba Scholarship	30	7,96,000
Central Sector Scholarship	6	96,000
Post Matric Scholarship	30	90,000
State Merit Scholarship	17	22,100
District Merit Scholarship (DMS)	13	16,250
Suvarna Jubilee Merit Scholarship (SJMS)	23	2,30,000
C H Muhammed Koya Scholarship	19	76,000
Hindi Scholarship	3	18,000
Blind/PH Scholarship (BPHFC)	5	
Snehapoorvam Scholarship	9	90,000
CH MohammedKoya Girls Scholarship	6	42,000
University Merit Scholarship	1	1,800
Indira Gandhi Single Girl Scholarship	12	3,72,000
University Rank holders Scholarship	5	1,55,000
Rajive Gandhi National Scholarship	1	30,000
Prime Ministers Scholarship	1	27,000

The details of UGC-NET/JRF Result (2015-16)

Programme	NET	JRF
Economics	1	2
Mathematics	0	1
Botany	3	0
Commerce	2	0
Social Work	2	0
Malayalam	3	0
Total	11	3

University Ranks/ Positions (2015-16)

Name of the student	Programme	Position
Ms. Anroopa Jacob	M.A. English	II
Ms. Manju A Nair	M.A. English	III
Ms. Gayathri Varma U	B.A English	I
Ms. Divya Rajeev	B.A English	П
Ms. Sindhu P.	MA Economics	Ι
Ms. Irfana P.P.	MA Economics	II
Mr. Nikhil Santhosh	MA Economics	III
Ms. Priya K.	B.Sc Mathematics	I
Ms. Ashlin Varkey	B.Sc Mathematics	II
Ms. Teena Mary Thomas	M.Sc. Mathematics	II
Ms. Bashitha V.B.	M.Sc. Chemistry	III
Ms. Chaithra M	B.Sc Botany	II
Ms. Amrutha Ravi T.	M.Sc. Zoology	I

5.3. Student Participation and Activities

Fine Arts

The college was the runner up in both Zonal and University Arts Festival in 2015-16.

Prizes won in the University and National Level Arts Fests

	I Position	II Position	III Position
University Level	15	18	5
South Zone	0	1	3
National	0	0	1

Ms. Athira K Krishnan Participated in 9th South Asian Fest 2016 conducted in Baba Saheb Bhimrao Ambedkar University Lucknow, 25 to 29 February 2016.

Sports

Vaishak S R of VI Semester (Zoology) **represented India** in the Paralimbs Indo – Sri Lankan Invitation Volleyball tournament held in Sri Lanka from 7th to 12th January 2016.

Medals Won during 2015-16

Sl No	Category	Medals
1	National	01
2	Kerala State	26
3	Inter University	04
4	Calicut University	47
5	A Zone /Kozhikode District	54
	Total	132

Major Sports Events Organized by the College (2015-16)

- Calicut University Athletic Meet
- All Kerala Inter Collegiate Basketball Tournament
- All Kerala Inter Club Cricket Tournament
- Devagiri Alumni Football Tournament
- Inter Department Tournaments
- Yoga: One month Yoga course for the staff and students
- Athletic Alumni Gathering

List of College Union Office Bearers (2015-16)

The Chairman	Jishnu PV
The Vice Chairperson	Babina Raj
The General Secretary	Sanu Polly
The Joint Secretary	Basima Shana
The UUC	Midhun M K, Nevin Mathew
The Fine Arts Secretary	Adarsh M K
The Magazine Editor	Vishnu Ramachandran
The General Captain	Murshad

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.3 Faculty Empowerment Strategy

The IQAC organised an orientation programme for the teaching staff by Dr. Sivaji Chakravorti, Director, NIT, Calicut on 23 February 2016.

6.4. Financial Management and Resource Mobilisation.

Abridged income and expenditure statement ST.JOSEPH'S COLLEGE DEVAGIRI, CALICUT-673008 Annual Financial Statement for the year ending on 31-03-2016

Sl. No.	Particulars	Receipts	Expenditure
1	Fees	15111570.00	2003090.00
2	Special Fees PD A/C	1549433.00	844907.00
3	University Fund	434650.00	634650.00
4	Salary	98346669.00	98379057.00
5	Others	26098436.00	718340.00
6	Scholarship	230790.00	331487.00
7	State Govt. Grant	3911953.00	4193221.00
8	NCC/NSS	171525.00	171525.00
9	University Exam Remuneration	265953.00	547221.00
10	Projects	3552816.00	38000050.00
11	UGC Grant	9795833.00	11172990.00
		159469628.00	156996538.00
	Opening Balance as on 01.04.2015	13168248.00	
	Closing Balance as on 31.03.2016		15641338.00
		172637876.00	172637876.00

6.5. Internal Quality Assurance System

The IQAC had 15 meetings during the academic year 2015-16. It also had several meetings with the department coordinators and took the lead in preparing the institution for the third cycle of accreditation. The IQAC took initiative to conduct the annual academic audit and the report was compiled and submitted to the principal for perusal.

CRITERION VII: INNOVATION AND BEST PRACTICES

7.1. Environment Consciousness

With a view to tap sources of renewable energy a new 10 KV solar power unit has been installed taking the institution's solar power capacity to 20 KV.

Organic Vegetable cultivation was an initiative of the NSS to sensitize the students on the adversities of the use of chemical fertilizers and pesticides.

Replacement of 35 bulbs and tubes with energy saving LED lamps has further reduced the energy consumption on the campus.