



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		SREE AYYAPPA COLLEGE, ERAMALLIKKARA
Name of the head of the Institution		Dr. ANIL KUMAR K.S
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04792427615
Mobile no.		9447410591
Registered Email		sreeayyappacollege@gmail.com
Alternate Email		principalsace@gmail.com
Address		Eramallikkara PO, Chengannur, Alappuzha Dt KERALA, Pin.689109
City/Town		Chengannur
State/UT		Kerala
Pincode		689109

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		state			
Name of the IQAC co-ordinator/Director		Prof. K C Prakash			
Phone no/Alternate Phone no.		09447484272			
Mobile no.		9447484272			
Registered Email		sreeayyappacollege@gmail.com			
Alternate Email		principalsace@gmail.com			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		http://www.sreeayyappacollege.ac.in/uploads/downloads/AQAR_2018-192.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		http://www.sreeayyappacollege.ac.in/uploads/downloads/academic_calendar_2019-2021.pdf			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.43	2017	23-Jan-2017	22-Jan-2022
6. Date of Establishment of IQAC			22-Jul-2013		
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		

Walk with scholar	31-Oct-2019 2	30
Students Support Programme	31-Oct-2019 2	80
Establishment of Incubation centre	26-Sep-2019 1	112
Skill development courses	17-Feb-2020 1	102
Regalia International Cultural fest	02-Dec-2019 1	125
International conference	08-Nov-2019 2	212
Students Solar ambassador programme	02-Oct-2019 1	98
Inter university quiz	18-Dec-2019 1	35
Outreach society activities	20-Nov-2019 10	565
Civil services examination coaching	13-Jan-2020 1	128
View File		

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
Nil	NA	Nil	2020 0	0
No Files Uploaded !!!				

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 :

7

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)

1. Purchased a College bus with financial assistance from Travancore Devaswom Board (Management) and College PTA. 2. Started center for Incubation and Entrepreneurship (SACCIE) 3. Started an advance certificate programs on skill development and value added courses 4. Started the renovation project of college womens hostel 5. Organized an orientation program on new NAAC accreditation criteria by a former NAAC peer team member.

[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
Organise an Ayurveda Medical camp for students and public	Conducted on 23.12.2019
Publish the annual News Letter 2019-20 encompassing all achievements and activities.	Published
Remedial measures may be strengthened based on Result analysis .	Remedial measures taken
Strengthen remedial coaching and mentoring system to improve quality of results	Actively implemented
Conduct orientation program for I year students	Organised the event on 19.10.2019
Certificate course on Library and Informatioin Science under Centre for Adult Continuing Education	Successfully completed the course and our student secured I rank in the university examination. The pass percentage is 85%
It was decided to conduct the inaugural ceremony of Silver Jubilee celebrations and an orientation programme with regard to NAAC second cycle of accreditation	Conducted in the month of september 2019
Conduct various courses organised by NPTEL SWAYAM .	5 faculties and 121 students attended the NPTL examination. 47 students completed the course
Conduct INFOFEST 2020	It was conducted in August 2020
Conduct an International conference in the month of February 2019	Dr. Rejiya C.S was nominated as the convener and the Conference was conducted in Nov 2019

[View File](#)

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
College Council and IQAC	31-Mar-2021
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	28-Feb-2020
17. Does the Institution have Management Information System ?	No

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

SREE AYYAPPA COLLEGE is currently having the following mechanisms for effective delivery of curriculum i. Central time table committee/CLMC designs Time Table for all UG, PG programs as per Kerala University norms. It is displayed on notice board and in the College Website. Teachers are informed about their workload and courses for next academic year. This helps them to prepare teaching plan. The lecture plans are recorded in Academic Diary of teachers. Higher authorities monitor the same. Teachers are expected to execute their course deliverables as mentioned in Teaching plan. Teachers refer to the standard reference books prescribed by University along with latest information available through online and other resources for effective implementation of curriculum. At the beginning of an academic session, departmental meetings are held in every department in which the topics in the syllabus are distributed to the teachers after discussion with them. ii. Number of classes for each topic is decided according to the syllabus and credits (PG) assigned to each topic/Group/paper etc. iii. College administration provides a well constructed weekly Routine/Schedule/ time table for each year /semester for both UG and PG classes. Departmental Heads prepare the routine which is approved by the Principal duly. iv. Teachers prepare their lectures according to the syllabus allotted and classes available. v. Classes are held according to the schedule under the supervision of college administration. vi. We have a very rich central library with open access system and many departments have their rich Departmental libraries too for the benefit of the students. A good number of Journals (Science, arts and commerce) are subscribed by our college. Inflibnet(e-books and e-journals) facility is available for teachers and also for the students(2017-18). Our college has registered for NPTEL (National Programme On Technology Enhanced Learning) where students can have the access of e-learning through online Web and Video courses for various streams. vii. We have self-designed Certificate, Skill based and Value added courses focusing on employability enhancement and entrepreneurship development viii. Various

classroom teaching methods based on various needs of different subjects are regularly used for the effective delivery of the curriculum such as a. Chalk and Blackboard method b. ICT-enabled teaching-learning method. c. Use of different softwares. d. Use of Scientific models and charts for effective lecture delivery. e. Distribution of class notes by teachers. f. Group discussion amongst the students during the class. g. Micro-teaching and seminars by students related to curriculum . h. Paper presentation by the students. i. Proper and adequate instrumentation facility is given to the students for their practical classes; j. Need based survey programmes, field works and educational excursions are carried by the departments. k. Project work, dissertations are conducted for fulfilment of their degrees. l. Seminars and special talks by experts are also arranged regularly for advance studies. Guidelines of IQAC and submission of AQAR for Affiliated/Constituent Colleges Page Regular class test, Mid-term examinations, Mid semester examinations, regular assessment in practical classes, viva-voce, are done to keep track on the improvement of the students. Remedial

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Mushroom cultivation and post harvesting technology	Nil	19/12/2019	30	For self employment	Nil
Electronics in daily life: fundamentals and applications	Nil	02/10/2019	30	Nil	Skill development
Microcontrollers and its applications	Nil	17/02/2020	20	Employability	Nil

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NIL	Nil
View File		

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
Nil	Nil	Nil

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

	Certificate	Diploma Course
Number of Students	59	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
PE1551.1 - Health and Fitness Education	03/06/2019	20
IM1551.2 - Life Style Diseases	03/06/2019	21
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BCom	Commerce with Computer Application	52
BSc	Biochemistry and Industrial Microbiology	31
MSc	Computer Science	9
View File		

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>We have developed in house On-line Feedback System software. This mechanism is divided into five categories viz. students' feedback, parents' feedback, alumni feedback, teachers' feedback and employers' feedback. Student feedback is based on two criterions: overall college functioning and teaching learning process. Feedback on overall functioning of the college: it is based on the learning environment of the college, canteen facility, functioning of anti-ragging cell, counselling center, sports facility, infrastructural facilities etc. Teachers Feedback (Teaching and Learning Process) – This feedback covers teaching learning process, punctuality, communication skills, approach towards the students, sharing of innovative ideas etc. We have emphasized on teachers innovativeness, use of ICT in teaching methodologies interactive teaching and students' involvement in learning. We collect individual teachers feedback and analyze it .The analysis is reported to the head of the institution, IQAC, management members for corrective measures and it is communicated to the individual teacher for further improvement. Parents' feedback is based on overall development of their ward and about learning environment in the college as well as imparting value based education in their wards. We have registered alumni association whose feedback is based on role of the college in the development of student personality and employability, academic excellence. Also how the institution has helped them to acquire the life skills. Teacher's</p>

feedback is taken on their views about the curriculum provided by our affiliated University. Also their suggestions on the curriculum are submitted to the parent university. Employers Feedback- We are also taking the feedback on the current curriculum by the employers (Industry Experts) and their views as per the current scenario. Add-on and Value added courses are designed based on this feedback. Placement cell also takes cognizance of this feedback while organizing training sessions.

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
BSc	Bio Chemistry & Industrial Microbiology	32	1120	28
BCom	Commerce with Computer Applications	60	1330	60
BSc	Electronics	32	982	19
BSc	Computer Science	32	1570	19
BSc	Mathematics	20	170	9
MSc	Computer Science	12	180	11

[View File](#)

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	135	11	30	1	3

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
34	34	17	8	8	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)

To assess the learning level of students, the tutor closely interacts with the students to get a better understanding of them. A mentor is appointed by each department on the basis of teacher-student ratio. The

mentors try to keep a good connection with students and provide the necessary guidance and support. Counseling is also provided to the students in time usually in a month and record the same information in the concerned register. There are more than 250 students including PG and UG courses in the institution during the academic year 2019-2020 and 34 mentors as faculty members working in our institution. Students are to be equally distributed to these mentors and the list to be published in department wise. Those selected students are to be given special attention and mentoring so as to make 'To understand and analyze the barriers and problems faced in and outside the campus by each student and support them individually to develop mutual respect, trust, understanding, and empathy and guide them to perform better'. A well-organized mentoring cell will be able to monitor the performances and problems faced by each student and mentor them accordingly to achieve better than they are able to cover up the barriers faced by them. The difficulties faced by the students either academically or personally may be clearly analyzed by the mentors. Mentoring sessions are to be scheduled after the regular working hours on a timely basis. Feedbacks shall be collected at the end of the academic year to monitor the effectiveness of the system.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
418	36	1:12

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
25	20	5	3	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	Dr. R T Ananth Kumar	Assistant Professor	Certificate of Appreciation , SPOC, NPTEL, IIT Chennai, Madras
2019	Dr. Ganga G	Assistant Professor	Award for Best NSS Programme Office, Kerala University
2019	Dr. Remya. L	Assistant Professor	Award for Swatch Bharath Summer Internship Winner
2019	Dr. Ganga G	Assistant Professor	Award for Swatch Bharath Summer Internship Winner

[View File](#)

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
BCom	138 Commerce	Final	08/06/2020	16/09/2020

		Semester		
MSc	648 Computer Science	Final Semester	18/08/2020	31/12/2020
BSc	220 Mathematics	Final Semester	10/06/2020	27/08/2020
BSc	320 Computer Science	Final Semester	06/07/2020	07/09/2020
BSc	248 Bio Chemistry Industrial Micro biology	Final Semester	08/06/2020	16/09/2020
BSc	340 Electronics	Final Semester	30/06/2020	07/09/2020

[View File](#)

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

Our college follows a number of guidelines and methods to carry out a continuous internal evaluation system at the institutional level. After each module is taught in detail, students are informed about the class tests through notice board and circular by well in advance. In addition to this, we are conducting model exams and which are exactly in the same pattern of University of Kerala conducts. For the students, the institution displays all the circulars regarding examination on notice boards from time to time. From the very beginning of the academic year, the entire process evaluation is systematically planned and presented before the students. At the beginning of the lectures, teachers inform the syllabus to the students, its objectives, evaluation scheme, nature of question papers and weight-age of marks for the topics prescribed as per the norms and regulations. In addition to the tests prescribed by the University of Kerala we are conducting evaluation tests such as class test, internal exams and viva voice. Various academic programmes like quiz, objective tests, essay writing and current affair competitions are organized in which students are assessed. Collaborative group work, fieldwork, industrial visiting report and student presentation have been made an essential part of most courses. Remedial, doubt removal session and parent-teacher meeting sessions are conducts followed by the implementation of each activity of continuous evaluation. The date of registration and all the other necessary details regarding summative are conveyed to the students by way of announcement through the public. Final report of the CIE is uploading to university portal as per direction of University of Kerala for the summative evaluation of each semester.

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

As we are one among the affiliated colleges of University of Kerala, we are following the academic calendar prepared and issued by the University of Kerala. Each semester for the respective courses is starting in the same date given in academic calander. Weblink given for the reference as <https://www.keralauniversity.ac.in/academic-calendar>

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://www.sreeayyappacollege.ac.in/course-outcome>

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
340	BSc	Electronics	18	5	28
654	MSc	Computer Science	8	4	50
248	BSc	Bio Chemistry & IMB	25	10	40
138	BCom	Commerce	44	23	52
320	BSc	Computer Science	19	12	63
220	BSc	Mathematics	17	9	53

[View File](#)

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://docs.google.com/spreadsheets/d/1lbCFMYNR-ZDh0WOuUR-dYYlLwyOC0lpegtZK3zfEKfg/edit?usp=sharing>

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 agency	Total grant sanctioned	Amount received during the year
Total	0	0	0	0

[View File](#)

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
A Workshop on PCB Design and Making	Department of Electronics	08/08/2019
Student Solar Ambassador Workshop	Department of Electronics	02/10/2019
Training Programme to School Students on Web Designing	Department of Computer Science	23/10/2019
One Day Training Programme to School Students on Database Management System	Department of Computer Science	11/11/2019

One Day Workshop on Energy Conservation Practices and LED Xmas Start Making	Department of Electronics	20/11/2019
One Day Workshop on Energica- Oorjolsavam	Department of Electronics	14/12/2019
Three Day Workshop Cum Training on Mushroom Cultivation and Field Visit	Department of Biochemistry and Microbiology	19/12/2019
One Day Workshop on Micro controllers and its Applications	Department of Electronics	24/01/2020
Recent trends in Mobile Communications- Seminar	Department of Electronics	18/02/2020
Prospects of Intellectual Property Rights	Research Committee and NSS	22/05/2020

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
NA	NA	NA	Nil	0
View File				

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
1	CENTRE FOR INCUBATION AND ENTREPRENEURSHIP SAC - CIE	SAC	---	---	26/10/2019
-	---	SAC - CIE	Mushroom Cultivation and Post Harvesting Technology	Skill development	17/02/2020
--	---	SAC - CIE	LED Based product design	Skill development Course	02/10/2019
Nil	Nil	SAC-CIE	Apiculture	skill development	21/12/2019
View File					

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

Department of English	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 any)
International	Computer Science	7	2.52
International	Electronics	7	1.48
International	Physics	2	1.37
International	Biochemistry and industrial micro biology	3	0.23

[View File](#)

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
Book Published - Sree Ayyappa College	1
Book Chapters in Edited Volumes- Department of Biochemistry and Industrial Microbiology	1
Proceedings - Department of Computer Science	8
Proceedings - Department of Electronics	2
Proceedings - Department of Biochemistry and Industrial Microbiology	5
Proceedings - Department of Commerce	4
Proceedings - Department of Hindi	1

[View File](#)

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
Security and performance enhancement of fingerprint biometric template using symmetric hashing	Dr. K S Anil Kumar	Computers Security	2020	3	Principal, Sree Ayyappa College	3
SiLearn: an intelligent sign	Dr. Sreeraj M	Journal of Enabling T	2019	1	Department of	1

vocabulary learning tool		technologies			Computer Science Sree Ayyappa College	
VIZIYON: Assistive handheld device for visually challenged	Dr. Sreeraj M	Procedia Computer Science	2020	1	Department of Computer Science Sree Ayyappa College	1
CLadron: AI assisted device for identifying artificially ripened climacteric fruits	Dr. Sreeraj M	Procedia Computer Science	2020	1	Department of Computer Science Sree Ayyappa College	1
SignQuiz: a quiz based tool for learning fingerspelled signs in indian sign language using ASLR	Dr. Sreeraj M	IEEE Access	2019	11	Department of Computer Science Sree Ayyappa College	11
Influence of background oxygen pressure and post - deposition annealing on the structural, morphological, optical and luminescence properties of laser ablated SrWO4 thin films	Dr. S. Suresh	Materials Science in Semiconductor Processing	2019	3	Department of Electronics, Sree Ayyappa College, Eramallikara, Chengannur, Kerala, India	3

Effect of substrate temperature, laser energy and post-deposition annealing on the structural, morphological and optical properties of laser-ablated perovskite BaSnO ₃ films	Dr. S. Suresh	Applied Physics A	2019	2	Department of Electronics, Sree Ayyappa College, Erumalikkara, Chengannur, Kerala, India	2
Photovoltaic Application of Rice Flake-Shaped ZnO Nanostructures	Dr. S. Suresh	Journal of Electronic Materials volume	2020	1	Department of Electronics, Sree Ayyappa College, Erumalikkara, Chengannur, Kerala, India	1
Application of fixator-norator pair in analog circuit design for bandwidth	Dr Rohith Krishnan	Journal of Engineering Science and Technology	2019	1	MG University, Department of Electronics, Sree Ayyappa College	1
Photoresponse investigation of polycrystalline gallium antimonide (GaSb) thin films	Dr. R T Ananth Kumar	American Institute of Physics Advances	2020	1	Dept. of Physics, Sree Ayyappa College	1
View File						

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
--------------------	----------------	------------------	---------------------	---------	---	---

Applicat ion of fix ator- norator pair in analog circuit design for bandwidth	Dr Rohith Krishnan	Journal of Enginee ring Science and Technology	2019	4	1	School of Technology and Applied Sciences, M.G. University
Photores ponse inve stigation of polycry stalline gallium antimonide (GaSb) thin films	Dr. R T Ananth Kumar	American Institute of Physics Advances	2020	5	1	Sree Ayyappa College, Chengannur
Photovol taic Appli cation of Rice Flake- Shaped ZnO Nanostruct ures	Dr. S. Suresh	Journal of Electronic Materials volume	2020	9	1	Sree Ayyappa College, Chengannur
Effect of substrate temperatur e, laser energy and post-depos ition annealing on the str uctural, m orphologic al and optical properties of laser- ablated perovskite BaSnO3 fil ms	Dr. S. Suresh	Applied Physics A	2019	9	2	Sree Ayyappa College, Chengannur
Influence of background oxygen pressure and post - deposition annealing on the str uctural, m	Dr. S. Suresh	Materials Science in Semiconduc tor Processing	2019	9	3	Sree Ayyappa College, Chengannur

orphologic al, optical and luminescence properties of laser ablated SrWO4 thin films						
SignQuiz: a quiz based tool for learning fingerspelled signs in indian sign language using ASLR	Dr. Sreeraj M	IEEE Access	2019	5	11	Sree Ayyappa College, Chengannur
CLadron: AI assisted device for identifying artificially ripened climacteric fruits	Dr. Sreeraj M	Procedia Computer Science	2020	5	1	Sree Ayyappa College, Chengannur
VIZIYON: Assistive handheld device for visually challenged	Dr. Sreeraj M	Procedia Computer Science	2020	5	1	Sree Ayyappa College, Chengannur
SiLearn: an intelligent sign vocabulary learning tool	Dr. Sreeraj M	Journal of Enabling Technologies	2019	5	1	Sree Ayyappa College, Chengannur
Security and performance enhancement of fingerprint biometric template using symmetric hashing	Dr. K S Anil Kumar	Computers Security	2020	Nil	3	Sree Ayyappa College, Chengannur

[View File](#)

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	4	6	3
Presented papers	21	0	0	0
Resource persons	0	0	6	0

[View File](#)

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
ENVIRONMENTAL PROTECTION ACTIVITIES AND CAMPAIGNS 2019-20	BMC, NSS, Unnathbharath Abhiyan Biodiversityclub	3	100
ECO ACTIVITIES	BMC, NSS, Womens club	3	100
HEALTH ACTIVITIES AND CAMPAIGNS	NSS, Science club,	2	100
COVID-19 ACTIVITIES	NSS Band IMB Department	3	100
SWATCH BHARATH MISSION 2019-20	Swachh Bharat Local Unit, SAC, BMC, NSS, Literary Club	3	150
STUDENT SOLAR AMBASSADOR PROJECT (SSA-2019)	UNNATHBHATH ABHIYANSSSSA	3	78
SOCIAL ACTIVITIES	NSS, BMC, Womens Club, , RRC, Unnath bharathabhiyan	4	150
AIDS Awareness	RRC, NSS, Science Club	3	85
LITERARY ACTIVITIES OF THE COLLEGE	Swachh Bharat, Literary Club, NSS, Science Club	5	250
Vimukthi Cell Activities	NSS, Vimukthi Cell	2	85

[View File](#)

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
----------------------	-------------------	-----------------	------------------------------

NSS Activities	Best Unit	NSS Kerala University Level	200
Swachh Bharat Summer Internship Programme	Best Unit	Ministry of Youth Affairs and Sports	30
View File			

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
Medical Camp	Govt Ayurveda District hospital and Sree Ayyappa College	Ayurveda Medical Camp	4	40
Swachh Bharath Abhiyan	SWACHHATHA MISSION	Swachh Bharath Summer Internship Programme	2	30
Water Quality Analysis Test	NSS Swatcha Mission	MPN WATER QUALITY TEST VILLAGE LEVER WATER QUALITY SURVEY	2	15
AWARENESS CLASSES	NSS Women's Study Unit	SANITARY NAPKIN WASTE MANAGEMENT AWARENESS AND PROMOTION OF ECO-FRIENDLY NAPKINS CONDUCTED IN ASSOCIATION WITH ATREE FOUNDATION BANGALORE	3	132
AIDS – Awareness Class	RRC, NSS	HIV Prevention and Management-Awareness Class	2	82
Flood Relief 2019	MLA Office, NSS	Distribution of food and other essential materials to Wayanad	2	83
Medical Camps	PHC	Eye Disease Detection Camp in Connection with Eye Donation Fortnight Celebrations	2	42

Cleaning	NSS Swatcha Bharath	CLEANING KSRTC BUS STATION CHENGANNUR CLEANING PHC CLEANING CHENGANNUR CLEANING COLLEGE	2	57
Implementation	NSS Swatcha Bharath	GREEN PROTOCOL IMPLEMENTATION	2	76
WORKSHOPS	NSS, PHC	WORKSHOP ON LIFE STYLE DISEASE	2	132
View File				

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
Production of Hand Sanitizer	SAC, Technopark-TVM, Mathrubhoomi & Manorama Daily News Paper, Alumni	Technopark, B and IMB NSS SAC Units	15
Student Exchange-Rural Development Programs - RISE	Unnath Bharath Abhiyan, IISER Thiruvananthapuram	Unnath Bharath Abhiyan	7
Solar Lamp, Solar Star - Making, LED Bulb Making	Solar Ambassadors, IIT Bombay and SAC	SAC-CIE and Registration Fees	180
View File			

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
NA	NA	NA	Nil	Nil	0
View File					

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
NA	Nil	NA	0
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
99724	61561

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	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
Classrooms with Wi-Fi OR LAN	Existing
View File	

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
Grandha	Partially	1	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	6788	1373589	641	314445	7429	1688034
Reference Books	271	124479	76	160970	347	285449
e-Books	1224	0	23	0	1247	0
Journals	5	4110	0	0	5	4110
e-Journals	1129	0	57	0	1186	0
Digital Database	5	0	1	0	6	0
CD & Video	53	2630	2	2360	55	4990

Library Automation	1	30000	0	0	1	30000
Weeding (hard & soft)	27	268	0	0	27	268
Others (specify)	8	1816	1	108	9	1924
View File						

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
Nil	Nil	Not Applicable	Nil
No file uploaded.			

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	99	3	0	0	0	11	85	20	0
Added	18	0	1	1	0	1	0	0	0
Total	117	3	1	1	0	12	85	20	0

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

20 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
Nil	Nil

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
899155	620330	427159	400363

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)

In purchasing, utilizing and maintaining the equipments, the college follows the systematic procedures. 1. Laboratory 1(a) Laboratory Maintenance ??In all departments, Stock Register is maintained to enter all details. ??In each department trained lab-assistants are appointed. ??The Principal appointed a

committee to verify the internal stock. Various actions were considered based on the committee's recommendations. ??In every academic year, the labs were painted and the materials were maintained regularly. ??Based on annual maintenance contract, the equipments and instruments are serviced. 1(b) Laboratory Utilization ??Based on lab timetables. ??Based on the available theory subjects, the practical papers were suitably supplemented. 2. College Library 2 (a) College Library and its Maintenance ??On all working days, the college Library works between 09:00 am and 05:00 pm. ??The library stocks are done based on the subject books, reference books, computers and books of competitive examinations. ??On every year, the stock verification is carried out internally. ??The arrangement of books in the library is based on call numbers in their corresponding subject rack. ??A register is maintained to record the attendance of users in the library. ??In the reference sections, the thesis of U.G and P.G are maintained. ??The availability of books is checked with the help of the software available in the computer. ??Suggestions given by the Library committee are discussed once in a year. 2 (b) Utilization of Library ??In the library notice board, the newspaper clippings about jobs, admission notice, college news etc are made available. ??The library is made digital and the e-books or e-journals can be downloaded using the available computers in the library. ??A separate reading space is made available for referring periodicals of books which are used to prepare for competitive examinations like Bank exams, KPSC, UPSC, NET, SET etc. ??The students and faculty can borrow books from the library using the library ID cards. ??Scanning, printout facility from the internet are made accessible to the students. ??Inverter facility is available for backup of computers. 3. Sport Complex 3 (a) Maintenance of Sport Complex ??For the purchase and safeguarding of sports items a systematic procedure is maintained by adopting a register. ??The available one Physical Education Faculty will direct the students to participate in sports activities by training them in proper channel regularly. 4. Class rooms 4 (a) Maintenance of Class rooms ??In every academic year, the infrastructure such as furniture, painting, electrical facilities in the class room are checked regularly. Maintenance works are carried out if needed and the details are entered in a register available at the main office. 5. Computers 5 (b) Utilization of Computers ??The stock verification for the available computers are done separately in each department academically. ??The proper servicing of UPS, battery, computer accessories are done each year if needed and the details are maintained in a register available in each departments. ??Utilization of the computers by the students are entered in the log book.

<https://www.web.sreeayyapcollege.ac.in/uploads/downloads/policy-infra.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	MERIT/PTA/ALUMNI	58	59500
Financial Support from Other Sources			
a) National	University Merit/obc/sc	5	25795
b) International	Nil	Nil	Nil

[View File](#)

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
IAS orientation class	13/01/2020	150	Amritha civil Service Academy Ayudh Thiruvalla
Bridge Course UG	21/01/2020	28	Department of Biochemistry Industrial Microbiology
Bridge Course UG	16/01/2020	16	Department of Electronics
Smart phone technology Course (Screenage 2020)	15/01/2020	65	Militia Smartphone Research Centre
Bridge Course PG	06/01/2020	10	Department of Computer Science
Bridge Course UG	06/01/2020	19	Department of Computer Science
Student support programme	30/10/2019	80	Department of collegeiate education, Govt of Kerala
Mentoring	16/09/2019	450	Departments
Remedial Coaching	16/09/2019	100	Departments
Yoga	21/06/2020	50	Pythrik School of yoga
View File			

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	Career counselling scheme of the College	Nil	37	Nil	7
View File					

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
19	15	10

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
Pulse Hitech laboratory, Placement drive in association with DDU-GKY	8	2	6D technologies Litmus7 Systems Consulting (P) Ltd KANTAR, A Global Leader in Market Research Birla Institute of Technology and Science), pilani Claysys Deloitte CSS Crop Muziris Envestnet Yodlee TCS CTS Infosys CTS for B.Com WIPRO Zolostays TCS Nati	72	7
View File					

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	6	UG	BCOM COMMERCE WITH COMPUTER APPLICATION	St. Mary's College Thiruvalla, Sert chengannur, Kerala university (Distance Education) Mcom : Imperial college Mavelikara (MG University),	MCOM, MBA
2020	6	UG	MATHEMATICS	S.N.M College, Maliankara, Ettumanoorapan College,	MSc Mathematics

				University of Kerala, BJM Government College, Chavara, DB Pampa College, Parumala	
2020	2	UG	ELECTRONICS	Cochin university of science and technology	MSc Electronics
2020	3	UG	COMPUTER SCIENCE	CUSAT, Cochin, Saingrits, Kottayam, Sree Ayyappa College Chengannur	MCA , MSc Computer Science
2020	1	PG	COMPUTER SCIENCE	Birla Institute of Technology and Science, Pilani	Ph D
2020	10	UG	BIOCHEMISTRY & INDUSTRIAL MICROBIOLOGY	University of Kerala, Karyavattom campus, School of Biosciences, MG University, St. Thomas College Pala, St marys College, Thiruvalla, St Xaviers College, Aluva, Indira Gandhi College of Arts & Science, Kot hamangalam	MSc Biochemistry & MSc Microbiology
View File					

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	51
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
SPORTS	COLLEGE	150
ARTS	COLLEGE	170
INTERNATIONAL Culture Fest Regalia 2019	International	200
View File		

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	UNIVERSIT SECOND PRIZE	Nill	Nill	1	34018135005, 34018135019, 34018135015, 34017135016,	Aswin S Nair, Sudhev, Aravind Rangan, Rajshekhar Nair,
2019	University Youth Festival(Second) Vanchippattu	Nill	Nill	1	32017135018	Manu K Madhu
2019	University Youth Fe	Nill	Nill	1	32019135013	Jayakesh J
2019	University Youth Festival(Second prize)Story writing Hindi	Nill	Nill	1	24819135028	Suanaina Nair SS
2019	University Youth Festival(Second prize)Essay writing Hindi	Nill	Nill	1	24819135028	Suanaina Nair SS
2019	University Youth festival(Third prize)Collage	Nill	Nill	1	24819135002	Amijith R Kumar

2019	Mathrubhoomi Campus Literary Quiz(First)	Nil	Nil	1	32019135014	K S Sarika
2019	Inter University Recipe Competition (First)	Nil	Nil	1	32019135014	K S Sarika
2019	Rivers for Future Essay Competition/ National Seminar	Nil	Nil	1	32019135014	K S Sarika
2019	University Youth Festival(Second)	Nil	Nil	1	32019135014	K S Sarika

[View File](#)

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

STUDENT COUNCIL REPORT 2019 -2020 The student council conducted a number of different type of activities for the academic year 2019-2020. We started the year with the student introduction programme. The purpose of the programme was to welcome the first year students and to introduce them to different activities conducted in the college that was an interactive programme the students showcased through dance, music, etc. The students were also provided information about different committees in college like the Student Council, NSS, Red Ribbon, Sports, etc. Council members helped in organizing different programmes of the club. Club activities provide students with a platform to take part in different activities dance, music, drama, short film making, etc. Students council helped in conducting Onam celebration, Christmas celebration, Arts day celebration, Sports Day, Women's day celebration, etc., in which students are to encouraged to showcase their different talents. Student Council members also take up activities like conducting blood donation camp in association with NSS, Arrangement of students to participate in University Kalolsavam and selection of students for different item of sports by conducting Sports Day. The students have also having representation in an initiative conducted in Higher Education of Kerala - Walk With a Scholar Programme.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

97

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

109500

5.4.4 – Meetings/activities organized by Alumni Association :

- i) Meeting to plan the Alumni Meet, Smritippookkalam 2019 ii) Smritippookkalam 2019 and Guru Sangamam(September 14 2019) iii) Susmriti Scholarship Distribution iv) Executive committee meeting with newly elected members. V) Department of Biochemistry Industrial Microbiology- 2015 batch Alumni meet(September 1st 2019) Vi) Department of mathematics- Alumni meet (August 28 2019)

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)

Decentralization The institution has a mechanism of providing operational autonomy to various functionaries in order to ensure a decentralized governance system. 1. Principal Level The administrative and intellectual head and chair of the IQAC is the principal. In consultation with the Teachers Council, the Principal nominates various committees to prepare and execute the various academic, student administration and related policies. The joint decision of the Governing Body, the IQAC and the College Council is the basis of all academic and organizational policies 2. Faculty level Members of the faculty are served in various committees/cells assigned by the council of the institution, in the governing body, in the IQAC and other committees. The structure of the various committees is changed every year to ensure a consistent exposure of the faculty members roles for instructional and professional advancement. The following are the numerous sub-committees that college has named(2019-20): Admission committee Examination -committees CLMC sub-committee Planning Board Anti Ragging cell PTA Career Guidance Purchase Technical Research Website Magazine CACEE IETE Sports SSP/WWS FOSSCELL NSS Red ribbon VIMUKTHI Women's study unit Science club Staff club ASPIC Student level The Chairman of the Students Association of the Union is a member of the governing body. In multiple events, students are encouraged to play a significant part. Decentralization is further reinforced by the operation of separate student position (listed below). ? Vice Chairperson ? General Secretary ? University union Councillor ? Arts Club Secretary ? Sports Secretary Non-teaching staff level Non-teaching staff are represented in the governing body and the IQAC. Suggestions of non-teaching staff are considered while framing policies or taking important decisions Participative management The institution promotes the culture of participative management at the strategic level, functional level and operational level. ? Strategic level: The Principal, College Council, and the IQAC are involved in defining policies procedures, framing guidelines and rules regulations pertaining to admission, examination, discipline, grievance, support services, finance etc ? Functional level: Faculty members share knowledge among themselves, students and staff members while working for a committee. Principal and faculty members are involved in research and have published papers ? Operational level: The Principal interacts with the University and external agencies faculty members maintain interactions with the concerned departments of the affiliating university. Students and office staff join hands with the Principal and faculty for the execution of different academic, administrative, extension related, co- and extracurricular activities

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

Partial

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	<p>In the year 18-19 also admission process was initiated with the notification by the university • A committee was constituted consisting of Teachers and Administration staff in the month of April • Helpdesk was operational in the College portico during admission days to help aspirants and their parents. • The application fee was collected as per government norms through an online facility arranged in the Helpdesk. • The pre-admission procedure was conducted through the online portal of the university Index marks were calculated strictly following the University norms. • On the day of admission, the Principal briefed about the various activities and the rules and regulations to be followed in the campus. The coordinators of NSS, NCC, CSA and IQAC gave orientation to students.</p>
Industry Interaction / Collaboration	<p>All the UG and PG Departments completed their industrial visits and made reports • College invited industrialists especially the alumni to interact with students • Students were given opportunity to do their project and dissertation work in many industrial and service sectors</p>
Human Resource Management	<p>• Important decisions are made in the College Council of which the meetings are conducted every month or as and when required. • Teaching staff reports directly to the Head of the Departments and then to the Principal. • Principal assesses the talents and interests of newly appointed staff and at the beginning of the year various responsibilities are assigned to faculty members as coordinators of various clubs and forums. • Necessary training was given with the help of senior faculties. Newly appointed NSS Program Officer was sent for training to the Empanelled Training Institute. • Principal convenes the meetings of Clubs and Forums and evaluates the performance. At the end of Academic year, reports are collected from coordinators and the performance is evaluated.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>Department wise Book Sections with barcoding facility (Collection of 7000</p>

books, nearly) Additional 1000 books were purchased for newly started departments • Facility to take photocopies in the Library was revamped. • Five additional computers were installed to provide Internet connectivity and the service of library staff to help in downloading articles required for assignments, projects and research • Access to e-journals, e-books from internet and DELNET/INFLIBNET journals Readers Club was initiated this year with members from the Teaching staff, Students, Librarian, and Department of Library Science. ICT • Additional computers, LCD projector, Printer were installed in newly formed departments. • All Final year degree class rooms were equipped with LCD projectors • Administrative Office, Principals Office and IQAC are connected through Local Area Network. • Additional Routers were provided in newly formed departments. • Browsing facilities are provided exclusively for students at internet café and library. PHYSICAL FACILITIES • Construction of new hostel rooms in Women's hostel • Proposal for new computer lab for the commerce department

Research and Development

The Research Assessment Committee constituted in College consists of faculty members who are actively involved in research. • Assisted departments to apply for financial support for conducting International and National seminars/Conferences and workshops. • Conducted seminars and workshops in some of the departments • Encouraged faculty members to present research papers in International and National seminars and also to publish their research works in refereed journals. • Encouraged faculty members to get approved as research guides

Curriculum Development

Members of Board of studies of different subjects are given responsibility of modification in syllabus of regular courses • Recommendations from passing out students, distinguished alumni and employers are duly considered. • College has started Career Oriented Certification courses this year. The syllabi were prepared in accordance with industrial standards. Various

endowment lectures, quizzes, invited talks, etc are organized by almost all departments in order to supplement and enrich the curriculum offered by the University

Teaching and Learning

IQAC prepared a general academic calendar for two semesters. Departments prepared individual academic calendars and timetables. • Teachers Diary was prepared and printed by IQAC in which teachers can record their teaching plan, student progress, seminars, and daily events • IQAC does results analysis after each end semester examination and hands over the analysis report to the Principal. • Every semester one department meeting is held in the chairmanship of the Principal. The principal discusses the result analysis with HOD and Staff members and necessary corrective actions are taken. • IQAC provides consolidated individual results of students (till the latest semester) to all the departments. • Class teacher, parent, and student interfaces are arranged in each semester to discuss the performance. The consolidated individual result of the student is discussed with parents during the interface and the student's progress is assessed. • Remedial coaching classes, Scholar Support Programmes, and Walk with Scholar programs are arranged to uplift the slow learners

Examination and Evaluation

Along with the General Academic Calendar Examination dates are also communicated to the students Examinations. • The college has separate committees for CLMC to conduct internal examinations. The committees consist of one chief superintendent and one additional chief superintendent for the smooth conduct of examinations. • Principal nominated teachers to the Examination Invigilation Committee. The committee made surprise visits to the exam hall to monitor any malpractices. Incidents of malpractice are reported to the Principal and necessary corrective actions taken. • Two internal exams were conducted for each semester .. Apart from internal exams students are required to complete assignments, seminar and viva as per the university guidelines. The final internal grade sheets are uploaded by

the teachers before the scheduled date. Students can verify their mark sheets and in case of any complaints can approach the concerned teacher. • The internal scores will be countersigned by the Head of the Department and will be published in the department notice board. Grievances if any will be redressed either at the department level or at the Grievance redressal committee level. • IQAC does result analysis after each end semester examination and hands over the analysis report to the Principal. • The internal mark lists along with the end semester exam result of last semesters are evaluated during the parent teacher student interface under

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

E-governance area	Details
Planning and Development	College has proposed complete office automation. Library automation has been initiated by the use of Grandha software
Administration	Notices and circulars are uploaded in the college website and communicated to different departments through e-mail from the office of the Principal ? College has proposed complete office automation ? Each and every IQAC notice is circulated by the coordinator himself through e-mail
Finance and Accounts	1. Salary of faculty members and staff is transferred directly to the bank account. Salary bills are submitted to the treasury through IFMS software 2. E-tender is notified as per the government guidelines for purchase of items 3. Payment for the work orders is done through PFMS according to government guidelines
Student Admission and Support	Applications are submitted for admission to different courses through the online admission portal Merit list is prepared and uploaded by fully computerized system E-mail ids and contact numbers of all members of Anti Ragging Committee, Anti Ragging Squad and Internal Complaints Committee have been uploaded to the college website and students can communicate to the members through e-mail
Examination	Evaluation of answer scripts is conducted by the affiliating university. Faculty members of this

college follow instruction given by the University

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
Nill	NIL	Nill	Nill	Nill
No file uploaded.				

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)
2020	1.Active Teaching for Active Learning	Nill	19/03/2020	19/03/2020	28	Nill
View File						

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
Refresher Course	1	18/02/2020	02/03/2020	14
Refresher Course	1	09/01/2020	29/01/2020	14
Refresher Course	1	04/03/2020	11/03/2020	14
Refresher Course	1	04/03/2020	11/03/2020	14
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
2	2	Nill	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students

GIS, SLI, GAPIS,
Treasury S Bank

GIS, SLI, GAPIS,
Treasury S Bank

Medical insurance

6.4 – Financial Management and Resource Mobilization

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

The report of accounts is meticulously and transparently managed and prepared by the institution. The Lead Accountant conducts scrutiny and review of the financial details and this is then checked for financial integrity by the Principal. At the close of the financial year, the annual financial statement containing both revenues and expenses is prepared. It is then submitted for final auditing to the Accountant General and to the officials in the Education Department. Both reports relating to the date shall be forwarded to the External Auditor, who is a certified Chartered Accountant for the verification and auditing of accounts, upon conclusion of the specified period of any UGC or government funded scheme. If any omissions or mistakes are reported by the Chartered accountant, they shall be fixed in compliance with his guidance and shall be provided by the Chartered accountant with final reports and certificates. There are periodical visits from the audit section of Department of Education to the college that inspects all the files relating to the rules and regulations, financial matters of all schemes that the college has availed of and all the receipts and payments in the college.

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	2000500	operational
View File		

6.4.3 – Total corpus fund generated

1495550

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	Nil	Nil	Yes	CLMC
Administrative	Yes	AG, DD, Local fund	Yes	Department wise

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

1. Purchase of College Bus with financial assistance from pta 2. Financial assistance for seminar, workshop, International Conference 3. Pta assistance to the students for participation in Kerala University youth festival

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

1.IT awareness programme for Non Teaching staff 2.SPARK, PRISAM, GAIN PF hands on Training for non teaching staff 3. Awareness on investment plan - conducted by financial consultant agency

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

1.Construction of more rooms in ladies hostel is in progress 2. Appointment of permanent faculty in few post is done and remaining in newly sanctioned post is

in progress 3. Initiative to utilize existing land for Devahritham Project and Play ground Construction 4.Purchase of College bus is done and in operation 5. Application for new aided courses have been submitted to University

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
2019	NPTEL SWAYAM LOCAL CHAPTER	29/01/2019	29/01/2019	29/01/2019	29
2019	NPTEL	12/07/2019	12/07/2019	12/07/2019	6
2019	NEWSLETTER	07/11/2019	07/11/2019	07/11/2019	11
2020	SKILL DEVELOPMENT COURSES, VALUE ADDED COURSES	17/02/2020	17/02/2020	17/02/2020	135

[View File](#)

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
Yoga for Girls	21/06/2019	21/06/2019	50	0
Yoga for Mental Health	21/06/2019	21/06/2019	72	52
Iron-rich Snack making competition	03/10/2019	03/10/2019	30	30
Training for Cloth sanitary napkin making	23/12/2019	23/12/2019	45	0
Campaign on Menstrual cups	23/12/2019	23/12/2019	45	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

? Banana Sampling- Distribution And Planting ? Varattar Rejuvenation Programme- Second Phase ? Planting Medicinal Plants In College Premises ? Seminar On

Environmental Protection ? Cleaning Mission Undertaken at Chengannur Taluk ? Flood Rehabilitation ? LED Bulb Making ? Survey of Flood-Affected Areas ? Training on Cloth Sanitary Napkin Making ? Campaign on Menstrual Cups ? Plastic Free World Campaign ? Wildlife Day Celebration ? Green Protocol Implementation ? Butterfly Park and Biopark ? Water Quality Analysis at Thiruvandoor, Pandanad, Mulakkuzha and Chengannur Municipality Wetland Celebration ? Paddy Cultivation ? Elephant Day Celebration ? Animal Protection Campaign ? Apiculture ? Student Solar Ambassador Project ? Renewable Energy Survey ? Know Your River Project ? Water Conservation Day Celebration ? Observation Of Earth Hour ? Swach Bharath Mission Programme ? Plastic Waste Collection Campaign ? World Ozone Day Celebration ? Waste Management ? Cloth Bag And Paper Bag Making for Students

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	No	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0

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	Nil	Nil	02/12/2019	3	Varattar phase 2 level rejuvenation programme	Rejuvenation of the dried up river by planting trees along the river Varattar	25
2019	Nil	Nil	19/12/2019	1	Signing of Memorandum of Understanding to implement 'Go Green'	To make cloth bags with the help of local women self-employing commun	100

					bags in Thiruvandoor Panchayath	ities	
2020	Nill	Nill	18/03/2020	4	Hand Sanitizer production and distribution	Break the Chain Campaign to prevent Corona Virus	20
2019	Nill	Nill	23/12/2019	1	Free Ayurveda medical Campaign	Diagnosis of diseases for local people	125
2020	Nill	Nill	22/02/2020	2	Blood Donation Camp	Nill	175
2019	Nill	Nill	14/08/2019	4	Flood Relief	Rehabilitation of local people affected by flood	60
2019	Nill	Nill	02/10/2019	1	Student Ambassador Workshop	Awareness to students regarding the use of solar power	75
2019	Nill	Nill	19/12/2019	3	Workshop and training on Mushroom Cultivation and field visit	Awareness generation and steps towards promoting mushroom cultivation	25
2019	Nill	Nill	10/06/2019	1	Plastic free World campaign was organised in collaboration with We Care	Environmental hazards of plastic	250

2019	Nil	Nil	20/11/2019	1	Multicolor LED star making	To familiarize students to make LEDstars	60
------	-----	-----	------------	---	----------------------------	--	----

[View File](#)

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Green Protocol Bhumitra Sena Club	28/10/2019	Green Protocol Bhumitra Sena Club-- To make the local people aware of environmental conservation and to ensure they adopt and abide by the green protocol provided in the manual, a handbook along with a checklist was provided to nearby schools, colleges, churches, temples and other institutions in and around Eramallikkara Panchayat.
Code of Conduct (General) for students	12/06/2019	To make students aware of the basic values that they have to follow in the campus. These values and ethics have been clearly mentioned in the college calender.
Code of Professional ethics	12/06/2019	To make faculty aware of the professional ethics that they need to follow.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
World Environment day	05/06/2019	09/06/2019	50
Seminar on Environmental Protection	07/06/2019	07/06/2019	63
Student Solar AmbassadorProject	02/10/2019	02/10/2019	50
Essay writing competition for School students	05/06/2019	05/06/2019	20
Independence Day	15/08/2019	15/08/2019	15
Celebration of Indian Constitution Day	17/11/2019	17/11/2019	60

Anti-drug pledge	04/12/2019	04/12/2019	72
Youth Empowerment Programme	04/10/2019	04/10/2019	85
Seminar on the impact of Drug Resistance in Society and its Biochemical action	12/12/2019	12/12/2019	60
National Seminar on Rivers for Future	23/01/2020	23/01/2020	60
View File			

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

? Green Protocol Training and Implementation ? Butterfly Park and Biopark ? Ozone Day Celebration on September 16, 2019 ? Bhumithra Club activities ? Swach Bharath mission ? Plastic waste management programme

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Programmes directed at Environmental Protection and Sustainability: Sree Ayyappa College has taken Environmental Protection and Sustainability as one of its key areas of focus informing both its academic and extension activities. (i) The college has signed a Memorandum of Understanding to implement 'Go Green' bags in Thiruvandoor Panchayath -a joint venture with UBA SAC and Chengannur Municipality conducted on December 19, 2019. A MoU was signed in this meeting between Sree Ayyappa College and Chengannur municipality to make cloth bags with the help of local women self-employing communities. Sewing machines were offered to the local community. (ii) (ii) Village level Water Quality test using Presumptive Coliform test was done by the students in association with Unnath Bharath flagship program. Water collected from four different villages of Panchayath was tested for the presence of Total Coliforms and E. Coli contamination. The results showed that wells of these Panchayath were contaminated with E. Coli. After checking the results, the villagers were advised to chlorinate the water bodies. Apart from the above mentioned sustainable development activities, the college has organised Varattar Rejuvenation programme-Second phase, Cleaning Mission undertaken at Chengannur Taluk, Flood Rehabilitation, Green Protocol Implementation, Know your River Project, Plastic waste collection Campaign, World Ozone Day Celebration, Waste management, Cloth Bag and Paper Bag making for students. 2. Youth Empowerment: To impart social and intellectual responsibility to the students, Sree Ayyappa College carried out various activities to enhance leadership and social commitment. The following activities were carried out during the academic year 2019-20 to empower them to deal with real-life situations. ? Scholar Support Programme ? Anti-ragging Orientation Programme ? Legal Awareness Classes ? Skill Development Programmes ? Value-Added Programmes ? Workshops On Energy Conservation Practices ? Job-Oriented Programmes ? Seminar On Drug Resistance ? Workshop On Easy Communication Tips And Meditation Apart from the above-mentioned activities, Sree Ayyappa College organized Inter-university Quiz Competition ESPIAL 2019, fitness classes, charity work, awareness programmes on matters of health and hygiene and free medical camp. The student volunteers actively contributed towards rebuilding Kerala post the devastating floods. The college ensures that the students engage with the concerns of the larger society and contribute towards its development.

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

<https://www.sreeayyappacollege.ac.in/best-practices>

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

Sree Ayyappa College does not restrict its focal area on academic knowledge production and dissemination, but moulds the students in a way as to reflect upon the social and economic well-being of the community. The college upholds the ultimate spirit of education by bridging the gap between theory and practice. During the academic year 2019-20, focus was given to energy conservation, by disseminating and equipping the local people and the students to survive with minimum energy consumption. Given below are some of the activities of the academic year 2019-20 that reflect the approach of the institution towards energy conservation. ? Student Solar Ambassador Workshop conducted with the technical support of IIT Bombay ? Established PCB design and making unit composed etchant, developer, remover, and laminator. ? Established LED bulb assembling unit ? Workshop organized for school students regarding energy conservation and LED star assembling and talks were given on the topics "Energy conservation principles and practice" and "Need for Energy Conservation" ? One day workshop "Energerium"-oorjolsavam-2019 Apart from the above mentioned activities, the college provided training to enhance entrepreneurship among students by starting a mushroom cultivation and production unit, sanitary cloth pad production and hand sanitizer production.

Provide the weblink of the institution

<https://www.sreeayyappacollege.ac.in/gallery/album/4>

8.Future Plans of Actions for Next Academic Year

1. A house may be constructed for the most deserved family under the "Home for the homeless" scheme
2. The rural library, which has been established may be developed
3. Establish Incubation Centre
4. Establish a Centre for Outreach Society Activities in each Department
5. Establish a Centre for Teaching and Learning
6. Conduct an International Conference
7. Conduct an International Cultural fest
8. Enhance Ladies Hostel facilities
9. Build a Guest room in the Ladies Hostel
10. Enhance Laboratory facilities
11. Conduct a Medical Camp
12. Conduct seminars and workshops on various topics
13. Conduct bridge course in each Department.
14. Conduct Value added, Add-on Courses in each Department.
15. Establish a Research Centre in Computer Science
16. To promote Professional ethics among staff, separate programmes may be organised
17. To promote moral and ethical values, a Club may be constituted.
18. Committees entrusted with seven different criteria may plan and organise various activities to enhance the quality of education in the college
19. To appoint new faculty in various departments.
20. To start an undergraduate programme.
21. Necessary steps will be taken for the automation of college library and office.
22. To renovate ladies hostel.
23. To increase the number of books in the library.
24. To conduct more skill development courses in each department.
25. To provide LMS to faculty to enhance their efficiency.
26. Necessary steps will be taken to develop e-content.