

# The Annual Quality Assurance Report (AQAR) of the IQAC 2014-2015

## Part – A

### 1. Details of the Institution

1.1 Name of the Institution	MAR ATHANASIUS COLLEGE
1.2 Address Line 1	KOTHAMANGALAM COLLEGE POST
Address Line 2	KOTHAMANGALAM
City/Town	ERNAKULAM
State	KERALA
Pin Code	686666
Institution e-mail address	mac@macollege.in
Contact Nos.	04852822378
Name of the Head of the Institution:	Dr. Leena George
Tel. No. with STD Code:	04852822378
Mobile:	9496106500
Name of the IQAC Co-ordinator:	Dr. Aby P. Varghese
Mobile:	9895823469
IQAC e-mail address:	abypvarghese@yahoo.com
1.3 NAAC Track ID	KLCOGN10194
1.4 Website address:	www.macollege.in
Web-link of the AQAR:	www.macollege.in/userfiles/aqar_2014-15.pdf

### 1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	85	2002	2009
2	2 <sup>nd</sup> Cycle	A	3.22	2010	2015

1.6 Date of Establishment of IQAC: 03/07/2006

1.7 AQAR for the year: 2014-2015

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

AQAR 2010-11 submitted on 16-06-2015 (www.macollege.in/userfiles/aqar\_2010-11.pdf)

AQAR 2011-12 submitted to NAAC online on 29<sup>th</sup> September 2012

AQAR 2012-13 submitted on 16-06-2015 (www.macollege.in/userfiles/aqar\_2012-13.pdf)

AQAR 2013-14 submitted on 16-06-2015 (www.macollege.in/userfiles/aqar\_2013-14.pdf)

1.9 Institutional Status: Affiliated College

Type of Institution

Co-education <input checked="" type="checkbox"/>	Men	Women
Urban	Rural <input checked="" type="checkbox"/>	Tribal <input checked="" type="checkbox"/> ( An area with Tribal Concentration (MHRD))

Financial Status

Grant-in-aid	UGC 2(f) <input checked="" type="checkbox"/>	UGC 12B <input checked="" type="checkbox"/>
Grant-in-aid + Self Financing <input checked="" type="checkbox"/>	Totally Self-financing	

1.10 Type of Faculty/Programme

Arts <input checked="" type="checkbox"/>	Science <input checked="" type="checkbox"/>	Commerce <input checked="" type="checkbox"/>
Law	PEI (Phys Edu)	TEI (Edu)
Engineering	Health Science	Management
Others (Specify)		

1.11 Name of the Affiliating University :Mahatma Gandhi University, Kottayam

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR

etc

University with Potential for Excellence	
DST Star Scheme	UGC-CPE <input checked="" type="checkbox"/>
UGC-Special Assistance Programme	UGC-CE
UGC-Innovative PG programmes	DST-FIST <input checked="" type="checkbox"/>
UGC-COP Programmes	Any other (Specify)

## 2. IQAC Composition and Activities

2.1 No. of Teachers	10
2.2 No. of Administrative/Technical staff	1
2.3 No. of students	2
2.4 No. of Management representatives	2
2.5 No. of Alumni	2
2. 6 No. of any other stakeholder and community representatives	1
2.7 No. of Employers/ Industrialists	1
2.8 No. of other External Experts	1
2.9 Total No. of members	20
2.10 No. of IQAC meetings held	6

### 2.11 No. of meetings with various stakeholders:

	No.
Faculty	6
Non-Teaching Staff	3
Students	1
Alumni	1
PTA	5

2.12 Has IQAC received any funding from UGC during the year?: No

2.13 Seminars and Conferences (only quality related) : Nil

2.14 Significant Activities and contributions made by IQAC

- Preparation of academic calendar
- Planning and implementation of extension programmes undertaken by various clubs and forum
- Regular feedback from the stakeholders
- Implementation of UGC schemes
- Preparation and submission of various proposals to UGC- CPE Phase II

## 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year

Plan of Action	Achievements
'We are one, We are Indians'- National Integration Programme	Patriotic fervour and a sense of national integration fostered
Programme to inculcate moral and ethical values	Secular values inculcated
Social commitment	Students extended their hands towards the needy
National and State level Seminars	Academics and experts from different parts of the country were brought together
Legal awareness programme	Awareness on legal jurisprudence
Science orientation workshops and seminars – State level	Fostered scientific temper Research skills enhanced
Green campus	A clean and healthy campus Promoted the concept of eco-friendly culture
Entry in service and remedial coaching	Students are trained to face the challenges of the competitive examinations
Campus placement	The aspirations of the student community enhanced.
Women empowerment	Mental dispositions were created
Art and Culture promotion	Fostered the cultural tradition
Share a little, care a little	Fostered community brotherhood
Personality development	Improved the emotional quotient, realized their true potential
Attainments in sports and games	An impressive track record created. Nurtured sporting talents with international standards
Anti-ragging measures	Ragging free campus
Reunion	Alumni strengthened
Funding for enhancing research in Science Departments	Research experience of faculty and students enriched Lab facilities improved
Research funding	Strengthened expertise
CPE second phase Implementation	Availed financial resources for the infrastructure development from UGC
Infrastructure augmentation	Effective teaching- learning facilitated

2.15 Whether the AQAR was placed in statutory body

	Yes	No
Management	√	
Syndicate		√
Any other body		√

Provide the details of the action taken

The executive committee of Mar Athanasius College Association discussed and approved the AQAR 2014-2015. The committee also perused the plan of action for 2015-2016 and granted permission to implement the programme.

Part – B

**Criterion – I**  
**1. Curricular Aspects**

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	4	-	-	-
PG	11	5	9	-
UG	13	-	1	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
<b>Total</b>	28	5	10	-

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

- 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options  
(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	29

1.3 Feedback from stakeholders Alumni√ Parents √ Employers √ Students √

Mode of feedback : Manual √

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.: Nil

1.5 Any new Department/Centre introduced during the year. If yes, give details.

The College has introduced a PG programme in International Business, first of its kind in Kerala.

**Criterion – II**  
**2. Teaching, Learning and Evaluation**

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
82	54	28	Nil	6 (Guest lecturers)

2.2 No. of permanent faculty with Ph.D.:33

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
03	-	-	-	-	-	-	-	03	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

Visiting faculty	-
Temporary	36
Guest lecturers	2
FIP	5

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	8	20	-
Presented papers	4	20	-
Resource Persons	1	5	1

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- 11 smart class rooms are introduced during the academic year.
- The campus is provided with Wi- Fi connectivity
- Enhanced the possibility of Web based learning
- Three seminar halls with a seating capacity of 40 are newly created
- Portable public addressing system to enhance teaching in common classrooms

2.7 Total No. of actual teaching days during this academic year:180

## 2.8 Examination/ Evaluation Reforms initiated by the Institution

- Examinations/Evaluations are conducted as per the instructions of the Mahatma Gandhi University, Kottayam.

## 2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

- Three teachers are representing the PG board of studies, Mahatma Gandhi University, Kottayam
- Six teachers are representing the UG board of studies, Mahatma Gandhi University, Kottayam

## 2.10 Average percentage of attendance of students: 85%

## 2.11 Course/Programme wise distribution of pass percentage:

Sl No	Department	Total Strength	Passed	A+	A	B+	B	C+	C	D	Pass %
1	English	38	33	-	1	9	13	8	1	1	89.18
2	Economics	31	21	-	-	3	8	6	6	2	67.74
3	Hindi	18	13	-	-	5	2	2	4	-	72
4	Sociology	28	19	-	-	-	10	9	-	-	67
5	History	32	24	-	-	-	12	7	5	-	75
6	Physics	20	17	-	1	9	1	5	1	-	85
7	Chemistry	30	28	1	6	7	9	4	1	-	93
8	Botany	28	24	-	3	8	8	5	-	-	85.71
9	Zoology	33	26		1	10	8	5	2	-	78.7
10	Statistics	26	21	-	2	4	-	9	6	-	80.75
11	Mathematics	18	16	1	2	2	4	4	3	-	88.88
12	Commerce	48	46	-	4	12	18	9	3	-	95.83
13	B Com Taxation	39	37		2	14	11	6	4	-	94.87



### PG Results

Sl No	Department	Appeared	Passed	I Class	Pass%
1	English	12	10	9	83.3
2	Economics	9	6	5	66.67
3	Physics	14	5	5	35.7
4	Mathematics	13	9	9	69.2
5	Chemistry	9	7	7	77.8
6	M Com	14	14	14	100
7	Microbiology	19	18	16	94.74
8	Biotechnology	15	13	13	86.7
9	Biochemistry	6	6	5	100
10	Zoology	12	11	9	92
11	Actuarial Science	4	4	4	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- Teacher evaluation by student feedback
- Monitoring the academic progression of students
- Maintenance of class room/lab infrastructure
- Academic Calendar

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	6
UGC – Faculty Improvement Programme	5
HRD programmes	-
Orientation programmes	2
Faculty exchange programme	-
Staff training conducted by the university	-
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	-
Others	-

#### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	43	-	-	4
Technical Staff	1	-	-	-

**Criterion – III**  
**3. Research, Consultancy and Extension**

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Creation and Maintenance of laboratory infrastructure
- Mobilize teachers to avail minor and major research projects
- Research committee to monitor the research activities
- Availed DST-FIST and UGC-CPE
- Cash incentives for research publications

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	4	1	2
Outlay in Rs. Lakhs	-	65.20	25.62	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	13	10	8	5
Outlay in Rs. Lakhs	13.61	10.61	12.55	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	20	9	Nil
Non-Peer Review Journals	-	2	-
e-Journals	-	-	-
Conference proceedings	4	-	-

*International publications*

1	Manju Kurian	Heterogeneous Fenton behavior of nano nickel zinc ferrite catalysts in the degradation of 4-chlorophenol from water under neutral conditions, Journal Water Process Engineering, doi:10.1016/j.jwpe.2014.10.011
2	Manju Kurian	Single pot benzylation of o-xylene with benzyl chloride and benzyl alcohol over pillared Montmorillonites, Polish Journal of Chemical Technology 16, 3 (2014) 69-73
3	Manju Kurian	Investigation of size dependency on lattice strain of nanoceria particles synthesised by wet chemical methods, International Nanoletters, 4,4 (2014) 73-80
4	Manju Kurian	On the efficiency of cobalt zinc ferrite nanoparticles for catalytic wet peroxide oxidation of 4-chlorophenol, Journal of Environmental Chemical Engineering 2, 63-69. 2014
5	Manju Kurian	Influence of the synthesis conditions on the catalytic efficiency of NiFe <sub>2</sub> O <sub>4</sub> and ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles

		towards the wet peroxide oxidation of 4-chlorophenol, Reaction Kinetics, Mechanisms and Catalysis, 111,2 (2014), 591-604.
6	SmithaThankachan	Effect of rare earth doping on structural, magnetic, electrical properties of magnesium ferrite and its potential use in waste water treatment, International Journal of Engineering Science and Innovative Technology 3,4 (2014) 529-537.
7	Shanti A Avirah	Phytochemical screening and evaluation of the antimicrobial potential of Coleus Amboinicus, World Journal of Pharmaceutical Research, Vol.3, No.2, 2811-2826, 2014.
8	K.B Sherly	Synthesis and catalytic activity of polysaccharide templated nanocrystalline sulfated zirconia, American Institute of Physics proc, 1576,128, 2014
9	Densely Jose	Phytochemical Analysis, Antibacterial and Hyaluronidase Activity of Three Indigenous Medicinal Plants, World Journal of Pharmacy and Pharmaceutical Sciences, vol.3, 6, 751-761 2014
10	Deepa S.	Gas sensing properties of magnesium doped SnO <sub>2</sub> thin films in relation to AC conduction. AIP Conference Proceedings 1576, 49 (2014); doi: 10.1063/1.4861977
11	Boben Thomas	Ageing effect in spray pyrolysed B:SnO <sub>2</sub> thin films for LPG sensing AIP Conference Proceedings 1620, 80 (2014); doi: 10.1063/1.4898223
12	Boben Thomas	Structural and Surface Analysis of B:SnO <sub>2</sub> Thin Films for Gas Sensing. Journal of Pure Applied and Industrial Physics, 2014, Vo.4(3):Pg 99-109
13	Aji Abraham	Pharmacognostic studies of the fruits of <i>Terminalia Bellarica</i> (Gaertn.)Roxb. Journal of Pharmacognosy and Phytochemistry 2014; 3(2): 45-52
14	Eldose A.M	Health Expenditure and Health Care Burden of Unorganized Workers in Kerala- A Perspective Analysis, International Business Review; Vol.4, Issue 4; ISSN 2249-5444, 2014
15	Eldose A.M	Role of Health Insurance Schemes to Mitigate Health Care Burden of Unorganized Workers – An Analytical Study; International Business Review; Vol.4; Issue 4; ISSN 2249-5444, 2014.
16	Eldhose A.M	Structure of Unorganised Sector in India-An Analysis with focus on Kerala IFRSA Business Review Vol.5, Issue I, ISSN, 2249-5444, 2015
17	Sheeba Abraham	A case study analysis of the Impact of Paddy land conversion in Kerala; IFRSA Business Review; Vol.5 Issue I; ISSN 2249-5444
18	Rajesh K. Thumbakara	On Fuzzy Ideal of Fuzzy Frames The Journal of Fuzzy Mathematics, Vol.22, No.3, 2014.
19	Rajesh K. Thumbakara	Soft Graphs, Gen. Math. Notes, Vol. 21, No. 2, April 2014, pp. 75-86.

20	Bino Sebastian V	‘Mathematical Morphology on Hypergraphs Using Vertex- Hyperedge Correspondence’ ISRN Discrete Mathematics. Volume 2014
21	Latha S. Nair	“Institutionistic Fuzzy Sets in a Lattice” . The Journal of Fuzzy Mathematics. Vol.22.No.1,2014
22	Anu Yamuna Joseph	Isolation and Characterization of NBS-LRR Resistance Gene in Banana (Musa AAB cv. Nendran). International Journal of Advanced Biotechnology and Research(IJBR): 5 (3): 353-358 (2014).
23	Anu Yamuna Joseph	Prevalence of Plasmid Borne Ampc Gene in Multi-Drug Resistant Freshwater and Soil Bacteria, IOSR-JESTFT 8 (4): 1-08 (2014)
24	Selven Subramanian	“Bioaccumulation of copper in various tissues of Fenneropenaeus indicus and the influence of white spot syndrome virus infection”. International Journal of Research in Zoology 4(2): 24-28,2014

### *National Publications*

1	Leena George	Financial inclusion and the kisan credit cards:A macro level analysis of the trend and variation across banks and regions (National Cooperative Perspective, Vol49 (1)-2014
2	Eldhose A.M	Intensity of Health problems and Health hazards of the workers in the Unorganised Sector- A theoretical Analysis; Academic Research in Science, Engineering Art and Management Vol.2 Issue I, ISSN 2349-4808, 07-18, 2015.
3	Eldhose A.M	Health Status and Health Care Expenditure in India- An Analysis with focus on Kerala State; Academic Research in Science, Engineering Art and Management Vol.2 Issue 1, ISSN 2349-4808, 45-56, 2015
4	Diana Ann Issac	Indian NBFC Sector Performance, Prospects and their inter connectedness with Banking System KEGEES Journal of Social Science, Vol – 6 No.1 Jan 2014
5	Diana Ann Issac	Frugal Innovation – an emerging Business Paradigm ; ‘Contemporary Commerce Review’ ,Double blinded peer reviewed Half yearly journal of Cochin College.(Volume 4, No. 1 August 2014, ISSN 2319 – 3638)
6	Litha Mary Issac	Impact of Large Scale Retailing:A factor analysis approach to explore dimensions of retailers problems in Kerala; Indian Commerce Bulletin –Peer Reviewed Research Journal ( ISSN -0972-6187) Vol 14 December 2014
7	Litha Mary Issac	Strategic Management and Corporate Social Responsibilities; EXPLORATIONS-Double Blind Peer Reviewed and Edited Journal (Vol V-1 ISSN 2229-4783 January 2015
8	Justina George	“Tristram Shandy: An Experimental Novel” Research Scholar (ISSN 2249-6696), March Vol.4, No. 1, 2014
9	Minnu James	“Questioning Culture and Ideology in The Name of the

		Rose, <i>Indian Journal of Post Colonial Literatures</i> (ISSN 0974-7370), Newman College, Vol.12.2.dec 2014.
10	Sini K S	“Return of Warri(e)o:r: A Probe into the Corridors of Mollywood”, <i>Indian Journal of Post Colonial Literatures</i> (ISSN 0974-7370), Newman College, Vol.14.2.dec 2014.
11	Justina George	“ <i>Tristram Shandy: An Experimental Novel</i> ” <i>Research Scholar</i> (ISSN 2249-6696), March Vol.4, No. 1, 2014

### 3.5 Details on Impact factor of publications:

Impact Factor Range	2.922 – 4.063
Average Impact Factor	3.59
h-index	20
Nos in SCOPUS	11
SJR	1.471 – 2.021
SNIP	1.047 – 1.714

### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

SI No.	Year	Name	Title	Amount in Rs.
1	2014-15	Aby P. Varghese	Odonate diversity of Natinal parks and wildlife sanctuaries in Idukki district, Kerala	75,000/-
2	2014-15	Siju Thomas T	Phytochemical Characterization of <i>Justica plumbaginifolia</i> J JACQ and <i>Desmodium Motorium</i> L	3,65,000/-
3	2014-15	Jini Thomas	Role of Micro Entrepreneurs in Kerala	1,30,000/-
4	2014-15	Justina George	Exploring the Underlying Patterns of Human Mind: A Psychoanalytic Sudy of Alice Munro's Short Stories.	1,30,000/-
5	2014-15	Rajesh K. Thumbakara	A generalized graph and fuzzy graph structures	2,75,000/-
6	2014-15	Sini K S	Rising From Flames: A Panoramic View of Dalitayam In Indian Epics	1,45,000/-
7	2014-15	Diana Mathews	Changing Power Structure in	75,000/-

			Dual Career Nuclear Families- A Study in Ernakulam District, Kerala	
8	2014-15	Seena John	Female Body and Its Narration in Malayalam Short Stories.	60,000/-
Total				12,55,000/-

3.7 No. of books published:1

i) With ISBN No.	1
ii) Without ISBN No.	0
iii) Chapters in Edited Books	0

3.8 No. of University Departments receiving funds: NA

3.9 For colleges

Autonomy	-
CPE	Yes
DBT Star Scheme	-
INSPIR E	-
CE	-
DST-FIST	Yes
Any Other (specify)	-

3.10 Revenue generated through consultancy : 20,000/-

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1	3	9	-	1
Sponsoring agencies	IAEA	UGC	Management	-	KSCSTE

3.12 No. of faculty served as experts, chairpersons or resource persons :

Dr. Anjaly Abraham : Chaired a Session in the National Seminar at Lement College of Management and Arts, Pattambi, Palakkad

3.13 No. of collaborations

International	1
National	3

- Collaborative research between Dr. Riju C Issac, Department of Physics and Prof. A V Jaroszynski and Dr. S Cippiccia of the Department of Physics, University of Strathclyde in Glasgow, Scotland, UK
- The College has Memorandum of understanding (MOU) with Kerala Agricultural University, Thrissur.
- Rajiv Gandhi Center for Bio-Technology (RGCB), Thiruvananthapuram
- An MOU was signed with Arjuna Natural Extracts Ltd, Aluva for monitoring the affluent discharge regularly.

3.14 No. of linkages created during this year : Nil

3.15 Total budget for research for current year in lakhs:

From funding agency (Newly sanctioned )	38.17
From Management of University/College	-
Total	38.17

3.16 No. of patents received this year: 1 (Riju C Issac, Dept of Physics)

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year: Nil

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

Ph. D. Guides	18
Students registered during the year	41

3.19 No. of Ph.D. awarded by faculty from the Institution : 1

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF	-
SRF	-
Project Fellows	4
Any other	-

3.21 No. of students Participated in NSS events:

University level	11
State level	0
National level	1
International level	-



3.22 No. of students participated in NCC events:

University level	-
State level	10
National level	13
International level	-

3.23 No. of Awards won in NSS:

- The College has been selected as the Best NSS unit of M G university in 2014.
- Dr. Selven S has been awarded the Best Programme Officer of the year.

3.24 No. of Awards won in NCC: Nil

3.25 No. of Extension activities organized : 19

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Village Adoption Program – Pinavoorkudy: Drinking water quality monitoring, Remedial teaching, Support for tribal school etc.
- *Kuroorthodu* rejuvenation programme
- Visit to Old age home and Wheel chair distribution
- *Manimala* – Science orientation for school students
- Blood Donation
- Wheel Chair Volleyball coaching
- *Saasthra Jalakam*- Science orientation programme for school students

**Criterion – IV**  
**4. Infrastructure and Learning Resources**

4.1 Details of increase in infrastructure facilities:

Facility	Existing	Newly Created	Total
Campus area	25 ha	-	25 ha
Class rooms	8319.93 m <sup>2</sup>	-	8319.88 m <sup>2</sup>
Laboratories	2868.35 m <sup>2</sup>	-	2868.35 m <sup>2</sup>
Seminar Halls	695.5 m <sup>2</sup>	120 m <sup>2</sup>	815.5 m <sup>2</sup>
Library	2340.59 m <sup>2</sup>	-	2340.59 m <sup>2</sup>
Veranda, staff room and toilets	2097.84 m <sup>2</sup>	-	2097.84 m <sup>2</sup>
St Mary's Women's Hostel	1028.60 m <sup>2</sup>	-	1028.60 m <sup>2</sup>
Mar Athanasius Women's Hostel	2173.75 m <sup>2</sup>	-	2173.75 m <sup>2</sup>
Multipurpose synthetic court	-	576 m <sup>2</sup>	576 m <sup>2</sup>
Indoor Shooting range	-	649.26 m <sup>2</sup>	649.26 m <sup>2</sup>
Indoor stadium	1026.16 m <sup>2</sup>	-	1026.16 m <sup>2</sup>
Students' centre	242.93 m <sup>2</sup>	-	242.93 m <sup>2</sup>
Canteen+Annex	399.47 m <sup>2</sup>	-	399.47 m <sup>2</sup>
Outdoor stadium	7200 m <sup>2</sup>	-	7200 m <sup>2</sup>
Basket ball court	2400 m <sup>2</sup>	-	2400 m <sup>2</sup>
Swimming Pool	-	1250 m <sup>2</sup>	1250 m <sup>2</sup>
Clock Tower	-	319.21 m <sup>2</sup>	319.21 m <sup>2</sup>
Health club	299.41 m <sup>2</sup>	-	299.41 m <sup>2</sup>
Chapel	228.72 m <sup>2</sup>	-	228.72 m <sup>2</sup>
Students parking	-	270.74 m <sup>2</sup>	270.74 m <sup>2</sup>

4.2 Computerization of administration and library

- The library is fully computerized and can be accessed through the College website and through OPAC terminals.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	12685	1.12 cr	305	142382	12990	1.44 cr.
Reference Books	3617		27	24725	3644	
Other books	47251		1227	544804	48478	
e-Books	2643809		54191		2698000	
Journals/Periodicals	103				103	
e-Journals	395400		1863		397263	
Digital Database	4			5000	4	
CD & Video	692				692	
Others (Newspapers)	19			30305	19	

#### 4.4 Technology up gradation (overall)

SI No.	Item	Existing	Newly	Total
1	Desk Top PC	84	45	129
2	Laptop	16	17	33
3	Net book	10	15	25
4	DLP	46	4	50
5	Printer- DM	2	-	2
6	Laser Printer	21	5	26
7	Scanner	16	-	16
8	UPS	38	-	38
9	Network switch	79	2	81
10	WI-FI router	1	10	11
11	Server	4	-	4
12	Media converter	1	-	1
13	Fire wall	1	-	1
14	Memory	12	3	15

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- Training for operation and use of smart boards has conducted for the teachers
- Training to enable web based teaching learning process
- Training to use Management Information System (Honeycomb)

4.6 Amount spent on maintenance in lakhs:

SI No	Particulars	Amount in Rs.
1	Repairs	285238
2	College Campus beautification	2027341
3	Vehicle parking for studetns	229523
4	Clock Tower	4565548

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- A website which encompasses all the details regarding the College including the courses offered and other facilities available in the College.
- A detailed and updated handbook publishes every year and it is issued to the students and staff. The handbook helps the staff and students to carry out the academic activities within the stipulated time.
- The College brings forth the academic calendar every year. It contains all the information regarding the programmes and activities of the College.
- Orientation for new comers

#### 5.2 Efforts made by the institution for tracking the progression

- Regular periodical class tests and terminal examinations are conducted by the College for evaluating the academic progress of the students.
- Progress reports are prepared by the class teachers and intimated to the parents for obtaining their remarks.

#### 5.3 Number of students

	UG	PG	Ph. D.	Others	Men		Women	
					No	%	No	%
(a) Total Number of students	1504	308	41	-	578	32	1234	68
(b) No. of students outside the state	-	-	-	-	-	-	-	-
(c) No. of international students	-	-	-	-	-	-	-	-

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
827	220	63	614	17	1741	871	235	57	650	19	1832

Dropout 3.5%

#### 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Walk With Scholar Programme (WWSP) with the financial support of Kerala State Higher Education Council.

#### 5.5 No. of students qualified in these examinations

1	June 2014	Christin Shaji	-	English
2	June 2014	Sijo Sebastian P.S.	-	English
3	December 2014	Vishnupriya	-	English
4	June 2014	Anumol	114386	Chemistry

#### 5.6 Details of student counselling and career guidance

Full time student counsellor	1
No. of students benefitted	200

#### 5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
3	70	Infosis -1 Wipro -6 Molecular Connexions-3	Federal Bank -1 TCS-1 Wipro -6

#### 5.8 Details of gender sensitization programmes

- An essay writing competition on ‘ Gender Sensitisation ‘was held on 16 December 2014.
- Cookery Class for boys- ‘A Gender sensitisation Program’ was conducted by Smt Liss Sanal on 7 November 2014.
- Observance of the 16 Days of Activism against Gender Based Violence Campaign from 25 November to 10 December 2014.

## 5.9 Students Activities

### 5.9.1 No. of students participated in Sports, Games and other events

	State/ University level	National level	International level
Sports	80	23	1
Cultural	30	-	-

### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

	State/ University level	National level	International level
Sports	51	18	-
Cultural	10	-	-

- Ms. Anilda Thomas represented India in Common Wealth Games, Glasgow, Scotland during 2014-15.

### *Achievements in cultural and others*

Name of the Student	Program
Ms. Esther A.L	Two presentations at UGC sponsored National Seminars
Sharon Sebastian	Presented paper titled “Introduction of Contributory Pension Scheme in Kerala” in the National Seminar at Bishop Heber College, Trichi
E. Sourath	Best Oral presentation in UGC sponsored National Seminar on Biovision – Sept.2014
Blessen T Sam	Presented a paper on ‘Advertisements and Consumerism influence on Youth, Children and Culture’ - National Conference Conducted by All Kerala Sociological Society At Carmel College Mala  Assistant researcher with Dr. Michael Manjaloor A.U.T University, New Zealand on Social Exclusion of SC/ST population in colony areas – A Case study of Nadoli Colony Chelad .
Nivya James	Oral presentation at National Level Seminar
Ms. Shilpa Zacharia and Rameeza.P. Ali	Bagged first prize in intercollegiate quiz competition (Chemi quiz) in February 2014 at Devamatha College, Kuravilangad.

Safeer Salim	<p>Bagged third prize in intercollegiate quiz competition in April 2014 at KMEA college, Pukkattupadi.</p> <p>Bagged first prize in intercollegiate quiz competition in April 2014 at Christ Knowledge City, Irapuram</p>
Rohan K Joshi	<p>First in Voice of Sanskriti, Second in Duet in Sanskriti 2014 conducted by Mar Athanasius College of Engineering, Kothamangalam.</p> <p>Second in Duet and RJ Hunt at Christ Knowledge City</p> <p>First in Duet and Voice of Azure2k14 at Amal Jyothi College</p> <p>First in Acoustic Cover, Infigo at St. Xavier's College, Aluva</p> <p>'A' grade in Light Music in M G University Youth Festival.</p>
Basil Thankachan	<p>First prize in Quiz competition in Sanskriti 2014 organized by MACE</p> <p>First prize in AGON' 14 at Amal Jyoti College of Engineering</p> <p>First prize in Superknowa' 14 organized by Cochin College</p> <p>First place in Neuron Twister at Amal Jyoti College of Engineering</p>
Able Baby	Second prize for Mimicry in M.G University Youth festival
Geethanjali	World Ozone Observation at CUSAT, Kochi
Melvin Philip	World Ozone Observation at CUSAT, Kochi
Bibin Baby	World Ozone Observation at CUSAT, Kochi
Leo Varghese	First in 2014 State Body Building Mr Ernakulam
Jitty Maria George	Participated in National Integration Camp of NCC in Darjeeling 2014
Afrah Ali	II Prize Short Story Writing at M.G.UniversityYouth Festival 2014
Tasha Rose Mary George	I Prize Inter Collegiate Group Dance Competition organized by Christ Knowledge City, 2014
Christina Savio	<p>I Prize in Poster Making' held at St. Thomas College, 2014</p> <p>II Prize in 'Debate Competition' in the Inter Collegiate Techno-Cultural Fest organized by Christ Knowledge City, 2014</p> <p>II Prize in Start-Action Play' organized as part of 'Xav Virtuoso' by St. Xavier's College, Aluva</p>
Arunima Cheriyan	I Prize 'Poster Making' held at St. Thomas College, 2014



Anju Jiffri	I prize 'Personality Contest' held at Ilahia College of Engineering
Basima Ali	III Prize Personality Contest' held at Ilahia College of Engineering

*Sports achievements*

Si no.	Level of participation	Medals	Records
<b>Athletics</b>			
1	1- Athlete Represented India		
2	12-Athletes Participated All India Inter University	5-Gold	2- Meet Records
3	7-Athletes Represented Kerala State in Junior Nationals/south zone nationals	4-Gold 4-Silver	
4	1-Athlete Represented Kerala State in Open Nationals	1-Gold	
5	1-Athlete Represented Kerala State in federation Nationals	1-Gold	
6	8-Athletes Represented Kerala State in 35 <sup>th</sup> National Games	4-Gold 1-Silver	2-Meet Records
7	32-Athletes participated in the M G University Athletic Championship	17-Gold 8 -Silver 3 – Bronze	4-Meet Records
8	30-Athletes Participated in various state level Athletic Championships	15 -Gold 6 -Silver 2 - Bronze	2 Meet Records
9	Best Athlete Award for women in the M G University Athletic meet – Anilda Thomas		
<b>Football</b>			
1	MG University Second Runner- up	Bronze	
2	4-Students selected to the M G University team to take part in the All India Inter University Championship		
<b>Volleyball</b>			
1	1-Student selected to the M G University team to take part in the All India Inter University Championship		

## 5.10 Scholarships and Financial Support

Scholarships	No of students	Amount	Total
Financial support from institution (Sports)	72	3000	2556000
Financial support from government			
Post metric scholarship	189	3000	567000
	163	3000	489000
C H Muhammed Koya (Muslim girls only)	63	5000	315000
	38	5000	190000
Suvarna Jubilee Merit Scholarship	Yet to Publish	10000	-
	21	10000	210000
Blind/Physically Handicaped	7	10000	70000
	5	10000	50000
Central Sector (State) Scholarship	24	10000	240000
	18	10000	180000
	15	10000	150000
	6	20000	120000
	5	20000	100000
Central Sector (CBE) scholarship	18	10000	180000
	16	10000	160000
Hindi Scholarship	7	5000	35000
	6	5000	30000
Sitharam Jindal Scholarship	7	5000	35000
	6	5000	30000
Higher education scholarship	24	12000	288000
	16	18000	288000
	20	24000	480000
	6	40000	240000
	6	60000	360000
LIC Merit	6	10000	60000
	8	10000	80000
<b>Total</b>			<b>49,47,000/-</b>

5.11 Student organised / initiatives

- Celebration of teachers Day
- Arts Day and College Day

5.12 No. of social initiatives undertaken by the students : 11

5.13 Major grievances of students (if any) redressed: Nil

**Criterion – VI**  
**6. Governance, Leadership and Management**

6.1 State the Vision and Mission of the institution

Vision

- To build up the community of people with character and integrity, courage and tenacity to promote the good and fight the evil and provide justice and fair play to all.

Mission

- We are committed to prepare our students for life by imparting knowledge which focuses on academic competence, social skills and moral values.

6.2 Does the Institution has a management Information System

The implementation of the Management Information System is in progress. The college has purchased an office automation software named 'Honeycomb' at a cost of rupees five lakhs (Rs. 5,00,000/-). The programme consists of eight different modules such as library management, admission management, exam management, attendance management etc.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- The college designed a new PG programme in International Business and was approved by the Mahatma Gandhi University, Kottayam.

6.3.2 Teaching and Learning

- Smart class rooms
- Encourage Web based learning

6.3.3 Examination and Evaluation :Nil

6.3.4 Research and Development

The college also encouraged the teachers to avail financial support for various major and minor research projects from National and State Agencies. One major research project and eight minor research projects are sanctioned during this academic year. A sum of Rs. 38.17 lakhs has been received during this academic year for research and development. 41 number of research scholars are working in the research departments. 20 international and 9 national papers are also published.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- 1447 number of books are added during the current academic year for a sum of Rs. 4,78,084/-

- 45 desktop computers, 17 laptops, 15 netbook and 5 printers are added in the year.
- Construction of indoor shooting range was completed with the financial support of UGC and the Management.
- A swimming pool (Olympic standard) was sanctioned by the UGC (Rs 1 cr.) and its construction completed during the year.

#### 6.3.6 Human Resource Management

- Motivate the teachers to attend maximum number of programmes such as refresher/orientation/workshops.
- A grievance redressal mechanism is in place.

#### 6.3.7 Faculty and Staff recruitment

- The management has been taken interest in appointing quality teachers.

#### 6.3.8 Industry Interaction / Collaboration

- Regular industrial visits has been arranged by various departments

#### 6.3.9 Admission of Students

- Creating awareness among stakeholders on academic and other infrastructure facilities through college websites and advertisements in newspapers.

#### 6.4 Welfare schemes for

Teaching	Cooperative Store – provision store- Cooperative Credit Society- banking
Non teaching	Cooperative Store Cooperative Credit Society
Students	Cooperative Store Poor students aid fund Alumni Scholarship PTA Scholarship Book Bank facility in the college library

6.5 Total corpus fund generated: The College has received 209.38 lakhs from UGC

6.6 Whether annual financial audit has been done: Yes

6.7 Whether Academic and Administrative Audit (AAA) have been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	-	-	Yes	IQAC
Administrative	-	-	-	-

6.8 Does the University/ Autonomous College declare results within 30 days? : No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Choice Based Credit and Semester System (CBCSS) introduced for UG courses
- Credit and Semester System introduced for PG courses 2012

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

- The College has been recommended for autonomy by the Govt. and the University

6.11 Activities and support from the Alumni Association

- Alumni academic scholarship
- Alumni sports scholarship
- Alumni reunions
- Timely feedback and suggestions

6.12 Activities and support from the Parent – Teacher Association

- PTA Scholarship
- Regular PTA meetings
- In semester examinations and other student support programmes are funded by the PTA.

6.13 Development programmes for support staff

- UGC Sponsored training programmes for Non-teaching staff on service rules and personality development and manual of University laws in Kerala

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Tree planting
- Biogas plant in college canteen
- Rainwater harvesting facility in the campus
- Waste-water treatment plant in hostels

**Criterion – VII**  
**7. Innovations and Best Practices**

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Introduced five PG programmes, Out these, M Com International Business is first of its kind in Kerala
- Introduced Walk with Scholar Programme and Scholar Support Programmes with the financial support of Kerala Higher Education Council
- Introduced teacher diary
- Purchased Management Information System
- Adopted a tribal village at Kuttampuzha
- Green campus initiatives
- Constructed an olympic standard swimming pool.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

	Plan of Action	Action taken
a.	‘We are one, We are Indians’- National Integration Programme	<ul style="list-style-type: none"> <li>• Independence Day and Republic Day Celebrations</li> <li>• National Integration programmes of NCC</li> </ul>
b.	Programme to inculcate moral and ethical values	<ul style="list-style-type: none"> <li>• An essay writing competition on the focal theme ”Vivekanandha Darsanam” in connection with the death anniversary of Swami Vivekananda 4 July 2014.</li> <li>• Commemoration of the International Day against Drug Abuse and Illicit Trafficking 26 June 2014</li> <li>• Two day National Seminar sponsored by UGC was conducted in connection with the 150th Anniversary of Swami Vivekananda on 29 &amp; 30 August 2014.</li> <li>• Oath taking Ceremony of Sadbhavana day on 31 October 2014</li> </ul>
c.	Social commitment	<ul style="list-style-type: none"> <li>• The members of the Women’s Cell interacted with the girl students of Govt.High School Pinavoorkudy on 29 June 14.</li> <li>• Unarthupattu, a gender awareness program by Mallika V. Sarabhai was screened at Govt. High School, Pinavoorkudy on 29 June 2014.</li> <li>• Documentary on entitled “Notice the Unnoticed</li> </ul>

		<p>Child Labour 12 June 2014.</p> <ul style="list-style-type: none"> <li>• College level debate '<i>Madhya nirodhanamo, niyanthranamo</i>' organised by the Speakers Forum on 19 September 2014.</li> <li>• New copy of library Books worth Rs 8000/ and old copy of library books (200 No.) collected by students were donated to Govt.High School Pinavoorkudy under the joint auspices of YWCA Kothamangalam and Women's Cell on 15 December 2014.</li> <li>• Play things (Football and Badminton Set) and Book Rack were donated to Govt.High School Pinvoorkudy on 15 December 2014.</li> <li>• Run Kerala Run 20 January 2015.</li> <li>• House for the poor</li> <li>• Conducted Annual Seven Day Camp at Sankar Memorial LP School, Mamalakandam on 18 24 December 2014.</li> <li>• Village adoption programmes</li> </ul>
d.	Care for sufferers	<ul style="list-style-type: none"> <li>• Rs. 32,000 was collected from the staff and the students for Kashmir Relief Fund and handed it to Fr. Tijo Markose, General Secretary, MGJSM, India on 15 October 2014.</li> <li>• All the cadets visited the orphanage <i>Akasapparavakal</i> on 29 November 2014 at Chelad, Kothamangalam. The cadets spent the day with the inmates by performing various interesting cultural events and also offered a lunch to all the inmates</li> <li>• Orphanage visit as part of Christmas celebration on 12 December 2014.</li> </ul>
e.	CPE second phase	<ul style="list-style-type: none"> <li>• The College has been received rs. 1 Crore</li> </ul>
f.	Reunion	<ul style="list-style-type: none"> <li>• Alumni Day and Batch wise get together</li> </ul>
g.	To conduct National Seminars	<ul style="list-style-type: none"> <li>• Five National seminars were conducted with the financial support of UGC.</li> <li>• An international semiar was conducted by the Department of Physics in collaboration with the Internatioanl Atomic Energy Agency.</li> </ul>
h.	Legal awareness programme	<ul style="list-style-type: none"> <li>• Inaugurated the functioning of Legal Aid Clinic in the College on 29 September 2014</li> <li>• The Social service League organised a lecture on "How to say no when you want to say no". on 19August 2011.</li> <li>• Flash mob At Vyttila Mobility Hub and Marine Drive, Ernakulam in Commemoration of the InternationalHuman Rights Day organised y the Speakers Forumo 17 December 2014.</li> </ul>
i.	Science orientation	<ul style="list-style-type: none"> <li>• Manimala for school students</li> </ul>



	workshops and seminars – State level	<ul style="list-style-type: none"> <li>• <i>Sasthra jalakam</i> for tribal students</li> <li>• Activities of Science forum</li> </ul>
j.	Green campus	<ul style="list-style-type: none"> <li>• World Environment Day celebrations - 5 June 2014</li> <li>• An essay writing competition on the topic "Environmental Conservation" on 11 June 2014.</li> <li>• Conducted 'Green Campus, Clean Campus' Programme. NSS volunteers were engaged in campus cleaning and vegetable gardening on 25 October 2014.</li> <li>• Planted Bamboo trees in the campus in association with Kerala Bamboo Corporation on 6 December 2014.</li> </ul>
k.	Enhancing research in Science Departments	8 Minor research projects sanctioned by the UGC 1 Major research project sanctioned by DST
l.	Entry in service and remedial coaching	<ul style="list-style-type: none"> <li>• Entry in service was carried out with the financial assistance of UGC</li> <li>• Scholar Support Programmes was introduced with the financial support of Kerala Higher Education Council</li> <li>• Walk with Scholar Programme was introduced with the financial support of Kerala Higher Education Council</li> </ul>
m.	Campus placement	<ul style="list-style-type: none"> <li>• Federal Bank -1</li> <li>• Tata Consultancy Services-1</li> <li>• Infosys Ltd. -1</li> <li>• Wipro -6</li> </ul>
n.	Avail research funding	<ul style="list-style-type: none"> <li>• Research project for Rs. 38.17 lakhs received</li> </ul>
o.	Infrastructure augmentation	<ul style="list-style-type: none"> <li>• Construction of swimming pool and clock tower completed</li> </ul>
p.	Empowering women	<ul style="list-style-type: none"> <li>• Observance of the 16 Days of Activism against Gender Based Violence Campaign from 25 November to 10 December 2014.</li> </ul>
q.	Art and Culture promotion	<ul style="list-style-type: none"> <li>• The readers' forum conducted an essay writing and reading competition on 19 June 2014 in connection with the State Reader's Day</li> </ul>
r.	Share a little, care a little	<ul style="list-style-type: none"> <li>• Blood Donation Camps</li> <li>• 325 food packets were collected from the staff and students and handed over it to Bethseda Orphanage, Karingazha, Chelad on 4 September 2014.</li> <li>• 170 food packets were collected from the staff and students and handed over it to Bethseda Orphanage, Karingazha, Chelad on 13 November 2014.</li> <li>• The Students collected a sum of Rs. 36,505/- from the college students and staff and handed over to</li> </ul>

		Amal K. Mohan, Department Economics, on 15 February 2015.
s.	Personality Development	<ul style="list-style-type: none"> <li>• A 'two day intercollegiate camp' from 29 - 30 August 2014 and more than 50 volunteers from other colleges participated.</li> <li>• Quiz Programme on World Cup Football organized by quiz club on 11 July 2014.</li> <li>• A three day intercollegiate camp on 'Healthy youth for Healthy India' from 28 February, 1 and 2 March 2014 at Mar Athanasius College. 85 participants from 20 affiliated colleges of Mahatma Gandhi University.</li> </ul>
t.	Attainment in sports and games	<ul style="list-style-type: none"> <li>• Champions in various State level competitions</li> <li>• International participation</li> <li>• Representation and Medals in the National Games</li> </ul>
	Gender	<ul style="list-style-type: none"> <li>• Cookery class for boys- 'A Gender sensitisation Program' was conducted by Smt Liss Sanal on 7 November 2014.</li> <li>• An essay writing competition on 'Gender Sensitisation' was held on 16 December 2014.</li> </ul>
	Enabling disabled	<ul style="list-style-type: none"> <li>• Wheel Chair Basketball Workshop for the differently-abled on 12 and 13 December 2014.</li> <li>• An Ultra sound therapy machine worth Rs. 21500/- was distributed to Pratheeksha Rehabilitation centre</li> </ul>

### 7.3 Give two Best Practices of the institution

#### Sports culture in the campus

- Sports infrastructure
- Support through Management scholarship and incentives
- Consistent attainment
- Achievement in sports and athletics
- Excellent sports infrastructure facilities

#### Community Outreach programmes

- Pain and Palliative initiatives
- Tribal village adoption
- *Kuroorthode* protection programme

### 7.4 Contribution to environmental awareness / protection

- Celebrating international days on Environment
- Cleanliness of campus
- Kuroorthodu protection programmes

- Rainwater harvesting
- Medicinal plant garden
- Green campus programmes
- M. P. Varghese Tree Park
- Nature camps
- *Manimala* programme for school students
- Village upliftment programmes at Pinavoorkudy

7.5 Whether environmental audit was conducted? No

7.6 Any other relevant information the institution wishes to add.: Nil

8. Plans of institution for next year

- Establishing new research centres
- Celebration of Diamond Jubilee of the college
- Celebration of National Days
- Value Education Programmes
- Village Adoption Programmes
- Implementation of CPE second phase
- NAAC reaccreditation
- Conduct International/National Seminars/State level seminars
- Community extension programmes
- Science orientation
- Avail research grants
- Entry in service and remedial coaching
- Campus placement
- Environment conservation
- Green audit
- Achieve autonomy status
- Campus automation
- Excel in sports and games
- Enhance E-learning