

Annual Quality Assurance Report (AQAR)

For the Academic Year

2019-2020

SUBMITTED TO

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

NAGARBHAVI, BANGALORE - 560 072, INDIA



Internal Quality Assurance Cell (IQAC)

MAHENDRA ARTS & SCIENCE COLLEGE (AUTONOMOUS)

Affiliated to Periyar University, Salem.

Accredited by NAAC with 'A' Grade

Recognised u/s 2(f) and 12(B) of the UGC Act 1956

Kalippatti Po. - 637 501, Tiruchengode Tk. Namakkal Dt. Tamilnadu.



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		MAHENDRA ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Name of the head of the Institution	Dr. S. ARJUNAN	
Designation	Principal	
Does the Institution function from own campus	Yes	
Phone no/Alternate Phone no.	04288288302	
Mobile no.	9894264220	
Registered Email	principal@mahendraarts.org	
Alternate Email	mahendraarts1999@gmail.com	
Address	KALIPPATTI P.O. TIRUCHENGODE Tk. NAMAKKAL Dt	
City/Town	NAMAKKAL	
State/UT	Tamil Nadu	
Pincode	637501	

2. Institutional Status					
Autonomous Status (Provide date of Conformant of Autonomous Status)			29-Apr-2015		
Type of Institution			Co-education		
Location			Rural		
Financial Status			Self financed		
Name of the IQAC co-ordinator/Director			Dr.K.SELVARAJ		
Phone no/Alternate Phone no.			04288288323		
Mobile no.			9894717781		
Registered Email			iqac@mahendraarts.org		
Alternate Email			iqacmahendra@gmail.com		
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)			https://mahendraarts.org/iqac/AQAR-2018-19.pdf		
4. Whether Academic Calendar prepared during the year			Yes		
if yes,whether it is uploaded in the institutional website: Weblink :			https://mahendraarts.org/naac/contents/naac/Criterion-2/2.3.Teaching-Learning-Process/2.3.4/MASC-CALENDAR-2019-2020.pdf		
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.05	2016	19-Feb-2016	18-Feb-2021
6. Date of Establishment of IQAC			25-Feb-2011		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Timely submission of AQAR to NAAC	14-Mar-2020 1	12
Regular meeting of IQAC	05-Jul-2019 1	12
Regular meeting of IQAC	18-Sep-2019 1	12
Regular meeting of IQAC	10-Jan-2020 1	12
Regular meeting of IQAC	11-Mar-2020 1	12
Syllabus Review Meeting	05-Jun-2019 1	12
Participation in NIRF	18-Nov-2020 1	12
Submission to AISHE data	05-Feb-2020 1	12
Online Feedback Report	27-Mar-2020 2	760
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8. Provide the list of Special Status conferred 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
Biotechnology	FIST	DST	2015 1825	3000000
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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)

? Promotion of OBE modelbased curricular design. ? Preparation of AQAR. ? Academic and Administrative Audit conducted ? Orientation and Training programs organised for Teaching and Nonteaching staff. ? Online Students Satisfaction Survey (SSS) conducted. ? Provision of placement services to students. ? Conduct of faculty sensitization programmes.

[View File](#)

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	Achivements/Outcomes
Revise the syllabi for UG and PG Programmes based on OBE to implement the same from the academic year.	Revision of UG and PG Programmes of 13 and 8 departments respectively through their Board of study during this period. The same was passed duly in the Academic Council Meeting.
Introduction of Add-On Courses for first year students	Four Add-on Courses were introduced for the first year students
Promotion research activities and research publications of the departments and faculty members.	Many faculty members got involved in research activities and are publishing in Scopus, Web of Science and UGC-listed journals
Recognition of the faculty members and students for their academic achievement and performance by presenting them with awards, prizes and certificates.	Faculty members were recognized for their academic and research-related achievements. Students were given mementos, prizes and certificates for their academic performance, co curricular and extracurricular achievements and full attendance in their regular class.
Encouragement to departments to conduct Seminar. Workshops. Training etc. both for students and staffs.	Seminars, Workshops and Training programmes were organized to promote quality, research & development. Also students were encouraged to pursue higher education.
Collection of feedback from students on Teachers' performance in the class.	Online feedback from students in each department at the end of the semester was collected and analyzed. Consolidated reports were sent to the department heads through principal for further remedial actions, if any required.
Extension of science block	The construction is completed in April 2020
Arrangement of various awareness programmes and outreach activities addressing social issues.	Many activities awareness programmes were conducted through Tamilsaral, Men's Cell and Women's cell.

Development Programmes.	Faculty members were facilitated with various FDPs. Workshops. Seminars. Conferences etc. Both on campus and off campus. Soft skills and personality development programmes were arranged for students.				
Participation in NIRF 2020 Ranking	90th position in All India Level NIRF2020				
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Governing Council Meeting</td> <td style="text-align: center;">17-Dec-2020</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Governing Council Meeting	17-Dec-2020
Name of Statutory Body	Meeting Date				
Governing Council Meeting	17-Dec-2020				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2020				
Date of Submission	05-Feb-2020				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	? The Management Information System at Mahendra Arts Science College takes care of the various communication needs of academics and administration. ? This system enables a foolproof mechanism for documenting, monitoring and controlling various transactions which are financial, academic and administrative in nature. ? Student's attendance, continuous internal assessment marks, registration for further programs and purchase of various requirements of departments are effectively and efficiently managed through Management Information System. ? SMS gateway to send important notifications to different stakeholders of the college. ? Installation of more number of notice boards in the campus. ? Updating of the college website with special importance to MIS. ? Communication of important information				

to general public through website and Conventional notices. ? Communication of academic related information and circular through WhatsApp group. ? Students Attendance is recorded and monitored through Management Information System. ? There is a provision for online payment. ? Admission of First year UG and PG students is also done online. ? Installation of OPAC system in college library for better management.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BA	UTA	Tamil	20/06/2019
BA	UEN	English	20/06/2019
BA	UJM	Journalism & Mass Communication	20/06/2019
BSc	UMA	Mathematics	20/06/2019
BSc	UST	Statistics	20/06/2019
BSc	UPH	Physics	20/06/2019
BSc	UCH	Chemistry	20/06/2019
BSc	UBT	Biotechnology	20/06/2019
BSc	UCS	Computer Science	20/06/2019
BCA	UCA	Computer Application	20/06/2019

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BVoc	Food Processing	16/09/2019	Food Processing Technology	16/09/2019
MCom	Commerce	26/07/2019	Advanced Management Accounting - M19PCM02	26/07/2019
MCom	Commerce	26/07/2019	International Business - M19PCM03	26/07/2019
MCom	Commerce	09/12/2019	Advanced Cost Accounting -	09/12/2019

			M19PCM05	
BSc	Mathematics	20/06/2019	Mathematics for Competitive Examinations- M19UMA02	20/06/2019
BSc	Mathematics	20/06/2019	SBEC-I Aptitude Examination - I -M16UMAS01	20/06/2019
MSc	Computer Science	26/07/2019	Mobile Computing - M19PCSE01	26/07/2019
MSc	Computer Science	09/12/2019	Big Data Analytics M16PCSE13	09/12/2019
BSc	Computer Science	09/12/2019	SBEC - IV Desktop Publishing - M16UCAS01	09/12/2019
BCom	Commerce CA	20/06/2019	Income Tax Law & Practises - I - M16UCC15	20/06/2019

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BCom	Commerce (Additional Section)	20/06/2019
BCom	Add on Course Tally With ERP9	19/08/2019
BSc	Add on Course Competency Development Training - Phase -I	19/08/2019
BSc	Add on Course Desktop Publishing	19/08/2019
BSc	Add on Course Mushroom Cultivation	19/08/2019

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BA	Tamil	20/06/2019
BA	English	20/06/2019
BA	Journalism & Mass Communication	20/06/2019
BSc	Mathematics	20/06/2019

BSc	Statistics	20/06/2019
BSc	Physics	20/06/2019
BSc	Chemistry	20/06/2019
BSc	Biotechnology	20/06/2019
BSc	Computer Science	20/06/2019
BCA	Computer Application	20/06/2019
BCom	Commerce	20/06/2019
MA	Tamil	26/07/2019
MA	English	26/07/2019
MSc	Mathematics	26/07/2019
MSc	Physics	26/07/2019
MSc	Chemistry	26/07/2019
MSc	Biotechnology	26/07/2019
MSc	Computer Science	26/07/2019
MCom	Commerce	26/07/2019
MSW	Master of Social Work	26/07/2019
BCom	Commerce C.A.	20/06/2019
BBA	Business Administration	20/06/2019

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
Entrepreneur Skills	09/12/2019	35
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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
BA	Journal & Mass Communication	16
MSc	Biotechnology	18
BCom	Commerce	100
BBA	Business Administration	58
BSc	Computer Science	99
BCA	Computer Application	102
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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

Students' feedback helped the college in more than one way. Primarily their feedback about the teachers' performance inside the class room was very helpful in the assessment of teachers' quality. We were able to find out the strength and weakness of the staff individually and necessary corrective measures were taken. The completion of syllabus on time was ensured. It was found very useful in the revision of syllabus, as their feedback was highly reliable. Equipment of labs and updation of library were done in a more useful way, suiting to their specific needs. The feedback helped the management in the overall infrastructure development. Moreover, their feedback was highly valuable for the introduction of value-added, job-oriented, Add-on, elective and Non major courses. The feedback from teachers came in handy in the assessment of their requirement in the teaching-learning process. It was very helpful in the analysis and improvisation of the evaluation procedure. Their feedback helped a lot in identifying students who were lagging behind in studies and facilitating them in their academic improvement. The feedback of the parents went a long way in increasing the amenities for the students in the campus. The parents started visiting the colleges more voluntarily than before with their ward's academic difficulty which was very useful for the staff in improving the students' performance. Extension of transport facility to a few more places was made after getting their feedback. Based on the Alumni feedback, the curriculum was enriched towards making the students acquire employable skills. Increase in placement training, placement drives and signing MoU with companies are the direct result of the feedback.

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
BA	Tamil	60	35	28
BA	English	120	40	37
BA	Journalism and Mass Communication	60	5	5
BSc	Mathematics	120	36	27
BSc	Statistics	40	19	17
BSc	Physics	80	27	22
BSc	Chemistry	80	58	51
BSc	Bio Technology	80	69	54
BSc	Computer Science	120	126	119
BCA	Computer Application	160	54	35

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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
2019	709	103	34	36	60

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	Number of smart classrooms	E-resources and techniques used
130	130	13	13	7	8

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

? Each Faculty is a mentor for 20 Students. They offer counselling for students regarding their educational and personal problems. At the end of each semester the progress of their wards is apprised to their parents. Parent teacher meeting is arranged periodically. ? The annual seminars and workshops conducted regularly, help in widening the knowledge in the field, promote the students' capacity to interact and communicate with experts in the field. ? IQAC provides information about various Student Support Services available at the institution and other levels. ? To improve communication skill and personality development of the students, a number of seminars and personality development programs are organized in which students are made to meet the challenges in the future. ? In addition to this, each class will have one faculty member as an advisor, who will take care of the students in all aspects like attendance, examinations, discipline, counselling, arranging for extra classes etc., ? Advanced learners help in making the slow learners understand the difficult concept of their subjects. ? Remedial classes are conducted to help the slow learners. ? Student members of the IQAC are encouraged to come out with their views and suggestions for the enhancement of quality of the institution. ? Students Feedback system on class review, infrastructure and other services provided by the institution.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2644	123	1 : 21

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
23	23	0	23	10

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	Dr.M.Iyappan	Assistant	Best Young

	(State Level)	Professor	Scientist Award - Novel Research Academy
2020	Dr.M.Iyappan (State Level)	Assistant Professor	Best Young Faculty - Novel Research Academy
2019	Mr.R.SelvaKumar (State Level)	Assistant Professor	Best Teacher Award - ESN Publication
2019	Mr.R.SelvaKumar (State Level)	Assistant Professor	C. N. Rao Best Young Investigator Award - TNSRO
2019	Dr. R. Sundaramoorthy (State Level)	Assistant Professor	Senthamil Aenthal Award Tamil Sanga Peraivai, Erode.
2019	Dr.S.Balamurugan (State Level)	Assistant Professor	Pavalar Award - Pondicherry Padaippalar Iyakkam
2019	Dr.S.Balamurugan (State Level)	Assistant Professor	Kuralarasu Award - Govt. of Tamilnadu
2019	Mr.S.Sakthivel (State Level)	Assistant Professor	Srinivasa Ramanujan Best Young Investigator Award - TNSRO
2020	Mr.S.Sakthivel (State Level)	Assistant Professor	Best Senior Faculty Award - Novel Research Academy, Puducherry
2019	Dr. V. Shunmugasundaram (State Level)	Assistant Professor	Prasanta Chandra Mahalanobis Best Scientist Award - TNSRO
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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
BA	UTA	VI/2020	30/09/2020	19/10/2020
BA	UEN	VI / 2020	25/09/2020	19/10/2020
BA	UJM	VI / 2020	30/09/2020	19/10/2020
BSc	UMA	VI / 2020	30/09/2020	19/10/2020
BSc	UST	VI / 2020	30/09/2020	19/10/2020
BSc	UPH	VI / 2020	26/09/2020	19/10/2020
BSc	UCH	VI / 2020	25/09/2020	19/10/2020

BSc	UBT	VI / 2020	30/09/2020	19/10/2020
BSc	UCS	VI / 2020	30/09/2020	19/10/2020
BCA	UCA	VI / 2020	30/09/2020	19/10/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
34	2637	0

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://mahendraarts.org/naac/contents/naac/Criterion-2/2.6.Students-Performance-and-Learning-Outcomes/1.%20%20Programme%20and%20course%20outcomes%20for%20all%20Programmes%20offered%20by%20the%20Institution.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
UCA	BCA	Computer Applications	86	86	100
UCS	BSc	Computer Science	112	112	100
UBT	BSc	Biotechnology	87	83	95.4
UCH	BSc	Chemistry	79	79	100
UPH	BSc	Physics	44	44	100
UST	BSc	Statistics	15	15	100
UMA	BSc	Mathematics	87	86	98.85
UJM	BA	Journalism and Mass Communication	15	15	100
UEN	BA	English	55	55	100
UTA	BA	Tamil	36	35	97.22

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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://mahendraarts.org/igac/Online%20Student%20Satisfaction%20Survey.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Dr. T. Selvankumar
View File

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
Nill	NA	NA	Nill	NA
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Nill	0	NA	0	0
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

1

3.3 – Innovation Ecosystem

3.3.1 – 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
Two day workshop on animal cell culture	Biotechnology	13/09/2019
Two day national seminar one nation one election, political, legal and economic perspectives in India	Commerce	05/12/2019
Workshop on Companies Act 2013 and Scope of ACS Course	Commerce	09/01/2020
One Day National level lecture series on Intellectual property rights	Biotechnology Innovation Cell	06/03/2020
One Day National level lecture series on	Biotechnology Innovation Cell	14/03/2020

Entrepreneurs for sustainable development in Agriculture technology		
International Seminar on "Recent Scenario in Biotechnological Innovations"	Biotechnology Innovation Cell	09/03/2020
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3.3.2 – 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
Institution Innovation Cell	Mahendra Arts Science College	MHRDs Innovation Cell	10/10/2019	2 Golden Star
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3.3.3 – 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
Mahendra Arts Science College	Bio-Incubator	Mahendra Educational Trust	Mahendra Agro Farm	Food grade Mushroom Production	23/12/2019
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Tamil	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Tamil	2	0
National	English	2	0
National	Physics	2	0
National	Biotechnology	2	0
National	Bachelor of Business Administration	1	0
International	English	1	0
International	Mathematics	5	5.87
International	Statistics	6	5.87
International	Physics	10	2.91
International	Chemistry	1	2.42
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication

Biotechnology	2
Commerce	1
Business Administration	2
English	4
Tamil	3
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
NA	Nil	0	Nil
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3.4.5 – 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
Rapid biodegradation of chlorpyrifos by plant growth-promoting psychrophilic <i>Shewanella</i> sp. BT05: An eco-friendly approach to clean up pesticide-contaminated environment	Dr. T.Selvakumar	Chemosphere	2020	1	Mahendra Arts Science College	1
Biodegradation of Acid Yellow Using Laccase Produced by <i>Bacillus</i> sp. Strain TR and its In Silico Modeling of the Dye Degradation System	Dr. T.Selvakumar	International Journal of Peptide Research and Therapeutics	2020	0	Mahendra Arts Science College	0

Facile approach for phytosynthesis of gold nanoparticles from Corallocarbus epigaeus rhizome extract and their biological assessment	Dr. T.Selvakumar	Materials Research Express	2020	1	Mahendra Arts Science College	1
Significance of allochthonous brackish water Halomonas sp. on biodegradation of low and high molecular weight polycyclic aromatic hydrocarbons	Dr. T.Selvakumar	Chemosphere	2019	3	Mahendra Arts Science College	3
Effect of citric acid and vermi-wash on growth and metal accumulation of Sorghum bicolor cultivated in lead and nickel contaminated soil	Dr. T.Selvakumar	Chemosphere	2019	6	Mahendra Arts Science College	6
Assessment of Antioxidant, Antibacterial Activities and Bioactive Compounds of the Wild Edible	Dr. T.Selvakumar	International Journal of Peptide Research and Therapeutics	2019	0	Mahendra Arts Science College	0

Mushroom Pleurotus sajor-caju						
Synthesis, spectroscopic characterization and molecular docking study of ethyl 2-(4-(5, 9 -dihydro-6 -hydroxy-2 -mercapto- 4H-purin-8 -ylthio) t hiophen-2- yl)-2-oxoa cetate molecule for the ch emotherape utic treatment of breast cancer cells	Dr. T.Se lvankumar	Chemical Physics	2019	0	Mahendra Arts Science College	0
Production and purifi cation of laccase by Bacillus sp. using millet husks and its pesticide degradatio n applicat ion	Dr. T.Se lvankumar	3 Biotech Springer I nternation al Publishing	2019	1	Mahendra Arts Science College	1
Eco- friendly c ost- effective approach for synthesis of copper oxide nano particles for enhanced p hotocataly	Dr. T.Se lvankumar	Optik, Elsevier Ltd.	2019	5	Mahendra Arts Science College	5

tic performance						
Isolation and Characterization of Conotoxin Protein from <i>Conus inscriptus</i> and Its Potential Anticancer Activity Against Cervical Cancer (HeLa?HPV 16 Associated) Cell Lines	Dr. T.Selvakumar	International Journal of Peptide Research and Therapeutics	2019	1	Mahendra Arts Science College	1

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3.4.6 – 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
Significance of allochthonous brackish water <i>Halomonas</i> sp. on biodegradation of low and high molecular weight polycyclic aromatic hydrocarbons	Dr. T.Selvakumar	Chemosphere	2019	225	3	Mahendra Arts Science College
Rapid biodegradation of chlorpyrifos by plant growth-promoting psychrophilic <i>Shewanella</i> sp. BT05:	Dr. T.Selvakumar	Chemosphere	2020	225	1	Mahendra Arts Science College

An eco-friendly approach to clean up pesticide-contaminated environment						
Biodegradation of Acid Yellow Using Laccase Produced by Bacillus sp. Strain TR and its In Silico Modeling of the Dye Degradation System	Dr. T.Selvakumar	International Journal of Peptide Research and Therapeutics	2020	0	2	Mahendra Arts Science College
Facile approach for phyto-synthesis of gold nanoparticles from Corallocarbus epigaeus rhizome extract and their biological assessment	Dr. T.Selvakumar	Materials Research Express	2020	27	1	Mahendra Arts Science College
Effect of citric acid and vermi-wash on growth and metal accumulation of Sorghum bicolor cultivated in lead and nickel contaminated soil	Dr. T.Selvakumar	Chemosphere	2019	225	5	Mahendra Arts Science College
Assessment of Antioxi	Dr. T.Selvakumar	International Journal of	2019	0	0	Mahendra Arts Science

dant, Anti bacterial Activities and Bioactive Compounds of the Wild Edible Mushroom Pleurotus sajor-caju		Peptide Research and Therapeutics				College
Synthesis, spectroscopic characterization and molecular docking study of ethyl 2-(4-(5, 9-dihydro-6-hydroxy-2-mercapto-4H-purin-8-ylthio) thiophen-2-yl)-2-oxoacetate molecule for the chemotherapeutic treatment of breast cancer cells	Dr. T.Selvakumar	Chemical Physics	2019	1115	0	Mahendra Arts Science College
Production and purification of laccase by Bacillus sp. using millet husks and its pesticide degradation application	Dr. T.Selvakumar	3 Biotech Springer International Publishing	2019	28	1	Mahendra Arts Science College
Eco-friendly cost-effective	Dr. T.Selvakumar	Optik Elsevier Ltd.	2019	57	1	Mahendra Arts Science College

approach for synthesis of copper oxide nano particles for enhanced photocatalytic performance						
Isolation and Characterization of Conotoxin Protein from <i>Conus inscriptus</i> and Its Potential Anticancer Activity Against Cervical Cancer (HeLa/HPV 16 Associated) Cell Lines	Dr. T. Selvakumar	International Journal of Peptide Research and Therapeutics	2019	0	2	Mahendra Arts Science College
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	42	30	6	0
Presented papers	10	21	4	0
Resource persons	0	0	7	0
View File				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Biotechnology	Consultancy Services to prepare proposal for organizing the Mushroom Unit for the production sector	MagizhOrgafit Salem, Ph: 9976786879	20000

Biotechnology	Consultancy service for production of Biofertilizer and vermicompost.	Elies Biotech Pvt Ltd Erode Ph: 919942921613 eliesbiotech@gmail.com	30000
Biotechnology	Consultancy services for Azolla cultivation and preparation of organic manure and diseases management for coconut Tree	TSK Agro Enterprises Monikettipottal Post), Kanniyakumari (Dt). Ph: 9442698005	30000
Physics	Consultancy services for textile coating	Maha Ajay Spinner ,CPS Towers, 6-Advaitha Ashram Road, Opp. New Bus Stand,Salem , Ph:91 4272445521	16000
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
NA	NA	NA	0	0
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3.6 – Extension Activities

3.6.1 – 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
Covid -19 awareness	Tamil	2	5
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3.6.2 – 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
Eye Camp	Recognition Certificate	Lawrence Mayo	670
Swachh Bharat	Recognition Certificate	Swachh Bharat	170
Awareness Rally - Save Rain Save Water	Recognition Certificate	Mallasamudram Police station and Government officials	157
Dengue Awareness Campaign	Recognition Certificate	Govt. Hospital, Mallasamudram	106
View File			

3.6.3 – 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
Awareness	NSS	Save Rain Save Water	2	214
Swachh Bharat	NSS	Clean India programme	2	192
Gender Issues	Youth Red Cross	Orientation Programme	2	180
Health Issues	NSS	Dengue Awareness Campaign	2	175
Awareness	Red Ribbon Club	HIV AIDS Awareness Program	2	160
Awareness	NSS	Prevention and control of eye diseases	2	200
Awareness	Youth Red Cross	Blood Donation Camp	2	241
Swachh Bharat	NSS	Tree Plantation Programme	2	150
Awareness	NSS	Fire and Safety awareness	2	190
Awareness	Citizen Consumer Club	Consumer Awareness Programme	2	169
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Visiting Researcher	C. Sudhakar Assistant Professor in Bio Technology	Research institute of Environmental Science Technology at Kyungpook National University	90
View File			

3.7.2 – 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	Duration From	Duration To	Participant
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		with contact details			
Media Internship Project	Internship project	Dhinamani Newspaper Dharmapuri,	13/05/2019	11/06/2019	A.Jafar, 17BJM1006 M.Latha 17BJM1016
Media Internship Project	Internship project	Vidiyal Channel (TV) Salem	27/06/2019	28/06/2019	P.Bharathi 17BJM1013 V.Renuga 17BJM1018
Media Internship Project	Internship project	Vendhar Channel (TV) Eekkattuthan gal, Chennai	21/05/2019	19/06/2019	E.Ragupathi 17BJM1009 M.Thilakamani 17BJM1021
Media Internship Project	Internship project	Vendhar Channel (TV) Eekkattuthan gal, Chennai	13/05/2019	11/06/2019	M.Thilakamani 17BJM1014
Media Internship Project	Internship project	Tamilan Channel (TV) Koyambedu, Chennai	12/05/2019	10/06/2019	S.Kokila 17BJM1015 G.Yogesh 17BJM1012
Media Internship Project	Internship project	Cauvery Channel (TV) Eekkattuthan gal, Chennai	13/05/2019	11/06/2019	V.Priyadharshini 17BJM1017 P.Yuvaraj 17BJM1011
Media Internship Project	Internship project	Jaya channel (TV) Eekkattuthan gal, Chennai	14/05/2019	12/06/2019	S.Diamon Franko 17BJM1003 M.K.Hariharan 17BJM1011
Industrial Training	In plant Training	Kovai maruthi paper boards (p) ltd, Namakkal.	26/11/2019	10/12/2019	Abish S.A 18BBA1001
Industrial Training	In plant Training	PRS Tyres ltd, Namakkal.	26/11/2019	10/12/2019	Ananthraj M 18BBA1004 Gokulakannan S 18BBA1010 Gopi M 18BBA1011 Hemaraj K 18BBA1012
Industrial Training	In plant Training	ATSM PVC pipes, Namakkal.	26/11/2019	10/12/2019	Bhuvaneshwaran K.S. 18BBA1005
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Elies Biotech, Erode	10/07/2019	Enhance knowledge on biotech entrepreneurial skills, SCP production and provide scope for self employment	44
Division of Biotechnology College of Environmental Bio resource Sciences Chonbuk National University Iksan-570752, South Korea.	28/10/2019	Indo-Korean Research proposal submission and Research articles Publication.	6
Department of Environmental Engineering, Kyungpook National University, 80 Daehak-ro, Buk-gu, Daegu 41566, South Korea	07/10/2019	Research articles published with good impact factor journals.	7
Virtis Bio labs Pvt.Ltd, Salem	16/10/2019	Training in molecular diagnostics. Research on cytotoxicity and tissue engineering.	28
STAR Microlab - Salem	18/09/2019	Microbial Culture Screening and Identification	44
C-CUBE Educare Salem	12/02/2020	Tally for Commerce Students	100
View File			

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
132.65	114.62

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased	Newly Added

during the year (rs. in lakhs)	
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Newly Added
Campus Area	Existing
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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 partially)	Version	Year of automation
Auto Lib Software Systems	Partially	4.0 (SQL Version)	2015

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	31593	9221498	344	113787	31937	9335285
Reference Books	3843	1169424	38	9500	3881	1178924
e-Books	95000	5900	0	5900	95000	11800
Journals	52	53120	0	0	52	53120
e-Journals	6000	0	0	0	6000	0
Digital Database	0	0	0	0	0	0
CD & Video	1648	0	0	0	1648	0
Library Automation	0	26050	0	0	0	26050
Weeding (hard & soft)	0	0	0	0	0	0
Others(s pecify)	18	0	0	0	18	0

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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
Dr. B. Manivannan	Course Management System	You tube	22/07/2019

Prof.V. Priyadharshini	Course Management System	You tube	22/07/2019
Prof. S. Shakthivel	Course Management System	You tube	22/07/2019
Prof. S. Sudha	Course Management System	You tube	22/07/2019
Dr. K. Prabakaran	Course Management System	You tube	22/07/2019
Dr. R. Revathi	Course Management System	You tube	22/07/2019
Dr. P. Nirmala	Course Management System	You tube	22/07/2019
Prof. M. Gomathi	Course Management System	You tube	22/07/2019
Dr. M. Shankar	Course Management System	You tube	22/07/2019
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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	260	3	3	2	1	10	23	4	5
Added	20	0	1	0	1	0	0	0	0
Total	280	3	4	2	2	10	23	4	5

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

25 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
Vallinam Migum and Miga idangal	https://youtu.be/U5ikUCylrkA
Understanding Cinema	https://youtu.be/sThumSK-X8U
Laplace Transform	https://youtu.be/osRerhfP-DU
Correlation	https://youtu.be/Duhte37Yp4I
Semiconductors	https://youtu.be/xBB-bjSLFf4
Substitutional Reactions	https://youtu.be/lkmclqaGib0
Hypersensitivity	https://youtu.be/0X9nWC743Fq
Operators	https://youtu.be/9fhIhZUL6KM
Stress Management	https://youtu.be/DB4VMNyT6wU

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
126.12	122.14	203.54	188.47

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)

The Mahendra Arts Science college ensures the utilization of the available financial resources for the maintenance of different facilities (Laboratories, Classrooms, Centers, etc.,) with the help of various committees constituted for this purpose and using the grants received from the college and other funding agencies as per the requirements based on the interest of students and faculty members. Institutional Website: <http://www/mahendraarts.org> Laboratory Record of maintenance account is maintained by lab technicians and attenders and supervised by HODs of the respective departments. • Repairing and maintenance of sophisticated lab equipments and instruments are done by the technicians of related laboratories. • The instruments and equipments used for various experiments under different disciplines are annually cleaned and maintained by the concerned departments and record of maintenance is maintained by lab technicians and supervised by HODs of the concerned departments. • There is systematic disposal of waste of all types such as bio-degradable chemical and e-waste. Library The requirements of books from the concerned departments are taken yearly basis and Heads are monitoring the process. The finalized copy of required books for each academic year is duly approved and signed by the Principal. • The college Library equipped with special facility for visually challenged students by setting up two computers with INTERNET facility. • Suggestion box has been kept in the library to record feedbacks which helps a lot in introducing new ideas regarding library enrichment. • The proper account of visitors (students and staff) on daily basis is maintained. • Other issues such as weeding out of old titles, schedule of issue, return of books etc are chalked out resolved by the library committee. Sports Maintenance of indoor and outdoor games on the college sports will be conducted and audited by consult coaches. In their guidance accommodates are arranged. Computers Centralized computer laboratory established is available in the college premise. Funds are utilized to maintain the computers in the college. Register maintenance for the computers through respective in charges are done regularly and malfunctioning systems are identified and disposed off. Classrooms The college has a campus committee for maintenance and upkeep of infrastructure. At the departmental level, HODs submit their requirements to the Principal regarding classroom furniture and other. The college development fund is utilized for maintenance and minor repair of furniture and other electrical equipments. With the help of the two full time sweepers cleanliness of class rooms is maintained. They are well equipped with modern tools of cleaning such as mops, gloves and vacuum cleaner.

<https://mahendraarts.org/naac/contents/naac/Criterion-4/4.4/4.4.2.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	Various Schemes	293	1297850
Financial Support from Other Sources			

a) National	SC/ST Scholarship	317	887800
b) International	Nil	0	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
Bridge Course	02/07/2019	709	Department of English
Yoga	24/09/2019	709	Department of Tamil Chemistry
Soft skill Training	27/06/2019	1748	Macro Miracles
Disaster Awareness programme	06/08/2019	260	Department of Commerce
Tally with ERP9	09/08/2019	130	Department of Commerce
Tally - Mid semester Certificate Course programme	25/11/2019	44	Department of Commerce
ICSI Professional Course Awareness Programme	09/01/2020	354	Department of Commerce
Covid -19 Awareness Programme - Online Quiz	20/04/2020	1215	Department of Commerce
Online Career Counseling Programme for Chartered Accountant	28/05/2020	152	Department of Commerce
Webinar on Application of Research Methodology In Social Science Studies.	31/05/2020	447	Department of Commerce
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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
2019	Coaching For	61	0	0	40

	Competitive Examination On Physics				
2019	M-TRACE Tamilnadu Govt Competition Exam Coaching	600	0	0	380
2019	CA Awareness Programme 10-09-2019	0	87	0	40
2019	Opportunities to Young Chemist 16-08-2019	0	67	0	20
2019	ICSI Professional Course Awareness Programme 09.01.2020	0	85	0	10
2020	Online Career Counseling Programme of Chartered Accountants - 28.05.2020	0	70	0	20
2019	Solving puzzle's in three states of matter	0	27	0	10
2019	Guidance For Women Empowerment	0	35	0	10
2019	Carrier opportunities in Physics	0	27	0	10
2019	Job Opportunities in IT Sector 19.07.2018	0	94	0	50

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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
24	24	5

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
13 Different companies	1402	590	Nil	0	0
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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	Department graduated from	Name of institution joined	Name of programme admitted to
2020	10	Tamil	Tamil	In various Institutions	M.A. Tamil
2020	15	Commerce CA	Commerce CA	In various Institutions	M.Com
2020	12	Commerce	Commerce	In various Institutions	M.Com
2020	12	B.C.A.	B.C.A.	In various Institutions	M.C.A.
2020	18	Computer Science	Computer Science	In various Institutions	M.Sc. Computer Science
2020	16	Bio-Technology	Bio-Technology	In various Institutions	M.Sc. Bio Technology
2020	15	Chemistry	Chemistry	In various Institutions	M.Sc. Chemistry
2020	8	Physics	Physics	In various Institutions	M.Sc. Physics
2020	19	Mathematics	Mathematics	In various Institutions	M.Sc Mathematics
2020	23	English	English	In various Institutions	M.A. English
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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
Any Other	3
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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
Kannadasan Vizha competition organised by Tamil department	Institutional level	25

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
2019	Bronze Medal	Internat ional	1	Nill	18BCM1012	M.Ezhilraj
2019	Silver Medal	National	1	Nill	18BCM1012	M.Ezhilraj
2019	Third Prize	National	1	Nill	19BCM1084	K.Santhosh
2019	Bronze Medal	National	1	Nill	18BCM1012	M.Ezhilraj
2020	Silver Medal	National	1	Nill	18BCM1012	M.Ezhilraj
2019	First Prize	National	Nill	1	18BTA1039	R.Pavithra
2020	First Prize	National	Nill	1	18BTA1039	R.Pavithra

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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)

Men's cell and Women's cell are active throughout the year. The activities conducted by Men cell include intra-college competitions and cultural activities. There was a spectacular show of traditional exhibitions. Weavers' Exhibition was the cynosure of all exhibitions conducted. Food Festival reached out all students. Cultural programs were conducted on many occasions as part of conclusion. Women's cell was alive with various activities and skill-oriented training programs. An exhaustive training on Mural art was the eye-catcher among students. The response from the participants was highly encouraging. Motivational programs with renowned personalities like Lawyers and Doctors in chair were conducted successfully. A special session was dedicated to maintenance of personal hygiene. Experienced medical professionals shared their resources, stressing the need for hygienic practices among women. Many students served as volunteers in facilitating on-campus placement drives. Selected students were included in the college anti-ragging committee and they keep monitoring students throughout the year.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The College Alumni Association was formed on 26/08/2013 and registered under Tamilnadu Societies registration act under 1975 (S1/NO. 114.2013 dated 26.08.2013). All the outgoing students of the college are inducted into the Alumni Association. From 2013, Annual Alumni Meets are conducted every year and large numbers of alumni actively participate in the meeting. Alumni Association not only arranges the reunion event, but also carries out the following activities: ? Conducting Career Oriented Programs for equipping the students

for TNPSC and Bank examinations. ? A guest room is allotted where alumni can stay when they visit the college. ? Social networking groups in WhatsApp are formed comprising Principal, Secretary, HODs, and Faculty Members of the department along with alumni. Alumnus post regular updates about placement drives and career opportunities in the group, that are immediately passed to the students both directly and in student Wats App groups. ? Share their knowledge and expertise with current students through motivational talk and inspiring speeches within college premises. ? Act as resource persons in various workshops. Conferences. seminars conducted by the department and ignite the students in their prospective carrier ? Actively involved in Board of studies and extend their valuable suggestions in syllabus reformation according to current trends ? Alumni Entrepreneurs offer vast career openings to the students every year ? Inculcate entrepreneurial skills among students ? Post updates about technical and subject oriented information in social networking sites which are easily shared to the students through faculties -in charge.

5.4.2 – No. of registered Alumni:

1008

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

352800

5.4.4 – Meetings/activities organized by Alumni Association :

1. Department of Computer Science organized Alumni lecture Hands On Training On Cloud Computing And Iot” on 25.09.2019 Chief Guest Mr.Gopinath Rajamanickam, [Batch 2004-2007] Team Leader IT Software RR Donneliey, Chennai. 2. Department of Mathematics Organized a International Workshop on How to handle the LATEX software on 04.10.2019, Chief guests Dr. M. Venkatachalam [Batch 2003-2006], Assistant Professor, Department of Mathematics, Kongunadu Arts and Science College (Autonomous), Coimbatore and Dr. N. Gunasekaran [Batch 2006-2009] , Research Professor, Department of Mathematical Science, Shibaura Institute of Technology, Japan. 3. Department of English organized a State level seminar on Color Chroma in Literature on 03.02.2020, Chief Guest Mr. M. Sooraj Muralidharan [Batch 2007-2010], Founder and Academic Director, Third Eye Foundation, Salem 4. Department of English organized a State level seminar on Virtual Literature and Scope of Literature - Post Lockdown on 14.05.2020, Chief Guest Mr. M. Sooraj Muralidharan [Batch 2007-2010], Founder and Academic Director, Third Eye Foundation, Salem Reference Link: <https://mahendraarts.org/alumini.php>

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)

The principal, being the head of the IQAC assigns different committees after having a detailed consultation with the faculty in order to plan and execute academic as well as administration related policies. The principal, academic co-coordinator and staff members are involved in defining the policies and procedures, framing guidelines and rules regulations pertaining to admission, placement, discipline, grievance, counseling, project development, and library services etc., and effectively implementing the same to ensure smooth and systematic functioning of the institute. The decisions taken are based on the conclusions arrived at the IQAC and various committees. The faculty members have their due representation in the different committees. Every year there is a change in members of the various committees so as to give due exposure to all faculty members. The staff members periodically meet for the celebration of

various programmes. Committees are formed involving the staff and students for conducting the events throughout the year. Academic activities like examination schedule are planned with due consultation with all staff. The faculties share their knowledge in forums such as faculty development programmes. The teaching staff gets acquainted with the latest trends in technology. The principal along with the teaching faculty plan the annual budget of the college. Senior most faculties make the correspondence with the university. The meeting of the college President with the staff at the beginning of every semester reflects the participative style of the Management. Individual department heads meet the faculty members regarding issues related the departments in consultation with the head of the institution. This gives the staff a sense of significance and the HoDs a sense of belongingness. As a result, the quality of the institution sustained.

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
Examination and Evaluation	External valuation, transparency, revaluation, dummy number system, supplementary exams for students those who have overall one arrear and two arrears in the end semester after result publication. Central valuation system for model examinations and feedback from external examiners.
Curriculum Development	Autonomy is provided for the all the departments to prepare and update the syllabus. The Curriculum was prepared based on Objective Based Education with CBCS pattern with special emphasis on the courses like Skill oriented courses, Value added courses, Non Major electives etc., The Board of Studies is constituted once in three years and the meeting for the syllabus revision is conducted once in a year.
Teaching and Learning	Paper presentation, videos, films, ICT learning, lesson plan, log book, internship industrial visit, field trip, project work, assignments and seminars.
Research and Development	Launching research journals incentives for research publication motivation to carry out research work.
Library, ICT and Physical Infrastructure / Instrumentation	• OPAC • Inflibnet • E-Resources
Human Resource Management	Encouragement given to take part in various social and academic activities of the college.
Industry Interaction / Collaboration	MOU with Industries and Institutions ? ICT Academy of Tamil Nadu, Chennai ?

	<p>Division of Biotechnology College of Environmental Bio resource Sciences Chonbuk National University Iksan, South Korea. ? Department of Environmental Engineering, Kyungpook National University, 80 Daehak-ro, Buk-gu, Daegu, South Korea ? Vertis Bio Lab, Salem ? STAR Microlab - Salem ? Elies Biotech, Erode ? C-CUBE Educare, Salem</p>
Admission of Students	<ul style="list-style-type: none"> • Admissions of students are made as per norms of Periyar University, UGC and Government of Tamil Nadu.

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

E-governace area	Details
Student Admission and Support	<p>In the students admission procedure the college uses 'Mahendra Admission Tool' developed by an in house team. The data base of all students admitted in the college is available for ready reference.</p>
Administration	<p>The college uses e-governing system. Students attendance is made online completely. The campus has CCTV cameras at specific points where students movement is high and continuous. Students Online feedback system is followed.</p>
Examination	<p>The Examination cell is well equipped with separate desktop and internet facility for downloading question papers online. There is a separate printer exclusively for printing the question papers. Student data for examination and internal marks of the students are collected by the exam cell through intranet service. The college uses software 'Coxco' for seating allotment for examination and the entire result process.</p>
Planning and Development	<p>At the beginning of the academic year the Heads of the departments submit their budget requirement for the entire year. The principal in turn forwarded it to the management after scrutinization. The management gives sanction to the important items. At the end of the year the detailed report of the academic activities is submitted with all required documents to the principal.</p>
Finance and Accounts	<p>College account is maintained under cash basis of accounting. Fee is collected and entered in the respective</p>

student's account. Daily cash collections and payments are reported to Principal and the management. Class-wise fee receivable and the actual fee received are reconciled after every semester with help of the finance section. Salary of teaching and non-teaching staff is paid through bank. It has been planned to computerize the entire financial management system.

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
2020	Dr.K.Selvaraj	IPR and IP Management organized by RMK Engineering College,Kavarai pettai on 15.05.2020	nil	1000

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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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)
2020	Workshop for Non- Teaching Staff on Technical Management	-	17/02/2020	17/02/2020	20	Nil

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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
FDP on Covid-19 as global crisis: application and appreciation of	1	12/05/2020	14/05/2020	3

language and literature

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
130	130	50	50

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Fee Concession for staff's children • Incentives for publication of Papers 	<ul style="list-style-type: none"> • Fee Concession for staff's Children • Free Uniform for Driver, Sweeper, Lab Assistant 	<ul style="list-style-type: none"> • Merit Scholarship • Fee concession for Class toppers • Fee concession for outstanding Sports students • Free Education for Economically Poor students

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 two types of auditing, one internal auditing and the other external auditing. All bills, vouchers and payments are regularly sent for internal auditing. The audit report is prepared after meticulous scrutinization of all income and expenditures. The finance committee of the college reviews and approves the budget and income, expenditure statements two times a year. External auditing is done once in a year. There is no major objection by the external auditor.

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
Management	424634	Seminar/Workshop/Conference

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6.4.3 – Total corpus fund generated

4000000

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	Experts from other colleges	Yes	Principal and IQAC team
Administrative	No	Nil	Yes	Principal and IQAC team

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

Department wise Parents - Teacher meetings were conducted at least once in a

year. The Teachers have revealed the academic performance of the students, their attendance, discipline etc., to the parents. The feed backs obtained from the parents are used for better functioning of the college. Counseling was given to slow learners with their parents.

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

- Conducted Project programme on MS- Office
- Motivation programme on personality Development
- Safety training programme.

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

- Construction of Herbal Garden
- Implementation of Objective-Based Education (OBE) in the curriculum as per UGC guidelines.
- Participation in the National Ranking organized by various Agencies.
- High contribution of faculty towards qualitative improvement.
- Discernable increase in the number of placements and reputed recruiting companies for on-campus interview.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
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
2019	FDP on Sensitization Program on Online Courses	15/06/2019	15/06/2019	15/06/2019	103
2019	Orientation Programme for UG Students	28/06/2019	28/06/2019	28/06/2019	784
2019	Anti-Ragging Awareness Programme for Students	30/07/2019	30/07/2019	30/07/2019	381
2019	Add on Course Inauguration	09/08/2019	09/08/2019	09/08/2019	85
2019	FDP on Handling students in Digital Era	17/08/2019	17/08/2019	17/08/2019	42
2020	Online Webinar Professional Course Career Counseling	28/05/2020	28/05/2020	28/05/2020	172

	Programme of Chartered Accountants				
2020	Webinar on Application Of Research Methodology In Social Science Studies.	31/05/2020	31/05/2020	31/05/2020	447
2020	E- Conference On Contagious Disease Management: Perspective to COVID-19.	16/04/2020	16/04/2020	16/04/2020	293
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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
Importance of nutrition and health - Comfest-2k19	27/09/2019	27/09/2019	101	180
Women Empowerment programme -Legal awareness programs	21/08/2019	21/08/2019	189	0

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
Environmental awareness is created regularly by way of conducting awareness programmes like Swachh Bharat, say no to plastics, rain water harvesting and tree plantation programmes. On campus activities include maintaining medicinal plants and carbon di oxide mitigation through bamboo garden. By way of extension activity, programmes like dengue awareness, women education, and cleanliness campaign were conducted.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	5
Ramp/Rails	Yes	1

Rest Rooms	Yes	1
Scribes for examination	Yes	2
Special skill development for differently abled students	Yes	3

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
2019	1	1	23/07/2019	1	Save Rain Save Water Awareness Rally in Mallasamudram	Significance of Save rain and save water	214
2019	1	1	27/07/2020	1	Clean India Awareness Program in Mangalam village, Natham	Speech given to general public regarding clean India vision and mission	192
2019	1	1	31/08/2020	1	Save Trees! Save Country! Awareness Program - Mookaneri bird sanctuary park area cleaned by NSS students	Demonstration to given to general public regarding importance of save tree.	124
2019	1	1	06/09/2019	1	Mathematical Model Expo at Government Girls Hr.Sec. School, Attayampat	Mathematical Model Exhibition to Govt, School students for create	90

					ti	interest.	
2019	1	1	26/09/2019	1	Tree Plantation Programme at Salem and Tiruchengode Govt Schools	Trees donated to Govt. Schools in Salem and Tiruchengode	45
2019	1	1	03/10/2019	1	Dengue Awareness Campaign	Articulated the root causes of Dengue fever and how prevent from the dengue fever.	175
2019	1	1	05/10/2019	1	Plastic Awareness Programme at Vennadur	Watchfulness given to local people regarding disadvantages of plastic	27
2019	1	1	12/10/2019	1	Helmet Awareness Programme at Mallasamudram	Awareness to given to general public regarding usage of helmet	32
2019	1	1	19/12/2019	1	HIV AIDS Awareness Program	Awareness given to general public about HIV and AIDS	160
2019	1	1	24/10/2020	1	Fire and Safety awareness for Kalipatti primary School	Preventive measure given to school children regarding fire and safety awareness.	190

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Academic Calendar	14/06/2019	The handbook contains the information such as the vision, mission and quality policy of the college. In addition it outlines the rules and regulations, examination pattern and functionaries of the college. To impart human values and ethics, the college offers related courses namely Human Rights, Yoga and Environmental Studies. Awareness among all the students and staff created through circulars, college website and conducting awareness program.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Disaster Awareness	06/08/2019	06/08/2019	260
Yoga day Celebrations	21/06/2019	21/06/2019	164
Tree Plantation	26/09/2019	26/09/2019	48
Save Rain Save Water	23/07/2019	23/07/2019	142
Clean India programme	27/07/2019	27/07/2019	105
Yoga Practice	24/09/2019	24/09/2019	709
HIV AIDS Awareness programme	19/12/2019	19/12/2019	86
Covid -19 Awareness Programme Quiz	20/04/2020	20/04/2020	1215
Online Quiz Competition On International Workers Day	01/05/2020	01/05/2020	401
A WEBINAR on Employment Scenario- Post Covid 19	09/05/2020	09/05/2020	420

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

Bamboo Garden established in the campus for CO2 Mitigation. ii. Medicinal Plant Garden established in the campus. iii. Safety Disposal of Wastes. iv. Participation in Swachhta Scheme. v. Rain water Harvesting facility. iv. Maintenance of Green house.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

- Most of the students happen to be first graduate students. Their primary aim is getting a job. Hence, the college gives more importance to placement activities in order to make them acquire employable skills. Every year there is a considerable increase in the number of campus placements.
- Financial assistance is extended by the management for deserving students throughout their course. Students are considered for the financial assistance on the strength of their academic performance, excellence in sports and economic background.
- Department of Biotechnology undertook consultancy services. Project in organic farming, mushroom culture and Vermi culture was offered to other college students. Students produced mushroom on campus and generated revenue by selling them outside. Research consultancy was undertaken by sharing the available research resources with other institutions.

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

<https://mahendraarts.org/naac/contents/naac/Best-Practices.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

As mentioned in the vision statement and the quality policy of our institution, the distinctive feature lies in the all-round development of students with good conduct and character. The uncompromising ethical values that our students imbibe during their study form the basis of our students' character. They are taught human values which are fundamental to man-making education. Most of our students are hailing from remote pockets of the twin districts Namakkal and Salem and they are socially and economically backward. As such their exposure is much less compared to the students belonging to urban areas. Hence, the institution starts from the scratch and spare none of the efforts to mould them into responsible citizens. The students learn almost everything from the institution. It is a marathon task to the institution to teach them language skills, besides subject expertise. The institution spares no efforts to infuse a sense of self-discipline into the minds of the students throughout their study. By the time they graduate, they have good conduct and character, ready to take up any social responsibility.

Provide the weblink of the institution

<https://mahendraarts.org/naac/contents/naac/Institutional-Distinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

As the first phase of Autonomous status is going to expire next year, it has been planned to prepare the documents for extension of Autonomy. Preparation of IIQA for the second cycle of NAAC accreditation in 2021 is planned. Compiling of the data for participating in NIRF ranking 2021. In the recent years, there has been a steep increase in the number of students aspiring for competitive examinations. Keeping in view of this fact, it has been planned to introduce new UG courses like B.Sc. Psychology and B.A. Political Science that are related to

competitive examinations.