

THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) 2016-2017

PART – A

1. Details of the Institution

1.1 Name of the Institution	MAR ATHANASIVUS 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 No.	04852822378
Name of the Head of the Institution	Dr. Densely Jose
Tel. No. with STD Code	04852822378
Mobile	9495354563
Name of the IQAC Co-ordinator	Dr. Aby P. Varghese
Mobile	09895823469
IQAC e-mail Address:	abypvarghese@yahoo.com
1.3 NAAC Track ID	KLCOGN10194
1.4 NAAC Executive Committee No. & Date: <i>(For Example EC/32/A&A/143 dated 3-5-2004. This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)</i>	EC(SC)/22/A&A/18.3 22.02.2017
1.5 Website Address:	www.macollege.in
Web-link of the AQAR:	www.macollege.in/userfiles/aqar_2016-17.pdf

1.6 Accreditation Details:

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	85	2002	2009
2	2 nd Cycle	A	3.22	2010	2015
3	3 rd Cycle	A+	3.52	2017	2024

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

1.8 AQAR for the Year : 2016-2017

1.9 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 on 29-10-2012 (www.macollege.in/userfiles/aqar_2011-12.pdf)

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)

AQAR 2014-15 submitted on 16-06-2015 (www.macollege.in/userfiles/aqar_2014-15.pdf)

AQAR 2015-16 submitted on 20-12-2016 (www.macollege.in/userfiles/2015-16.pdf)

1.10 Institutional Status:

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous College of UGC Yes No

Regulatory Agency Approved Institution Yes No

Type of Institution Co-Education Men Women

Urban Rural Tribal

Financial Status Grand-in-aid UGC 2 (f) UGC 12B

Grand-in-aid + Self Financing Totally Self Financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys.Edu)

TEI (Edu) Engineering Health 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

Autonomy by State/Central Govt/University

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

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="8"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="1"/>
2.3 No. of Students	<input type="text" value="2"/>
2.4 No. of Management Representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="1"/>
2.6 No. of any other Stakeholder and Community Representatives	<input type="text" value="1"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="1"/>
2.8 No. of other External Experts	<input type="text" value="1"/>
2.9 Total No. of Members	<input type="text" value="16"/>
2.10 No. of IQAC meetings held	<input type="text" value="4"/>

2.11 No. of Meetings with Various Stakeholders:

	No.
Faculty	4
Non-Teaching Staff	1
Students	1
Alumni	0
PTA	1

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

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.: 8

International: 0

National: 0

State: 0

Institution Level: 8

(ii) Themes

- NAAC Accreditation Awareness Programme on 18 June 2016 (Dr. S V Sudheer, Director, Academic Staff College, Thiruvananthapuram)
- Documentation of Departmental activities
- Teacher Orientation

2.14 Significant Activities and Contributions made by IQAC

- Submitted the Self Study Report to NAAC.
- Prepared academic calendar.
- Planned extension programmes undertaken by various clubs and forums
- Implemented UGC schemes
- Implemented 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
I	Cocurricular Programmes	
b	All Departments to conduct workshops and Seminars	<i>Department of Actuarial Science and Department of Physics organised national seminars.</i>
II	Outreach Programmes	
a	Commemorate International Days of social importance	<i>Children's day (Plastic hazard awareness among School Students) Gandhi Jayanthi (Clean mission) World Environment Week Women's day Pravasi Bharati Divas</i>
c	Life supporting services	<i>Blood Donation Camps conducted by NSS units. Mega medical camp at Rotary Bhavan in Kothamangalam</i>
III	Faculty Enrichment	
a	Periodic orientation programmes meant for teachers	<i>1. Smart Board Familiarization Programme 2. Training on "Office Automation"</i>
b	Motivate teachers to pursue research	
IV	National Integration	
a	Conduct Programmes to Foster Patriotic fervour and National Integration.	<i>Independence Day and Republic Day Celebrations International Yoga Day Hindi Day Secularism Seminar Swachh Bharath Mission Activities</i>
V	Value Education	
a	Inculcated students with moral and ethical values	<i>Leisure trips with elderly of the Kothamangalam Municipality Yoga Week Swachh Bharat Abhiyan - Cleanliness Drive Organic Garden and vegetable garden</i>

		<i>Participated in Koythulsavan (Harvesting festivity). Tribal settlement visits by students and services.</i>
b	Conduct professional Fraternity fostering programmes.	<i>Farewell to Retiring Staff Programmes of Staff Association Teachers Day</i>
c	Strengthen alumni support and alumni platform	<i>General Alumni Meet Batch wise reunions</i>
VII	Environment Awareness	
a	Sensitise students on environmental matters	<i>World Environment Day celebration Campus cleaning Plastic hazard awareness among school students. Swacch Bharath Abhiyan cleaning drive: College, Bus stand, Government offices, Kuttampuzha town.</i>
VIII	Student Support Programmes	
a	Remedial coaching to all those needed	<i>Scholar Support Programme (SSP) of Kerala Higher Education Dept. Remedial extra classes to those students who do not perform well in examinations.</i>
b	Facilitate campus placement programmes	<i>ASAP Orientation. Career Development and counselling classes by Triumphant institute management Education Pvt. Ltd, Kochi and Disha mentors. Distribution of the Hindu News paper among students to improve contemporary reading habit. 10 students attended leadership training programme at YMCA Aluva. GICE has shortlisted 10 students in campus placement drive. Facilitated Coaching for Civil Service Examination. Students participated in recruitment drive by Infosys, ESAF, GICE and NBFC.</i>
c	Gender empowerment	<i>Women's cell programme Women's day celebrations</i>
d	Personality Development	<i>Scholar Support Programmes of Higher Education Department. Additional Skill Acquisition Programme (ASAP)</i>
e	Develop Entrepreneurial skills among students	<i>Entrepreneurship Development Club in the college. Organised Entrepreneurship awareness programme. Industrial Visits Entrepreneurship Awareness Camp</i>
IX	Art and Culture promotion	
a	Give training and exposure to students for developing cultural talents.	<i>Students participated in the University Youth Festival. Organised Film Festival in the college in association with Kerala Chalachithra Academy and Sumangala Film Society.. Leading script writer Sri. John Paul interacted with students.</i>

		<i>Film club in association with Kochi Metro Short Film Fest UAE and Mahatma Gandhi University School of Letters organised “Arabian Flames”; a film fest to celebrate Pravasi Bharati Divas. Conducted a cultural week fest “MRIDHAK” by the Arts Club.</i>
X	Sports Promotion	
a	Effective utilization of infrastructure facilities	Many programs and competitions conducted with MAC as venue
b	Participate maximum number of students in Athletics, Volleyball, Football championships	Our students performed well in Athletics, Football and Volleyball. Our Alumnae Anilda Thomas and Alumnus Gopy T represented India in Rio Olympics. Organised 7 MG University Championship Events. 18 Medals in University, State and National Level competitions. MG University Champions in Athletics, Cross Country, Water polo and swimming.
XI	Student Organised Programmes	
a	Let students organise events in the college	Arts festival College Day

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 2016-2017. The committee also perused the plan of action for 2017-2018 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	0	0	0
PG	16	0	9	0
UG	13	0	1	0
PG Diploma	0	0	0	0
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	2	0	0	0
Others	0	0	0	0
Total	35	0	10	0

Interdisciplinary	1	0	0	1
Innovative	0		0	0

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	29
Trimester	0
Annual	0

1.3 Feedback from stakeholders* Alumni Parents Employers Students

(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

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

Syllabus revision for UG programmes was carried out by all departments. The syllabi were prepared by the concerned Board of studies, Approved by the Academic Council and the Governing Council. Then submitted it to Mahatma Gandhi University.

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

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
119	102	17	0	0

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
0	10	0	0	0	0	0	0	0	10

2.4 No. of Guest, Visiting faculty and Temporary faculty

14	0	0
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	6	28	1
Presented papers	9	6	0
Resource Persons	0	1	2

(Please see APPENDIX – for a list of publications)

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

- a. Academic calendar & exam schedule prepared in advance and shared with staff and students
- b. Academic monitoring by class committee / course committee
- c. Student centric learning by -
 - i. Teaching plan by teachers
 - ii. Assignments , Seminars, Individual & group projects
 - iii. Study tours & industrial visits
 - iv. Class rooms equipped with laptops and LCD projectors
 - v. Encouraging student publications
 - vi. Evaluation of teachers by students - students feed back
 - vii. Use of Math lab & language lab
 - viii. Well-equipped Network Resource Centre and computer lab.
 - ix. Students log book
- d. Invited lectures by eminent scholars
- e. Web based teaching – notes uploaded in the college website
- f. Add-on courses
- g. Orientation programme given to all first semester students
- h. Open house in every semester after the second internal exam

- i. Tutorial system practiced in the college to Identify the differential requirements of the students
- j. Given support & remedial classes to slow learners
- k. For advanced learners given training to present & publish papers in national seminars
- l. Advance learners are motivated to participate in summer research programmes/ projects.
- m. Outside classroom activities for wholesome development of mind and acquiring skills.
- n. Students are provided with lab manual of the experiments & latest research papers in order to update them with latest development in the field of research and also to create enhanced interest in research work.

2.7 Total No. of actual teaching days during this academic year : 178

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Follows Exam Manuel
- False numbering for End semester examinations are followed at UG & PG level.
- Two sets of question papers for in-semester examinations prepared by the internal examiners are received at the office of the Controller of Examinations well in advance.
- Two sets of question papers with scheme of valuation are prepared by external examiners for End-semester examination for both UG and PG.
- The notification for the registration for the End - semester examination is given one month prior to the date of commencement of examinations.
- Hall tickets of eligible candidates are generated.
- The examination time table gets published in the college website one month prior to the date of commencement of examinations.
- The valuation of the UG answer scripts of the End-semester Examinations is done by internal examiners and an external chief based on a well-defined scheme of valuation immediately after the examination at the centralised valuation camp.
- For all PG programmes double valuation is followed.
- Results of End-semester Examinations of UG and PG programmes are published after the Pass Board meeting and ratification by the Governing Council.
- Revaluation and challenge valuation facilities are offered.
- Grace marks are awarded for NSS, NCC, SPORTS, ARTS & DIFFERENTLY ABLED category.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop
As the college become autonomous , all the teachers with Ph.D are members of Board of Studies of respective subjects

No. of faculty members involved in curriculum restructuring /revision /syllabus development	Number
1. Member of College Board of studies (faculty with Ph.D)	33
2. Member of University Board of studies	6
2. Member of curriculum development workshop	12

2.10 Average percentage of attendance of students : 92.47

2.11 Course/Programme wise distribution of pass percentage :

UG PROGRAMME

Title of the programme	Total no. of students appeared		DIVISION				Pass percentage %
			A+	A	B+	B	
English	B.A	45	1	8	0	0	69.5
Econo	B.A	39	1	2	0	10	53.8
History	B.A	30	0	1	3	1	16.5
Sociology	B.A	43	0	0	0	4	42
Hindi	B.A	18	1	1	0	4	39
Mathematics	BS.c	33	6	11	0	4	72.7
Statistics	BSc	34	2	7	0	6	61.7
Chemistry	Bsc	38	8	10	0	10	76.3
Physics	Bsc	36	7	9	0	11	67
Botany	BSc.	38	0	7	0	13	71
Zoolo	BSc	32	1	3	0	11	69
Commerce	Bcom	47	3	15	0	10	70.2
SELF DEPTS							
B Com Tax	BCom Tax	38	1	15	11	5	84

PG PROGRAMME

Title of the programme	Total no. of students appeared		DIVISION				Pass percentage %
			A+	A	B+	B	
English	M.A	15	-	-	-	-	53.3
Econo	M.A	10	0	0	3	2	50
Mathematics	MSc.	15	-	-	-	-	86.7
Chemistry	Msc	12	0	2	5	3	83.3
Physics	Msc	13	0	2	4	2	69
Botany	MSc.	10	0	0	2	6	80
Commerce	Mcom	14	-	0	0	12	85.7
SELF DEPTS							
Microbiology	MSc	24	0	0	6	15	87.5
Biotechnolog y	MSc	22	0	0	6	14	90.9
Biochemistry	MSc	20	0	0	3	7	70
Statistics	MSc	14	0	3	7	2	85.7
Sociology	M.A	9	0	0	1	6	66.6
History	M.A	9		3	0	0	77.8
Actuarial Science	MSc	9	-	-	4	4	88.9
Zoology	MSc	15			1	9	73.3
International Business	MCom	22	-	-	6	9	68

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

- Every member of the Faculty is given a ‘**Teachers Diary**’ at the beginning of the year in which all the details related to teaching such as work plans, tests, assignments, projects, mentoring, tutoring, remedial classes, leave taken by teacher, etc. are noted. This is checked periodically, and at the end of the year submitted to the Principal by the respective Heads of departments.
- Implemented ‘**students log book**’ for all classes, in which all the details of students in the class, classes taken etc are noted.
- IQAC checks the examination calendar for the timely conduct of In-sem and End semester examinations.
- On publication of results a meeting of the Heads of department is called to analyze the results, look into the areas of poor performance and suggest measures for improvement.
- Remedial, mentoring and tutorial classes are monitored through reports submitted periodically.
- The IQAC monitors and promotes the research activities of the institution to achieve excellence in research.
- The IQAC initiates for organizing seminars/workshops for curriculum enrichment .
- The IQAC gathered feedback through student appraisal of teachers, analyzed it and provided a feedback summary to individual teachers.
- The IQAC is helped by all the heads of the departments in monitoring and evaluating the teaching and learning processes

2.13 Initiatives undertaken towards faculty development

Faculty Development Programme	No. of Faculty benefitted
Refresher Courses	2
UGC – Faculty Improvement Programme	12
HRD Programme	0
Orientation Programme	4
Faculty Exchange Programme	0
Staff Training conducted by the university	1
Staff Training conducted by other institutions	1
Summer /Winter schools/ Workshops etc	6
Others	0

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 during
Administrative Staff	36	-	-	-
Technical Staff	2	-	-	-

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
- Aailed UGC-CPE
- Cash incentives for research publications

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		3	1	
Outlay in Rs. Lakhs		39.8	15	

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number		3	1	
Outlay in Rs. Lakhs		0.45	0.15	

3.4 Details on research publications

	International	National	Others
Peer Review Journals	7	0	1 (book)
Non-Peer Review Journals	0	0	0
e-Journals	0	0	0
Conference proceedings	2	2	3

3.5 Details on Impact factor of publications:

Range : 1-4.3

Average 1.5

h-index

Nos. in SCOPUS

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	3 years	International Atomic Energy Agency, Vienna, Austria	8 lakhs	8 lakhs
	3 years	Kerala State Council for Science, Technology and Environment	16.8 lakhs	16.8 lakhs
	2 years	ICSSR	15 lakhs	12 lakhs
Minor Projects	2 years	University Grants Commission, New Delhi	0.45	0.15

Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects (<i>other than compulsory by the University</i>)	-	-	-	-
Any other(Specify)	-	--	-	-
Total	-	-	40.25	36.95

3.7 No. of books published i) With ISBN No. : 0 Chapters in Edited Books : 1
ii) Without ISBN No.: 0

3.8 No. of University Departments receiving funds from

UGC-SAP: NA

CAS: NA

DST-FIST: 4

DPE: NA

DBT Scheme/funds: NA

3.9 For colleges

Autonomy
INSPIRE

CPE
CE

DBT Star Scheme
Any Other (specify)

3.10 Revenue generated through consultancy Rs. 4000/-

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number		1	1		
Sponsoring agencies		Inter University Centre for Astronomy and Astrophysics, Pune	Mar Athanasius College		

3.12 No. of faculty served as experts, chairpersons or resource persons: 1

3.13 No. of collaborations International: 0 National: 0 Any other: 0

3.14 No. of linkages created during this year: 2

3.15 Total budget for research for current year in lakhs :

From Funding agency: 40.25 lakhs

From Management of University/College: 0

Total: 40.25 lakhs

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	0
	Granted	0
International	Applied	0
	Granted	0
Commercialised	Applied	0
	Granted	0

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

Total	International	National	State	University	District	College
1	1	0	0	0	0	0

3.18 No. of faculty from the Institution
who are Ph. D. Guides : 13
and students registered under them : 41

3.19 No. of Ph.D. awarded by faculty from the Institution : 0

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)
JRF: 0 SRF: 5 Project Fellows: 1 Any other: 1

3.21 No. of students Participated in NSS events:
University level : 200 State level: 0
National level : 2 International level: 0

3.22 No. of students participated in NCC events:
University level: 1 State level: 4
National level: 6 International level: 0

3.23 No. of Awards won in NSS:
University level: 2 State level: 0
National level: 0 International level: 0

3.24 No. of Awards won in NCC:
University level: 0 State level: 0
National level: 0 International level: 0

3.25 No. of Extension activities organized
University forum: 0 College forum: 0
NCC: NSS: 93 Any other:

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

ACTIVITIES DURING THE PERIOD 2016-17			
Sl. No.	Activity name	Venue	Date
1	World Earth Day	Govt. U P School Ayyankavu, Govt. LP School, Valiyapaara and PWD roads, Kothamangalam	22 Apr 2016
2	Lifestyle Disease Medical Camp	Kothamangalam.	22 Apr 2016
3	Vayojana Souhridha Yaathra: Leisure Trip with Oldage	Salim Ali Bird Sanctuary, Thattekkad, Boothathankettu dam and nearby park	23 Apr 2016
4	World Laughter Day	Kothamangalam	5 May 2016
5	World Environment Day	M A College	6 Jun 2016
6	En Tree: Environment week	Various educational institution in Kothamangalam	10 Jun 2016
7	World Elderly Abuse Awareness Day	Kothamangalam Municipal complex	15 Jun 2016

8	Mobile Clinic at Janamaithri Police Station	Kothamangalam.	15 Jun 2016
9	Orphanage visit – Donation of Study Materials	Snehajyothi Sisubhavan, Pulluvazhi	17 Jun 2016
10	YOGA Practice in connection with the International Yoga Day	M A College	24 Jun 2016
11	Awareness Rally against Drugs	Kothamangalam	27 Jun 2016
12	Street Play: Addicted to Life	Municipal bus stand, Kothamangalam	27 Jun 2016
13	Fresher's Day	M A College	30 Jun 2016
14	Anti-ragging campaign	M A College	8 Jul 2016
15	Blood Group Detection Camp	M A College	14-15 Jul 2016
16	International Justice Day	M A College	22 Jul 2016
17	Student's Learning And Training on Environment SLATE: World Nature Conservation Day	Government Town U. P. School, Kothamangalam	28 Jul 2016
18	Blood Donation Camp I	M A College	29 Jul 2016
19	Observance of Hiroshima Day	M A College	5 Aug 2016
20	Cleaning of <i>Ramalloor Chira</i>	Ramalloor Chira, Kothamangalam	6 Aug 2016
21	Cleaning of <i>Canal at Ramalloor</i>	Periyar Valley Irrigation Project Canal at Ramalloor, Kothamangalam	7 Aug 2016
22	Observance of Nagasaki Day	M A College	9 Aug 2016
23	Swachh Bharat Student's Movement: Solid Waste Management Programme	M A College	10 Aug 2016
24	Swachh Bharat: Cleaning of Elambra Pond	Panchayath Pond at Elambra in Nellikuzhi Grama Panchayath, Kothamangalam	13 Aug 2016
25	Independence Day: Flag Hoisting	M A College	15 Aug 2016
26	Independence Day Procession	Kothamangalam town	15 Aug 2016
27	Street Play on Swachh Bharat Abhiyan	Municipal Bus Stand, Kothamangalam	15 Aug 2016
28	Tree plantation in the Campus	MAC, M P Varghese road	16 Aug 2016
29	SLATE 2: Anti-War & Nuclear Disarmament Campaign	St. George High School, Kothamangalam	17 Aug 2016
30	Observance of Sadbhavana Diwas	M A College	18 Aug 2016
31	Organic Farming at Snehalayam	Snehalayam, Malayinkeezhu, Kothamangalam	20 Aug 2016
32	Tiranga March	MAC and paraded through the main centers of the locality to Kothamangalam private bus stand.	22 Aug 2016
33	Organic Farming at Koventhappady	Koventhappady, Kothamangalam	27 Aug 2016
34	Preparing Land for Vegetable Cultivation at Hostels	Hostels of MAC	03 Sep 2016
35	Blood Grouping Camp for PG Students	M A College	06 Sep 2016
36	OUR farm: Organic Farming @ College Hostels	M A College	10 Sep 2016

37	Onam Celebrations at Ashraya Special School	Ashraya Special School Koothattukulam, Kothamangalam	12 Sep 2016
38	NSS day Celebrations: Mass tree planting programme	M A College	30 Sep 2016
39	Cleanliness Drive: Observance of Gandhi Jayanti	M A College	1 Oct 2016
40	SLATE III – Ozone Preservation day	Fr. JBM U P School, Malayinkeezhu, Kothamangalam	7 Oct 2016
41	Plastic free Campus	MAC	18 Oct 2016
42	Run for Unity	Streets of Kothamangalam	27 Oct 2016
43	Observance of Rashtriya Ekta Diwas	M A College	28 Oct 2016
44	Tableau 2K16 – Inter-department Tableau Competition	M A College	2 Nov 2016
45	Pen-Drive Campaign: Let's Stop Plastics Pollution	MAC, 5 Institutions, Kothamangalam	4 Nov 2016
46	Green City Clean City: KSRTC Bus Stand Cleaning	Town, Kothamangalam	5 Nov 2016
47	Bodha Paournami: Awareness Programme against drugs	M A College	10 Nov 2016
48	Home 4 Homeless: House Construction at Koventhappady	Koventhappady, Kothamangalam	14-15 Nov 2016
49	Blood Donation camp II	M A College	23 Nov 2016
50	Swachh Bharat Swasth Bharat	Kothamangalam	26 Nov 2016
51	Mega Medical Camp	Rottery Bhavan	30 Nov 2016
52	Home 4 Homeless: House construction	Naadukaani, Kothamangalam	2 Dec 2016
53	Ente Kulam: Cleaning of Olichira Public Pond	Olichira pond and premises in Koventhappady, Kothamangalam	8 Dec 2016
54	Ente Kulam: Cleaning of Chira at Ward XIX	Ward XIX of Kothamangalam	9 Dec 2016
55	International Anti-corruption day	M A College	9 Dec 2016
56	E waste Management Programme: Haritha Keralam Mission	M A College	9 Dec 2016
57	Blood Donation Camp III	M A College	15 Dec 2016
58	Cleaning of Valiyapara Public Pond	Valiyapara, Kothamangalam	16 Dec 2016
59	Niyama Paadam: Legal Awareness programme for Students	M A College	20 Dec 2016
60	Cleaning of Rainwater Storage Tank	M A College	21 Dec 2016
61	Annual Special camping Programme at Kuttampuzha	Govt H.S.S., Kuttampuzha	26 Dec 2016
62	Swachh Bharath Mission Activities at Kuttampuzha	Govt H.S.S., Kuttampuzha	27 Dec 2016
63	Seminar on Organic Farming	Govt H.S.S., Kuttampuzha	27 Dec 2016
64	Street Play on Pesticide free vegetables	Kuttampuzha town	27 Dec 2016
65	Cleaning of the premises of Village Office Kuttampuzha	Village Office Kuttampuzha	28 Dec 2016

66	Cleaning of the premises of Police Station Kuttampuzha	Police Station Kuttampuzha	28 Dec 2016
67	Awareness Seminar on Right to Information Act	Govt H.S.S., Kuttampuzha	28 Dec 2016
68	Organic farming at Govt. HSS Kuttampuzha	Govt H.S.S., Kuttampuzha	28 Dec 2016
69	Socio Economic Health Survey at <i>PANTHAPRA TRIBAL</i> Settlement	Panthapra Tribal Settlements, Kuttampuzha	29 Dec 2016
70	Street Play on Youth Against Corruption	Kuttampuzha Police Station Junction	29 Dec 2016
71	Naadan Paattu Kalari	Govt H.S.S., Kuttampuzha	29 Dec 2016
72	Be safe on Roads: Traffic Awareness Programme	Govt H.S.S., Kuttampuzha	30 Dec 2016
73	Awareness Campaign against Jaundice	Govt H.S.S., Kuttampuzha	30 Dec 2016
74	Plastic free Kuttampuzha Campaign	Kuttampuzha town	30 Dec 2016
75	Cleaning the Premises of Forest Range Office	Forest office Kuttampuzha	30 Dec 2016
76	Cleaning the Premises of Post Office & KSEB Kuttampuzha	Post Office Kuttampuzha	30 Dec 2016
77	Cleaning of River Road	River road Kuttampuzha	30 Dec 2016
78	ODF Campaign at <i>THALAVECHAPARA</i> Tribal Settlement	Thalavecha Paara Tribal Settlement	31 Dec 2016
79	Angana Vadi Visits at Tribal Colonies	Kuttampuzha	31 Dec 2016
80	Campaign Against Jaundice at <i>VELLARAMKUTH</i> Tribal Colony	Vellaramukuth	31 Dec 2016
81	Shubh Yaathra - Road Safety Awareness Campaign	Kuttampuzha	14 Jan 2017
82	Awareness programme on cyber crime	YMCA , Kothamangalam	21 Jan 2017
83	Solid waste management in the campus	M A College	23 Jan 2017
85	Solid Waste Management Campaign	M A College	Recurring
86	Water Quality Analysis at Regular Intervals	College, Boys Hostels, Ladies Hostels and Sports Hostels of Mar Athanasius College and M.A. Engineering College, M.A. International School and from nearby houses.	Recurring
87	Republic day 2017	MAC	26 Jan 2016
89	Koythulsavam: Paddy harvesting	Kutilanji, Irumalapady	4 Feb 2017
90	Ente Kulam: Choral Chira Cleaning	Choral Chira, Nedumkanni, Kuruppampady	18 Feb 2017
91	Kavitha Maram: International Mother Language Day	M A College	21 Feb 2017
92	Home 4 Homeless: House Construction at Akanad	Akanad, Mudakuzha/Kuruppampady	23 Feb 2017
93	Be Bold for Change: International Women's Day	Varapetty, Kothamangalam	7 Mar 2017

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	25 ha	Nil		25 ha
Class rooms	8319 m ²	Nil		8320 m ²
Laboratories	2868 m ²	Nil		2868 m ²
Seminar Halls	815.5 m ²	Nil		815.5 m ²
Library	2340 m ²	Nil		2340 m ²
Veranda, staff room and toilets	2097 m ²	Nil		2097 m ²
St Mary's Women's Hostel	1028 m ²	Nil		1028 m ²
Mar Athanasius Women's Hostel	2173 m ²	Nil		2173 m ²
Multipurpose synthetic court	576 m ²	Nil		576 m ²
Indoor Shooting range	649 m ²	Nil		649 m ²
Indoor stadium	1026 m ²	Nil		1026 m ²
Students' centre	243 m ²	Nil		243 m ²
Canteen + Annex	399 m ²	Nil		399 m ²
Outdoor stadium	7200 m ²	Nil		7200 m ²
Basket ball court	2400 m ²	Nil		2400 m ²
Swimming Pool	1250 m ²	Nil		1250 m ²
Clock Tower	319 m ²	Nil		319 m ²
Health club	299m ²	Nil		299m ²
Chapel	228 m ²	Nil		228 m ²
Students parking	270 m ²	Nil		270 m ²
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	0	0		NA
Value of the equipment purchased during the year (Rs. in Lakhs)	0	0		NA
Others	0	0		0

4.2 Computerization of administration and library

- The library is fully computerized and can be accessed through the College website and through OPAC terminals.
- Library is automated with the Integrated Library Management System Koha version 16.05.05.000 in the academic year 2017
- Administrative department and teachers use as automation software which supports activities such as admission, attendance, class management, internal/external examinations, fees, feedback, student/parent/teacher login, etc. and is done online.

4.3 Library services:

4.2.1 Library Services:						
	Existing		Newly added		Total	
	No.	Value (Rs.)	No.	Value (Rs.)	No.	Value (Rs.)
Text Books	64874	15019922	569	70827	65443	15107077
Reference Books	1970		16	87115	1986	
e-Books	135000	-	3000000+	-	3135000+	-
Journals	40	42960	40	50830	40	93790
e-Journals	6000	-	6000+	-	6000+	-
Digital Database	1	5000	1	5750	1	10750
CD & Video	748	-	25	-	773	-
Library automation	LCP	400000	Koha ILMS	95000	1	495000
Weeding (Hard &	5942	--	484	78779	6426	--
Periodicals	55	31446	62	58301	62	58301
News papers	15	23558	15	32940	15	32940

4.4 Technology upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	219	4	1	1	1	2	24	0
Added	2	0	0	0	0	0	0	0
Total	221	4	1	1	1	2	24	0

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

- Training for Moodle to selected Students

4.6 Amount spent on maintenance in lakhs :

i. ICT	: 6.98
ii. Campus Infrastructure and facilities	: 41.46
iii. Equipment	: 7.37
iv. Others	: 8.46
Total	: 64.27

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Internet facility with Wi-Fi connectivity is made available throughout the campus to support the students in enhancing their knowledge with easy digital access.
- Induction day for the fresher's, where in all the coordinators & conveners of different committees briefed the students about curricular & extracurricular activities
- The college is catering to the needs of students belonging to deprived communities of Scheduled castes, Scheduled tribes, other backward classes and low-income groups. SC and ST Students are encouraged to continue their education by way of Scholarships from Government and Non – Government Organizations
- Subject wise special coaching classes for slow learners are conducted during the evening hours.
- Entrepreneurship Development Cell organizes periodical meetings with industrialists, entrepreneurs and chief executives of various concerns to enhance the entrepreneurship skills among the students.
- Placement & Career Guidance Cell organizes various training programs to mould the students with core competency and employability. They organizes motivational classes and classes from cyber cell and excise department on the harmful effects of Mobile phones and drug addiction.
- Library is equipped with various books, references, journals and e-journals to supplement the thrust of students and to enrich their self-learning ability.
- A Grievance Redressal Cell is constituted to address the grievances of the students and parents through feedback.
- Student association in each department organizes various programmes to widen their exposure in their respective field.
- National Service Scheme [NSS], National Cadet Corps (NCC) , Nature club, Social service club & Red Cross & other clubs encourage the students to take part in community development activities.
- Alumni interactions, speakers forum, debate clubs, college radio and language laboratory, give motivation and training for students to avoid stage fright and attend the public .
- Cash incentives to student achievers are provided by various department as retired teachers endowments
- Women Cell empowers the girl students by giving various training classes and self defence mechanisms
- Anti-ragging committee gives classes on ragging to fresh batch students at the time of entry to colleges
- Students' feed back system is followed to obtain opinion from them about the effectiveness of the faculty and the facilities in the college.
- Medical insurance for accidental and risk coverage is offered to all the students

5.2 Efforts made by the institution for tracking the progression

- Moral training sessions are conducted in all departments by which personal assessment of each pupil is done by the class teacher.
- Tracking the progress of students through periodical test papers, Assignments, seminars, power point presentations, debates, Model exams, and counselling.
- Various committees to support the students such as Student welfare, Grievances and Redressal , Women's welfare etc

- Periodic Parent - Teachers meeting to convey the progress of wards and to elicit their views on various issues.
- Department meetings are being conducted twice in a month to monitor the progress of the action plan.
- Class committee and course committee meetings are held twice in a semester to monitor the difficulties faced by students in classrooms and to find out the syllabi covered by the corresponding teachers.
- Academic audit is being conducted every semester to evaluate the progress.
- College timings have been changed to 9.30- 3.30 (from 10 -4)and from 3.30 to 4.30 students are engaged by tutorial classes and club activities alternatively
- Special attention is given to brilliant students through WWS programme.
- Bridge course in English is given to students of 1st year from 3.30 to 4.15 pm from Monday to Thursday.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
518	196	10	0

(b) No. of students outside the state : 11

(c) No. of international students : 0

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
945	265	61	708	14	1993	964	262	59	698	17	2000

Men	No	%
	566	30

Women	No	%
	1322	70

Demand ratio (College Average): 3.18 (PG) and 6.7 (UG) Dropout: 5.9%

5.4 Details of Student Support mechanism for coaching for competitive examinations (if any)

- Placement cell is organizing the coaching classes for the students to face competitive examinations like PSC, Bank test etc.
- PG students are given special coaching to attend NET, SET , SLET, GATE and other competitive examinations
- University Employment Information and Guidance Bureau, CUSAT, Kochi conducted a programme on career guidance and soft skill development on 11/8/2017 for II year PG students, which was organized by Placement cell
- Communication skills of the students were improved by giving continuous soft skills training by Speakers forum , debate club and Placement & Career Guidance cell.

No. of students beneficiaries:

5.5 No. of students qualified in these examinations

NET: 8	SET/SLET: 2	GATE: 1	CAT: 0
IAS/IPS: 0	STATE PSC: 0	UPSC: 0	OTHERS: 0

5.6 Details of student counselling and career guidance

- Counselling is provided to the students as a psychological support.
- Students are encouraged to convey their grievances and needs more freely to the mentors.
- Counsellor counsel students of poor academic performance, for their improvement in the studies.
- Counsellor deal with all the students having social, economic and personal problems
- The Career Guidance Cell is catering to the needs of students with the following objectives
 - a. To organize programmes to create awareness on the importance of higher studies in India and abroad.
 - b. To organize coaching classes for competitive exams such as NET, SET, SLET, GATE, and other exams and to counsel them for higher studies.
 - c. To give ideas for preparing the materials for exams .

No. of students benefitted : 300

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
11	478	206	12
List of Companies: ICICI Bank, Axis Bank, HDFC Bank, Iyka, Eureka Forbes, Star Health, EVM Group, Prayag Business Associates, Appzoc Technologies, MGF Hyundai, Malabar.			

5.8 Details of gender sensitization programmes

- Women Cell organizes several programmes to enhance the confidence level of girl students for their empowerment in the society.
- International Women's Day was celebrated to appreciate the remarkable contribution of women to our society.
- Personal and academic related problems of women are counselled and solved.

5.9 Students Activities

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

State/ University level: National level: 80 International level: 2

No. of students participated in cultural events

State/ University level: National level: 0 International level: 0

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

Sports : State/ University level: National level: 18 International level: 0

Cultural: State/ University level: 13 National level: 0 International level: 0

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	10	43000
Financial support from government	32	161713
Financial support from other sources	0	0
Number of students who received International/ National recognitions	0	0

5.11 Student organised / initiatives

Fairs : State/ University level: 0 National level: 0 International level: 0

Exhibition: State/ University level: 0 National level: 0 International level: 0

5.12 No. of social initiatives undertaken by the students

98

S.No	Name of the Clubs	No. of Social Initiatives
1	NSS	93
2	Youth Red Cross	NA
3	NCC	5
4	Social Service Club	NA

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 office automation software was updated this year to make it more user friendly. The software has different modules for Student online admission, student registration, fees, student administration, attendance, online feedback, examination, parent and student portals.

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

6.3.1 Curriculum Development

- Examination manual and academic calendar was approved
- Approved guidelines and regulations for UG and PG Programmes
- Internship / Industrial Training for UG students
- Draft Curriculum and Syllabi of UG Programmes were formed for the academic year 2017-18
- Along with certificate course, started diploma course on Taxation.
- A decision was taken to start certificate programme in *Logistics and Supply Chain Management* from the academic year 2017-18.
- Teachers of the college who are part of the Board of Study (BOS) of M.G University participated in the syllabus revision meetings and workshops organised by the Mahatma Gandhi University.
- The institution has prepared a panel of the members to be nominated to the Board of Studies of 16 PG and 13 UG Programmes.

6.3.2 Teaching and Learning

- Smart class rooms
- Encourage Web based learning
- Smart Board training was conducted for the teachers by the IQAC

- Walk with Scholar programme of the Higher Education Department was implemented effectively. 10 teachers and 60 students were benefited by the programme.
- Scholar support programme of the Higher Education Department was implemented effectively. 15 teachers and 150 students were benefited by the programme.

6.3.3 Examination and Evaluation

- Nomination of the Members to Examination Committee. Nominated Controller of exams, Deputy controller of exams and two assistant controllers.
- An Examination Cell was constituted for the conduct of in-semester and end-semester examinations comprising a Chief Superintendent and two deputy superintendents.
- Approval of the Examination Manual and Academic Calendar for the year 2016-17.
- Approval of Prospectus for the academic year 2016-17.
- *A Committee of Senior Teachers was constituted to evaluate and monitor the methods of internal assessment tests in the institution.*
- *The faculty adviser should keep proper records of the internal assessment tests and it must be made available to the students for three years*
- *The Grievance Cell of the institution is hereby entrusted to resolve the complaints of the students (If any) about the Internal Assessment Tests*
- Results of the first semester UG examinations held in November 2016 were published on 22.12.2016. This was the first set of results after the institution was made autonomous.
- Results of the first semester PG examinations held in January 2017 were published on 10/02/2017 (13 PG programmes) and 08/03/2017 (3 PG programmes).

6.3.4 Research and Development

- The college encouraged the teachers to avail financial support for various major and minor research projects from National and State Agencies. Two minor research projects are sanctioned during this academic year. A sum of rupees 1.15 lakhs has been received during this academic year for research and development. 43 research scholars are working in the research Departments. 21 research articles are published during the academic year.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- 337 number of text books, 48 reference books and 1347 other books are added during the current academic year for a sum of Rs. 6,19,922/-
- 29 Desktop computers, 3 Laptops, 2 DLPs and 12 Wi-fi routers are added in the year.
- A Board Room was constructed with a seating capacity of 25
- CCTV cameras were installed in examination halls

6.3.6 Human Resource Management

- Constituted the following Statutory Committees
 1. Governing Council
 2. Academic Council
 3. Board of Studies
 4. Finance Committee

And the following Non-statutory Committees

Admission Committee, Planning and Evaluation Committee, Grievance and Appeal Committee, Examination Committee, Library Committee, Student Welfare Committee, Finance Committee, Extra Curricular Activity Committee, and Academic Audit Committee were constituted for the effective implementation of autonomy.

- Motivate the teachers to attend maximum number of programmes such as refresher/orientation/workshops.
 - ✓ Three Teacher Orientation Programmes organized
 - ✓ 2 Curriculum Workshops were conducted
 - ✓ Two classes are conducted on Documentation of NAAC file

6.3.7 Faculty and Staff recruitment

- The management has been taken interest in appointing quality teachers. This year one permanent staff member, Smt. Claudin Rocha joined Commerce department.

6.3.8 Industry Interaction / Collaboration

- Interaction with industry is made mandatory 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.
- Published a student prospectus online and printed. Formulated a system, procedure and policy for admissions.

System:

Admission is done online from last year.

Procedure

The students register online, enter details and pay fees online. Students also will have to send copies of the printed application for to the office.

Policy

The policy is fair treatment for all. Admission is based purely on merit. Adhere to the reservation policies that prevail in the country.

- Started admission for UG and PG programmes on 27.05.2016 and 20.07.2016 respectively.

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 Endowment scholarships in the Departments of Chemistry and Mathematics.

6.4 Total corpus fund generated: 178.9 lakhs

6.6 Whether annual financial audit has been done Yes No

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

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

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes

Yes No

For PG Programmes

Yes 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?

- Not Applicable

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

- None

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

- Tree Planting
- Maintenance of Medicinal Garden
- 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.

- Rehabilitation work/School visit at Pinavoorkudy/Visit to mentally retarded institutions
- M Com International Business activities
- Kuroor Thodu cleaning
- NSS and NCC activities
- Flood relief
- Nature club activities (Bottle garden, sorting of waste, labelling and tagging, conservation of water and electricity, Summer school programme- Manimala, Biodiversity Plot at Thattekkad, Plastic shredding)
- ED club activities
- Women cell activities
- Water analysis-Bioscience
- Soil Analysis- M SC Zoology
- Solar Panel
- MOU-Arjuna, Biosciences
- Rain water harvesting
- Consultancy services-Commerce Business consultancy
- Coaching-IAS, PSC, Career advancement Coaching, Placement Training, soft skill training, orientation to I year degree and I year PG students
- Walk with Scholar, Scholar Support Programme
- ASAP
- Blood Donation Campaign
- Session on mock drill (Fire, Rescue, traffic awareness, safety, law, anti drug, anti narcotic)
- Summer camp(Physical education)
- Major initiatives
- Facilities shared to community
- Staff day by MAC association
- Departmental extension programme to other educational institutions- Mathirappilly- sports facilities
- Distribution of seed pen, saplings, chekkutty dolls, contribution of teachers to flood related activities
- Chief minister's distress relief fund
- Faculty consultancy work if any for promoting the development of the society
- Award- Best Physical education teacher-Contribution extended by Mathew sir for developing sports activities to other institutions.
- Contribution of Botany Department in association with Neriamangalam Krishi Bhavan

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

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

I. Fostering Research Culture among the Teachers and Students

Goal

To perform genuine research of international repute and to train students on the relevance of conducting research.

The Context

Research and teaching learning process are inter related and depends mostly on the state-of-the-art infrastructure facilities. Spacious laboratories equipped with modern and sophisticated instruments, well managed library, ICT facilities and support from the College Management are major factors that encourage scientific research in the college.

The Practice

A research committee and an ethics committee scrutinize the research activities. The Management has taken a key role in creating a research atmosphere in the campus and also instituted prize money for research publications. The college motivates the teachers to prepare and submit individual research project proposals. Moreover, the institution has been taking an immense effort for availing financial support from various agencies by submitting proposals. The College has established a centralized instrumentation center and FIST (DST) laboratory. Students are encouraged to avail the facilities to carry out their end of the course research projects apart from research fellows using these for frontline research.

Evidence of Success

Nine Major Research Projects and fifty Minor Research Projects have been sanctioned by various agencies during the last five years. 90 papers published in 194 International/National journals during the last five years and 140 papers presented in International/National conferences. One patent was generated by the Department of Physics in 2014 through collaborative research with the University of Strathclyde in Glasgow, Scotland, UK. 41 research scholars are working in our college leading to PhD. The department of Chemistry and Biotechnology offers Consultancy services to industries and institutions. Extension services such as analysis of soil, water, food adulterants etc. are also offered to the farmers of neighboring community. Student projects of PG and UG programmes are also being carried out using the sophisticated instruments and students are getting a rare opportunity to get involved in frontline research.

Resources

The College has received DST-FIST grant of Rs. 79 lakhs from the Department of Science and Technology, Government of India. The College Management maintains these facilities. The College has already utilized the amount received from the UGC for College with Potential for Excellence Phases I and II for the purchase of costly equipment.

II. Holistic Development of Students Through Physical Education

Goal

Create physical fitness and inner discipline for the overall development of students through Physical Education and thereby achieve National/International excellence in sports and games.

The Context

Physical education creates an inner discipline that is essential for the student's holistic development and a healthy and structured life. It also provides a platform for the students to excel in sports by which they can represent the college in various National and International events. The college has created a generation of students who are creative and active participants in all the sports activities. College has provided adequate infrastructure, best trainers and coaches, incentives and scholarships to students.

Practice Infrastructure facilities:

The infrastructural facilities consisted of Football Field 110 x75 m, 3 Volleyball Courts (including Wooden, Mud and Synthetic Multipurpose Stadium), 3 Basketball Courts (including Wooden, Concrete and Synthetic Multipurpose Stadium), 3 Badminton Courts (wooden), 320 m Training Track with 2

Jumping Pits, High Jump Mat and all Throwing Sectors with Fencing and floodlit facility, Multi-purpose Indoor Stadium (11,000 sq. ft.), Indoor Shooting Range 30 x 20 x 4m, 8 Lane Swimming Pool with dimension of 50 x 25 x 2m, 195 Fitness Centre and Weight Training Hall, Cricket Field, 2 Cricket Indoor Nets, Handball Court, 2 Hills for Training, and Boys and Girls Warm-up Area. Apart from students, teachers and non-teaching staff utilize these facilities

Department of Physical Education Incentives:

Several students won medals/trophies in International/National/State wise/Regional events in the past 4 years. The college management gives extra gold medals to the winners at special functions every year. Those students who are having talents in sports are given free accommodation and food provisions by the Management.

Coaches:

The College Management appointed four coaches in addition to the two faculty members of the Department of Physical Education supported by the government.

Evidence of Success Awards/Recognitions:

The athletes represented India in various international events are:

YEAR	SPORTS	NAME OF STUDENTS	LEVEL OF PARTICIPATION
2016-17	Athletics	Anilda Thomas (Former Students)	Represented India in the Rio Olympics
2016-17	Athletics	Gopi .T (FORMER students)	Represented India in the Rio Olympics

Meet Records Set by M.A.College Athletes in the M.G.University Athletics Meet

Sl. No	Name	Section	Meet	Event	Performance	Year
1	Sherin Jose	Men	M.G. Uty. Meet	10000 M	32.Min:8.50 Sec	2016
2	Thomas Abraham	Men	M.G. Uty. Meet	20 Km RW	1 Hr:38 Min	2016
3	Suhail P V	Men	M.G. Uty. Meet	Long Jump	7.59 M	2016

Participation of University/College in Sports during last Five years:

SLNO	SPORTS	YEAR	NUMBER OF EVENTS PARTICIPATED
1	Athletics	2017	Winners in Ernakulum district Athletic Championship (Men)
			Winners M G University Athletics Championship (men)
2	Volleyball	2017	Runner up in the MG University Volleyball Championship
3	Football	2017	Runner up M G University Football Championship
4	Water Polo	2017	Runner up M G University Water Polo Championship (men)
5	Swimming	2017	Runner up M G University Swimming Championship (men)
6	Cross Country	2017	Winners M G University Cross Country Championship (men)

7	Cross Country	2016	Winners M G University Cross Country Championship (men)
2	Athletics	2016	Winners M G University Athletics Championship (men)
			Runner up in All Kerala Inter Club Athletics Championship
			Winners in Ernakulum district Athletic Championship (Men)
3	Swimming	2016	Runner up M G University Swimming Championship (men)
4	Water Polo	2016	Runner up M G University Water Polo Championship (men)

Medal Tally of International/National/University/College in Inter-university/Inter- college events and above for last three years:

YEAR	SPORTS	LEVEL OF PARTICIPATION	MEDALS	RECORDS
2016-17	ATHLETICS	1- Athlete Represented India for Grand Prix serious		
		4-Athletes represented Kerala state in Senior Nationals	1-Gold 2-Silver 1-Bronz	
		1-Athletes Represented Kerala State in Open Nationals	1-Gold	
		4-Athletes represented Kerala state in junior Federation nationals		
		4-Athletes represented Kerala state in Youth nationals		
		8-Athletes represented Kerala state in South Zone nationals	1-Gold 2-Silver 1-Bronz	
		3-Athlets represented MG University for All India inter university cross country championship		
		19 Athlets represented Kerala state in the 19 th Junior Nationals	2 Gold 4 Bronze	
	FOOTBALL	3-Students Represented Kerala Under 21 Football team		
	VOLLEY BALL	2 Students represented MG University for All India inter university Volley ball Championship		
	AQUATICS	4-Swimmers represented MG University for All India inter university Swimming championship		
		2-Players represented MG University for All India inter university Water Polo championship		

Hosting Sports meets:

- 1) Organised M G University Inter Zone Football Championship for men 2017.
- 2) Organised M G University Aquatic and water Polo Championship for men and women 2017.
- 3) Organised Kerala State senior Aquatics team camp 2017.
- 4) Organised M G University men and women Aquatics camp 2017
- 5) Organized M G university Cross Country men team camp 2017
- 6) Organised Kerala State Archery men and women team camp 2017
- 7) Organised M G University North Zone Football Championship for men 2017.
- 8) Organised a state level Cricket Clinic on Strength and Conditioning for Coaches and Teachers of Kerala in association with Kerala Cricket Association in 2017
- 9) Organised the 61st Ernakulam District Senior Athletics Championship 2017.
- 10) Organised the 16th Ernakulam Revenue District School Athletics Meet 2017.
- 11) Organised M G University Inter zone Football men Championship 2017
- 12) The very prestigious Mahathma Gandhi University Athletics Championship hosted by Mar Athanasious College in 2016.
- 13) Organised Kerala state Youth Volleyball preparatory camp for men (for the 19th Youth Nationals) at Jaipur Rajasthan 2016.
- 14) Organised M G University Cross Country Championship for Men & Women in the year 2016.
- 15) Organised M G University Aquatic and water Polo Championship for men and women 2016.

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

- Celebrating International Days on Environment
- Rainwater harvesting
- Medicinal plant garden
- Green campus programmes
- M. P. Varghese Tree Park
- Nature camps
- *Manimala* programme for school students
- Solar energy with the help of solar panels
- Cleanliness Drive-Swachh Bharath Abhiyan
- Reuse of plastic bottles by making bottle garden
- Rain water harvesting
- Collection, sorting and shredding of plastic wastes

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

8. Plans of institution for next year

1. Academic Excellence:

In order to ensure academic excellence, re-structure the course timings from the next academic year, insist on preparation of teaching plans by teachers, ensure functioning of class committees, and monitor in semester assessments of students.

2. Skill development

Job and competitive examination oriented training for students. Entrepreneurship awareness and training for students.

3. Placement Drive

Appoint a new placement officer to accelerate campus placement for students.

4. Facilities for PWD

Provide more facilities for people with disabilities.

5. Remedial Coaching

Encourage remedial extra lesson for those students who does not score enough marks for the successful completion of the degree.

6. Energy conservation:

Following measures are taken in the college to conserve energy All the instruments are regularly calibrated and serviced.● Batteries of UPS are regularly serviced and the damaged ones are● replaced. A Steam Cooking System was installed in the Mar Athanasius Women’s● Hostel. Periodical awareness was given to the students in the class rooms and● laboratories.

7. Renewable energy:

Explore possibilities for improving renewable energy capabilities of the college.

8. Water harvesting:

Improve Rain Water Harvesting facility. The existing rain water reservoir has the capacity of more than a million litres.

9. Efforts for Carbon neutrality:

Continue the activities of the college on carbon neutrality among the community.

Dr.Aby P. Varghese
Coordinator, IQAC

Dr. Densely Jose
Chairperson, IQAC

Annexure I

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

APPENDICES

A. Worksops, Seminars conducted 2016-17

1. Application of Mathematical and Statistical skills (pension liability calculations by AON, Bangalore), Actuarial Science 15/7/2016

B. MOUs signed

1. Geojith
Date signed: 25.1.2017
Purpose: Training to students
No. of Students/Teachers benefitted: 20
2. AMES
Date signed: 24.1.2017
Purpose: Training to students
No. of Students/Teachers benefitted: Not given

C. Financial Support to the students from the institution:

1. Prof. V. V. Kuriakose Memorial Scholarship
Number of Students benefitted : 1
Amount : 10000
2. Prof. K. Georgekutty Endowment Scholarship
Number of Students benefitted : 1
Amount : 10000
3. Faculty Scholarship
Number of Students benefitted : 1
Amount : 5000
4. Prof. K. P. Geevarghese memorial Scholarship
Number of Students benefitted : 1
Amount : 1500
5. Alumni Scholarship (Mathematics)
Number of Students benefitted : 1
Amount : 1500
6. Prof. P. I. Daniel Scholarship
Number of Students benefitted : 5
Amount : 15000 (5 × 3000)

D. Students qualifying in state/ national/ international level examinations during the year (e.g.: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

1. NET : 4 (1 Physics, 1 Chemistry [Sr. No. 3061610117], 2 Economics)
2. GATE : 2 (Physics)
3. JEST : 1 (Physics)

E. No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

1. Orientation Programme for NSS Programme Officer, Anu George- Department of English, 23 to 29 September 2016
2. Orientation Programme, Justina George- Department of English 19-10-16 to 15.11.2016

3. Faculty development programme, Marymol Moothedan (Chemistry) 03-06-2014-02-12-2016
4. 6-Day ISTE sponsored Faculty Development Programme on Art of Effective Teaching conducted by Mar Athanasius College of Engineering, Kothamangalam, Kerala, Dr. Saritha K Nair (Physics) July 4-9, 2016
5. Orientation Programme, Jani Chungath- Department of History (20-2-2017 to 20-3-2017)

F. List of Publications

Journals

1. (English) Woman as a Victim of Racial Hatred: A Study of Toni Morrison's Novel *The Bluest Eye*, International Journal of English Language and Hupppp (ISSN2321-7065), July 2016. Impact factor - 4.287, Vol.4, Issue VII.(85-95)
2. Marymol Moothedan and K.B. Sherly, Synthesis, characterization and sorption studies of Nano lanthanum oxide, Impact Factor - 1.3, Citation index – 2, Journal of Water Process Engineering, 9 (2016) 29-37
3. Manju Kurian and Christy Kunjachan, $Ce_xV_{1-x}O_2$ (x : 0, 0.25–1) nanocomposites as efficient catalysts for degradation of 2,4 dichlorophenol, Impact Factor - 1.38, Citation index – 7, Journal of environmental chemical engineering, 4 (2016) 1359-1366
4. Manju kurian and Divya S Nair, Effect of preparation conditions on Nickel Zinc Ferrite nanoparticles: A comparison between sol–gel auto combustion and co-precipitation methods, Impact Factor - 2.45, Citation Index – 16, Journal of Saudi Chemical Society, 20 (2016) S517-S522
5. Manju Kurian, B. Varghese et.al., Novel and Efficient Synthesis of Silver Nanoparticles Using Curcuma Longa and Zingiber Officinale Rhizome Extracts, Impact Factor -, Citation Index –, International Journal of Nanoscience and Nanotechnology, 12 (2016) 175-181
6. Manju Kurian and S. Kavitha, A Review on the Importance of Pillared Interlayered Clays In Green Chemical Catalysis, Journal of Applied Chemistry, Impact Factor -, Citation Index –, 2278-5736, PP47-54
7. K. Keerthi, K. AijoJohn, B. Pradeep, M. D. Benoy, R. Anuroop and Rachel Reena Philip, A novel method for low temperature crystallization of transparent conducting delafossite $AgInO_2$, Journal of Alloys and Compounds, Impact Factor - 3.779, **693**, (2017) 421-425

Books

1. (English) Liberation Through Sisterhood: An Analysis of Maya Angelou's *I Know Why the Caged Bird Sings*" A chapter in the book *Recent Research*, ISBN-978 81 926565-2-6, June 2016, pp 49-52

Conferences:

1. K. Prasanna Kumari and Boben Thomas, Surfactant modified SnO_2 nanostructured thin film for improved sensing performance of LPG and ammonia, AIP Conference Proceedings, May 2017, **1832**, (2017) 080039
2. M D Benoy, Optical characterization of copper doped indium oxide thin films, Proceedings of National Conference on Advanced Materials - Processing and Characterisation, February 2017
3. Smitha Thankachan, Greshma Mathai and Neethu Rajan, Effect of temperature on the structural properties of Nickel Ferrite Nano particles, Proceedings of UGC sponsored National seminar on Frontiers of Nanotechnology at Marthoma College for Women, Perumbavoor on August 28-29, 2017
4. Krishnaprasad P S, Domain matching epitaxial growth of dielectric thin films by pulsed laser ablation, Proceedings of International Symposium on Semiconductor Materials and Devices (ISSMD-4), Jadavpur University, Kolkatta, March 2017.

5. Divya S Nair and Manju Kurian, Catalytic degradation of pollutants From Water over ferrites, Kerala Technological Congress (KETCON 2017-Energy Technologies) Mar Athanasius College of Engg. Kothamangalam (shortlisted for Best Paper Award), 13-14, January 2017
6. Remya V R and Manju Kurian, Catalytic Removal of 4-Chlorophenol From Water Using Iron Doped Nanoceria, Kerala Technological Congress (KETCON 2017-Energy Technologies) Mar Athanasius College of Engg. Kothamangalam, 13-14, January 2017
7. Christy Kunjachan and Manju Kurian, Vanadia ceria Nano composites as efficient catalysts for wet peroxide oxidation of persistent and biorecalcitrant chlorinated organics, 29th Kerala Science Congress, Marthoma College, Thiruvalla (shortlisted for Best Paper Award), 28-30, January 2017

G. Demand Ratio (2016-17)

1. UG Courses

Sl. No	Name of Course	Sanctioned Strength	No. of Applications	DEMAND RATIO
1	B. Com Model I	50	794	16
2	B. Com Model III (40	686	17
3	B.A. English	40	915	23
4	B. A. Sociology	40	416	10
5	B.A. History	40	396	10
6	B.A. Economics	40	701	18
7	B.A. Hindi	30	194	7
8	B.Sc. Mathematics	32	635	20
9	B.Sc. Physics	32	759	24
10	B.Sc. Statistics	32	262	8
11	B.Sc. Chemistry	32	930	29
12	B.Sc. Botany	32	672	21
13	B.Sc. Zoology	36	630	18

2. PG Courses

AIDED PG COURSES				
Sl. No	Name of Course	Sanctioned Strength	No. of Applications	DEMAND RATIO
1	M.Com	15	178	12
2	M.A. English	15	40	3
3	M.A. Economics	15	122	8
4	M.Sc. Mathematics	15	151	10

5	M.Sc. Physics	12	98	8
6	M.Sc. Chemistry	10	142	14
7	M.Sc. Botany	10	78	8

SELF-FINANCING PG COURSES				
Sl. No	Name of Course	Sanctioned Strength	No. of Applications	DEMAND RATIO (PG)
1	M.Com. IB	20	61	3
2	M. A. Sociology	20	14	1
3	M.A. History	20	11	1
4	M.Sc. Statistics	18	97	5
5	M.Sc. Zoology	15	42	3
6	M.Sc. Microbiology	20	77	4
7	M.Sc. Biotechnology	20	60	3
8	M.Sc. Biochemistry	20	79	4
9	MSc Actuarial	15	41	3