



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA
Name of the head of the Institution		Fr. Dr. Cherian J. Kottayil
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04692730300
Mobile no.		9605536290
Registered Email		principal@macfast.org
Alternate Email		iqac@macfast.org
Address		Mar Athanasios College for Advanced Studies Tiruvalla, 689101, Kerala, India
City/Town		Tiruvalla
State/UT		Kerala

Pincode	689101																		
<b>2. Institutional Status</b>																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Semi-urban																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	Prof. Varghese Abraham																		
Phone no/Alternate Phone no.	04692730307																		
Mobile no.	9446069036																		
Registered Email	principal@macfast.org																		
Alternate Email	iqac@macfast.org																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="https://macfast.org/wp-content/uploads/2021/06/AQAR-2017-18.pdf">https://macfast.org/wp-content/uploads/2021/06/AQAR-2017-18.pdf</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://macfast.org/wp-content/uploads/2021/06/Academic-Calendar-2018-2019.pdf">https://macfast.org/wp-content/uploads/2021/06/Academic-Calendar-2018-2019.pdf</a>																		
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.08</td> <td>2016</td> <td>11-Jul-2016</td> <td>10-Jul-2021</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.08	2016	11-Jul-2016	10-Jul-2021
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.08	2016	11-Jul-2016	10-Jul-2021														
<b>6. Date of Establishment of IQAC</b>	04-Aug-2014																		
<b>7. Internal Quality Assurance System</b>																			
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by</th> <th>Date &amp; Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries								
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IQAC		
Workshop on Intellectual Property Rights	18-Oct-2018 1	54
Workshop on NAAC new methodologies	19-Nov-2018 2	61
FDP on Business English Communication (BEC)	14-Dec-2018 2	60
Academic Quality Assurance Workshop	07-Mar-2019 1	56
<a href="#">View File</a>		

**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Nishad PM	Science Popularization programme	KSCSTE	2018 365	200000
Biju Dharmapalan	Science Popularization programme	KSCSTE	2016 730	200000
Biju Dharmapalan	Central Sector Scheme	National Medicinal Plants Board	2015 1460	250000
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

Awareness Programmes/Conferences/ Seminars and Workshops: IQAC organised a

programme on Cyber Law and Security Awareness (CLASA) in association with Department of Kerala Police and The Kerala State Council for Science, Technology and Environment (KSCSTE). The IQAC formed a team of trained faculty members and deputed them to conduct such programmes in different schools and colleges. The IQAC organised conferences and seminars focusing on Business Ecosystem and developing curiosity for doing Research in areas related to Science and Technology and workshops on "Intellectual Property Rights" and on "Small Medium Enterprise Development".

**Promotion of Research:** All the faculty members were encouraged to continue their research activities. They were also encouraged to publish research papers in indexed journals, to participate in National/ International conferences, seminars and workshops organized by reputed professional bodies and present papers. The recommendation of the IQAC to provide financial support for involvement in research activities was implemented.

**Governance:** The recommendation of the IQAC to introduce Decentralization in decision making was implemented. The Principal's Advisory Committee was reconstituted as Core Committee with the representation of all the Heads of the Departments and the convenors/ coordinators of different activities. All Academic and Administrative decisions for routine functioning of the college are taken by the Core Committee.

**Social Responsibility:** As part of the social responsibility initiatives, the IQAC organized a "Mini Marathon" highlighting the theme "Rebuild Kerala" in association with Dept. of Kerala Police. This programme was organised to inspire the people of Kerala to resurrect from the impacts of the devastating flood occurred in 2018. The IQAC also initiated an awareness programme for the general public with the involvement of the students to promote their knowledge in using modern technologies in association with the campus community radio Radio MACFAST 90.4. The feedback from the public regarding the programme was commendable.

**Faculty Development Programmes:** Faculty members are encouraged to attend Faculty Development programmes to develop their knowledge in their respective domains. IQAC organized FDP on "New Methodologies for NAAC Accreditation and Assessment Process" and "Quality parameters in Higher Education". An FDP on "Business English Communication" was organized for faculty members for promoting international communications.

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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achievements/Outcomes
Cyber Laws And Security Awareness	Conducted 36 sessions on "Cyber Laws And Security Awareness" at different schools and colleges in Kerala. The programme aims at promoting women empowerment and safety through proper ICT education, promote safe Internet practices among the youth, safeguard the students against the potential

	cyber bullying and identity theft attacks. These sessions were beneficial for around 5000 students.
Identify the Best Practice	Identified MACFAST Bacteriological Water Analysis for Lab to Land (MAC B-WALL) as the best practice for the reporting year.
Research Forum	Started Research Forum for proper dissemination of research and or improving multidisciplinary research. The activities of the forum include discussions, presentations, workshops etc.
Approval for New PG Programme	Identified a new PG Programme on M. Sc. Bio nanotechnology for submitting application to the affiliating university for the commencement of the programme from the next academic year. The faculty team in consultation with external experts prepared and submitted syllabus to the University for approval. Also seeking possibilities for M.Sc. in Data science and M.Sc. in Artificial Intelligence.
MoUs	Signed MoU with ICAR Indian Institute of Horticultural Research for the purpose of promotion of student training and quality postgraduate research in cutting edge areas. Also signed MoU with CFTRI to partner in developing scientific validation of food products, providing internships, expert lecture series and customized training in Food Technology.
Faculty Development Programmes	Organized FDPs by the college and provided financial support to the faculty members for attending Faculty Development Programmes of other institutions. The IQAC also conducted workshops on NAAC Assessment Accreditation processes, New methodologies etc.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Core Committee	24-Feb-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2019
Date of Submission	01-Feb-2019
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The ERP system in the college was developed jointly by the faculty members and the students of the college. The different modules currently operational are: 1) Staff and student registration 2) Students portal 3) Faculty/ staff portal 4) Class management 5) Reports management 6) Library management 7) Administrative Portal

## Part B

### **CRITERION I – CURRICULAR ASPECTS**

#### **1.1 – Curriculum Planning and Implementation**

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The Institution operates its educational programmes only at the Post graduate level. The college is affiliated to Mahatma Gandhi University, and hence, has limited flexibility in the design of curriculum. The college is effectively implementing the curriculum using ICT enabled sessions, so as to transform the students into value driven and professionally competent change agents. For the effective curriculum delivery system, academic calendar is prepared incorporating the curricular, co-curricular & extra-curricular activities. The lesson plans are prepared by the concerned faculty members in the beginning of each academic year. Add-on programmes and certificate courses are also identified at the beginning of the semester to equip students for higher education and better employment. The idea is to awaken curiosity in the minds of the students and train them to think rationally and scientifically and enable them to face the uncertain future. Faculty members render their full service in the curriculum planning workshops, organized by Mahatma Gandhi University and many of them are members of the syllabus revision committees. The heads of the departments periodically review the progress and effectiveness of the curriculum delivery system in tune with academic calendar and lesson plan. Effectiveness is ensured by reviewing the results of the examinations and the feedbacks taken from the stakeholders at regular intervals. The institution has a mechanism for maintaining the documents related to the curriculum delivery system. The academic calendar, lesson plans, mark sheets of internal examinations, grade sheets of assignments and presentations are properly documented. The progress of each student is immediately communicated to their parents so that they could monitor the progress of their wards and can meet the class-in-charge to discuss the academic performance and related issues of their wards.

### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Adobe Photoshop	Nil	28/05/2018	35	Employability	Designing
Android	Nil	12/09/2018	60	Employability	App development
Dot Net	Nil	27/03/2019	60	Employability	Machine language
MS Office Specialist	Nil	01/10/2018	40	Employability	Office management software
SPSS	Nil	01/03/2019	30	Employability	Statistical data analysis

### 1.2 – Academic Flexibility

#### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
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#### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MBA	Nil	01/06/2018
MCA	Regular	01/06/2018
MCA	Lateral	01/06/2018
MSc	Biotechnology	01/06/2018
MSc	Bioinformatics	01/06/2018
MSc	Food Technology & Quality Assurance	01/06/2018
MSc	Biochemistry	01/06/2018
MSc	Phytomedical Science & Technology	01/06/2018
MSc	Plant Biotechnology	01/06/2018

#### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	296	Nil

### 1.3 – Curriculum Enrichment

#### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
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Bridge course	01/06/2018	112
Yes Plus	10/07/2018	112
Communication/ Soft Skill Training	01/08/2018	157
Aptitude training for MBA	01/09/2018	112
Aptitude Training for MCA	22/11/2018	48
Tech Review Sessions	12/12/2018	58
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### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MBA	Null	93
MCA	Regular	18
MSc	M.Sc. Biotechnology	7
MSc	M.Sc. Bioinformatics	8
MSc	M.Sc. Food Technology & Quality Assurance	14
MSc	M.Sc. Biochemistry	3
MSc	M.Sc. Phytomedical Science & Technology	4
MSc	M.Sc. Plant Biotechnology	8
MCA	Lateral	58
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### 1.4 – Feedback System

#### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

#### 1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>The feedback is collected from the stakeholders namely, students, faculty members, parents, alumni and the employers, using structured statistical questionnaires. The responses so collected are processed and analysed using mathematical and statistical tools. The feedback of the students is applied for the improvement of the curriculum delivery system, evaluation process, introduction of curriculum enrichment programs, career guidance and placement related activities and addressing the student's grievances if any. The feedback from the faculty members are analysed to identify the relevance of the syllabus</p>



content and to provide suggestions to the university to initiate syllabus revision. The feedback collected from the parents is utilized for assessing their concerns and strengthening parent - teacher relationships. Based on the feedback of the alumni, the institution introduces add-on courses designed in such a way as to cater to the requirements of the industry and to establish institution-industry linkages. The results of the analysis of feedback from employers enabled the institution to understand the industry requirements, to mitigate the academia-industry gap and for the appropriate revision of the placement policies of the college.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MBA	Nill	120	148	113
MCA	Lateral	96	116	72
MCA	Regular	60	30	18
MSc	Biotechnology	12	18	9
MSc	Plant Biotechnology	20	16	8
MSc	Bioinformatics	20	14	10
MSc	Biochemistry	20	26	18
MSc	Food Technology & Quality Assurance	30	46	30
MSc	Phytomedical Science and Technology	20	11	6

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### 2.2 – Catering to Student Diversity

#### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	Nill	542	Nill	49	Nill

### 2.3 – Teaching - Learning Process

#### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used

49	49	8	16	1	5
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The college has constituted a mentoring group known as MACFAST Mentoring Group (MMG). Each faculty member is entrusted with a group of students for mentoring. The average mentor-mentee ratio is 1:11. The objective of the mentoring system is to provide academic counselling to the mentees to overcome stress and to strengthen their self-confidence. Service of a professional counsellor is also made available periodically to help the students to deal with their personal and psychological issues. Training programmes are given to the faculty members to improve their mentoring skills. The faculty members maintain a Mentoring Diary to record the interactions with their mentees. The mentoring sessions are monitored by the Academic Administrator of the college to ensure its effectiveness. Mentoring sessions at the departmental level is monitored by the HoDs and supervised by the Academic Administrator so as to ensure academic support for students from different socio-economic backgrounds. The faculty members ensure the mental- wellbeing of the mentees by personally involving and addressing specific psycho- socio issues. The programme is designed to safeguard confidentiality and respect for the individuality of the mentee. The mentoring programme enables to build up a closer teacher-student relationship leading to a cordial academic atmosphere.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
542	49	1:11

**2.4 – Teacher Profile and Quality**

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
49	49	Nil	11	14

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Mr. Biju Dharmapalan	Assistant Professor	PT Bhaskara Paniker Science writing Fellowship of KSCSTE
2019	Dr. Ashalakshmi R K	Associate Professor	Best Paper Award, intercollegiate seminar organized by PG Department of commerce on 19th February 2019, MES College, Erumely
2019	Ms. Jerly Akku Cherian	Assistant Professor	Best Paper Award, National paper presentation competition on The Effect of Digital Marketing in India: E-commerce Past, Present and Future. (In

			collaboration with MGU) conducted on 22 Feb 2019., St. Thomas college, Ranni
2019	Mr. Jeevan Kumar	Assistant Professor	Best Paper Award, National paper presentation competition on The Effect of Digital Marketing in India: E-commerce Pat, Present and Future.(In collaboration with MGU) conducted on 22 Feb 2019., St. Thomas college, Ranni
2019	Mr. Jibumon KG	Assistant Professor	Best Paper Award, National paper presentation competition on The Effect of Digital Marketing in India: E-commerce Pat, Present and Future.(In collaboration with MGU) conducted on 22 Feb 2019.St. Thomas college, Ranni
2019	Dr.Treesa Varghese	Assistant Professor	Awarded certificate as reviewer in " The Egyptian Journal of Aquatic Research ( ELSEVIER)" Since January 2019 and in International Aquatic Research ( Springer)" since February 2019
2018	Dr. Sudeep B Chandramana	Associate Professor	Young Researcher Award, Maharashtra Chamber of Commerce, Pune
2018	Dr. Neethu Ann Georgie	Associate Professor	Best Paper Award, 5th International Conference on Emerging Trends in Management organised by Marian International Institute of

Management,  
Kuttikanam on 12th  
13th December,  
2018.

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## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MSc	Biochemistry	4	24/05/2019	10/10/2019
MSc	Bioinformatics	4	24/05/2019	30/10/2019
MSc	Plant Biotechnology	4	22/05/2019	18/09/2019
MSc	Biotechnology	4	12/06/2019	01/11/2019
MBA	Nill	4	08/03/2019	24/12/2019
MCA	Lateral	4	17/12/2019	Nill
MCA	Regular	6	17/12/2019	Nill
MSc	Food technology Quality Assurance	4	20/05/2019	25/09/2019
MSc	Phytomedical Science and Technology	4	24/05/2019	28/10/2019

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

As the college is an Affiliated Institution it has only limited flexibility in initiating reforms in Continuous Internal Evaluation System. The college is following the CIE as per the parameters set by the Mahatma Gandhi University. They are attendance, performance in internal examinations, seminars, assignments and class participation. Apart from the normal examination pattern, online MCQ examinations are also administered. Plus certification: In addition to student's academic performance, the college evaluates the following attributes of students during their period of study. The parameters are: 1. Communication - Oral 2. Communication - Written 3. Leadership 4. Analytical abilities 5. Interpersonal skills 6. Decision making skills 7. Self-confidence 8. Creativity 9. Hard work 10. General awareness 11. Social commitment 12. Punctuality and Regularity The faculty members evaluate the performance of the students based on the above parameters and a Cumulative Grade Point Average (CGPA) is awarded to each student. The college issues a Plus certificate (MBA Plus, MCA Plus and Bioscience Plus) on completion of their Programme.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

At the beginning of each academic year, the college prepares and publishes the academic calendar in accordance with the University guidelines. The academic

calendar includes the proposed dates of commencement and closing of semesters, internal and external examinations, major events related to curricular, co-curricular and extra-curricular activities. It also includes proposed dates of Industrial Visits, Arts festivals, Management festivals, Annual Athletic Meet etc. The unexpected loss of working days is compensated by arranging special classes with prior permission from the Principal so as to ensure that the college is functioning in tune with the academic calendar already prepared. As far as possible, strict adherences to the academic calendar is ensured.

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

[https://macfast.org/wp-content/uploads/2021/06/PO-PSO-CO\\_2018-19-1.pdf](https://macfast.org/wp-content/uploads/2021/06/PO-PSO-CO_2018-19-1.pdf)

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
PHYTOM	MSc	Phytomedical Science & Technology	4	4	100
FT	MSc	Food Technology & Quality Assurance	28	22	78.57
BC	MSc	Biochemistry	14	8	57.14
BIF	MSc	Bioinformatics	5	4	80
PBT	MSc	Plant Biotechnology	4	4	100
BTPG	MSc	Biotechnology	7	6	85.71
Nill	MCA	Lateral	58	46	79.31
Nill	MCA	Regular	18	18	100
Nill	MBA	Nill	93	80	86.02

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## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

[https://macfast.org/wp-content/uploads/2021/07/Student-Satisfaction-Survey\\_18-19.pdf](https://macfast.org/wp-content/uploads/2021/07/Student-Satisfaction-Survey_18-19.pdf)

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding	Total grant	Amount received
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		agency	sanctioned	during the year
Minor Projects	365	Kerala State Council for Science, Technology and Environment (KSCSTE)	200000	95729
Minor Projects	1460	National Medicinal Plants Board	250000	40000
Minor Projects	365	Kerala State Council for Science, Technology and Environment (KSCSTE)	200000	100000
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### 3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Workshop on Intellectual Property Rights, Patent Search and Filing	School of Biosciences	16/10/2018
Entrepreneurship in Life Sciences	School of Biosciences	09/05/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
<b>No Data Entered/Not Applicable !!!</b>				
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
<b>No Data Entered/Not Applicable !!!</b>					
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### 3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
School of Biosciences	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if
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			any)
National	Department of Computer Applications	1	0
International	School of Biosciences	3	1.49
International	Department of Management Studies	6	0
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Department of Management Studies	2
School of Biosciences	3
Department of Computer Applications	1
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Hypericin, an anthraquinone derivative of Hypericum hookerianum and Arn. (Hypericaceae) of Palni Hills, South India, exhibits anti-inflammatory property in lipopolysaccharide-stimulated RAW 264.7 macrophages	Mahendrakumar, M., Seeni, S., Perinbam, K.	Pharmacognosy Magazine	2018	0	Department of Biosciences, Mar Athanasios College for Advanced Studies, (MACFAST), Tiruvalla, Kerala, India	Nil
Toxicological evaluation and oral	Varghese, R., Dalvi, Y. B.,	Research Journal of Life Sciences,	2018	33	Mar Athanasios College for	Nil

glucose tolerance test of Ganoderma applanatum (Pers.) Pat. from Kerala.	Nair, C. K. K., Vaidyanathan, K.	Bioinformatics, Pharmaceutical and Chemical Sciences			Advanced Studies, (MACFAST), Tiruvalla, Kerala, India	
Tumor control by hypoxia-specific chemotargeting of iron-oxide nanoparticle-Berberine complexes in a mouse model.	Sreeja, S., Nair, C. K. K.	Life sciences	2018	33	Mar Athanasios College for Advanced Studies, (MACFAST), Tiruvalla, Kerala, India	3

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Hypericin, an anthraquinone derivative of Hypericum hookeria numwright and Arn.(Hypericaceae) of Palni Hills, South India, exhibits anti-inflammatory property in lipopolysaccharide-stimulated raw 264.7 macrophages	Mahendrakumar, M., Seeni, S., Perinbam, K.	Pharmacognosy Magazine	2018	Nil	Nil	Department of Biosciences, Mar Athanasios College for Advanced Studies, (MACFAST), Tiruvalla, Kerala, India
Toxicological evaluation	Varghese, R., Dalvi,	Research Journal of Life	2018	33	Nil	Mar Athanasios College



and oral glucose tolerance test of Ganoderma applanatum (Pers.) Pat. from Kerala.	Y. B., Nair, C. K. K., Vaidyanathan, K.	Sciences, Bioinformatics, Pharmaceuticals and Chemical Sciences				for Advanced Studies, (MACFAST), Tiruvalla, Kerala, India
Tumor control by hypoxia-specific chemotargeting of iron-oxide nanoparticle-Berberine complexes in a mouse model.	Sreeja, S., Nair, C. K. K.	Life sciences	2018	33	3	Mar Athanasios College for Advanced Studies, (MACFAST), Tiruvalla, Kerala, India

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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	6	1	2	3
Presented papers	Nill	Nill	6	Nill
Resource persons	Nill	Nill	Nill	4

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### 3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Harithamritham	National Service Scheme Unit of the college	25	150
Karuna Sparshanam	National Service Scheme Unit of the college	1	2
Blood Donation Camp	Kerala State AIDS Control Society and Kerala State Blood Transfusion Council	5	21
Hair Donation Camp	National Service Scheme Unit of the college	2	8

Sukrutham 2018	Mahatma Gandhi University	1	52
Asian Waterbird Census	Forestry College, KAU, Thrissur	1	150
Project Happiness	District Administration Pathanamthitta	Nil	2
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
<b>No Data Entered/Not Applicable !!!</b>			
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Environment Awareness programme -Asian Water bird Census	Forestry College, KAU, Thrissur, Forestry Club	Asian Waterbird Census	1	150
NSS Camp	Mahatma Gandhi University, National Service Scheme Unit, MACFAST	Sukrutham 2018	1	52
Hair For Hope, A Hair Donation Programme for cancer patients	National Service Scheme Unit, MACFAST	Hair Donation Camp	2	8
AIDS Awareness	Kerala State AIDS Control Society and Kerala State Blood Transfusion Council and National Service Scheme Unit, MACFAST	Blood Donation Camp	5	21
Organic Farming	National Service Scheme Unit, MACFAST	Harithamritham	25	150
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Validation of Herbal Mouthwash	5 students and 1 faculty	Sami Labs, Bangalore	7
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Advanced training	Macfast Industry Interface	C-DAC	02/02/2018	14/04/2018	Students and Faculty members from MCA Dept.
Internship	Macfast Industry Interface	Jawaharlal Nehru Tropical Botanical Garden and Research Institute (JNTBGRI) Thiruvananthapuram	01/04/2018	30/04/2018	Preena Parvathy, Anooja P
Internship	Macfast Industry Interface	MILMA	03/04/2018	24/04/2018	Silpamary John,
Internship	Macfast Industry Interface	MILMA	01/04/2018	15/04/2018	Ajmal Kallar Moidu
Internship	Macfast Industry Interface	MILMA	01/04/2018	30/04/2018	Anooja Anilkumar, Akshaya C
Internship	Macfast Industry Interface	Kerala State Drugs and Pharmaceuticals Ltd, Alappuzha	01/04/2018	30/04/2018	Anjana J, Shaniya Ali
Project	Macfast Industry Interface	University of Hyderabad	01/04/2018	30/04/2018	BasmaYoosuf
Project	Macfast Industry Interface	Central Tuber Crop Research Institute (CTCRI) Thiruvananthapuram	01/02/2018	30/04/2018	Twinkle Jose, Arya C Mitra, Sona George, Vijesh V

Project	Macfast Industry Interface	National Research Centre for Banana (NRCB) TamilNadu	01/02/2018	30/04/2018	Keerthana Roop
Project work	Macfast Industry Interface	Milma, Kollam Dairy	01/02/2018	30/04/2018	S Fathima Nazeer

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
CFTRI	30/04/2019	1. Partnering for developing scientific validation of food products developed by MACFAST 2. Internship Programs 3. Customized Training in food technology 4. Experts lecture series 5. Policy document/working papers 6. Resource sharing, Networking	10

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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
8456500	8317544

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
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#### 4.2 – Library as a Learning Resource

##### 4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
KOHA	Fully	18.05	2003

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	21222	8207422	2704	1068864	23926	9276286
Reference Books	10368	1121473	250	739295	10618	1860768
e-Books	Nill	Nill	150000	259728	150000	259728
Journals	85	Nill	Nill	118537	85	118537
e-Journals	Nill	Nill	35505	783776	35505	783776
CD & Video	1005	Nill	10	Nill	1015	Nill
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##### 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
<b>No Data Entered/Not Applicable !!!</b>			
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#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	228	180	3	7	0	5	6	55	30
Added	3	0	0	0	0	2	1	0	0
Total	231	180	3	7	0	7	7	55	30

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

55 MBPS/ GBPS
---------------

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
<b>No Data Entered/Not Applicable !!!</b>	

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
33400000	30622194	4000000	3864282

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The college has a set of policies and procedures for maintenance and utilization of physical, academic and support facilities Administrative Council: The Administrative Council with the Principal as the chairman and the Academic Administrator, Chief accounts Officer and Heads of the Departments as members take major decisions pertaining to the maintenance and utilization of physical, academic and support facilities. All the repairs and renovation work is reported to the Administrative Council and executed through appropriate agencies. The major works are executed by inviting quotations or tenders. Maintenance Team: Maintenance team is headed by the Administrator and assisted by the Supervisor. The Supervisor is in charge of undertaking the maintenance of infrastructure facilities, furniture repairs, masonry and plaster works, painting, carpentry, plumbing, gardening and housekeeping. Adequate in-house staff is employed to maintain hygiene and cleanliness on the campus to provide a clean, green and congenial learning environment. Classroom Maintenance: The rooms are cleaned daily, and the repair and maintenance of assets are undertaken on need basis. Library Maintenance: The library is maintained by the library committee headed by the Librarian. The periodical maintenance of the library is done by the maintenance team as per the requirements put forward by the Librarian. Laboratory Maintenance: The Laboratory equipment is procured and augmented as per the curriculum and student's strength. The faculty in-charge of the laboratory is responsible for reporting the requirements periodically. Timely maintenance of the backup system and standby power generator are ensured by the maintenance team. Sports facilities: The sports equipment are maintained under the supervision of the faculty-in-charge The sports committee periodically assess the requirements for daily practices, conducting tournaments and annual Athletic meet. Based on the report the Administrative Council takes steps for timely maintenance and purchase of additional sports equipment, if required. Restrooms: The restrooms for boys and girls are cleaned twice a day. Security Measures: The campus is widely covered through 128 CCTV surveillance cameras which are maintained by the IT wing of the college. Security guards are deployed on campus and hostel 24x7 to ensure the safety of students, staff and physical assets. Fire Extinguishers: Fire extinguishers are placed near to potential fire hazard. Overhead water tanks are connected to hoses which are available to use in emergency situations. Power supply: A generator of 81 kVA power and 390 Solar panels which generates 130 kVA power is installed to ensure uninterrupted power supply. The maintenance is undertaken through AMC (Annual Maintenance Contract). Maintenance of air conditioners, Biogas plant, elevators and computers/networking equipment are done at regular intervals.

<https://macfast.org/wp-content/uploads/2021/06/Maintenance-Policy.pdf>

**CRITERION V – STUDENT SUPPORT AND PROGRESSION****5.1 – Student Support**

## 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Scholarship for socially and economically backward community, Merit Scholarship, Community and Loyalty grant, Scholarship for students from backward districts, etc.	100	2167700
Financial Support from Other Sources			
a) National	E- Grants	19	1571000
b) International	Nil	Nil	0
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## 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Mock placement day training(MBA2018-2020)	07/03/2019	115	Pragmatix and Macfast corporate relations
Outbound Experiential learning programme (OEL)	25/01/2019	115	LEAP Learning Academy, Coimbatore and Department of Management studies
Industry - Academia Innovative Practices	05/11/2018	208	MACFAST corporate relations
Placement Training for Department of Biosciences	04/10/2018	87	Pragmatix
Bridge Courses	28/09/2018	47	Department of Computer Applications
Aptitude training Phase1 MBA(2017-2019) Batch	27/09/2018	93	Pragmatix and Macfast corporate relations
Bridge Courses	17/09/2018	27	Department of Computer Applications
Personal	22/08/2018	81	Department of

Counselling and Mentoring S1			Biosciences
Personal Counselling and Mentoring S3	22/08/2018	68	Department of Biosciences
Personal Counselling and Mentoring	22/08/2018	208	Department of Management Studies
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Aptitude training on 3rd to 5th October 2018 for MCA(2016-19, and 2017-19) batch	Nil	76	Nil	17
2018	NET/GATE/ARS/BET Coaching	31	Nil	2	Nil
2019	Mock placement day and placement training for MBA (2017-2019) Batch on 7th and 8th March 2019	Nil	93	Nil	55
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
4	4	3

**5.2 – Student Progression**

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed



Support Sages/ Servatire Global	49	4	OYO Rooms	19	2
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#### 5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	M.Sc. Food Technology Quality Assurance	School of Bioscience	Kerala University for Fisheries and Oceanic Studies (KUFOS) Panangad	Doctoral Degree
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#### 5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	1
Any Other	1
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#### 5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
MACFIESTA	National	600
Thiruvalla Mini Marathon	District	1120
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### 5.3 – Student Participation and Activities

#### 5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	First Prize in National Amateur Body Builders Association (NABBA) Mr .Eranakulam competition on	National	1	Nill	700348	Arjun T K

	15th December 2018					
2018	First Prize in National Amateur Body Builders A ssociation (NABBA) and World Fitness Federation of India (WFF) Mr.Kerala 2018-19 Co mpetition on 13th February 2019	National	1	Nill	700348	Arjun T K
2018	Best paper award in the Intern ational Conference on Emerging Trends in Management conducted by Marian Internatio nal Institute of Management on 12th and 13th December 2018	Internat ional	Nill	1	100829	Anjali B Joseph
2018	Third Prize in the interc ollegiate Quiz compe tition conducted by Pusphagiri Medical College on 29th September 2018	National	Nill	1	18001100 8154	Tiny Chacko

2019	Second prize in the Management Game conducted by AIMS, Ilahia College on 8th and 9th February 2019	National	Nil	1	180456	Jithesh J B
2019	First prize in the Marketing Game conducted by AIMS, Ilahia College on 8th and 9th February 2019	National	Nil	1	180456	Jithesh J B
2019	Awarded IASc-INSA-NASI Summer Research Fellowship in 2019 at Rajendra Memorial Research Institute of Medical Sciences	National	Nil	1	180011014410	Soumya Thomas
2019	First prize in Polaroid (EP) conducted by Bishop Moore college on February 16th 2019	National	Nil	1	180487	Anil Krishna Anandu
2019	Second Position in National level IT fest conducted by Kristu	National	Nil	1	3540	Jaison James

	Jyoti College on 29th January 2019					
2019	First prize in product launch conducted by Assumptions college (Autonomous) 15th February 2019	National	Nil	1	180440	Gokul S Das
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**5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)**

The student Council is constituted in the college by conducting elections as per the election rules of the Mahatma Gandhi University. The presidential system of election is adopted in the college. The Principal nominate a faculty member as Staff Advisor to the Student Council. The activities of the Student Council commences with the oath taking ceremony organized in the college. The Council aims at promoting social, cultural and artistic talents of the students and to enhance their leadership qualities along with the academic activities. The programmes are scheduled at the meetings of the Student Council. The activities of the Council include conducting arts festivals, tournaments, annual athletic meet, and celebration of various days of National and International importance. The council also take initiatives in participating the students in Inter collegiate, University level and State/National/International level competitions. Major activities of the Students council during the year include: • Coordination of 'Macfiesta' (National level cultural fest) and Dakshina (graduation ceremony) • Organising programmes of National Service Scheme • Thiruvalla Mini Marathon (Public awareness programme organized in association with Kerala Police with the theme "Rebuild Kerala") • Participation in the Campus Community Radio (RadioMACFAST 90.4) Students representation in academic and administrative committees/bodies include : • G N Ramachandran Nair Science Club • Entrepreneurship Development Club(EDC) • Steve Jobs club • Peter F. Drucker Club • Women's Club • Forestry Club • Bird Watching • Internal Quality Assurance Cell (IQAC)

**5.4 – Alumni Engagement**

**5.4.1 – Whether the institution has registered Alumni Association?**

Yes

The Institution has a registered Alumni Association and has a strong and active Alumni engagement. The Alumni network of the college is spread over to different places in and outside the state of Kerala and also in abroad. The network is mainly concentrated in such places as Thiruvananthapuram and Ernakulam in the state of Kerala, Bengaluru in the state of Karnataka and Dubai in UAE. The alumni of these places used to organize region wise meetings at these places. As Thiruvalla is one of the major immigration pockets of Kerala, the Alumni of this college are occupying well placed positions in the countries of the Middle-East. Often they report information about the employment

opportunities in these countries to the Corporate Relations Officer of the college and assist the students in the process of emigration. They also support the students of this college for undertaking projects, corporate internships and placements abroad. The annual meeting of the alumni is organized in the college and discussions are entertained on matters relating to curriculum enrichment Institution - Industry Interactions, Soft skill training, Career counselling etc. The suggestions of the meetings are given due importance in framing the future policies and programmes of the college. The Alumni, especially from outside India used to visit the college and interact with the teachers and students while they are on leave. The Alumni of the college have shown keen interest in attending and sponsoring various cultural programmes and festivals of the college and in attending various programmes broadcasted through the campus community radio, RadioMACFAST 90.4. The feedback from the alumni are given due consideration for scheduling cultural programmes and for designing and broadcasting new radio programmes. The alumni have also actively involved in the Flood Relief activities undertaken by the college during the year.

5.4.2 – No. of enrolled Alumni:

199

5.4.3 – Alumni contribution during the year (in Rupees) :

171850

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meet conducted at Technopark Thiruvananthapuram on 25th May 2019. Forty two members have participated in the meeting. The activities organised by the alumni association includes: • Orientation Programmes • Seminars • Guest Lectures • Career Counselling • Placement Support • Soft skill training

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

In tune with the vision and mission, the college has followed the practice of decentralization and participative management in Academics, Administration (including hostels) and Financial Management. The academic matters are delegated by the Principal to the Heads of the Departments, the students support activities to the NSS Programme Officer, career guidance and placements to the Corporate Relations Officer, management of IT Network systems to the Head, IT Technologies, Accounts and Audit to the Chief Accountant, management of hostels to the concerned Hostel Wardens, management of infrastructure, college co-operative society, safety security system, travel hospitality and upkeep maintenance of the campus etc. to the Academic Administrator. The two practices of decentralization and participative management successfully implemented in the current year are in academic matters and in career guidance and placements. 1. Academic Matters The strategic decisions in academic matters are taken by the Governing Board and Academic Council of the college in its annual general meeting. The college has the practice of convening meetings of the Principal's Advisory Committee at periodic intervals to review the progress in the implementation of these decisions. The College Council constituted with the Principal as the chairperson and the Administrator and Heads of the Department as members, has delegated the authority and responsibility related to academic matters to the concerned Heads of the Departments. The Heads of the Department are vested with the responsibility of preparing academic calendar, timetable, conducting internal evaluations and monitoring lesson plan, teaching

plan, etc. in additions to the routine activities of classroom management, collection of student feedback and maintenance of campus discipline. They are also vested with the responsibility of organizing seminars, workshops and curriculum enrichment programmes of the respective disciplines. A faculty in charge is delegated by the concerned HoD to coordinate the activities related to the continuous evaluations including conducting internal examinations and to maintain related documents. The monthly report of the performance of each department is submitted by the concerned HoDs to the Principal. 2. Career Guidance and Placements. In view of the growing importance of Career Guidance and Placements, a Corporate Relations Office was established and the Corporate Relations Officer is delegated with the responsibility of providing career guidance, arranging skill development programmes and maintaining constant corporate interactions. He is also vested with the responsibility of inviting prospective employers to the campus and organizing On/Off Campus Placement Drives. In consultation with the HoDs, he has to chalk out appropriate programmes to prepare the students to appear for personal interviews. During the period 2018-19 47 companies have visited the campus and 1207 students have participated in the On/Off Campus Placement Drives. A total of 66 students got placement through campus placements during the year.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	The Admission Committee of the college is in charge of undertaking all the procedures related to admissions. Admissions to various programmes are done as per the guidelines of the affiliating University. Details of the programmes offered are published in the prospectus and are also available in the college website. The college has also offered online facilities for submitting the application for admissions and to appear for interview. The admission is on the basis of merit of the concerned category of students.
Industry Interaction / Collaboration	The college has a well-established strategy of promoting Institution - Industry Interaction through MACFAST Industry Interface (MII) programme. The College has entered into research and collaborations with Sami Labs Ltd. Bangalore, C-DAC Thiruvananthapuram, and CFTRI Mysore.
Human Resource Management	The recruitment and selection process is done by the college based on the HR policy. The vacancies of the teaching faculty are reported by the concerned Heads of the Department and that of non-teaching staff by the Administrator to the Principal. The recruitment is done through career notifications in the

college website and advertisements in leading newspapers. The candidates are also allowed to apply online. The shortlisted candidates, after preliminary screening are called for personal interview. Online interview is also promoted by the college based on the need and category of posts.

Library, ICT and Physical Infrastructure / Instrumentation

The College has state-of-the-art infrastructure facilities. The Library and Information Centre is digitalized and upgraded with subscriptions to e-journals and procurement of 3000 new books in the reporting year. The college library is linked to the website of Mahatma Gandhi University to which the college is affiliated and AICTE through the online software KOHA so that easy access to information from these sites is made possible for the students and faculty members.

Research and Development

A Research Forum is constituted in the college for developing research culture among the students and faculty members. This Forum has initiated presentations of research work of the faculty members every month before the forum of faculty members, research scholars and students. Deliberations on the topics are encouraged objectively to identify the research gap and to promote further research. The college is following the policy of providing financial assistance and sabbatical leave to the faculty members for pursuing research leading to Doctoral Degree. The Institution also provides incentives to the faculty members who are interested in undertaking funded projects and patents.

Examination and Evaluation

All examinations are conducted under CCTV surveillance in a separate examination hall equipped with modern infrastructure facilities. The responsibility of conducting internal examinations is vested with the concerned Heads of Department. The college has insisted timely evaluation of the answer books in a transparent and unbiased manner. All the teachers are participating in the evaluation process of end semester examinations.

Teaching and Learning

The college encourages participative method of Teaching and Learning. On the basis of the performance of the students in class participation and in

the first internal evaluation test, the slow learners, average learners and fast learners are identified. The slow learners are given remedial coaching, average learners are supported by counselling and fast learners are given special attention for Quality Improvement. The faculty members are encouraged to attend FDPs organized by prominent Institutions for updating their knowledge and improving their teaching skills. An online feedback system is adopted for evaluation.

**Curriculum Development**

The College has only limited flexibility in curriculum design as it is an affiliated college. However for improving the curriculum development, the college has adopted the policy of encouraging the faculty members to attend the workshops organized by the University for Designing Curriculum and Syllabus Revision. As part of the curriculum development, the teachers prepare lesson plan, academic calendar, organizing training programmes aliened to curriculum enrichment, field visits, industrial visits arranging internships etc.

**6.2.2 – Implementation of e-governance in areas of operations:**

E-governace area	Details
<p><b>Planning and Development</b></p>	<p>The college uses emails, official WhatsApp groups for departments and for the college, online submission of project proposals and ERP with 7 modules.</p>
<p><b>Administration</b></p>	<p>The College is following biometric attendance system for both teaching and non-teaching staff. The monthly attendance report is emailed to the faculty and other staff members. The college encourages all official communications through email. Purchase of library books and IT related equipment through online, digitalization of library and e banking system for financial transactions.</p>
<p><b>Finance and Accounts</b></p>	<p>All the financial transactions are recorded using computerized accounting packages. The fee collections are linked with the authorised bank of the college. Disbursements above Rs.10,000 are through cheque / direct credit to the account holder. E-payment system is adopted by the college for remittance of the contributions of the employees</p>



	towards PF, ESI, Income Tax etc. and disbursement of monthly salary.
Student Admission and Support	The college website provides the details of the Programmes offered and the fee structure. The interested candidates can apply through the Student Portal. The eligible candidates for admission are called for an interview through E-mail and other virtual platforms. Various scholarships are offered by the college based on the fulfilment of the eligibility criteria. Enquiry for admissions and support services are taken up by the Admission Cell.
Examination	The facility of online registration and remittance of exam fees for end semester examinations and downloading of question papers are provided in the college as per the directions of the affiliating University. Semester-wise internal marks are uploaded through the online portal of the University after verification by the Heads of Departments and authorized by the Principal.

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr. Neethu Ann Georgie	5th International Conference on Emerging Trends in Management	Marian International Institute of Management	500
2018	Dr. Sudeep B. Chandramana	13th International Conference on Science, Technology and Management (ISTM-18)	Maharashtra Chamber of Commerce, Pune	1000
2018	Dr. Sudeep B. Chandramana	International Conference on United Nations Sustainable Development Goals (SDGs) - How can Business, NGOs and Educational	Xavier Institute of Management Entrepreneurship, Kochi, Kerala	2000

		Communities Contribute?		
2018	Dr. Jenny Jacob	Tissue Engineering for Medical Applications	Sree Chitra Tirunal Institute of Medical Sciences, Thiruvananthapuram	4000
2018	Dr. Jenny Jacob	International Conference on Traditional and Alternative Medicine	St. Thomas College, Pala	1000
2018	Ebin Thompson	Faculty Development Program, Biocon	BIOCON, Bangalore	6000
2018	Preetha G. Panicker	Five day workshop on SEM: Testing Mediation and Moderation Models	University of Hyderabad	5000

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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Workshop on Intellectual Property Rights	Workshop on Intellectual Property Rights	18/10/2018	18/10/2018	42	12
2018	Workshop on NAAC new methodologies	Workshop on NAAC new methodologies	19/11/2018	20/11/2018	46	15
2018	FDP on Business English Communication (BEC)	FDP on Business English Communication (BEC)	14/12/2018	15/12/2018	48	12
2019	Academic Quality Assurance Workshop	Academic Quality Assurance Workshop	07/03/2019	07/03/2019	49	7

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher

Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Training programme in Safety of Food In Metal and Plastic Packaging, CFTRI (Central Food Technological Research Institute), Mysore,	1	16/10/2018	16/10/2018	1
Workshop on Intellectual Property Rights	42	16/10/2018	16/10/2018	1
NAAC new methodologies	46	19/11/2018	20/11/2018	2
PHP Workshop	15	28/11/2018	29/11/2018	2
Statistical Analysis for Research using SPSS and AMOS conducted by SB College Changanassery	4	30/11/2018	01/12/2018	2
PHP Workshop	15	06/12/2018	07/12/2018	2
Food science quality assurance workshop	14	14/12/2018	14/12/2018	1
Qualifying Workshop as an English trainer for preparing candidates for Cambridge Business English Preliminary by Cambridge University Press (BEC)	48	14/12/2018	15/12/2018	2
Workshop on "Artificial Neural Networks" at CET, Trivandrum	1	22/02/2019	26/02/2019	5
Academic	49	07/03/2019	07/03/2019	1

Quality Assurance Workshop

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
11	11	3	3

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
PF, Medical Insurance Scheme, Free Accommodation, Interest free loan facility, Festival Allowances, Transport Facility, Free medical check-up, Maternity Leave with benefits, Loyalty benefits for the children of Teaching and Non-Teaching staffs, etc.	PF, Medical Insurance Scheme, Free Accommodation, Interest free loan facility, Festival Allowances, Transport Facility, Free medical check-up, Maternity Leave with benefits, Loyalty benefits for the children of Teaching and Non-Teaching staffs, etc.	Merit Scholarships, Scholarship for socially and economically backward community, Community and Loyalty grant, Scholarship for students from backward districts, medical check-up, subsidised canteen facility, Transportation facility to nearby bus stations and railway stations, Special rooms and Rest rooms for differently abled, etc.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The college conducts both Internal and External audits regularly. The internal financial audit is conducted by the internal auditors appointed by the Principal in consultation with the Finance Committee. All the books of accounts are verified with the invoices and vouchers provided to the internal auditors by the accounts department. The internal audit report is submitted to the Principal. The external audit is done by a firm of chartered accountants appointed by the management. Based on the observations in the reports, directions are given to the accounts department and prepares annual budget for the next year.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
METRENDS	75000	MACFIESTA (FEST)
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

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

Audit Type	External	Internal

	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Dr. Jijimon K. Thomas, Principal, Mar Ivanios College Trivandrum, Fr. Dr. Giji Thomas, Dean of Studies, Mar Ivanios College Trivandrum, Accreditation Ambassador Paramarsh Scheme, UGC Peer team member	Yes	IQAC
Administrative	No	Nil	Yes	IQAC

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. Conducted PTA meetings regularly 2. Developed a WhatsApp group for communication 3. Collected feedback from parents as part of the corrective mechanism. 4. Provided placement awareness and sought support from parents.

6.5.3 – Development programmes for support staff (at least three)

1. Orientation training programmes 2. One-day picnic for the staff with their family 3. Rest rooms, drinking water facility etc. 4. Free annual medical check-up 5. Free Accommodation and Mess facility

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Conducted Seminars and workshops on Quality Initiatives 2. Signed MoU with ICAR-National Bureau of Plant Genetic Resources to enhance research, student training etc. 3. Signed MoU with ICA Central Food Technological Research Institute, Mysore to partner in scientific research, student support and progression, faculty development etc. 4. Syllabus framed for M.Sc. Bionanotechnology Programme of the affiliating University 5. Increased the capacity of Solar Power Plant from 30kw to 134kw. 6. Bridge courses to the newly joined students 7. Provided remedial coaching to the below average students. 8. Proposed schemes for protecting the campus eco-friendly in tune with the green initiatives of the college.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Workshop on Intellectual Property	18/10/2018	18/10/2018	18/10/2018	54

	Rights				
2018	Workshop on NAAC new methodologies	19/11/2018	19/11/2018	20/11/2018	61
2018	FDP on Business English Communication (BEC)	14/12/2018	14/12/2018	15/12/2018	60
2019	Academic Quality Assurance Workshop	07/03/2019	07/03/2019	07/03/2019	56

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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Seminar on Gender Equality and Positive Thinking	19/11/2018	19/11/2018	220	140

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
43.08

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	Yes	Nil
Rest Rooms	Yes	Nil
Scribes for examination	Yes	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	Yes	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	Nil	1	06/05/2018	365	Cyber Law and Security Awareness (CLASA)	The programme helped in creating awareness among the students of both inside and outside the institution	3700
2018	Nil	1	02/09/2018	9	Cleaning of streets and houses at the flood affected areas for rehabilitation.	Provided help to the people who were affected by the flood	40
2018	Nil	1	08/09/2018	1	Contribution to the Chief Minister's Disaster Relief Fund (CMDRF)	Contribution to the CMDRF for the rehabilitation of flood affected people	24
2019	1	Nil	14/02/2019	5	Campus Bird Count	Created awareness about the Green and Eco-friendly location of the campus for providing a natural habitat for birds, bu	3

						terflies and bug species. 108 varieties of birds and 79 varieties of butterflies were identified in the campus.	
2019	1	1	01/04/2019	150	Haritha mrutham (Natural Vegetable Cultivation with Natural Fertilizers)	Promoted organic farming of vegetables	150
2019	Nil	1	11/04/2019	1	Hair donation camp for cancer patients	The programme helped in creating Cancer Awareness among public and students	8
2019	Nil	1	18/05/2019	1	Blood Donation Camp in association with Kerala State AIDS Control Society and Kerala State Blood Transfusion Council	The programme helped in creating AIDS Awareness among public and students	21
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Student Handbook	04/06/2018	The Students are provided with a handbook at the time of admission.



		<p>It consists of code of conduct, rules and regulations of the college, use of library, laboratories and hostels.</p> <p>It also provides information regarding faculties, calendar of academic events and extracurricular activities such as National Service Scheme, activities linked to social responsibility, awareness programmes and different clubs and associations functioning in the campus.</p>
<p>Career Guidance and Placement Handbook</p>	<p>06/06/2018</p>	<p>A Career Guidance and Placement Handbook is given to the students at the beginning of the first semester classes. The handbook provides information about their career prospects, selection of specialization, higher studies leading to doctoral degrees and opportunities for placements. The book also includes a list of recruiters in Govt., Quasi Govt. and Private Sector.</p>
<p>Faculty Handbook</p>	<p>08/06/2018</p>	<p>The Faculties are provided with a handbook every year. It consists of the code of conduct, rules and regulations, details of eligible leaves, provisions for availing leaves, annual welfare measures and incentives, terms and conditions for promotions, procedures for disciplinary actions etc.</p>
<p>Placement Brochure for Recruiters</p>	<p>01/10/2018</p>	<p>The Corporate Relations Department prepares the placement brochure of each department for the prospective recruiters in order to promote the placement activities of</p>

the college. A copy of this brochure is given to the students and mailed to all the recruitment partners. It enables the recruiters to have first-hand information about the strength of the institution and the employability credentials of the student so as to enable them to select competent students from this college for placements according to their requirements.

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Cyber Awareness class at St.Marys Malankara Catholic Church, Thottabhogom, Tiruvalla	06/05/2018	06/05/2018	60
Pralaya Keralam (Flood Relief Activities)	16/08/2018	14/11/2018	104
Cleaning of streets and sanitation rehabilitation of houses at the flood affected areas.	02/09/2018	10/09/2018	40
Harithamrutham (Natural Vegetable Cultivation with Natural Fertilizers)	01/04/2019	01/04/2019	250
Hair donation camp for cancer patients	11/04/2019	11/04/2019	30
Ente Vote (Radio Drama)	16/04/2019	16/04/2019	5
Adhya Vote (Radio Drama)	18/04/2019	18/04/2019	5
Blood Donation Camp	18/05/2019	18/05/2019	53

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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. **Solid Waste Management:** The college has an established solid waste management system. Waste bins are kept in each floor, hostels, canteen and other identified spots in the campus. Special care is taken to make sure that

the dead leaves and waste papers are not scattered in the campus as well as in the hostels. Waste Management Mechanism includes: • Segregated Collection • Sorting • Processing • Recycling and Reuse • Disposal of the residue. For segregated collection, bins with different colours are provided at the points of generation (as biodegradable and recyclable) a Green Bin for collecting food wastes, Blue Bin for plastic wastes, and Yellow bin for paper wastes. These segregated wastes are collected from the points of generation on a regular basis by the staff involved in cleaning work. The bio degradable wastes are processed by aerobic composting method through a bio bin (bio trigger mechanism) which is installed at the campus and it produces bio fertilizer. The liquid and major bio degradable wastes from the kitchen of the hostels are collected and processed through the bio gas plants and the gas generated is used for cooking. Non- bio degradable wastes are kept in a separate container for further processing. 2. Waste Water Management: The college has installed a Sewage Treatment Plant in the premises of the boy's hostel, through which the waste water is processed and the treated water is used for gardening. 3. Rain Water Harvesting: The campus has a full-fledged rainwater harvesting facility. As part of the watershed management scheme, the institution has constructed two interlinked ponds in front of the administrative block with a storage capacity of 2,25,000litres of rainwater collected from rooftops. 4. Recharging of Wells: The three wells in the premises of the campus has been cleaned, renovated and reconstructed during the year and the pure natural water is made available. The recycling of these wells has resulted in solving the water scarcity reported in earlier years and enabled to ensure availability of sufficient pure water at all days. 5. Biogas plant: The college has two bio gas plants - one in the campus and the other in the boy's hostel. The plant installed on the campus applies different technologies for treating organic wastes according to the nature and type of waste. The average quantity of bio waste generated is 250 kg per day. 6. Herbal Garden: The Herbal Garden of the college serves the purpose of education, research and conservation of germplasm of medicinal and aromatic plants, different varieties of endangered species, dye-bearing plants and other species of ecological or economic interests.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

1. Title of the Practice : MAC B-WALL (Lab to Land : MACFAST Bacteriological Water Analysis) Objectives of the Practice: The practice has started with the following specific objectives a) To equip the students with scientific methodology in water analysis. b) To ensure the availability of safe drinking water to the students of the college. c) To ensure the availability of safe drinking water to the general public in and around Tiruvalla. The Context: The state of Kerala is blessed with abundant water resources and earlier studies indicate that rural and urban drinking water exhibits alarming levels of physical, chemical and biological contaminants. Bacteriological quality of the water sources are found to be the most severely affected and tend to remain above the accepted levels for drinking water posing a major threat to human health. The major problem encountered in the availability of safe drinking water is the mismanagement of solid and liquid wastes, open defecation and improper methods of industrial effluent disposal. The devastating Floods of 2018 that caused havoc throughout Kerala witnessed drinking water wells overflowing with flood water thereby contaminating the drinking quality of the water. The bacteriological analysis of water samples collected from the selected flooded areas is analysed free of cost. This practice of the college thus aims at ensuring the availability of clean drinking water to the nearby community. The Practice: Drinking Water is collected from the source in clean, sterile sampling bottles and labelled accordingly. The samples were then subjected to presumptive testing for coliform bacteria by the Most Probable

Number (MPN) method. Water samples from all the sources are checked twice a month and variations (if any) in the water quality is dealt with by periodic chlorination of water sources. Water analysis is performed by students of the school of Biosciences under the supervision of two faculty members. Evidence of success: Analysis of drinking water samples collected indicated the high levels of coliform bacteria (>1100 MPN) after the flooding. The results of the analysis enabled the analysts to identify the presence of bacteriological contamination in drinking water and to suggest the measures to rectify the sources of contamination. Periodic checking of the bacteriological quality of water has resulted in creating awareness about the importance of safe drinking water. This practice was adopted in the campus so as to ensure the quality of the drinking water in the campus. Problems encountered and resources required: The major problems encountered include: Limitations in the selection of samples

- Limited lab facilities and lack of previous experience in large scale testing.
- Resources required include: • Glassware and chemicals for the conduct of bacteriological analysis.

2. Title of the Practice: Cyber Law and Security Awareness Programme for the Students of Schools and Colleges in Kerala

Objectives of the Practice: • The following specific objectives have been set for this practice. (a) To familiarise the students with IT Act and cyber laws. (b) To safeguard the students against the potential cyber bullying and identity theft attacks. (c) To educate the students about the risks associated with online games. (d) To promote secure and safe operation of social media. (e) To educate the students on the safe and secure use of mobile banking and e-commerce sites. The Context: Kerala has the highest literacy rate and is the first digital state in India. However, on an average one cybercrime is reported in every two hours as per the records of the police department. This alarming rate of cybercrime is showing adverse repercussions. Among the cases registered as per the NCRB data, 5 is reported from Kerala alone. The steep rise in the cybercrimes over the years demands immediate attention of the authorities to give awareness to the students and parents. The digital technologies offer significant developmental and educational benefits to the students. However the growing access to the use of ICT increases risks of online abuse and exploitation. Hence this practice focuses to educate the students about the possible risks of cyber-attacks while browsing various sites. The Practice: In association with the Kerala police, the college organised the Cyber Safety Awareness Program to the students of schools and colleges in Kerala. The Resource persons from this institution visited the selected schools and colleges and organized seminars on cyber awareness. . In order to give more emphasis to the programme, a MIME show on the negative impacts on the use of Mobile Phones was also conducted. A website on Cyber Law And Security Awareness was launched for educating and to create awareness among the beneficiaries. The Road shows were also conducted on this theme. Evidence of success: Awareness classes on Cyber Law Security were conducted for more than 5000 students of schools and colleges throughout Kerala. It helps the students to equip them with the latest changes in the cyber world. It is expected that organising awareness programmes on cyber laws may eventually results in reducing the cybercrimes. Problems encountered and Resources required: The major problem encountered is the Difficulty in getting slots in schools and colleges due to tight academic schedule was the major. The resources required include ICT enabled class rooms, support staff and conveyance facilities.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://macfast.org/wp-content/uploads/2021/06/Best-Practice-18-19.pdf>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

One of the areas distinctive to the Institutions' vision, priority and thrust is the establishment of a Campus Community Radio (Radio MACFAST 90.4) with full-fledged recording and broadcasting studio. The studio is located in the campus itself for promoting social responsibility initiatives. Radio MACFAST 90.4, as projected in its punch line 'Nattukarku Koottayi' (Community's Companion), strives to be "a partner friend in all the endeavours of the local populace". It gives voice to the voiceless and acts as a centre for social, cultural and national integration. It intends to work towards creating a civil society with a growing sense of community values, irrespective of caste, creed, age, gender and socio-economic backgrounds. The Students are given an opportunity to conduct programmes in the radio as part of the "Earn While You Learn" scheme of the college. Many of the radio programmes are conducted by the students of the college. Such programmes include: Tech-Talk Digital World (Department of Computer Applications), Business Lokham, Nikshepajalakam (Department of Management Studies) and Shashtralokham (School of Biosciences). The major programmes broadcasted by the radio are listed below: Sadvachanam, Subhayathra, Sopanasangeetham, Akashvani News, Local Jobs, Greeting Cards, Rasagulika Sparkler Mozhimuth, Cinema Scope, Medi Talk, Be Positive, Timepass Talkies, Niyama Paadam, Janahitham, Kaappoli Nadankalal, Sthreeshakthi, Sahithya Lokam, Silver Screen Ruchikoottu, Chamayam, Gramophone, Sahithya Lokam, Cinemascope, Pusthakaparichayam, Cocktail, Trending Hits Nattinpuram, Hide Seek, Career Awareness Talk, In Box Mithram, Krishi Jalakam, Songs On Demand, Gasal Ravu Orma Music Celebrities, Nishagandhi, Kilukkam Petti Nilamazha- Old Songs, Sweet Dreams

Provide the weblink of the institution

[http://www.radiomacfast.org/?\\_ga=2.224989720.383370352.1625996567-1613442332.1621916122](http://www.radiomacfast.org/?_ga=2.224989720.383370352.1625996567-1613442332.1621916122)

### 8.Future Plans of Actions for Next Academic Year

- To apply for a new PG Programme in the emerging area of technology (MSc Bionanotechnology).
- To provide coaching and training for preparing the students to appear for competitive examinations like KMAT, CMAT, GATE, NET, Civil Services etc.
- To participate in Swachh Bharat Initiative.
- To organize MOOC Training Programmes.
- To organize Workshops/Conferences/Seminars in emerging areas of Management, Science Technology.
- To enter in to collaborations with reputed institutions for academic interactions and exchange of research resources.
- To upgrade the structure and resources of Library and Laboratories.
- To organize FDP's to strengthen the academic capability and capacity building of faculty members.
- To organize appropriate training programmes for updating quality consciousness and work culture of the administrative and supporting staff.
- To provide opportunities to the prominent Alumni to interact with the students and share their corporate experiences and industry standards.