

ANNUAL QUALITY ASSURANCE REPORT

2016 – 17



Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALURU

By

INTERNAL QUALITY ASSURANCE CELL

(IQAC)



**Mar Athanasios College For Advanced Studies Tiruvalla
(MACFAST)**

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MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA

(MACFAST)

The Annual Quality Assurance Report (AQAR) of the IQAC

(2016-17)

PART A

I. Details of the Institution:

1.1	Name of the Institution:	MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA (MACFAST)				
1.2	Address Line 1:	MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA (MACFAST)				
	Address Line 2:	THOLASSERRY				
	City/Town	TIRUVALLA				
	State	KERALA				
	Pin Code	689101				
	Institution e-mail address	www.macfast.org				
	Contact Nos.	0469-2730300				
	Name of the Head of the Institution:	Rev. Fr. PRADEEP VAZHATHARAMALAYIL				
	Tel. No. with STD Code:	0469-2730300				
	Mobile:	9447561258				
	Name of the IQAC Co-ordinator:	DR. K. R. SUKUMARAN NAIR				
	Mobile:	9446100457				
	IQAC e-mail address:	iqacmacfast@macfast.org				
1.3	NAAC Track ID	KLCOGN 20699				
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) 16/A&A /17.1				
1.5	Website Address:	www.macfast.org				
	Web link to the IQAC	http://macfast.org/technitrous07/cpanel/browser/AQAR2016-17.pdf				
1.6	Accreditation Details					
	Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
	1	1 st Cycle	A	3.08	2016	July 10, 2021
	2	2 nd Cycle				
	3	3 rd Cycle				
	4	4 th Cycle				

1.7	Date of Establishment of IQAC:	04/08/2014					
1.8	AQAR for the year (for example 2010-11)	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	2016 - 17			06/07/2017	
	ii	AQAR				DD/MM/YY	
	iii	AQAR				DD/MM/YY	
	iv	AQAR				DD/MM/YY	
1.10	Institutional Status						
	University	State	<input checked="" type="checkbox"/>	Central	<input type="checkbox"/>	Deemed	<input type="checkbox"/>
	Affiliated College	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>		
	Constituent College	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>		
	Autonomous college of UGC		Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
	Regulatory Agency approved Institution			Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Type of Institution	Co-education		<input checked="" type="checkbox"/>	Men	<input type="checkbox"/>	Women
		Urban	<input type="checkbox"/>	Rural	<input checked="" type="checkbox"/>	Tribal	<input type="checkbox"/>
	Financial Status	Grant-in-aid		UGC 2(f)	<input type="checkbox"/>	UGC 12B	<input type="checkbox"/>
		Grant-in-aid + Self Financing			Totally Self-financing		<input checked="" type="checkbox"/>
1.11	Type of Faculty/Programme:						
	Arts	<input type="checkbox"/>	Science	<input checked="" type="checkbox"/>	Commerce	<input type="checkbox"/>	Law
	TEI (Edu)	<input checked="" type="checkbox"/>	Engineering	<input type="checkbox"/>	Health Science	<input type="checkbox"/>	Management
	Others (Specify)						
1.12	Name of the Affiliating University (for the Colleges)			Mahatma Gandhi University, Kottayam			
1.13	Special status conferred by Central/ State Government			NA			
	UGC/CSIR/DST/DBT/ICMR:						
	Autonomy by State/Central Govt. / University			NA			
	University with Potential for Excellence			NA	UGC-CPE	NA	
	DST Star Scheme			NA	UGC-CE	NA	
	UGC-Special Assistance Programme			NA	DST-FIST	NA	
	UGC-COP Programmes			NA	Any other (Specify)	NA	
2. IQAC Composition and Activities							
2.1	No. of Teachers					9	
2.2	No. of Administrative/Technical staff					5	
2.3	No. of students					3	
2.4	No. of Management representatives					2	
2.5	No. of Alumni					1	
2.6	No. of any other stakeholder and community representatives					2	
2.7	No. of Employers/ Industrialists					2	
2.8	No. of other External Experts					-	

2.9	Total No. of members	24
2.10	No. of IQAC meetings held	4
2.11	No. of meetings with various stakeholders:	
	Faculty	4
	Non-Teaching Staff	2
	Students	2
	Alumni	2
	Others	2
2.12	Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	If yes, mention amount	
2.13	Seminars and Conferences (only quality related)	
	(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC	
	Total Nos.	-
	International	-
	National	-
	State	-
	Institutional level	-
	(ii) Themes	The seminars, conferences and workshops organized by the concerned departments of the college are proposed by the IQAC. Themes are finalized by the IQAC in consultation with the departments
2.14	Significant Activities and contributions made by IQAC	
	<ol style="list-style-type: none"> Updating the quality policies of the college Identifying the quality initiatives to be undertaken by the college for the current year. Formulating strategies for the implementation of quality enhancement programmes. Providing guidelines for organizing seminars, conferences, workshops etc. 	
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
	<ul style="list-style-type: none"> To identify the slow learners, average learners and fast learners among the students and give them appropriate academic programmes 	<ul style="list-style-type: none"> Remarkable change in the pass percentage of slow learners and average learners. The fast learners have acquired the competency to respond with confidence in their career progressions
	<ul style="list-style-type: none"> To initiate the process of hybridization of such crops like orchids, anthuriums, banana vanilla etc. which have horticultural and commercial importance. 	<ul style="list-style-type: none"> Developed an orchidarium and a vegetable garden, upgraded herbal garden and tissue culture laboratory, organised training programmes for food development and initiated collaborations with the Tiruvalla Agri-Horticultural Society for agri-horticultural enterprise development
	<ul style="list-style-type: none"> To determine and select the best practices to be followed in the reporting year. 	<ul style="list-style-type: none"> Implemented the promotion of Experiential Learning and “Thought of the Day” as the best practices of the current year of the college

	<ul style="list-style-type: none"> To continue the MACFAST Industry Interface (MII) Programme 	<ul style="list-style-type: none"> Conducted the MII program as per schedule 			
	* Attach the Academic Calendar of the year as Annexure.				
2.15	Whether the AQAR was placed in statutory body?	Yes	✓	No	
	Management	✓	Syndicate		Any other body
	Provide details of action taken:				
	1. Provided budget provision for the proposed programmes. 2. Initiated discussions for signing MOUs for undertaking projects				

PART - B

Criterion - I

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	9	Nil	9	Nil
UG	-	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	10	-	9	-
Interdisciplinary	6	-	-	-

Innovative

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

The college has limited flexibility as the curriculum is designed by the university.

- **Choice Based Credit System**

Credit and Semester System is adopted by the college for the M.Sc. programmes as per the guidelines of the University. The University has not introduced CBCSS for the MBA and MCA programmes offered in the college.

- **Core /Elective options / Open options**

The Core /Elective options / Open options are framed by the affiliated university. All the electives and optional subjects offered by the university are opted by the college.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	9
Trimester	NIL
Annual	NIL

1.3 Feedback from stakeholders* (on all aspects)

Alumni	✓	Parents	✓
Employers	✓	Students	✓
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.

Yes. The syllabi of MBA degree programme has been updated and is applicable for 2017 admissions onwards.

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

No

* Academic calendar is given in the Annexure

Criterion - II**2 Teaching, Learning and Evaluation****2.1 Total No. of permanent faculty**

Total	Asst. Professors	Associate Professors	Professors	Others
53	39	11	3	-

2.2 No. of permanent faculty with Ph.D **10****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
4	-	-	-	-	-	-	-	4	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

Guest		Visiting		Temporary	
5		-		-	

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	15	17	16
Presented papers	8	5	-
Resource Persons	-	2	-

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

- Preparation of academic calendar at the beginning of every semester
- Preparation of the college calendar by planning and integrating the activities of all the departments
- ICT enabled teaching; peer assisted learning, including smart board, power point audio visual aids etc.
- Online study archive
- Augmentation programs are designed by assessing inputs from the alumni and industry & other stakeholders
- Industrial visits and study tours
- Need – based remedial coaching
- Work shop on Research methodology
- Invited talks, special lectures, and panel discussion on vital issues
- Releasing of student magazine
- Use of internet, e-books, E-journals in teaching and learning. Seminar on contemporary issues on weekly basis where students actively participate in presentation of topics related to economic issues, latest developments in management and general issues.
- To ensure holistic development of students, the college has initiated one hour per week as quality hour for welcoming new ideas from both faculty and students.

- Quality Enhancement program is conducted thrice in a week to enhance the quality of top performers. This is an initiative by the faculty of the college in order to create a oneness between teachers and the students through various activities. It is done after the class time and this initiative is meant for developing ways to sharpen their critical thinking and assisting them in keeping updated with the latest events in the field of their studies. Case studies, Research article reviews, presentations, debates, book review etc. were conducted as a part of this program.

2.7 Total No. of actual teaching days during this academic year: 218

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

Online multiple-choice questions, open book examinations were conducted during the internal tests

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

Two faculty members from Department of Management Studies have involved in the syllabus revision of MBA Degree Programme and two faculty members from the School of Biosciences have involved in the syllabus revision of B.Sc. Bio Informatics, MSc. Food Technology and Quality Assurance, M.Sc. Clinical Nutrition & Dietetics of the Mahatma Gandhi University during the year 2016-17

2.10 Average percentage of attendance of students: 87%

2.11 Course/Programme wise distribution of pass percentage

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
MSc Biotechnology	6	-	60	-	-	60
MSc Bioinformatics	7	-	71	-	-	71
MSc. Food Technology & Quality Assurance	30	-	83	-	-	83
MSc Plant Biotechnology	2	-	100	-	-	100
MSc Biochemistry	13	-	77	-	-	77
MBA	111	0.9	30.63	-	-	31.53
MCA (Regular)	36	16	63	-	-	88
MCA (Lateral)	49	27	71	-	-	98

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

- Reviewing the student enrolment practices.
- Identifying diverse needs of students and to suggest appropriate measures to cater to their requirements.
- Conducting orientation programs for teaching and non- teaching staff at the college level.
- Providing opportunities for enhancement of teacher quality.
- Determining the parameters for ensuring objectivity of the evaluation process.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	-
UGC – Faculty Improvement Program	-
HRD programs	-
Orientation programs	-
Faculty exchange programs	-
Staff training conducted by the university	10
Staff training conducted by other institutions	5
Summer / Winter schools, Workshops, etc.	25
Others	2

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	1	-	-	-
Technical Staff	4	-	-	-

Criterion – III

3 Research, Consultancy and Extension

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

- Monitoring the implementation of recommendations of the research advisory board
- Initiating Programmes for the developing research attitude among the faculty members and students
- Facilitating advanced research and publications
- Exploring the possibilities for consultation and extension activities
- Seeking opportunities for establishing institution-industry linkages and collaborations

3.2 Details regarding major projects

Department of Bio Sciences				
<i>Major projects – Submitted</i>				
1.	Phenological studies and species restoration of Hydnocarpus Macrocarpa, a threatened tree endemic to Western Ghats, submitted to MoEF (Ministry of Environment and forests), Govt. of India (PI: Arun K Das, Co-PI: Biju Dharmapalan)- (INR) 14,00,000			
2.	DNA barcoding of threatened timber trees in Kerala, for conservation, management and timber authentication, submitted to KSCSTE (Kerala State Council for Science Technology and Environment, Govt. of Kerala) (PI:Arun K Das) (INR) 8,40,000			
3.	Analysis of genetic diversity, development of sex linked SCAR marker and marker assisted selection of Asian Palmyra palm submitted to DBT (Department of Biotechnology, Govt. of India) (Borassus flabellifer L.), Aracea (PI: Seen; Co-PI: Arun K Das) (INR) 48,00,000			
4.	Prospecting of Hydnocarpus species of Sikkim Himalaya for Hypericin and Hyperphorin using wild plant and in vitro shoot culture. (PI: Seen; Co-PI: Arun K Das) (INR) 1.50,00,000			
	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	NIL	NIL	4
Outlay in INR	NIL	NIL	NIL	2,20,40,000

3.4 Details regarding minor projects

Department of Biosciences	
<i>Details of Ongoing minor projects</i>	
1	Establishment of an herbal garden for mass education and wide spread cultivation

	by raising herbal nursery funded by Medicinal Plant Board, Govt. of India Amount (INR) 2,50,000 Lakhs; Period-2014-19; (PI: Mr. Biju Dharmapalan)			
2	Environment Education Workshop using Games & Activities funded by KSCSTE (Kerala State Council for Science Technology and Environment, Govt. of Kerala) Amount (INR) 2,00,000; Period 2016;(PI: Dr S Seeni)			
Details of Sanctioned minor projects				
1	Orientation Programme on Advances and Avenues in Science for School Students funded by KSCSTE (Kerala State Council for Science Technology and Environment, Govt. of Kerala) Amount (INR) 2,00,000; Period 2017;(PI Biju Dharmapalan)			
	Completed	Ongoing	Sanctioned	Submitted
Number	-	2	1	-
Outlay in INR	-	2,60,000	2,00,000	-
Details of student research projects				
1.	Production of callus from Indigofera tinctoria Lin., as an alternate source for the production of natural hair dyes; Period 2017-18 funded by KSCSTE (Kerala State Council for Science Technology and Environment, Govt. of Kerala) (PI: Mr. Biju Dharmapalan) – (INR) 10,000			
	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	-
Outlay in INR	-	10,000	-	-

3.4 Details on research publications

Department of Biosciences	
Details of Journal Publications (International Peer Review Journals)	
1.	Treesa Varghese and Saleena Mathew “Seasonal variation in the proximate composition of Asian sting cat fish & banded snake head collected from paddy field of Kerala”; DAMA international; Trends in fisheries research; Vol. 5 Issue 3 -2016 PP.9-12 ISSN:2319-474X - Impact factor 0.564
2.	Treesa Varghese and Saleena Mathew “Post-mortem autolytic changes of iced stored banded snakehead”; International journal of fisheries & aquatic studies, Vol. 4 Issue 4 -2016 PP. 262-267 ISSN:2347.5129 – Impact factor 5.62
3.	Jacob J, Babu B.M, Mohan M.C “Inhibition of proinflammatory pathways by bioactive fraction of Tinospora cordifolia; Inflammopharmacology”, Experimental & therapeutic studies, ISSN:1568-5608 – Impact factor 2.304
Other Publications (Articles)	
1.	Biju Dharmapalan and Shone Thomas Mathew (2016). The Little Indian Ginat

	Squirral. <i>Science Reporter</i> . Vol. 53, No.11, pp 54-55
2.	Biju Dharmapalan (2016). Harold Kroto-Scientific Evangelist. <i>Science Reporter</i> . Vol. 53, No.9, pp 40-41.
3.	Biju Dharmapalan (2016). Craig Venter - The Crazy Scientist who conquered Life. <i>Science India</i> , Vol 19, No.5, pp 23-29
Department of Computer Applications	
<i>Details of Journal Publications (International Peer Review Journals)</i>	
1.	Dr. Nishad P M and Syam Sankar “ <i>Efficient Random Sampling Statistical Method to Improve Big Data Compression Ratio and Pattern Matching Techniques for Compressed Data</i> ” <i>International Journal of Computer Science & Information Security (IJCSIS)</i> Vol. 14 No. 6, Part 1 PP. 179-184 June 2016, ISSN 1947-5500 Referred in Thomson Routers – Impact factor - 0.519
2.	Dhanya L K and Rani Susan Oommen “ <i>PCFG Grammar Generation for Malayalam</i> ”, <i>International Journal of Engineering and Technology</i> , Vol -7, PP. 411-416, August – 2016. ISSN: 2319-1508 –Referred in Thomson Routers
3.	Sreelekshmi C. Warriar “ <i>Visualisations of a soft set and soft set multi Set approaches to game theory</i> ” <i>Bulletin of Kerala Mathematics Association-</i> vol-13 No.2. PP.173-185 December -2016
<i>Details of Conference Publications (International)</i>	
1.	Rani Susan Oommen, Jayamohan M, Sruthy S “ <i>Using Fractal Dimension and Singular values for Image Forgery detection and Localization</i> ”, <i>International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST -2015)-</i> published in <i>Procardia Technology (Elsevier – Science Direct)</i> , PP. 1452-1459 -2015
Department of Management Studies	
<i>Details of Journal Publications (International Peer Review Journals)</i>	
1.	Dr.V.P. Vijayamohan “ <i>Consolidation of Indian Banks: An opportunity for inorganic Growth</i> ”, ISSN No. 0974-8334 (August 2016)
2.	Dr. Jeemon Joseph “ <i>Innovations in HR in the era of social media</i> ”, <i>International Journal of Innovation in Engineering Research & Management (IJIERM)</i> , ISSN (Online) 2348-4918, I.F-1.223, Vol 3 ISS.VI, Dec. 2016
3.	Dr. Ashalakshmi R.K “ <i>Organizational culture and commitment: A Study on IT Industry in Kerala</i> ”, <i>IMDR, Journal of Management Development and Research</i> , Vol. No. 1 Jan-March 2016
4.	Neethu Ann Georgie “ <i>Understanding societal perception towards FI with special reference to Kudumbasree</i> ” – <i>IJGBMR</i> , Vol.5, Issue 2, Aug 2016

5.	Neethu Ann Georgie “ <i>Understanding Consumer response to E-promotion strategies</i> ” IJMBS, Vol.6, Issue 3, July 2016, PP: 32-34
6.	Sudeep B Chandramana, Arun Prem and Preetha G Panicker “ <i>Clicking towards growth in a volatile, uncertain, complex and Ambiguous Environment</i> ” – A study on the state of online retail Industry in India: IJSTM, Vol 05, Issue 10, October 2016
7.	Ajai Krishnan G “ <i>Impact of Modern Retail outlets on the Consumer Purchasing Behavior</i> ”, Published in the Bonfring International Journal of Industrial Engineering and Management Studies, Vol-6, February 2016, ISSN:2250-1096
8.	Ligo Koshy “ <i>Influence of Television Advertisement on Buying Behaviour of youth towards cosmetic products</i> ”, Journal of Science Technology and Management ISSN No:0974-8334, January-March 2016 Vol.9 No.1
9.	Dr.Aggi Anand “ <i>A study on spiritual intelligence and employability skills among B-school students</i> ”, International Journal of Exclusive Management Research, Vol 7(1), 2016

Details of Journal Publications (National)

1.	Dr. Ashalakshmi R.K. “ <i>Risk and uncertainty in the Rubber sector of Kerala : an analysis</i> ”, Journal of Science and Technology and Management, Vol.no:9 Jan-March 2016
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Details of conference Publications (International)

1.	Sudeep B Chandramana and Arun Prem “ <i>Branding of shopping malls and preference of Customers – A study with respect to the city of Kochi</i> ” – Proceedings of CBM – 2016, Emerald India
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	International	National	Others
Peer Review Journals	15	1	3
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	2	-	-

3.5 *Details on Impact factor of publications:*

Range	H-Index	Nos. in Scopus
0.519 – 5.62	-	-

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

Department of Biosciences				
Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (INR)	Received (INR)
Major projects	-	-	-	-
Minor Projects	3	KSCSTE	2,00,000	1,50,000
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	1	KSCSTE	10,000	10,000
Any other(Specify)	-	-	-	-
Total			2,10,000	1,60,000

3.7 No. of books published

Department of Biosciences			
1.	Biju Dharmapalan (2016). <i>Plant Biochemistry- An Introduction</i> . Narosa, Delhi ISBN:978-81-8487-5072		
2.	Vijayakumaran Nair, Biju Dharmapalan and Usha S (2016) <i>Methodology and perspectives of Zoology</i> , Academica, Thiruvananthapuram. (ISBN 978-81-930754-6-3)		
Department of Management Studies			
1.	Dr.Aggi Anand “ <i>Workplace spirituality- A theoretical framework</i> ”, Book Chapter, Innovation and Global HRM by 2050, Bonfring Publications		
2.	Ajai Krishnan G, “ <i>Effect of Advertisement on consumer buying behaviour towards bathing soap</i> ”, Published in the Edited Book-Inter Disciplinary issues for empowering Trade, Industry band Society, ISBN: 978-93-85777-06-6, Excel India, Publishers New Delhi, Jan 2016		
No of books Published	With ISBN No.	Without ISBN No.	Chapters in Edited books
4	3	1	1

3.8 No. of University Departments receiving funds from: NIL

3.9 For colleges Autonomy: NIL

3.10 Revenue generated through consultancy:

Sl No	Activities	Amount (INR)
Training programmes		
1.	Training programme in Chocolate Making for Prospective Entrepreneurs from 31 st August to 1 st September 2016	18,020
2.	Training programme in Chocolate Making for Prospective Entrepreneurs from 19 th to 20 th July 2016	15,030
3.	Hands-on training programme in Food Processing for prospective entrepreneurs on 18 th May 2016.	25,080
Tissue culture		
1.	Hands-on training on Plant Tissue Culture techniques and Applications from 7 th to 18 th January 2016 sponsored by Kerala Biotechnology Commission	41,860
2.	Plant tissue culture of Plantains, Orchids & Anthurium	1,00,000
Grant Total		199,990

3.11 No. of conferences/ Seminar/workshop Organized by the Institution

Department of Biosciences		
S. No	Name of the conferences/ Seminar/ workshop	Sponsoring Agencies
National Level		
1.	Workshop on ' Patent Information and Drafting for R&D and Industry ' on 22 nd December, 2016	Kerala State Council for Science Technology and Environment (KSCSTE)
State Level		
1.	Seminar on Chromosomal Abnormalities and its Impact on Human Life , organized as part of National Science Day Celebrations 2017 on 23 rd Feb, 2017.	Kerala State Council for Science Technology and Environment (KSCSTE)
2.	Seminar on " Seminar on Recent Innovations in Biomaterial Research from India " organized as part of National Technology Day Celebrations, 26 th February 2017.	Kerala State Council for Science Technology and Environment (KSCSTE)
College Level		
1.	GN Ramachandran Science Club Seminar on ' Genomes for Crop Improvement ' by Dr. Babu Valliyodan, Senior Research Scientist, Division of Plant Sciences, University of Missouri, Columbia on 6 th Feb. 2017.	NIL
2.	GN Ramachandran Science Club Seminar on ' Phylogenetics of Carpel Development ' by Dr. Annette Becker, Justus-Liebig-Universität Gießen, Institut für Botanik on 4 th Feb. 2017	NIL
3.	A tale of two neurons- does identity matter? by Dr. Suraj Cherain, Department of	NIL

	Ophthalmology, Feinberg School of Medicine, Northwestern University, Chicago on 31st October 2016				
4.	GN Ramachandran Science Club Seminar on ‘Selfish Gene to Selfish Green’ by Rev. Dr Rayappa Kasi, Vellore on 5 th October 2016	NIL			
5.	GN Ramachandran Science Club Seminar on ‘Human Genome project and its implications’ by Dr Moinak Banerjee, Scientist F, Human Molecular Genetics Laboratory Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram on 26 th September 2016	NIL			
6.	Seminar on “Seminar on Recent Innovations in Food Packaging Technology” by Dr Arunkumar P, Scientist, CFTRI, Mysoru, on 11th May 2016	NIL			
Department of Computer Applications					
International Level					
1.	International Research workshop on Coding theory and Fractals with the application to Computer Science and Engineering on 15 th , 16 th and 17 th December 2016	Mahatma Gandhi (MG) university Kottayam, Providence College of Engineering, Chengannur, Kerala Mathematical Association (KMA) and Computer society of India(CSI)			
National Level					
1.	National seminar on Recent Research Opportunities in Computer Science and its Applications , 5 th and 6 th September 2016	Kerala State Council for Science, Technology & Environment (KSCSTE), Kerala Mathematical Association (KMA) and Computer society of India(CSI) and Mahatma Gandhi (MG) university Kottayam			
Level	International	National	State	University	College
Number	1	3	2	-	7
Sponsoring Agencies	1	2	2	-	-

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

Department of Biosciences			
Sl no.	Name of the faculty	Topic	Venue and Date
1.	Dr. S. Seeni	Micropropagation and patentable tissue culture processes on Indian plants	Conference Hall of Science Campus, Alagappa University, Karaikudi, Tamilnadu on 31 st January, 2017
		Invited lecture on “In Vitro	Department of Botany,

		production of secondary metabolites prospects and problems” National Workshop on Plant Tissue Culture, Cell Culture and Cryo-preservation Technology	University of Kerala, Kariyavattom Campus on 17 th November, 2016
2.	Mrs. Beena Cherian	As a resource person for the one-day seminar on the topic “Vitamins & Minerals”	BCM College, Kottayam on 28 th September, 2016
		A talk was delivered on the Topics: 1) Milk and Milk products 2) Meat and meat products	BCM College, Kottayam on 22 nd February, 2017
		As a resource person & keynote speaker on topic Food preservation for the students of Department of Clinical Nutrition & Dietetics	Alphonsa College Pala 08 th March, 2017
		A talk was delivered on the topic “Cereals, sugar and confectionary”	BCM College, Kottayam on 30 th March 2017
3.	Mr.Biju Dharmapalan	Excitements and Avenues in Life Science	Christian College Chengannur on 23 rd March 2017
		Invited Talk on CRISPR – a new tool for gene manipulation	Sree Ayyappa College Eramallikara on 9 th December 2016.
		Invited talk on the topic ‘Ozone depletion and its impact on Global Plant life in connection with the observance of Ozone Day 2016	NSS College, Pandalam, sponsored by KSCSTE, Govt.of Kerala on 27 th September 2016
		Career Guidance session for B.A. and B.Sc. students	SN College for Women Kollam as part of A Day with Scholar Programme on 15 th March 2016
4.	Mr Stephen James	Bioinformatics for B.Sc Botany& Microbiology students	S.B. College Changanacherry 5 th and 6 th May 2017
5.	Ms. Pinchu Elizabeth Thomas	Session on Salad Dressings	YWCA Tiruvalla 20 th April 2016
		Session on Nutrition and Diets	Jerusalem Marthoma Church Kuttapuzha on 21 st July 2016
		Cereal chemistry for B.Sc. Food Science Students	BCM College Kottayam on 25 th February 2016

3.13 No. of collaborations:**Department of Biosciences**

- Tiruvalla Agri-Horticulture Society for tissue culture of plantain – 10th April 2017
- Indian Council for Agricultural Research(ICAR) -Central Plantation Crop Research Institute- 17th April 2017

3.14 No. of linkages created during this year**Department of Biosciences**

- Synthite Industries Ltd – Ernakulam from 2016 onwards

3.15 Total budget for research for current year in lakhs:

Source	Amount (INR)
From Funding agency	-
From Management of University /College	50,00,000
Total	50,00,000

3.16 No. of patents received this year:

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialized	Applied	-
	Granted	-

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

- **Mr. Ajai Krishnan G**, Assistant Professor, Department of Management Studies has received “*Best paper award*” for the International Conference of Science Engineering Technology and Management organized by Department of Mathematics, KE College Kotayam organized on 8th, 9th of March, 2017

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them: NIL**3.19 No. of Ph.D. awarded by faculty from the Institution: NIL**

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

3.20 No. of students participated in NSS events:

- Shalu T S got participated in NSS Leadership Camp organized by NSS at BAM College Thuruthikadu 30th of January, 2017
- Thejus Anil, Shone Thomas, Anjali Pradeep and Feba Das participated in NSS

Leadership Camp organized by NSS at KE College, Mannanam

- Thejus Anil, Shone Thomas, Anjali Pradeep and Feba Das participated in NSS Leadership Camp organized by NSS at MG University, Kottayam

3.21 No. of Awards won in NSS: NIL

3.22 No. of Awards won in NCC: NIL

3.23 No. of extension activities organized:

University forum	College forum	NCC	NSS	Any other
NA	9	NA	2	NIL

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

- **Training programs for public:**
 - ✓ Training programme in Cake Making for Prospective Entrepreneurs from 15th to 16th, December 2016
 - ✓ Training programme in Chocolate Making for Prospective Entrepreneurs from 19th to 20th July, 31st August to 1st September and 8th to 9th November, 2016 also from 10-11th of February, 2017 respectively
 - ✓ Hands-on training programme in “Food Processing” for prospective entrepreneurs on 18th May 2016.
- **Tissue culture of plantain plants**
 - ✓ Tissue culture of Banana -Most sought after varieties of banana namely Nendaran and Rasakadali are selectively multiplied through tissue culture to support Tiruvalla Agri Horty Society
 - ✓ Embryo Culture of Orchids - Selected Varieties of Orchids are bred and desirable hybrid are being multiplied through embryo culture to support local Floriculture industry)
 - ✓ Proposed to multiply Anthuriums and Gerberas for Commercial purposes.
 - ✓ Dr. S Seeni is especially interested in inducing synthesis of Hypericins and Hyperforins, the high value compounds of Hypericum through tissue and cell culture techniques.
- **Analysis of food and food products**
 - ✓ Adulteration test for fruits juices, ice-creams, lollipops, Sip-up & chips on 9th November 2016
 - ✓ Analysis of water: Chemical and Microbiological testing 9th June 2016

- **Science Popularisation**

Popularisation of science among students by using various game activities (Five games and five activities were demonstrated to students of twenty-two institutions and given training on the same) in the academic year 2016-2017 as part of MAKS program of the institution.

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 (sq.mts)	30270.5	-	-	30270.5
Class rooms	20	-	-	20
Laboratories	5	-	-	2
Seminar Halls	2	-	-	2
No. of important equipments purchased (\geq 1lakh) during the current year.	22	2	Tuition Fees	24
Value of the equipment purchased during the year (Rs. in Lakhs)		7.61	Tuition Fees	7.61
Others – Tutorial rooms	2	-	-	2

4.2 Computerization of administration and library

As a part of the digitalization process; 10 computers, and 12 cameras including one web camera, were purchased during the year. 10 computers were made available in the library. The college has renewed its membership of National Digital Library for the current year also.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value Rs.	No.	Value Rs.	No.	Value Rs.
Text Books	26511	52,10,788	2164	1530664	28675	73,93,952
Reference Books	9768		1005	652500	10773	
e-Books	Nil	-	Nil	-	Nil	-
Journals	127	84000	6	11000	133	95000
e-Journals	3	649893	-	837461	3	837461
Digital Database	2	50,000	-	-	2	50,000
CD & Video*	883	-	25	-	908	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet Connections	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	196	2	Two[BSNL]	-	-	2 computers	5 computers	21 computers
Added	-	-	One[JIO]	1		-	-	4
Total	196	2		1		2	5	25

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

JIO WiFi access for entire campus is planned and installation in progress

4.6 Amount spent on maintenance in lakhs :

i) ICT	Rs. 1.89
ii) Campus Infrastructure and facilities	Rs. 4.35
iii) Equipments	Rs. 2.69
iv) Others	Rs. 5.69
Total :	Rs. 14.62

Criterion – V**5 Student Support and Progression****5.1 Contribution of IQAC in enhancing awareness about Student Support Services**

- Monitoring students mentoring and support programs
- Providing timely guidance for career improvement and opportunities for quality placements
- Periodical analysis of the progression of students to higher studies and employment

5.2 Efforts made by the institution for tracking the progression

The teachers get in touch with the alumni through email communications and social network sites for monitoring the progress of students. The alumni meetings conducted periodically also monitors the progression of students

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
0	496	0	0

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

(c) No. of international students : NIL

Men		No:		%		
		160		32.2%		
Women		336		670.7%		
Year	General	SC	ST	OBC	Physically Challenged	Total
Last Year	210	12	-	48	-	270
This Year	173	9	-	44	-	226
Demand ratio -2.6:1				Dropout %: 0.02%		

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

Orientation classes for UGC-CSIR,GATE and ARS examinations are provided

No. of students beneficiaries : 120

5.5 No. of students qualified in these examinations:

NET	SET/SLET	GATE	CAT	IAS/IPS etc	State PSC	UPSC	Others
2	-	-	-	-	-	-	-

5.6 Details of student counselling and career guidance

- Counselling are provided by trained counsellor on every Thursdays
- Job opportunities are constantly informed to students through mails

No. of students benefitted: 496

5.7 Details of campus placement

On campus		Off Campus	
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
22	278	52	6

5.8 Details of gender sensitization programmes

Women cell is organising programs for women safety

5.9 Students Activities

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

State/ University level	18	National level	-	International	-
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No. of students participated in cultural events:

State/ University level	10	National level	30	International	6
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5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports	State/ University level	-	National level	-	International	-
Cultural	State/ University level	4	National level	16	International	2

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	30	722600
Financial support from government	-	-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	2	280000

5.11 Student organised / initiatives

Fairs:	State/ University level	-	National level	30	International level	2
Exhibition:	State/ University level	-	National level	-	International level	-

5.12 No. of social initiatives undertaken by the students:

7

5.13 Major grievances of students (if any) redressed:

Installed turbo ventilators on the roof of college building to reduce room humidity.

Criterion – VI

6 Governance, Leadership and Management

6.1 *State the Vision and Mission of the institution*

Vision: *To attain the level of excellence at par with top international institutions so as to become a trend setter in education*

Mission: *To transform young people and mould them into value-driven, culturally enriched and professionally competent change agents who would significantly contribute to improving their immediate community, the state, the country and the world at large.*

6.2 *Does the Institution have a Management Information System?* Yes.

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

6.3.1 *Curriculum Development:*

Curriculum is designed by the affiliating University (M. G. University Kottayam) However, the institution is following the practice of preparing lesson plan for each subject based on the syllabus by the concerned faculty member for each subject giving the particulars of recommended books and journals related to the subject and the period within which each module is to be completed.

The college has the practice of preparing an academic calendar also. The calendar includes all the major events of the college including the proposed dates of internal as well as University examinations.

6.3.2 *Teaching and Learning:*

The college encourages participative mode of teaching and learning process with the help of ICT enabled facilities. Students are encouraged to work beyond the syllabus in the form of seminars, assignments and mini projects. Feedback from students about the teaching- learning practices is collected regularly on a three-tier system - monthly feedback by the Faculty, semester wise by the HOD and annually by the Principal.

6.3.3 *Examination and Evaluation:*

Continuous evaluation of the students is done based on the different components specified by the University for awarding internal marks. The concerned faculty members are also involving in the valuation of answer books of the university examinations and viva- voce examinations.

The college is very particular in following an unbiased approach in the evaluation process.

6.3.4 Research and Development:

- MOU signed with The Agri - Horticultural Society Tiruvalla with regard to banana tissue culture and floriculture. Fund has been released to facilitate banana tissue culture and floriculture and planning to conduct a flower show during the month of January 2018.
- A project entitled “Hands on Training in Plant Tissue Culture” which is sanctioned by Kerala

6.3.5 Library, ICT and physical infrastructure / instrumentation:

The institution has adopted the strategy of updating the Library, ICT and physical infrastructure by earmarking funds through budget provisions given at the time of preparing the annual budget of the college.

6.3.6 Human Resource Management:

A separate HR Department is functioning in the college. The college has its own HR policy related recruitment, compensation management, performance management etc. The policy is subject to revision every year.

6.3.7 Faculty and Staff recruitment:

MACFAST is emphasising on the selection of competent and qualified persons for teaching and non-teaching tasks. Vacancies are reported by the concerned Head of the departments and recruitments are done based on the report.

6.3.8 Industry Interaction / Collaboration:

With a view to provide practical exposure for the students, industry interaction programmes like MII, Industrial Visits, and EDC are designed in advance and the schedule of such programmes are shown in the academic calendar published by the college every year.

6.3.9 Admission of Students:

The admission of the students is as per the guidelines of the affiliating University and the AICTE. The Head of the Department is in charge of conducting the admissions of the respective department. The entire admission process is monitored by an Admission Monitoring Committee constituted at the college level.

6.4 Welfare schemes for:

Teaching & Non-teaching	PF, Medical Insurance Scheme, Free Accommodation, Interest Free Loan facility, festival allowances, Transport Facility, Free quarterly medical check-up etc
Students	Scholarships on the merit basis, medical check-up

	rest room facility, drinking water facility
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6.5 Total corpus fund generated:

The total corpus fund is generated from the tuition fees collected from the students.

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			Yes	
Administrative			Yes	

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?

For the smooth and secure conduct of examinations, M. G. University implemented Online Secured Question Paper Management System

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

The Govt. of Kerala has given autonomous status only recently to selected colleges. At present the affiliated colleges are given the autonomy in curriculum designing and conduct of examinations.

6.11 Activities and support from the Alumni Association

Currently we are getting placements supports and they contribute to the various fests like Tantra, Technitrous and Pranah.

6.12 Activities and support from the Parent – Teacher Association

PTA Meetings are conducted on a regular basis. They give timely suggestions and feedback to improve the activities of the college.

6.13 Development programmes for support staff:

Separate orientation and training programmes were conducted during the reporting year.

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

In addition to the existing green initiatives like biogas plant, solar power plant etc, the sewage water treatment plant was installed in the reporting year

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 detail*

The following innovations have been introduced this academic year:

1. Institutional initiative for environment protection – Introduction of Sewage Treatment system

A sewage treatment plant was installed in the premises of the men's hostel with a view to remove the contaminants from waste water and to produce environmentally safer treated waste water for gardening purpose. The treatment plant has a capacity of 25000 litres. The cost of installation of plant is Rs. 18, 50, 000.

2. Promotion of Organic Farming Culture (SWASTHYA)

The college has introduced the project named “SWASTHYA” which aims to encourage and spread the culture of organic farming, development of high quality products from commonly available traditional fruits such as mangoes and jackfruits etc.

In May, 2017 the college has conducted a Jackfruit-mango fest in association with YMCA, Tiruvalla. 101 new novel varieties of food products were exhibited in the fest

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

1. Development of Orchidarium

As part of the programme initiated by the college for the development of new orchid varieties through hybridization, an orchidarium with more than 200 varieties of orchids have been developed in the campus. The orchid plants are propagated using fertilizer mixture of charcoal, coconut husk and brick pieces in baskets and are watered regularly. Keikis (offshoots) developed in the adult plants are separated and grown into individual plants.

2. Upgradation of Herbal Garden

The herbal garden of the college has been upgraded during the year with addition of more than 20 new species with the support of National Medicinal Plant Board.

3. Development of Vegetable Garden

Developed a vegetable garden in the campus under the initiative of the School of Biosciences. Four varieties of banana plants viz “Nenthran”, “Rasthali”, “Robusta”, “Sindhoori” were developed in the Tissue Culture Laboratory and they have been planted in the garden and these are also

commercially available from the college.

4. Food Product Development and Training Programme

As part of the institutional commitment to the society, the college have arranged training programmes on food product development targeted to the general public. For establishing small scale cottage industries and undertaking expansion activities of the existing business units. The programme was coordinated by Ms. Pinchu Elizabeth Thomas, Assistant Professor, School of Biosciences.

5. MII Programme

As part of the MACFAST-Industry Interface programme, the students visited the following renowned research institutes during the academic year 2016-17:

Sl. No.	Name of Research Institute	Month and Year
1	Forest Research Institute, Dehradun	March, 2016
2	Centre for Cellular and Molecular Platforms, Bangalore	March, 2016
3	Centre for Development of Advanced Computing (CDAC), Technopark, Trivandrum	May, 2016
4	Central Food Technological Research Institute, Mysore	August, 2016
5	Indian Institute of Sciences, Bangalore	November, 2016
6	National Centre for Biological Sciences, Bangalore	November, 2016
7	Central Institute of Fisheries Technology, Kochin	13 th November, 2016 to 18 th November, 2016
8	Reserve Bank of India, Kochin	
9	Cognizant Technology Solutions, Kochin	
10	SUD Chemie, Kochin	
11	UST Global, Kochin	
12	National Institute of Fisheries Post Harvest Technology and Training, Kochi	February, 2017

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

1. Title of the Practice: Promotion of Experiential Learning

The IQAC of the college has recognized that knowledge is created through the transformation of first-hand experience and thus the college introduced the promotion of experiential learning process as one of the best practices for the academic year 2016-17. This practice will enable the students to get familiarize with the real time grasping and transforming experiences.

Objectives of the Practice: To inculcate an experiential learning among student

fraternity that would make them to be successful in corresponding area of study

The Context: The college would make the students to be associated with leading firms and to study and understand their functioning and would make them to be associated with government funded projects provided by government agencies such as DST, DBT, CSIR. etc.

The Practice:

Evidence of Success: MACFAST provides unique opportunity to have experiential learning through practices. The students of M.Sc. Food Technology & Quality Assurance have an opportunity to work in the Bake house. MCA students have opportunity to work in the kin institution of college, the MACFAST Technologies as well as in Innexcom (subsidiary company working along with MACFAST Technologies) in funded projects.

Problems Encountered:

1. Difficulty in marketing and distributing the student products from the Bake house competitively
2. Dearth of availability of qualified and experienced bake-men
3. Inadequate working space for simultaneous learning of students

Resources Required:

- Well-equipped delivery van
- Proper building with food quality standards
- Appointment of qualified bake-men

2. **Title of the Practice: “Thought of the Day” – A learning process that focuses on the learners’ attention, thinking, and motivation towards specific topics and goals initiated by the MACFAST Library Information Centre.**

The college has introduced “Thought of the Day” to motivate learners to examine their commitment in their lifelong journey of education. It help to comprehend them “Thought for the Day” and the value of the thought.

Objectives:

Learners will be able to:

- Explain the author’s quote/ idea.
- Explain what the quote means to the learner.
- Explain the application of the quote in the real life situation.

Practice: The MACFAST Library Information Centre collects the quotes/ideas of the students, teaching and non-teaching staff in sealed envelopes which will be deposited in a box in the general Library. The best quote during a particular period is selected and awarded prizes. All the quotes received is handed over to the

Station Director of the RADIOMACFAST 90.4.

Problems Encountered: As of now, no credible problems have reported.

Resources Required:

- The library in the long run, may require adequate provision for exhibiting the selected thoughts.
- A staff member may be specifically assigned for this purpose.

7.4 Contribution to environmental awareness / protection

- Awareness for environmental issues
- Recycling waste water
- Bio gas from slaughter house is utilizing for cooking purpose at ladies hostel
- Radio Programme – to promote organic farming

7.5 Whether environmental audit was conducted? Yes: No: ✓

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

- Awards received for campus radio
- Reduction of junk foods and high calorie food products in college canteen and mess has been implemented for developing healthy food habits in campus
- 80 varieties of homemade chocolates were developed and training programmes were conducted for general public

8 Plans of the institution for next year

1. Expansion of the MACFAST Library Information Centre
2. Expansion of the Career Guidance and Placement Cell
3. Implementation of the Project for becoming the first Education Institution in Kerala with 100% Solar Powered Campus
4. Commencement of the MACFAST Incubation Centre
5. Signing up of new MoUs with reputed Institutions and companies for training and Placement

Name: Dr. K. R Sukumaran Nair

Name: Rev.Fr. Pradeep Vazhatharamalayil

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

ANNEXURE

ACADEMIC CALENDAR 2016 - 17

MACFAST, TIRUVALLA

July 2016

Date	Day	Activity for MBA 1 st & 2 nd Semester, MCA 1 st 3 rd and 5 th semester regular & lateral entry and Bioscience MSc 1 st and 2 nd semester	Working Days	Activity for MBA 3 rd & 4 th Semester, MCA 2 nd 4 th & 6 th semester regular & lateral entry and Bioscience MSc 3 rd & 4 th semester	Working Days
1	FRI				
2	SAT				
3	SUN	St.Thomas Day		St.Thomas Day	
4	MON	Internal Exam-S2 MSc		S3 MCA-University Lab Exam	
5	TUE	Internal Exam-S2 MSc		S3 MCA-University Lab Exam	
6	WED	Ramsan,		Ramsan,	
7	THU	Internal Exam-S2 MSc		S3 MCA-University Lab Exam	
8	FRI	Internal Exam-S2 MSc		S3 MCA-University Lab Exam	
9	SAT	Second Saturday		Second Saturday	
10	SUN				
11	MON	Commencement of S1 MBA Regular Class, Internal Exam-S2 MSc		Model Exam-S4 MBA, S3 MCA-University Lab Exam	
12	TUE	Internal Exam-S2 MSc		Model Exam-S4 MBA, S3 MCA-University Lab Exam	
13	WED			Model Exam-S4 MBA	
14	THU			Model Exam-S4 MBA	
15	FRI			Model Exam-S4	

				MBA	
16	SAT			Model Exam-S4 MBA	
17	SUN				
18	MON				
19	TUE	Training programme in Chocolate Making For Prospective Entrepreneurs			
20	WED	Training programme in Chocolate Making For Prospective Entrepreneurs		University Exam-S4 MSc	
21	THU			University Exam-S4 MSc	
22	FRI	Commencement of MBAS2 University Examination		University Exam-S4 MSc	
23	SAT				
24	SUN				
25	MON			University Exam-S4 MSc	
26	TUE			Model Practical Exam- S4 MSc	
27	WED				
28	THU				
29	FRI				
30	SAT				
31	SUN				

August 2016

Date	Day	Activity for MBA 1 st & 2 nd Semester, MCA 1 st 3 rd and 5 th semester regular & lateral entry and Bioscience MSc 1 st and 2 nd semester	Working Days	Activity for MBA 3 rd & 4 th Semester, MCA 2 nd 4 th & 6 th semester regular & lateral entry and Bioscience MSc 3 rd & 4 th semester	Working Days
1	MON				
2	TUE	Karkidaka Vavu		Karkidaka Vavu	
3	WED				
4	THU				
5	FRI				
6	SAT				
7	SUN				
8	MON				
9	TUE			Commencement of MBA S3 Classes, Visit to CFTRI Mysore-S3 MSc, University Practical Exam-S4 MSc	
10	WED			Visit to CFTRI Mysore-S3 MSc, University Practical Exam-S4 MSc	
11	THU			Visit to CFTRI Mysore-S3 MSc	
12	FRI			Visit to CFTRI Mysore-S3 MSc	
13	SAT	Second Saturday		Second Saturday	
14	SUN				
15	MON	Independence Day		Independence Day	
16	TUE	Model Exam-S2 MSc			

17	WED	Model Exam-S2 MSc		Commencement of MBA S4 Exam	
18	THU	Model Exam-S2 MSc			
19	FRI	Model Exam-S2 MSc			
20	SAT				
21	SUN				
22	MON	1 st Internal Exam-S2 MBA			
23	TUE	1 st Internal Exam-S2 MBA			
24	WED	Sreekrishna Jyanthi		Sreekrishna Jyanthi	
25	THU	1 st Internal Exam-S2 MBA, University Exam-S2 MSc.			
26	FRI	1 st Internal Exam-S2 MBA			
27	SAT	1 st Internal Exam-S2 MBA			
28	SUN				
29	MON	Placement Training-MCA		Placement Training- MCA	
30	TUE	Placement Training-MCA		Placement Training- MCA, Model Practical exam-S4 Msc.	
31	WED	Placement Training-MCA		Placement Training- MCA	

September 2016

Date	Day	Activity for MBA 1 st & 2 nd Semester, MCA 1 st 3 rd and 5 th semester regular & lateral entry and Bioscience MSc 1 st and 2 nd semester	Working Days	Activity for MBA 3 rd & 4 th Semester, MCA 2 nd 4 th & 6 th semester regular & lateral entry and Bioscience MSc 3 rd & 4 th semester	Working Days
1	THU	Placement Training-MCA		Placement Training-MCA	
2	FRI	Placement Training-MCA		Placement Training-MCA	
3	SAT				
4	SUN				
5	MON			University Practical Exam-S4 MSc.	
6	TUE			University Practical Exam-S4 MSc.	
7	WED				
8	THU				
9	FRI	Onam Celebration		Onam Celebration	
10	SAT	Second Saturday, Onam Holidays		Second Saturday, Onam Holidays	
11	SUN	Onam Holidays		Onam Holidays	
12	MON	Onam Holidays		Onam Holidays	
13	TUE	Onam Holidays		Onam Holidays	
14	WED	Onam Holidays		Onam Holidays	
15	THU	Onam Holidays		Onam Holidays	
16	FRI	Onam Holidays		Onam Holidays	
17	SAT	Onam Holidays		Onam Holidays	
18	SUN	Onam Holidays		Onam Holidays	
19	MON			Model Exam-S4	

				MCA	
20	TUE			Model Exam-S4 MCA	
21	WED	Sree Narayanaguru Samadhi		Sree Narayanaguru Samadhi	
22	THU	TANTRA Management Fest- 2016, Food Fest (Bioscience Dept.)		TANTRA Management Fest- 2016, Model Exam- S4 MCA, Food Fest (Bioscience Dept.)	
23	FRI	TANTRA Management Fest- 2016		TANTRA Management Fest- 2016, Model Exam- S4 MCA	
24	SAT			Model Exam-S4 MCA	
25	SUN				
26	MON	1 st Internal-S1 MBA, Inauguration of New Bioscience Batch		Inauguration of New Bioscience Batch	
27	TUE	1 st Internal-S1 MBA, Orientation Programme-S1 MSc.			
28	WED	1 st Internal-S1 MBA , Mar Athanasious Day		Mar Athanasious Day	
29	THU	1 st Internal-S1 MBA, Batch Inauguration MCA		Batch Inauguration MCA	
30	FRI	1 st Internal-S1 MBA, Orientation-S1 MCA			

October-2016

Date	Day	Activity for MBA 1 st & 2 nd Semester, MCA 1 st 3 rd and 5 th semester regular & lateral entry and Bioscience MSc 1 st and 2 nd semester	Working Days	Activity for MBA 3 rd & 4 th Semester, MCA 2 nd 4 th & 6 th semester regular & lateral entry and Bioscience MSc 3 rd & 4 th semester	Working Days
1	SAT	1 st Internal-S1 MBA			
2	SUN	Gandhi Jayanthi		Gandhi Jayanthi	
3	MON	1 st Internal-S1 MBA			
4	TUE	1 st Internal-S1 MBA		Model Exam- S2 MCA	
5	WED			Model Exam- S2 MCA	
6	THU			Model Exam- S2 MCA, OELS3 MBA Batch-1	
7	FRI			Model Exam- S2 MCA, OELS3 MBA Batch-1	
8	SAT	Second Saturday		Second Saturday	
9	SUN				
10	MON	Mahanavami		Mahanavami	
11	TUE	Vijayadasami		Vijayadasami	
12	WED	Muhram		Muhram	
13	THU			OELS3 MBA Batch-2	
14	FRI			OELS3 MBA Batch-2	
15	SAT				
16	SUN				

17	MON				
18	TUE				
19	WED				
20	THU				
21	FRI				
22	SAT				
23	SUN				
24	MON				
25	TUE				
26	WED				
27	THU				
28	FRI				
29	SAT	Deepavali		Deepavali	
30	SUN				
31	MON	MII-S1MBA Batch1		Model Lab Exam- S4 MCA (Regular)	

November 2016

Date	Day	Activity for MBA 1 st & 2 nd Semester, MCA 1 st 3 rd and 5 th semester regular & lateral entry and Bioscience MSc 1 st and 2 nd semester	Working Days	Activity for MBA 3 rd & 4 th Semester, MCA 2 nd 4 th & 6 th semester regular & lateral entry and Bioscience MSc 3 rd & 4 th semester	Working Days
1	TUE	Radio Anniversary, MII-S1MBA Batch1			
2	WED	MII-S1MBA Batch1, Commencement of S5 – MCA (Regular & Lateral)			
3	THU	MII-S1MBA Batch1, Android Training-S5 MCA(Regular & Lateral), World Food Day Celebrations-Food Fest		World Food Day Celebrations-Food Fest	
4	FRI	MII-S1MBA Batch1			
5	SAT				
6	SUN				
7	MON			Model Examination S3 MBA	
8	TUE			Model Examination S3 MBA	
9	WED			Model Examination S3 MBA, , Commencement of S2-MCA (Regular & Lateral)	
10	THU			Model Examination S3 MBA, MII-S3 MSc.	
11	FRI			Model Examination S3 MBA, MII-S3 MSc.	
12	SAT	Second Saturday		Second Saturday, MII-S3 MSc.	

13	SUN			MII-S3 MSc.	
14	MON	MII-S1MBA Batch2, Commencement of S3- MCA(Regular)		Model Examination S3 MBA, MII-S3 MSc.	
15	TUE	MII-S1MBA Batch2, University Practical Exam- S2 MSc.		Model Examination S3 MBA, University Lab Exam-S4 MCA	
16	WED	MII-S1MBA Batch2			
17	THU	MII-S1MBA Batch2			
18	FRI	MII-S1MBA Batch2			
19	SAT				
20	SUN				
21	MON			University Lab Exam-S4 MCA	
22	TUE			University Lab Exam-S4 MCA	
23	WED				
24	THU			Project Evaluation & Course Viva –Voce- S6 MCA	
25	FRI			Commencement of S3 MBA- University Examination, Project Evaluation & Course Viva –Voce-S6 MCA	
26	SAT				
27	SUN				
28	MON			Project Evaluation & Course Viva –Voce- S6 MCA	
29	TUE			Project Evaluation & Course Viva –Voce- S6 MCA, Internal Exam-S3 MSc.	
30	WED			Project Evaluation & Course Viva –Voce- S6 MCA, Internal Exam-S3 MSc.	

December 2016

Date	Day	Activity for MBA 1 st & 2 nd Semester, MCA 1 st 3 rd and 5 th semester regular & lateral entry and Bioscience MSc 1 st and 2 nd semester	Working Days	Activity for MBA 3 rd & 4 th Semester, MCA 2 nd 4 th & 6 th semester regular & lateral entry and Bioscience MSc 3 rd & 4 th semester	Working Days
1	THU	2 nd Internal Exam-S1 MBA, Blood Donation Camp		Internal Exam-S3 MSc.	
2	FRI	2 nd Internal Exam-S1 MBA		Internal Exam-S3 MSc.	
3	SAT	2 nd Internal Exam-S1 MBA			
4	SUN				
5	MON	2 nd Internal Exam-S1 MBA, One day Orientation- MCA		One day Orientation-MCA	
6	TUE	ASP.NET Training-MCA		ASP.NET Training-MCA	
7	WED				
8	THU	National Level Bio Fest-Pranah		National Level Bio Fest- Pranah	
9	FRI	National Level Bio Fest-Pranah		National Level Bio Fest- Pranah	
10	SAT	Second Saturday		Second Saturday	
11	SUN				
12	MON	Nabi Dinam		Nabi Dinam	
13	TUE				
14	WED				
15	THU				
16	FRI				
17	SAT				
18	SUN				

19	MON				
20	TUE				
21	WED				
22	THU	Workshop on 'PATENT INFORMATION AND DRAFTING FOR R&D AND INDUSTRY' sponsored by Kerala State Council for Science Technology and Environment			
23	FRI	Christmas Celebration		Christmas Celebration	
24	SAT	Christmas Holiday		Christmas Holiday	
25	SUN	Christmas Holiday		Christmas Holiday	
26	MON	Christmas Holiday		Christmas Holiday	
27	TUE	Christmas Holiday		Christmas Holiday	
28	WED	Christmas Holiday		Christmas Holiday	
29	THU	Christmas Holiday		Christmas Holiday	
30	FRI	Christmas Holiday		Christmas Holiday	
31	SAT	Christmas Holiday		Christmas Holiday	

January 2017

Date	Day	Activity for MBA 1 st & 2 nd Semester, MCA 1 st 3 rd and 5 th semester regular & lateral entry and Bioscience MSc 1 st and 2 nd semester	Working Days	Activity for MBA 3 rd & 4 th Semester, MCA 2 nd 4 th & 6 th semester regular & lateral entry and Bioscience MSc 3 rd & 4 th semester	Working Days
1	SUN	New Year			
2	MON	Reopening Day			
3	TUE				
4	WED				
5	THU			University Lab Exam-S2 MCA	
6	FRI			University Lab Exam-S2 MCA	
7	SAT				
8	SUN				
9	MON	Model Examination of S1 MBA, 1 st Internal Exam-S5 MCA		University Exam-S3 MSc.	
10	TUE	Model Examination of S1 MBA, 1 st Internal Exam-S5 MCA		Commencement of S4 MBA Classes, University Exam-S3 MSc.	
11	WED	Model Examination of S1 MBA, 1 st Internal Exam-S5 MCA			
12	THU	Model Examination of S1 MBA, 1 st Internal Exam-S5 MCA			
13	FRI	Model Examination of S1 MBA, 1 st Internal Exam-S5 MCA			
14	SAT	Second Saturday			
15	SUN				

16	MON	2 nd Internal Exam-S1 &S3 MCA			
17	TUE	2 nd Internal Exam-S1 &S3 MCA			
18	WED	2 nd Internal Exam-S1 &S3 MCA			
19	THU	2 nd Internal Exam-S1 &S3 MCA			
20	FRI	2 nd Internal Exam-S1 &S3 MCA		Model Practical Exam-S3 MSc.	
21	SAT				
22	SUN				
23	MON	Internal Exam-S1 MSc.			
24	TUE	Internal Exam-S1 MSc.			
25	WED	Commencement of S1 MBA University Examination, Internal Exam-S1 MSc.			
26	THU	Republic Day			
27	FRI	Internal Exam-S1 MSc.			
28	SAT	Internal Exam-S1 MSc.			
29	SUN				
30	MON				
31	TUE				

February 2017

Date	Day	Activity for MBA 1st & 2nd Semester, MCA 1st 3rd and 5th semester regular & lateral entry and Bioscience MSc 1st and 2nd semester	Working Days	Activity for MBA 3rd & 4th Semester, MCA 2nd 4th & 6th semester regular & lateral entry and Bioscience MSc 3rd & 4th semester	Working Days
1	WED				
2	THU				
3	FRI				
4	SAT				
5	SUN				
6	MON	Commencement of University Exam-S1 MSc.			
7	TUE				
8	WED				
9	THU	Technitrous IT Fest-2017		Technitrous IT Fest-2017	
10	FRI	Technitrous IT Fest-2017		Technitrous IT Fest-2017	
11	SAT	Second Saturday		Second Saturday	
12	SUN				
13	MON	Commencement of S2 MBA Classes			
14	TUE				
15	WED			University Parcical-S3 MSc.	
16	THU				
17	FRI				
18	SAT				
19	SUN				

20	MON				
21	TUE	Seminar on Entrepreneurship Awareness -MCA		Seminar on Entrepreneurship Awareness-MCA, Industrial Visit to Modern Bread, NIFAT	
22	WED				
23	THU				
24	FRI	Shivrathri		Shivrathri	
25	SAT				
26	SUN				
27	MON	Model Exam-S1 MCA			
28	TUE	Model Exam-S1 MCA			

March 2017

Date	Day	Activity for MBA 1 st & 2 nd Semester, MCA 1 st 3 rd and 5 th semester regular & lateral entry and Bioscience MSc 1 st and 2 nd semester	Working Days	Activity for MBA 3 rd & 4 th Semester, MCA 2 nd 4 th & 6 th semester regular & lateral entry and Bioscience MSc 3 rd & 4 th semester	Working Days
1	WED	Model Exam-S1 MCA			
2	THU	Model Exam-S1 MCA			
3	FRI	Model Exam-S1 MCA			
4	SAT				
5	SUN				
6	MON	Model Lab Exam-S1 MCA			
7	TUE	Model Lab Exam-S1 MCA			
8	WED	Model Lab Exam-S1 MCA			
9	THU	Model Lab Exam-S1 MCA			
10	FRI	Model Lab Exam-S1 MCA			
11	SAT	Second Saturday		Second Saturday	
12	SUN				
13	MON	Model Lab Exam-S3 MCA			
14	TUE	Model Lab Exam-S3 MCA			
15	WED	Model Lab Exam-S3 MCA			
16	THU			Research Methodology Workshop for S4 MBA	
17	FRI			Research Methodology Workshop for S4 MBA	
18	SAT			Research Methodology	

				Workshop for S4 MBA	
19	SUN				
20	MON	Model Exam –S3&S5 MCA		Research Methodology Workshop for S4 MBA	
21	TUE	Model Exam –S3&S5 MCA		Research Methodology Workshop for S4 MBA	
22	WED	Model Exam –S3&S5 MCA			
23	THU	Model Practical Exam-S5 MCA			
24	FRI	OEL for S2 MBA-1 st Batch, Model Practical Exam-S5 MCA			
25	SAT	OEL for S2 MBA-1 st Batch			
26	SUN				
27	MON			Model Exam-S4 MSc.	
28	TUE				
29	WED				
30	THU				
31	FRI	OEL for S2 MBA-2 nd Batch			

April 2017

Date	Day	Activity for MBA 1 st & 2 nd Semester, MCA 1 st 3 rd and 5 th semester regular & lateral entry and Bioscience MSc 1 st and 2 nd semester	Working Days	Activity for MBA 3 rd & 4 th Semester, MCA 2 nd 4 th & 6 th semester regular & lateral entry and Bioscience MSc 3 rd & 4 th semester	Working Days
1	SAT				
2	SUN				
3	MON	Commencement of Organization Study S2 MBA		Commencement of S4 MSc. Project	
4	TUE				
5	WED				
6	THU	Model Lab Exam-S1 MCA			
7	FRI	Model Lab Exam-S1 MCA			
8	SAT	Second Saturday		Second Saturday	
9	SUN	Easter Holidays		Easter Holidays	
10	MON	Easter Holidays		Easter Holidays	
11	TUE	Easter Holidays		Easter Holidays	
12	WED	Easter Holidays		Easter Holidays	
13	THU	Maundy Thursday		Maundy Thursday	
14	FRI	Vishu, Good Friday		Vishu, Good Friday	
15	SAT	Easter Holidays		Easter Holidays	
16	SUN	Easter		Easter	
17	MON			Model Exam for S4 MBA	
18	TUE			Model Exam for S4 MBA	
19	WED			Model Exam for S4 MBA, Commencement of	

				S2 MCA	
20	THU			Model Exam for S4 MBA	
21	FRI			Model Exam for S4 MBA	
22	SAT			Model Exam for S4 MBA	
23	SUN				
24	MON			Commencement of S4 MBA Project	
25	TUE				
26	WED	Commencement of S4 MCA			
27	THU				
28	FRI				
29	SAT	End of OS-S2 MBA			
30	SUN				

May 2017

Date	Day	Activity for MBA 1 st & 2 nd Semester, MCA 1 st 3 rd and 5 th semester regular & lateral entry and Bioscience MSc 1 st and 2 nd semester	Working Days	Activity for MBA 3 rd & 4 th Semester, MCA 2 nd 4 th & 6 th semester regular & lateral entry and Bioscience MSc 3 rd & 4 th semester	Working Days
1	MON	May Day		May Day	
2	TUE				
3	WED				
4	THU				
5	FRI				
6	SAT				
7	SUN				
8	MON				
9	TUE				
10	WED				
11	THU				
12	FRI				
13	SAT	Second Saturday		Second Saturday	
14	SUN				
15	MON	Model Exam-S2 MBA			
16	TUE	Model Exam-S2 MBA			
17	WED	Model Exam-S2 MBA, MII- S2MSc			
18	THU	Model Exam-S2 MBA, MII- S2MSc			
19	FRI	Model Exam-S2 MBA, MII- S2MSc			
20	SAT				

21	SUN				
22	MON	MII S5 MCA (L.E). MII-S2MSc			
23	TUE	MII S5 MCA (L.E), MII-S2MSc			
24	WED	MII S5 MCA (L.E), MII-S2MSc			
25	THU	MII S5 MCA (L.E), MII-S2MSc			
26	FRI	MII S5 MCA (L.E), MII-S2MSc			
27	SAT	MII- S2MSc			
28	SUN				
29	MON	MII S5 MCA (Regular), MII- S2MSc			
30	TUE	MII S5 MCA (Regular), MII- S2MSc			
31	WED	MII S5 MCA (Regular), MII- S2MSc			

June 2017

Date	Day	Activity for MBA 1 st & 2 nd Semester, MCA 1 st 3 rd and 5 th semester regular & lateral entry and Bioscience MSc 1 st and 2 nd semester	Working Days	Activity for MBA 3 rd & 4 th Semester, MCA 2 nd 4 th & 6 th semester regular & lateral entry and Bioscience MSc 3 rd & 4 th semester	Working Days
1	THU	MII S5 MCA (Regular), MII- S2MSc			
2	FRI	Commencement of S2 University Examination, MII S5 MCA (Regular)			
3	SAT				
4	SUN				
5	MON			Commencement of Project-S6 (MCA) Regular& L.E	
6	TUE				
7	WED				
8	THU				
9	FRI				
10	SAT	Second Saturday			
11	SUN				
12	MON				
13	TUE				
14	WED				
15	THU	University Lab Exam-S3 MCA, Two day lecture workshop "Lecture Workshop on Recent Advances in Biophysics"		Two day lecture workshop "Lecture Workshop on Recent Advances in Biophysics"	
16	FRI	University Lab Exam-S3 MCA, Two day lecture workshop "Lecture		Two day lecture workshop "Lecture Workshop on	

		Workshop on Recent Advances in Biophysics"		Recent Advances in Biophysics"	
17	SAT			End of S4 MBA Project	
18	SUN				
19	MON	University Lab Exam-S3 MCA			
20	TUE	University Lab Exam-S3 MCA			
21	WED				
22	THU				
23	FRI	University Exam-S1 MCA			
24	SAT				
25	SUN	Ramsan		Ramsan	
26	MON	University Exam-S1 MCA			
27	TUE	University Exam-S1 MCA			
28	WED	University Exam-S1 MCA			
29	THU	University Exam-S1 MCA			
30	FRI	University Exam-S1 MCA, Model Exam-S2 MSc.			