

ANNUAL QUALITY ASSURANCE REPORT (AQAR) 2016 -17



BISHOP ABRAHAM MEMORIAL COLLEGE

THURUTHICAD

Submitted to:

National Accreditation and Assessment Council (NAAC)

P.O. Box No. 1075, Opp: NLSIU, Nagarbhavi, Bangaluru, 560072 India



BISHOP ABRAHAM MEMORIAL COLLEGE, THURUTHICADU
AQAR 2016 – 17

PART – A

I. Details of the Institution

1.1 Name of the Institution

BISHOP ABRAHAM MEMORIAL COLLEGE

1.2 Address Line 1

THURUTHICADU P. O

Address Line 2

THIRUVALLA

City/Town

PATHANAMTHITTA

State

KERALA

Pin Code

689597

Institution e-mail address

bamcollegemay@gmail.com

Contact Nos.

04692682820 / 04692682241

Name of the Head of the Institution:

Dr. Alex Mathew

Tel. No. with STD Code:

04692682820 (Office) / 0469 663283 (Residence)

Mobile:

09495185128

Name of the IQAC Co-ordinator:

Dr. Thomson K. Alex

Mobile:

9400947721

IQAC e-mail address:

bamiqac@gmail.com

1.3 NAAC Track ID: KLCOGN13714

1.4 NAAC Executive Committee No. EC/47/A&A/05

1.5 Website address:

WWW.bamcollege.org

Web-link of the AQAR:

http://www.bamcollege.org/aqar.php

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.35	2009	2014
2	2 nd Cycle	B	2.55	2015	2020
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC: DD/MM/YYYY

11 / 08 / 2009

1.8 AQAR for the year

2016 - 17

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

- i. AQAR 2010 -11 submitted to NAAC on 11/ 07/ 2011
- ii. AQAR 2011 -12 submitted to NAAC on 19/ 06/ 2012
- iii. AQAR 2012 -13 submitted to NAAC on 25/ 09/ 2013
- iv. AQAR 2013 -14 submitted to NAAC on 06/ 08/ 2014
- v. AQAR 2014 -15 submitted to NAAC on 25/ 07/ 2015
- vi. AQAR 2015 -16 submitted to NAAC on 26/ 12/ 2018

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 (eg. AICTE, BCI, MCI, PCI, NCI) Yes No

Type of Institution Co-education Men Women

Urban Rural Tribal

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

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu.) Engineering Health Science Management

Others (Specify)

1.12 Name of the Affiliating University

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

Autonomy by State/Central Govt. / University	<input type="text" value="-"/>		
University with Potential for Excellence	<input type="text" value="-"/>	UGC-CPE	<input type="text" value="-"/>
DST Star Scheme	<input type="text" value="-"/>	UGC-CE	<input type="text" value="-"/>
UGC-Special Assistance Programme	<input type="text" value="-"/>	DST-FIST	<input type="text" value="-"/>
UGC-Innovative PG programmes	<input type="text" value="-"/>	any other (Specify)	<input type="text" value="-"/>
UGC-COP Programmes	<input type="text" value="-"/>		

2. IQAC Composition and Activities

2.1	No. of Teachers	<input type="text" value="9"/>
2.2	No. of Administrative/Technical staff	<input type="text" value="3"/>
2.3	No. of students	<input type="text" value="1"/>
2.4	No. of Management representatives	<input type="text" value="2"/>
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="0"/>
2.8	No. of other External Experts	<input type="text" value="0"/>
2.9	Total No. of members	<input type="text" value="17"/>
2.10	No. of IQAC meetings held	<input type="text" value="7"/>
2.11	No. of meetings with various stakeholders:	No. <input type="text" value="4"/> Faculty <input type="text" value="2"/>
		Non-Teaching Staff/ Students <input type="text" value="2"/> Alumni <input type="text"/> Others <input type="text"/>
2.12	Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	If yes, mention the amount	<input type="text"/>
2.13	Seminars and Conferences (only quality related)	
	(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC	
	Total Nos. <input type="text" value="2"/>	International <input type="text"/> National <input type="text"/> State <input type="text" value="1"/> Institution Level <input type="text" value="1"/>
	(ii) Themes	
	<input type="text" value="Recent Trends and Teaching Strategies in Higher Education"/>	
	<input type="text" value="Training on TCS Software"/>	

2.14 Significant Activities and contributions made by IQAC

All activities were conducted as per the academic calendar. Beyond these pre-planned activities, IQAC gives directions and supports to department associations, clubs and cells to organise various gender sensitisation programmes, awareness programmes and extension activities.

- IQAC always keen to improvise the best practices of the campus
- Network facilities in the Campus enhanced
- An amount of 50 Lakhs has been sanctioned by FIST for science departments. The procedures for the utilization of fund is going on.

2.15 Plan of Action by IQAC/Outcome

All activities were conducted as per the academic calendar- 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 *.

Opening Day Orientation programme of Second Year and Third Year Degree Students

To frame an action plan for UGC fund Utilisation

Organise a workshop on Research Methodology under the leadership of newly sanctioned Research Centre.

To conduct a residential camp for two days by Women Studies and Development Centre for Workshop on Gender Sensitivity and Women Safety under the title JWALA

A Two day Workshop for Assistant Professors having less than 5 years teaching experience proposed by College IQAC

To give supports for Field Trip for Science students to visit institutions with potential excellence

One day workshop on Use of Current Technologies in Learning Process

Students' Union Election to Create awareness on Democratic Parliamentary election process

To fully ICT equipped IQAC office

To take a rigorous plan to elevate Chemistry department in to Research Centre.

International and National Day Observations to create awareness among students on various subjects

To publish a handbook for departmental level administration and file management

Plan	ATR
Opening Day Orientation programme of Second Year and Third Year Degree Students	Conducted on behalf of Various Departments
To frame an action plan for UGC fund utilisation	IQAC initiated and gave the guidance for the same
Organise a workshop on Research Methodology under the leadership of newly sanctioned Research Centre.	Commerce Research Centre Conducted a National Level Workshop on Research Methodology from 24 th January 2017
To conduct a residential camp for two days by Women Studies and Development Centre for Workshop on Gender Sensitivity and Women Safety under the title JWALA	Women Studies and Development Centre Conducted a residential workshop for 100 girl students on 7 th and 8 th April 2017
A Two day Workshop for Assistant Professors having less than 5 years teaching experience proposed by College IQAC	IQAC of our college organised a Two day workshop (Regional) "Recent Trends and Teaching Strategies in Higher Education" for all faculty members having less than five years of experience. 60 faculties participated from various colleges all over Kerala
To give supports for Field Trip for Science students to visit institutions with potential excellence	PG Chemistry and other science students availed this benefit.
One day workshop on Use of Current Technologies in Learning Process	Physics Department conducted a workshop on the same
Students' Union Election to Create awareness on Democratic Parliamentary election process	Election was held on 8 th September 2016
To fully ICT equipped IQAC office	Purchased new software for attendance Management and new printers
To take a rigorous plan to elevate Chemistry department in to Research Centre.	Process is going on
International and National Day Observations to create awareness among students on various subjects	NSS, NCC, Nature Club, Tourism Club, Literary Club, ADIC, Energy Conservation Cell, Women Cell etc. conducted various programmes in this regard
To publish a handbook for departmental level administration and file management	Published a hand book for the same, is an outcome of regional workshop

* See Annexure - I.

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate any other body IQAC

Provide the details of the action taken

AQAR placed in the IQAC; after active discussions, incorporated valid suggestions. IQAC have approved the final report and gave sanction to forward the AQAR to NAAC.

PART – B

CRITERION – I

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	1	-	-	-
PG	4	-	1	-
UG	8	-	1	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	12	-	2	-
Interdisciplinary				
Innovative				

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	12
Trimester	nil
Annual	nil

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects) See Annexure II

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

1.4 Whether there is any revision/update of regulation or syllabi.

If yes, mention their salient aspects.

No

1.5 Any new Department/Centre introduced during the year.

No

CRITERION – II

TEACHING, LEARNING AND EVALUATION

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	36	27	9	-	-

2.2 No. of permanent faculty with Ph.D. 19

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
-	9		-	-	-	-	-	-	9

2.4 No. of Guest and Visiting faculty and Temporary faculty 9 - -

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	7	8	17
Presented papers	4	4	
Resource Persons			

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

No additional innovative practices this year

2.7 Total No. of actual teaching days during this academic year 187

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

Centralised model examination, Double valuation in internal examinations

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

Nil	Nil	2
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2.10 Average percentage of attendance of students

86%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division					Pass %
		A	B ⁺	B	C ⁺	C	
B. A. Economics	42	-	-	4	4	3	27.00
B. A. History	41	-	-	2			05.00
B. Sc. Botany	27	2	4	6	2	1	55.50
B. Sc. Chemistry	13	-	4	-	-	-	30.80
B. Sc. Mathematics	15	1		2		2	33.00
B. Sc. Physics	13	3	2	1			46.15
B. Com (Tourism)	46	2		10		4	52.77
B. Com (Computer)	62	1	4	6	24	10	72.60
MA Economics	16		3	5	1		56.25
M. Com.	18	2	6	5	1		77.77
M. Sc. Chemistry	15	3	6	2			73.33
M.Sc. Botany	24	6	7	8	3		100.00

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

It has given suggestions and recommendations to renovate and strengthen the tutorial and remedial coaching practices.

IQAC proposed to purchase books relevant to academic needs. It collects feedback responses from students and monitors academic audit periodically.

The cell looks into and evaluates the teaching learning process and endeavours to modernise its supporting system and conducting workshop on quality enhancement in teaching and learning process.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	2
UGC – Faculty Improvement Programme	3
HRD programmes	1
Orientation programmes	5
Faculty exchange programme	

Staff training conducted by the university	1
Staff training conducted by other institutions	1
Summer / Winter schools, Workshops, etc.	1
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	7			
Library Staff	2	1		
Librarian	1			
Technical Staff	8	2		
LGS	2			

CRITERION – III

RESEARCH, CONSULTANCY AND EXTENSION

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

This year IQAC gave instructions to conduct departmental seminars and other programmes. In 2016-17 academic year 1 national seminar, 8 department seminars, 10 other seminars and 1 regional workshop and three residential programmes for students were conducted in the college.

3.2 Details regarding major projects

	Completed	On-going	Sanctioned	Submitted
Number	Nil	Nil	Nil	Nil
Outlay in Rs. Lakhs	Nil	Nil	Nil	Nil

3.3 Details regarding minor projects

	Completed	On-going	Sanctioned	Submitted
Number	See Annexure III		Nil	Nil
Outlay in Rs. Lakhs	See Annexure III		Nil	Nil

3.4 Details on research publications

	International	National	Others
Peer Review Journals	4	5	-
Non-Peer Review Journals	-	2	-
e-Journals	-	-	-
Conference proceedings	1	2	-

3.5 Details on Impact factor of publications:

Range Average 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				
Minor Projects	See Annexure III			
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects (other than compulsory by the University)				
Any other(Specify)				
Total				

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

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
 DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy:

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	Nil	1	2	Nil	18
Sponsoring agencies	Nil	IQAC/UGC	IQAC	Nil	College

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

3.13 No. of collaborations: International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency From Management of University/College

Total

3.16 No. of patents received this year

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

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

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

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level

National level International level

3.22 No. of students participated in NCC events:

Battalion-wise /adventurous camps/University level State level

Army attached camps National level International level

3.23 No. of Awards won in NSS:

University level State level

National level International level

3.24 No. of Awards won in NCC:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>
C- Certificate Holders: 42			
B- Certificate Holders: 5			

3.25 No. of Extension activities organized

	University forum	<input type="text" value="-"/>	College forum	<input type="text" value="-"/>	
NCC	<input type="text" value="5"/>	NSS	<input type="text" value="8"/>	Any other	<input type="text" value="3"/>

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

- Anti-Narcotic Campaign on 28th June 2016
- Seminar on Women empowerment on 5th September 2016
- Haritha Kerala Mission Programme at Kallooppara Grama Panchayat (House-based Survey and Awareness Programme)
- Organic Farming Activities at the premises of Anganvadi- 6th Ward of Kallooppara Grama Panchayat.
- Science Exhibition – A Collective Action by all science Departments to impart multidisciplinary exposure among students and rural people, conducted as part of Science Day Celebrations

CRITERION – IV

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Details of increase in infrastructure facilities:

Description of the Facility	Existing	Newly created	Source of Fund	Total
Campus Area	Land area - 22.5 acre; approximately 10 acre land is dedicated for educational purposes only.			22.5 Acre
Class Rooms	26			
Departments (Rooms for Teachers)	13			
Administrative Section				
Principal's Office	1			
Administrative Office	1			
Cash Section	1			
IQAC Office	1			
Manager's Room	1			
Technology Enabled Learning Spaces				
Computer Lab	2			
Network Co-ordination Room	1			
Seminar Hall with Smart Board	2			
Seminar Hall (Common)	2			
Tutorial Spaces				
Laboratories				
UG Science Labs	4			
Computer Labs	2			
PG Science Labs	2			
Language Lab	1			
Botanical Garden	1			

Infrastructure for Extra Curricular Activities				
NSS Office	1			
NCC Office	1			
Out Door Sports				
Volleyball Court	1			
Handball Court	1			
Multipurpose Ground	1			
Cultural Activities				

Auditorium (500 seats)	1			
Television Set	1			
Open Stage	1			
Student Support Facilities				
Women's Hostel	2			
Guest Residence	1			
Dining Hall	1			
Canteen	1			
Water Cooler	1			
Reprography Centre	1			
Chapel	1			
Vehicle Parking Shed	2			
Banking Facility	1			
College Store	1			
ATM (Under Construction)	1			
Security Room	1			
Generator Facility	3			
Solar Energy Support	3			
Rain Water Harvesting Tanks	4			
Biogas Plant	1			
Vermi-Compost Plants	2			

4.2 Computerization of administration and library

To manage the attendance and students profile, a server based software named "Total Campus Solution" (TCS) Installed in the IQAC office, which is accessed by each department through LAN mode. Office automation is partially completed; admission process, billing, grants etc. were computerised. OPAC facility is installed in the library. College Management is always keen to provide wi-Fi facilities in the Campus

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	23253		92	23579	24567	
Reference Books						
e-Books						
Journals and Periodicals	29					
e-Journals	N-list subscription to teachers					
Digital Database	OPAC facility installed and activated on 27 October 2014					
CD & Video	Free copies only					
Others (specify)						

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments
Existing	56	2	20	1	0	4	10
Added	-	-	-	-	-	-	-
Total	56	2	20	1	0	4	10

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

Nil

4.6 Amount spent on maintenance in lakhs:

i) ICT	-
ii) Campus Infrastructure and facilities	2250
iii) Equipment	50000
iv) Others	48410
Total:	199621

CRITERION – V

STUDENT SUPPORT AND PROGRESSION

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

As per the suggestions of college IQAC, updated Hand books and Calendar are distributed among students; those provide all the information regarding fee structure and refund of caution deposit, rules and regulation of the college and its library, the various committees, clubs and associations, NSS, NCC, the Alumni, PTA, IQAC, Students' Union, internal assessment and the pattern of evaluation, the tutorial system, hostel facility, various endowment funds, the Academic Calendar, etc.

Teachers-in-charge of various programmes and Jr. Superintend are advised to address the new comers/existing students on the opening day of their classes and class-wise campaigns are also conducted whenever a new programme is listed by IQAC or any new information about student support services is communicated from University and Government.

5.2 Efforts made by the institution for tracking the progression

In order to track the progression of students, the IQAC of the college is monitoring the following activities:

- Filing of Student profile in concerned departments
- Conducting Class-wise test papers
- Evaluation of seminars and assignments in connection with curriculum
- Recoding of internal marks and comparing it with their previous marks
- Maintaining healthy teacher-student relationship during course period
- Keeping personal contacts with passed out students to understand their progression.
- Arranging formal or informal get-together/alumni meets

5.3 (a) Total Number of students

	UG	PG	Ph. D.	Total
Regular	738	92	13	843

(b) No. of students outside the state

(c) No. of international students

(d) Gender-wise and category-wise Distribution of students

Category	Men		Women	
	No	%	No	%
Regular	360	43	483	57

Last Year (2015-16)**							This Year (2016-17)**						
GL	SC	ST	OBC	OEC	Ph. C*	Total	GL	SC	ST	OBC	OEC	Ph. C*	Total
305	138	1	209	111	3	764	215	122	0	290	216	3	843

Note: GL-General (Including KPCR/FC Category), SC- Scheduled Caste, ST- Scheduled Tribe, OBC-Other Backward Caste, OEC – Other Eligible Caste, Ph.C* . – Physically Challenged (excluded from Total)
 **data for aided courses only

Demand ratio Following a Centralised Admission Process (CAP) as per University guidelines Dropout % 3

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

- Coordinating and supporting students for various off campus drives under the leadership of Career Guidance Centre.
- 4 Orientation programmes for various career opportunities in banking, marketing, management, financial services etc. are conducted this year.
- Career Guidance Centre took the initiative in the formation of 'Walk with a Scholar Programme'- a group of 30 students of first year to enhance the ethical, spiritual and academic quality of the campus.

No. of students beneficiaries 365

5.5 No. of students qualified in these examinations

NET 3 SET/SLET 2 GATE - CAT -

IAS/IPS etc - State PSC 5 UPSC - Others 6

5.6 Details of student counselling and career guidance

- Coordinating and supporting students for various off campus drives under the leadership of Career Guidance Centre.
- 4 Orientation programmes for various career opportunities in banking, marketing, management, financial services etc. are conducted this year.
- The Career Guidance Centre organized a three day residential camp 'PARINAM 2K17' for a group of selected students at Anugraha Renewal Centre, Vazhoor from 27-01-2017 to 29-01-2017.

The Student Counselling Centre (SCC) has been working in the college since 1990. It helps students to find solutions to life problems, discover personal strengths and grow stronger in other areas. The SCC has been conducting various activities among students. Lectures and seminars on various social issues are given by professional counsellors and counselling sections help students to handle social issues and personal problems. Individual counselling is the core of the activities of SCC. This year 6 students were benefited with the personal counselling.

No. of students benefitted

258

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**
Nil	Nil	Nil	6

* conducted by nearby campuses

**placed during the final year

5.8 Details of gender sensitization programmes

Women Studies and Development Centre Conducted a residential workshop for 100 girl students called JWALA on 7th and 8th April 2017

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

Performance in sports activities

ACHIEVEMENTS IN THE YEAR 2016-17

MG UNIVERSITY INTER-COLLEGIATE HAND BALL CHAMPIONSHIP (MEN) position 2nd

MG UNIVERSITY INTER-COLLEGIATE HAND BALL CHAMPIONSHIP (Women) position 3rd

FOLLOWING PLAYERS SELECTED TO REPRESENT MG UTY (M)

Rejin Raphy 3rd physics
Senju Babu 3rd Economics
Jobin Job 3rd Bcom
Finu Rath 2nd History
Muhammed Safan 2nd Bcom

M G UTY WOMEN TEAM MEMBER

Ann Siby 1st Mcom

Kerala State Senior Men Handball position 3rd

9 players selected to represented Pathanamthitta District Senior Team

Lijo Chanday- 3rd BA Eco Senior state team member and selected to Kerala Police Team

Roshan V Reji Selected to Indian Army Medical Wing

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

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Total Amount
Financial support from institution	25	400/head/month
Financial support from government (Higher Education Section)	1	9205 /year
Indira Gandhi One Girl Child Scholarship	2	7100/month
Higher Education Scholarship	1	100000/year

Institutional Endowments

Sl. No.	Endowments	Amount	Eligibility
1	Rev. Dr. T. C. George Memorial Endowment	1945	Awarded to deserving students selected by the committee
2	Mundapallil Mr. M. O. John Memorial Endowment	1945	Awarded to deserving children of Evangelists
3	Mundapallil Pennamma John Memorial Endowment	1945	Awarded to deserving students selected by the committee
4	Kurudamannil Oommen Abraham Memorial Prize	1820	Proficiency in Bible scripture examination
5	Maret Sri. A. Philipose Memorial Endowment	1750	Awarded to a boy and a girl student in the PG class who have secured the highest mark in Degree course at BAM college.
6	Mr. George Thomas (Illath) Memorial Endowment	1950	Awarded to one student each from B.A. and B.Sc. who have scored not less than 50% in their qualifying examination
7	Chittazhayathu Sri. Varghese Koshy Memorial Endowment	950	Awarded to the top scorer in the final year B.A. History examination
8	Plammottil Eapen Thomas Memorial Fund	950	Awarded to the second top scorer in the final year B.A. History examination
9	Kesavapurath Philipose Memorial Endowment	2375	Awarded to the deserving economically backward student belonging to St. Thomas Evangelical Church of India
10	Smt. Achamma George Memorial Endowment	1970	Awarded to deserving children of evangelists or priests of St. Thomas Evangelical Church
11	Mundapallil M. O. Mathai Endowment	1945	Awarded to deserving student from financially weaker section
12	Anchuthengu Thottathil Rev. P. T. Thomas Endowment	1945	Awarded to deserving student from financially weaker section
13	Mrs. Annie Jacob Endowment	1945	Awarded to deserving student from financially weaker section
14	Mrs. Glory Kurian (Pandem Padavil) Endowment	1945	Instituted for students' education support
15	Sri. M. M. John Endowment	1945	Awarded to a boy and a girl student who shows highest character and conduct from among chapel attending students
16	Mulamoottil Smt. Annamma Thomas Memorial Endowment	950	Awarded to the best user of the college library reading room facility
17	Sri. K. A. George Endowment	2850	Awarded to students who pass with top mark in English of B.A. and B.Sc. examination
18	Chempanal Mrs. And Mr. Abraham Memorial Endowment	2375	Awarded to the top scorer in the first year M.Sc. Botany examination
19	Mrs. Grace John Endowment	1580	Awarded to the best girl student from Science Programmes

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: -
No major grievances were reported during 2016-17

CRITERION – VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 State the Vision and Mission of the institution

- The college aims to impart integral education of the highest standard, sound learning, and build up character and instil the highest moral and spiritual values, uphold social justice and to share with others the fullness of life which God offers in and through Jesus Christ.
- Those who enter the institution could grow in wisdom and virtue and could say to others, “You shall know the truth and truth shall make you free”.
- The college envisions the integral education of the students of a rural population. Through various curricular and extra-curricular programmes, we propose to empower the rural youth, make them value based, self-confident and employable.
- We facilitate sincere and traditional student-teacher relationship to make each student feel the college as an extension of home.
- We aim to build up sound inter-personal relationship and cater to the multidimensional growth of personality – physical, mental and spiritual. The ideal of altruism and other moral and spiritual values are inculcated into the minds of students through tutorial sessions, orientation programmes, counselling, mentoring, eloquent spiritual and moral discourses and through keeping a traditional teacher-student relationship.

6.2 Does the Institution has a management Information System

No

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

6.3.1 Curriculum Development

Regularisation of Bridge Course; No other strategies are possible since the college follows the University Curriculum

6.3.2 Teaching and Learning

Remedial Coaching and tutorials continue

6.3.3 Examination and Evaluation

- Internal assessment as per University norms,
- Model examinations conducted by internal examination

6.3.4 Research and Development

Promotion of Minor Research Projects, National Seminars

6.3.5 Library, ICT and physical infrastructure / instrumentation

Maximum possible modernisation within the limit of funding

6.3.6 Human Resource Management

- Entrusting responsibilities as per the capabilities of employees for accomplishing the various college activities.

6.3.7 Faculty and Staff recruitment

Recruitment as per University norms and Govt. regulations

6.3.8 Industry Interaction / Collaboration

- A minor research project is on-going in collaboration with Kerala Forest Research Institute, Peechi and Centre for Research, Sacred Heart College, Thevara.
- Collaborative learning is also facilitated by conducting workshops at MACFAST, Tiruvalla for students of the Departments of Mathematics and Physics.
- Students of Department of Chemistry are doing their project with the support of RRI, FACT, Paragon, Central Wood Testing Laboratory-Kottayam, Akay Flavours and Aromatics Pvt. Ltd. Pathanamthitta

6.3.9 Admission of Students

As per University guidelines and Govt. rules

6.4 Welfare schemes for

Teaching	Nil
Non teaching	Nil
Students	Endowments and Scholarships

6.5 Total corpus fund generated

Nil

6.6 Whether annual financial audit has been done

Yes

No

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

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

6.8 Does the University/ Autonomous College declare 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?

NA

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

NA

6.11 Activities and support from the Alumni Association

- The annual Alumni meet has been made a conglomeration of stakeholders of different categories like former students with their families, present and former members of faculty and management representatives.
- Alumni provide a monthly scholarship of Rs. 400 to 25 poor students each from the month of June to March every year.
- Former HoD of the department of Physical Education, Prof. P. F. Joseph, has deposited an amount of Rs. 5, 00,000 as FD in the college co-operative society. Interest of this amount was fully utilised for students for note books, text books, bus fare and lunch during 2016-17.

6.12 Activities and support from the Parent – Teacher Association

Suggestions to improve the academic climate of the college are collected through Parent – Teacher Meetings. An amount of Rs. 264000 has been collected as PTA Fund and utilised for departmental activities, Disbursement of salary to staff on daily labour, expenses of bus service and other miscellaneous expenses with the directions of PTA executive council.

6.13 Development programmes for support staff

The members of faculty have published works. The institution frequently facilitates the conduct of seminars and workshops and makes members of faculty aware of the availability of grants from UGC and other funding agencies for under taking research projects. 14 faculties are participated and presented papers in national seminars and 3 of our faculties participated in international seminars. 3 of our faculty are availed FDP in this academic year.

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

- The topography of the campus causes water run off; therefore, to conserve water and enhancing the water holding capacity of soil we used contour trenches as well as small water pits. To face the scarcity of water from the month of December to the end of the academic year. To solve this problem we have constructed 4 rain water harvesting storage units of a total capacity of 375000 litres to harvest roof top water.
- An addition of 10 Kw solar panel is installed, that can be contributed to the power grid.
- The college together with the Social Forestry Department introduced the project 'Nakshatra Vanam' to plant saplings not only in the campus but also in the locality.
- Planting fruit-trees in the campus by the retiring staff of the college.
- Bio-degradable waste and leaf litter are collected in two vermi-compost units to produce vermin compost, and this organic manure is used for gardening and other agricultural purposes.
- After their life time, computers and their accessories are sold as scrap to local vendors.

CRITERION – VII

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.

- Interactive learning is facilitated by installing Smart Boards in PG classrooms.
- Science Exhibition – A Collective Action by all science Departments to impart multidisciplinary exposure among students and rural people, conducted as part of Science Day Celebrations
- Residential Camp and Training programmes under “New Initiatives of Higher Education Department of Kerala” –Walk with Scholar, Scholar Support Programme and Additional Skill Acquisition Programmes.
- Parinam – a Residential Programme to help the student to realise their career goals and to impart student charterThe topography of the campus causes water run off; therefore, to conserve water and enhancing the water holding capacity of soil we used contour trenches as well as small water pits.
- The Quiz and Debate Club of the college ensures the participation of the best performers in inter-collegiate competitions.
- A few skill development programmes like Student Participative Farming, Book Binding, Dipped Articles Making, Chalk making, etc. have been introduced to make students aware of the dignity of labour through work experience.

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

All activities were conducted as per the academic calendar. Beyond these pre-planned activities, the department associations, clubs and cells were organised various gender sensitisation programmes, awareness programmes and extension activities during 2016-17.

- Best practices mentioned above still improvising
- Network facilities in the Campus enhanced
- An amount of 50 Lakhs has been sanctioned by FIST for science departments. The procedures for the utilization of fund is going on.

Plan	ATR
Opening Day Orientation programme of Second Year and Third Year Degree Students	Conducted on behalf of Various Departments
To frame an action plan for UGC fund utilisation	IQAC initiated and gave the guidance for the same
Organise a workshop on Research Methodology under the leadership of newly sanctioned Research Centre.	Commerce Research Centre Conducted a National Level Workshop on Research Methodology from 24 th January 2017
To conduct a residential camp for two days by Women Studies and Development Centre for Workshop on Gender Sensitivity and Women Safety under the title JWALA	Women Studies and Development Centre Conducted a residential workshop for 100 girl students on 7 th and 8 th April 2017
A Two day Workshop for Assistant Professors having less than 5 years teaching experience proposed by College IQAC	IQAC of our college organised a Two day workshop (Regional) "Recent Trends and Teaching Strategies in Higher Education" for all faculty members having less than five years of experience. 60 faculties participated from various colleges all over Kerala
To give supports for Field Trip for Science students to visit institutions with potential excellence	PG Chemistry and other science students availed this benefit.
One day workshop on Use of Current Technologies in Learning Process	Physics Department conducted a workshop on the same
Students' Union Election to Create awareness on Democratic Parliamentary election process	Election was held on 8 th September 2016
To fully ICT equipped IQAC office	Purchased new software for attendance Management and new printers
To take a rigorous plan to elevate Chemistry department in to Research Centre.	Process is going on
International and National Day Observations to create awareness among students on various subjects	NSS, NCC, Nature Club, Tourism Club, Literary Club, ADIC, Energy Conservation Cell, Women Cell etc. conducted various programmes in this regard
To publish a handbook for departmental level administration and file management	Published a hand book for the same, is an outcome of regional workshop

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

- Holistic Approach
- The Endowments

**See annexure –IV*

7.4 Contribution to environmental awareness / protection

- The topography of the campus causes water run off; therefore, to conserve water and enhancing the water holding capacity of soil we used contour trenches as well as small water pits. This is helping us face the scarcity of water from the month of December to the end of the academic year; as well as to solve this problem we have constructed 4 rain water harvesting storage units of a total capacity of 375000 litres to harvest roof top water.
- The college together with the Social Forestry Department introduced the project 'Nakshatra Vanam' to plant saplings not only in the campus but also in the locality.
- Planting fruit-trees in the campus by the retiring staff of the college.
- Bio-degradable waste and leaf litter are collected in two vermi-compost units to produce vermin compost, and this organic manure is used for gardening and other agricultural purposes.

7.5 Whether environmental audit was conducted? Yes No

**See Annexure –V for internal environmental audit report*

7.6 Any other relevant information the institution wishes to add.

We provide basic level English grammar classes to the needy as we have theory courses in the 5th and 6th semester. Individual, group assignments and seminars are given to each student. For the final year students, we conduct daily tests for some particular courses. We also conduct periodical class tests, two internal examinations including the centralized one, each semester. We conduct open houses after internal examinations and contact parents of poor performers in the class tests, through telephone. Poor performers are directed to undergo remedial coaching.

- Science Exhibition – A Collective Action by all science Departments to impart multidisciplinary exposure among students and rural people, conducted as part of Science Day Celebrations

- Residential Camp and Training programmes under “New Initiatives of Higher Education Department of Kerala” –Walk with Scholar, Scholar Support Programme and Additional Skill Acquisition Programmes.
- Parinam – a Residential Programme to help the student to realise their career goals and to impart student charter.

SWOC ANALYSIS

Strengths

1. The college is situated in a calm and quiet eco-friendly atmosphere.
2. Thrust to the holistic development of students and effective teaching-learning.
3. The teacher-student relationship enabling the teacher to act as a mentor and guide in solving the academic and personal problems of students.
4. The college provides 19 Endowments to students instituted by various stakeholders of the college.
5. The college Alumni extending its earnest service in providing financial assistance to poor students
6. More than 46% of the faculty are now Ph.D. holders.
7. Good energy conservation practices
8. Remarkable position in sports
9. Modernised agricultural models (Poli-house) to make awareness among students.

Weaknesses

1. Shortage of reference books in a few departments.
2. The auditorium in the campus is insufficient to meet the requirements of the college.
3. The topography of the campus permits only a limited space for additional building facilities.

Opportunities

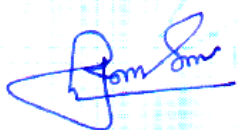
1. The PG departments of the college have the opportunity of being upgraded into research centres in near future.
2. Since agriculture has turned to be one of the thrust areas of extracurricular activities.
3. Strong support from Alumni, former faculty members and other well-wishers.
4. The accreditation by NAAC has enabled the college to avail development grants and UGC sponsored programmes.

Challenges


1. Economically, socially and educationally backward rural students
2. Emerging professional courses reducing the flow of students to traditional courses.
3. The college is very far away from the town, and public transportation facility is limited.
4. Under CBCSS, teachers and students are always very busy with so many academic activities that it is difficult to find sufficient span of time for extracurricular activities.

8. Plans of institution for next year

- Opening Day Orientation programme of Second Year and Third Year Degree Students
- To settle the Accounts of UGC XII plan fund
- To redress the grievances filed by each department on various infrastructural needs
- Enhance the Results of UG Courses
- To find out monetary sources to proceed WWS, SSP programmes
- To increase the number of extension activities
- To create an action plan for FIST Fund and implement the same
- Students' Union Election to Create awareness on Democratic Parliamentary election process
- To take a rigorous plan to elevate Chemistry department in to Research Centre.
- International and National Day Observations to create awareness among students on various subjects
- To publish a handbook for departmental level administration and file management



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ACADEMIC CALENDAR 2016 – 17		
BISHOP ABRAHAM MEMORIAL COLLEGE, THURUTHICAD		
1	1 st June	Re-opening
2	6 th June	Commencement of Regular classes
3	18 th July	Commencement of I semester Classes
4	19 th -25 th July	I st internal Examination for 3 rd and 5 th Semester Students
5	26 th July to 10 th August	Inauguration of activities of various associations
6	August	Department wise PTA Meetings (3 rd and 5 th sem students)
7	20 th to 23 rd September	Second Internal for 3 rd and 5 th Semester Students
8	26 th to 28 th September	First Internal for First Semester Students
9	30 th September	Publication of Internal Marks of 3 rd and 5 th Semester Students
10	October	Department wise PTA Meetings (I sem students)
11	4 th October	V Semester University Exam begins
12	5 th October	III Semester University Exam begins
13	24 th to 28 th October	First Semester Model Examination
	28 th & 29 th October	Career Guidance Centre Residential Camp- Parinam 2K16
14	10 th November	Publication of Internal Marks of 1 st Semester Students
15	17 th November	I semester University Exam begins
16	2 nd January	College Re-opening
17	6 th January	Girls Students' Representatives Meeting by Women's Cell
18	15 th - 19 th January	National Youth Day Celebrations and Youth Week by NSS
19	18 th January	Anti- Drug Day Observation by NSS
20	24 th January	Arts Festival
21	26 th January	Republic Day Celebrations under the leadership of NCC
22	27 th January	Parinam 2K17
23	6 th February	Palliative Care Day Observation by NSS
24	9 th February	Indian Census Day / seminar by Economics Department
25	10 th February	Bank /PSC / KAS Orientation and coaching classes by CGC
26	13 th February	Darwin Day / seminar by Botany Department
27	18 th February	Free Software Day / Seminar By Physics Department
28	21 st February	Mother Tounge Day / Economics and Malayalam Departments
29	28 th February	Science Day Celebrations
30	7 th March	Seminar and Inter departmental quiz Competitions by

		Economic Association
31	8 th March	College Day Celebrations
	18 th March	Teachers Enrichment Programme (TEW)
32	22 nd March	World Water Day
	24 th & 25 th March	Research Methodology and Data Analysis Workshop
33	30 th March	Women's Day Celebrations
34	31 st March	Teachers Meeting
	7 th & 8 th April	Women Study Centre Workshop (JWALA)
Summer Vacation		

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BISHOP ABRAHAM MEMORIAL COLLEGE, THURUTHICADU
STUDENT'S FEEDBACK ON TEACHERS 2016-17

IQAC of Bishop Abraham memorial College, Thuruthicadu conducted a 'Student feedback Survey on Teachers' for the year 2016-17. All students recorded their views on duly printed format consist a set of 9 parameters. These parameters are meant to evaluate the performance of each teacher. The procedure of the survey can be summarized as follows.

The Parameters:

1. Classroom organisation

Aims of the class were clearly specified; class time was effectively used; completed the syllabus properly

2. Explanation / Discussion

Important points were reinforced; examples, analogies or illustrations were discussed

3. Interest and enthusiasm

Class presentations created interest in the subject; teaching was energetic

4. Interaction with Students

Students' comments and queries were welcomed positively; provided opportunities to express students' ideas

5. Feedback to Students

Provided timely directions on students' work;

6. Availability for consultation

Teacher was available to students inside and outside office hours

7. Learning Materials

Overheads, slides or hand-outs / notes were clear, legible and useful to understand content

8. Communication

Words and phrases were audible and easily understood

9. Reference or supporting materials

Directed students to reference books, supporting study materials and websites

Rating Scales:


The survey provided a rating scale (Excellent, Very good, Good, Average and Below Average) with grade points 5 for Excellent, 4 for Very good, 3 for Good, 2 for Average and 1 for Below Average to students to evaluate teachers.

Procedure of Analysis:

For an impartial treatment on feedback analysis, census method was used to collect the data. Basic statistical tools like simple averages and percentages are used to analyse each criterion and are presented in charts. Percentages of all parameters are consolidated to a single value that is the average. If average percentages of a faculty is $\geq 90\%$ he/she will get A⁺ grade, if it is $\geq 80\%$ =A, $\geq 70\%$ =B⁺, $\geq 60\%$ =B, $\geq 50\%$ =C and $\geq 40\%$ =D. Each faculty is evaluated in the above said method and then extracted a department-wise summary. The detailed inferences (confidential) are available in IQAC office.



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BISHOP ABRAHAM MEMORIAL COLLEGE, THURUTHICAD						
Details of On-going and Completed Minor Research Projects and Grants Received During 2011-2016						
Name of Investigator	Duration	Title of the Project	Year of Sanction	Total Grant		Total Grant Received
				Sanctioned	Received	
Dr. Mathews M. George, Dept. of Mathematics	2012-2014	A Study on Complexity Theory in the Fuzzy Content	2011-12	85000	85000	Completed
Neethu George Dept. of Commerce	2012-2014	A Study on Quality of work Life and Organisational Commitment of Employees of Public Sector Banks with Special Reference to Pathanamthitta District	2012-13	70000	70000	Completed
Dr. Krishnan Nampoothiri Dept. of Commerce	2012-2014	A Study on the Management Practices Followed in Tea Tourism in Kerala	2012-13	70000	70000	Completed
Dr. Ebby Joseph Idicula Dept. of Commerce	2012-2014	A Study on the Problems and Prospects of Micro, Small and Medium Enterprises in Kerala	2012-13	70000	70000	Completed
Dr. Ginu Joseph Dept. of Botany	2014-2016	Phytochemical profile and chemotaxonomy of recently rediscovered Ophorrhiza species from the Western Ghats of peninsular India	2013-14	150000	90000	Completed
Jessyamma Kurien Dept. of Physics	2014-2016	Synthesis and Charectarization of some mixed metal oxide nanoparticles	2013-14	1,60,000	153136	Completed

Dr. Biju T. George Dept. of Commerce	2014- 2016	Role of NGOs in financial inclusion in Kerala	2013-14	50,000	32500	Completed
Aneeshkumar G. S Dept. of Commerce	2015- 17	A Customer-centric study on Internet Banking in Kerala	2014-15	1,50,000	90000	Completed
Sreeresh D. Dept. of Commerce	2015- 17	Problems and Prospects of Producers of value- added Products of Coconut: A Study with Special Reference to Coconut Development Board Cochin	2014-15	1,40,000	82500	Completed
Dr. Rejomon George Dept. of Chemistry	2015- 17	Assessment of Trophic Transfer of Trace metals along aquatic food webs of the Cochin Backwaters	2014-15	280000	165000	Completed
Andrews T.	2015- 17	Problems and Prospects of Tourism: A Study with Special Reference to Kuttanadu	2014-15	140000	82500	Completed
Joseph Kuruvila	2015- 17		2014-15	205000	122500 Refunded to UGC and withdraw the Project	

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BISHOP ABRAHAM MEMORIAL COLLEGE, THURUTHICADU

BEST PRACTICE – I

Title of the Practice

Holistic Approach

Goal

- To impart value based education
- To inculcate love for our culture and traditions
- To provide an open platform for nurturing the talents of student community
- To foster social awareness
- To counsel students
- To contribute to national development
- To become aware of the modern techniques in agriculture

The Context

The vision of our college is to impart integral education of the highest standard, sound learning, build up character and instill the highest moral and spiritual values, uphold social justice and to share with others the fullness of life which God offers through Jesus Christ. We are in a pursuit to fulfil this vision by introducing a holistic change.

The Practice

Under the guidance of teaching staff, the chapel service is conducted every day. Occasionally, trained counsellors from spiritual organizations are invited to interact with students. "Plavattom" (gathering around a Jack tree) is an open-air platform for cultural activities and street shows by students, and various public and private organisations working among students. Students and teachers gather beneath the Jack tree near the entrance of the campus. Students exhibit their talents, and teachers arrange talks and other programmes by experts in the field of education, anti-addiction and by environmentalists for about one hour. A

400m² Poly-house farming project, the first of its kind in an educational institution in the state, was launched in the college in 2012 to create awareness among the public and students about precision farming.

Evidence of Success

No incident of violence among students has been reported, and there has been no incident of suspending classes due to violence for the past four years. No ragging incident has been reported. Students obey the rules and regulation of the college and they do not make any damage in the campus. We have every reason to believe that this mode of behaviour of students is achieved through the cited practice.

Problems Encountered and Resources Required

Poor accessibility and lack of conveyance and less working days due to hectic semester system schedule. As the students are coming from poor academic status, teachers are forced to take special classes in the morning and on Saturdays for completing portions. During monsoon season, it is not possible to conduct “Plavattom” in open air.

BEST PRACTICE – II

Title of the Practice

The Endowments

Goal

- To motivate students
- To provide financial assistance to the students who belong to economically unprivileged class

The Context

The 70% of our student community is coming from economically backward families. They need financial assistance even for food and bus fare. Under these circumstances the management, alumni, well-wishers and teachers are seriously concerned about the upliftment of such students. We also honour the best outgoing as well as the best performing ongoing students every year.

The Practice

An alumni member, whose name is kept confidential at his request, working abroad provides a monthly scholarship of Rs. 400 to 25 poor students each from the month of June to March every year. Heads of departments are directed to select the deserving students from their

departments and report to the Principal. The names of the selected students are kept confidential. Former HoD of the department of Physical Education, Prof. P. F. Joseph, has deposited an amount of Rs. 5, 00,000 as FD in the college co-operative society. An amount of Rs. 60,000 (including interest) is distributed among students for note books, text books, bus fare and lunch using this money. Merit scholarships to appreciate best outgoing as well as best performing ongoing students every year are installed by the management, former teachers and well-wishers from the locality.

Evidence of Success


The feedback from students and parents is the main evidence of success. Since the teachers and the HoDs keep the names of students receiving scholarship secret, the students feel confident among their friends. The merit scholarships motivate the students to be more serious in their studies. The scholarship for the best user of library promotes reading habit among students.

Problems Encountered and Resources Required

A major problem encountered in implementing the practice is the socio-economic backwardness of most students who are from poor families struggling to make both ends meet. Poor students are great in number, and their number is increasing every year. Therefore, there is the difficulty of selecting the deserving students.



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BISHOP ABRAHAM MEMORIAL COLLEGE, THURUTHICADU

GREEN AUDIT FOR THE YEAR 2016-17

The eco-friendly campus of B.A.M. College is located on a lovely lush green hill-side near the banks of the river Manimala. It is serene, rural, unpolluted and a habitat of many endemic species of birds and butterflies. The stakeholders are responsible to maintain such a pristine nature of the campus. Thus, the highlights of eco-friendly initiatives can be sum up as follows:

1. **Rubber Plantations:** The campus possesses 10 acres of rubber plantation, which play an important role in reducing soil erosion, rain water holding. Also it purifies the atmosphere by the oxygen release during photosynthesis.
2. **Coconut Trees and other plants:** More than 100 coconut trees are there in the campus as inter crops. This year we have planted banana plants in one acre in the campus. The list of other trees in the campus is also attached. This academic year also we practised the custom of planting fruit-trees in the campus by the retiring staffs of B.A.M. College and planting trees on world environment day, June 5th. We are in a pursuit of campus beautification by planting garden plants.
3. **Rain Water harvesting Practices:** The four rain water harvesting storage units donates 375000 litres of water to the college by roof top water harvesting. The topography of the campus causes water run off; therefore, to conserve water and enhancing the water holding capacity of soil we used contour trenches as well as small water pits.
4. **Solar Energy:** Administrative block of the College fully supported by a 4kw solar energy back up. Two solar panel units of total capacity 4kw are installed and thus donate 20% to the annual consumption electrical energy. An addition of 10 Kw solar panel installation is progressing, that can be contributed to the power grid.
5. **Biogas Plant:** The 400m³ biogas plant in the ladies hostel not only reduces pollution but also donates fuel for 2 to 3 hours to the kitchen.

6. **Vermi-compost:** Bio-degradable waste and leaf litter are separated and collected in two vermi-compost units to produce vermi-compost and this organic manure is used in the agriculture garden in campus. An **incinerator** is erected to reduce the release of carbon monoxide during the combustion of non-biodegradable waste.
7. **Awareness Programmes:** NSS unit conducted a survey on Household waste management in the Koipuram Gramapanchayat. To create cleanliness awareness among students, NCC unit cleaned the college campus on environment day 2015 and declared as 'eco-friendly campus' by Principal.
8. **Eco-friendly initiative:** Post Graduate Department of Economics conducted a survey on Household Waste Management in Thuruthicad Locality and initiated a new programme named 'Eco-Week' to spread the message of environmental sustainability. Under this title, the department collected 400 kg of plastic wastes from the locality and conveyed a message of eradication of plastic wastes.
9. **Nakshatra Vanam:** The concept of Nakshatra trees is based on the belief that there is a correlation between each birth star as well as constellation of Indian astrology and the relationship with a symbolic tree or plant. This correlation between the birth star and the tree defines the relationship between the human and the green trees in the environment. In this context, the department of Botany established a Nakshatra Vanam in the College campus to make sure that each student of BAM community is environmentalist. Now the college have 27 variety of newly added plants as follows:

Sl. No.	Nakshatra	English	Botanical Name
1	Ashwini	Poison nut	STRYCHNOS NUXVOMICA
2	Bharani	Emblic myroblan	PHYLLANTHUS EMBLICA
3	Kritika	Fig tree	FICUS RACEMOSA
4	Rohini	Java Plum	SYZYGIUM CUMINI
5	Mrigashira	Acacia	ACACIA SUNDRA
6	Ardra	Eaglewood(Black)	PTEROCARPUS SANTALINUS
7	Punarvasu	Bamboo cane	BAMBUSA ARUNDINACEA

8	Pushya	Pipal	FICUS RELIGIOSA
9	Aslesha	Champa flower or Plumeria	CALOPHYLLUM INOPHYLLUM
10	Magha	Banyan tree	FICUS BENGHALENSIS
11	Poorvaphalguni	Flame of the Forest	BUTEA MONOSPERMA
12	Uttaraphalguni	Oleander	NERIUM OLEANDER
13	Hasta	Spanish Jasmine	JASMINUM GRANDIFLORAM
14	Chitra	Bengal Quince	AEGLE MARMELOS
15	Swati	Arjun Tree	TERMINALIA ARJUNA
16	Vishakha	Wood Apple	FERONIA ELEPHANTUM
17	Anuradha	Maulsari	MIMUSOPS ELENGI
18	Jyehstha	Silk cotton tree	STREBLUS ASPER
19	Moola	Shorea robusta	MANGIFERA INDICA
20	Poorvashadha	Rattan(cane)	SALIX TETRASPEAMA
21	Uttarashadha	Jackfruit Tree	ARTOCARPUS INCISA
22	Shravana	Gigantic Swallow wart	CALOTROPIS GIGANTEA
23	Dhanshita	Spung tree	PROSOPIS SPICIGERA
24	Satabisha	Kadamb	ANTHOCEPHALUS CHINENSIS
25	Poorvabhadrapad a	Mango	TERMINALIA TOMENTOSA
26	Uttarabhadrapad a	Indian Lilak	AZADIRACHTA INDICA
27	Revati	Ellopa Tree	MADHUCA LONGIFOLIA

10. Special care has been taken to preserve the flora and fauna of the campus and its surroundings in its pristine form. The campus comprises following species of plants.

SL. NO.	SCIENTIFIC NAME	COMMON NAME	NUMBER OF PLANTS
1	<i>Artocarpus heterophyllus</i>	PLAVU	11
2	<i>Musa x paradisiaca</i>	Vazha	291
3	<i>Terminalia catappa</i>	BADAM	2
4	<i>Swietenia macrophylla</i>	MAHOGANI	46
5	<i>Cocos nucifera</i>	THENGU	68
6	<i>Artocarpus hirsutus</i>	ANJILI	25
7	<i>Macaranga peltata</i>	VATTA	13
8	<i>Mangifera indica</i>	MAVU	10
9	<i>Carica papaya</i>	PAPPAYA	9
10	<i>Tectona grandis</i>	THEKKU	34
11	<i>Hevea braziliensis</i>	RUBBER	2
12	<i>Moringa pterygosperma</i>	MURINJA	9
13	<i>Racosperma mangium</i>	MANJIUM	18
14	<i>Albizia chinensis</i>	VAAGA	19
15	<i>Cinnamomum malabatum</i>	VAYANA	8
16	<i>Rauvolfia serpentine</i>	SARPAGANDHI	6
17	<i>Magnolia champaca</i>	CHEMBAKAM	1
18	<i>Psidium guajava</i>	PERA	1
19	<i>Ficus auriculata</i>	ATTHI	2
20	<i>Phyllanthus emblica</i>	NELLI	6
21	<i>Ailanthus triphysa</i>	PONGALYAM	3
22	<i>Terminalia bellirica</i>	THANNI	1
23	<i>Syzygium cumini</i>	NJAVAL	3
24	<i>Syzygium aqueum</i>	CHAMBA	1

25	Acacia catechu	ACACIA	7
26	Rubia cordifolia	MANJADI	3
27	Anacardium occidentale	KASUMAVU	1
28	Casuarina equisetifolia	CHOOOLA	4
29	Ixora coccinea	THETTI	1
30	Hibiscus rosa-sinensis	CHEMBARATHI	1
31	Artocarpus altilis	PANA	2
32	Cassia fistula	KONNA	2
33	Manihot esculenta	KAPPA	4
34	Alocasia macrorrhiza	CHEMBU	41
35	Amorphophallus paeoniifolius	CHENA	36
36	Pouteria campechiana	SAPOTA	1
37	Pimenta dioica	SARVASUGANDHI	1

Location: B. A. M. College Campus

Date: 15.7.2016

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