



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		GOVERNMENT COLLEGE, KARIAVATTOM, THIRUVANTHAPURAM, KERALA
Name of the head of the Institution		Dr. B. Unnikrishnan Nair
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04712417112
Mobile no.		9446748085
Registered Email		principalgck@gmail.com
Alternate Email		gckiqac@gmail.com
Address		Government College, Kariavattom
City/Town		Thiruvananthapuram
State/UT		Kerala
Pincode		695581

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Semi-urban
Financial Status	state
Name of the IQAC co-ordinator/Director	Dr. Sabeen. H.M
Phone no/Alternate Phone no.	04712417112
Mobile no.	9447342623
Registered Email	gckiqac@gmail.com
Alternate Email	principalgck@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://govtcollegekariavattom.ac.in/wp-content/uploads/sites/25/2021/08/AOAR_2017-18.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://govtcollegekariavattom.ac.in/wp-content/uploads/sites/25/2021/06/4-Academic-calender-2018-19.pdf

5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.47	2016	29-Mar-2016	28-Mar-2021

6. Date of Establishment of IQAC	31-Mar-2014
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Meeting of CLMC (College Level Monitoring Committee)	04-Jul-2018 1	9
Meeting of Internal Quality Assurance Cell (IQAC)	25-Mar-2019 1	13
Meeting of Internal Quality Assurance Cell (IQAC)	26-Feb-2019 1	25
Meeting of Internal Quality Assurance Cell (IQAC)	20-Dec-2018 1	27
Meeting of Internal Quality Assurance Cell (IQAC)	13-Nov-2019 1	12
Meeting of Internal Quality Assurance Cell (IQAC)	16-Oct-2018 1	70
Meeting of Internal Quality Assurance Cell (IQAC)	29-Sep-2018 1	18
Meeting of Internal Quality Assurance Cell (IQAC)	06-Aug-2018 1	20
Meeting of Internal Quality Assurance Cell (IQAC)	04-Jul-2018 1	15
Meeting of Internal Quality Assurance Cell (IQAC)	04-Jun-2018 1	15
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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
Institution	Plan fund	Govt. of Kerala	2018 365	6094194
Institution	Non plan Fund	Govt. of Kerala	2018 365	631049
Individual	UGC Minor Research Project	UGC	2015 730	107426
Individual	UGC Minor Research Project	UGC	2016 730	52000
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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 :	9
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)	
<p>Majority of classes were conducted using ICT facility. At the end of academic year, student feedback regarding overall performance of teachers and college was collected and feedback analysis was conducted. Internal exams were conducted to assess student performance and this was discussed in PTA meetings. Students of Biotechnology, Computer Science, Statistics, Chemistry and Biochemistry secured University ranks. PG entrance coaching classes were conducted by few departments and 88 students from different departments sought admission to various Post graduate courses. M.Sc course in Maths was sanctioned.</p>	
<p>National seminar was organised by Department of Biochemistry, Biotechnology and Chemistry. Department of Computer Science conducted two days workshop. Invited talk on Artificial Intelligence by Alumni was organised by Department of Physics.</p>	
<p>One Faculty of Geography, three from Computer Science and one from Statistics department are pursuing Ph.D. One faculty from department of Geography was awarded Ph.D degree. Faculties of the college published 12 manuscripts/chapters in total in peer reviewed Journal/books. Five presentations in International seminar and ten presentations in National seminars were made by faculties of the college. Two faculties were resource persons in International conference, four in National Seminar and four in State level seminar.</p>	
<p>Department of Physical Education organised Intercollegiate KhoKho men championship, Cricket championship and Roll ball Championship. Faculty of Phy. Ed. department served as selector of University Aquatic Water Polo team and Cricket team, Technical official of Intercollegiate Athletic meet and Coconvenor of South zone Intercollegiate Cricket match. In association with IQAC, NCC carried out coastal cleaning (Shanghumukham beach), Bus stand cleaning (Kaniyapuram bus stand) and Celebrated Childrens day in Govt. L P School Chenkottukonam. In alliance with IQAC, NSS organised 'Yuvatha Nadiyodoppam' program, which included cleaning of river banks, planting of bamboo sapling in the river banks and awareness class regarding importance of rivers along the Vamanapuram river at Thellikachal, Pullampara, near Venjaramoodu. Along with</p>	

Student Union NSS participated in flood relief activities. Participated in 'Samridhi' and initiated cultivation of barren lands near Gandhipuram. Conducted Literacy Survey in the Kariavattom, Palayam and Nettayam regions of Thiruvananthapuram. Conducted blood donation camp along with Blood Bank of Government Medical College, Thiruvananthapuram. Volunteered service during 'Attukal Pongala' and 17th Lok Sabha election maintaining green protocol. Collected money to contribute to Okhi relief fund. Participated in 'NAVYAM', postflood cleaning program. Department of Geography organised 'Geographica', One day workshop for higher secondary students. Organised French Food festival as a part of French National Day.

In association with IQAC, Physical Education department organised coaching camps for football, cricket, volley ball, khokho, chess, athletics, power lifting, rollball and aerobic exercise. Interdepartment competitions in foot ball, volley ball, badminton, Cricket and Athletics was conducted. Students of the college participated in National level competitions in Cycling, Roll ball, Chess, Gymnastics, Boxing, Body building and Kho kho and, south zone Inter University Chess Championship.

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

Plan of Action	Achivements/Outcomes
To promote conduct of course by Continuing Education Cell (CEC)	Seven Professional Diploma courses were conducted. Total of 101 students enrolled
To Encourage faculty/student development programs	Organised: National seminar by Department of Geography, Biotechnology, Statistics, Chemistry and Biochemistry. Two days workshop by Department of Computer Science. Invited talk on Artificial Intelligence by Department of Physics.
To Encourage faculties to attend Refresher/orientation/short term courses and training.	Four faculties attended refresher course, one attended orientation, five attended short term course and two attended training.
To encourage paper presentation by faculties in National/International conferences.	Faculties of the college made five presentations in International seminar and ten presentations in National seminars. Two faculties were resource persons in International conference, three in National Seminar and one in State level seminar.
To encourage Faculty participation in other academic activities	Activities related to curriculum development and assessment of the affiliating Universities: Faculties of various departments worked as • Member, Board of Studies of Universities/Autonomous Colleges • Chairman, Board of Question paper

	<p>setters, University Examinations • Question paper setters, University Examinations • Chairman, Board of examiners, University Examinations • Member, Malpractice prevention squad University of Kerala • Syndicate member, University of Kerala Activities related to other academic bodies: Faculties of various departments worked as • Member, Board of Higher Secondary Examination • Question paper setter, Kerala PSC/K-TET • Subject experts, Kerala PSC • Question Paper Setter, HSS First Term, SCERT</p>
To Encourage research activities of faculties	<p>One Faculty of Geography, three from Computer Science and one from Statistics department are pursuing Ph.D. One faculty from department of Geography was awarded Ph.D degree. Total of 15 manuscripts were published in peer reviewed Journal/books.</p>
To Upgrade Library	<p>Books were purchased as per requirement.</p>
To Enhance Laboratory Facilities	<p>Lab equipments/chemical/biochemical was purchased as per requirement.</p>
To help students seek admission to PG	<p>PG entrance coaching classes were conducted by Department of Chemistry, Biotechnology and Biochemistry. 88 students sought admission to various post graduate courses.</p>
To Promote of good teaching - learning process	<p>Majority of classes were conducted using ICT facility. At the end of academic year, student feedback regarding overall performance of teachers and college was collected and feedback analysis was conducted. Internal exams were conducted to assess student performance and this was discussed in PTA meetings. Students of Biotechnology, Computer Science, Statistics, Chemistry and Biochemistry secured University ranks. M.Sc course in Maths was sanctioned.</p>
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
College Council	21-Jun-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to	No
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assess the functioning ?	
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	26-Feb-2019
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)	<ul style="list-style-type: none"> • Teaching and non teaching staff follows Biometric Attendance System. • Library is partially automated and uses the software BOOKMAGIC Version 4.0 since 2007. • All official matters are communicated among staff of the Institute via Institutional email system. • College Office makes all official Communications with Directorate of Collegiate Education, and Government colleges throughout the state through Digital Document Filing System (DDFS). • There is CCTV and Security Systems in all classrooms, labs and around premises of the college. • Personnel Administration, Payroll and other Account activities of the College and Staff are managed through Service and Payroll Administrative Repository for Kerala (SPARK) which is an Integrated Information system of Government of Kerala.

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

Institutional mechanism for curriculum planning and implementation Govt. College Kariavattom , imparts value based quality education of highest order to the students residing in semi-urban areas through an effective implementation of curriculum. The college functions with highly specialized teaching faculties to empower the students to put their knowledge to application and inculcate in them the urge for creative learning and augment fervour for research. The courses offered by the college are career related. Each course imparts appropriate knowledge and skills, aims at refining students' competence to deal with professional works and enables them to make productive performance. Apart from regular lectures, interactive lectures, computer assisted lectures, multimedia power point presentations, student-centred interactive learning through seminars, debates, quiz, group presentations, collaborative learning,

educational tours, industrial visits and visualized technologies are adopted to motivate and stimulate the students' curiosity and to facilitate the comprehension of complicated concepts. Seminars and workshops are conducted to develop the potential of the faculties as well as the students. Continuous assessment of students and feedback and rating of the faculty from students' part are carried out at the end of each semester. The college strictly adheres to the guidelines of the State Government and University of Kerala for the effective implementation of the curriculum. Special classes, if needed, are engaged during vacation and at off hours to compensate for the time lost in regular college hours in-order to provide the teaching hours stated in the academic calendar. Meetings with faculties are convened at regular intervals to discuss the strategies to be adopted for the effective functioning of the college. College pays special attention to the non-scholastic activities like Sports and Games, NCC, NSS and other extension activities to enhance the physical and mental development of the students. NSS and NCC programmes inculcate social awareness and human values in students through plantation, blood donation and medical camps and propagate the need for sanitation and cleanliness in day to day life. The cells / committee are usually provided with complete autonomy in their respective field. They enable the students to bring out their talents and creativity and empower them by imparting guidance, motivation and awareness classes Programmes like WWS, ASAP assist students to identify appropriate area for their higher studies and a set of additional skill to students along with their regular courses .SSP which functions in the college helps the students to overcome their academic weakness. Special attention is given to redress the grievances of the students through these activities. The General Library which is well equipped with quality books, journals magazines and newspapers functions as the knowledge hub of the college. The IQAC maintains a set of standard in teaching, learning and evaluation process. It keeps strict vigil in the academic process and maintains quality and sustenance through self-appraisal. On the whole, the Head of the institution, teaching and non-teaching staff played a pivotal role in the proper functioning and implementation of various aspects pertaining to the curriculum.

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
Nil	Professional Diploma in Enterprise Network Engineering (PDENE)	15/09/2018	365	Computer Hardware, network administration Window Linux Network administration Wan administration	Computer Hardware, network administration Window Linux Network administration Wan administration
Nil	Professional Diploma in Fibre Optical Digital Security System (PDFDS)	15/09/2018	365	Computer Hardware, Laptop Chiplevel	Computer Hardware, Laptop Chiplevel

Nil	Professional Diploma in Industrial Instrumentation on Fire and Safety (PDIFS)	15/09/2018	365	Automation engineering, Industrial Instrumentation, Fire Safety	Automation engineering, Industrial Instrumentation, Fire Safety
Nil	Professional Diploma in Industrial Electrical engineering (PDIE)	15/09/2018	365	Electrical wireman, Electrical technician	Electrical wireman, Electrical technician
Nil	Professional Diploma in Shipping Logistics (PDSL)	15/09/2018	365	Warehousing Inventory Management, Distribution Management, Shipping etc.	Warehousing Inventory Management, Distribution Management, Shipping etc.
Nil	Professional Diploma in Civil Engineering (PDCCE)	15/09/2018	365	Construction, CAD, Survey, Total Station	Construction, CAD, Survey, Total Station
Nil	Professional Diploma in Interior Architectural Design (PDIAD)	15/09/2018	365	Interior Designing ,Revit Architecture	Interior Designing ,Revit Architecture
Certificate Course in Meeting Conference Event Planner	Nil	01/01/2019	180	Focus on Event Planning	Focus on Event Planning
Certificate course in Junior correspondent	Nil	01/01/2019	180	Developing skills in writing, interviewing and building contacts	Developing skills in writing, interviewing and building contacts
Test Engineer	Nil	01/01/2019	180	Software field	Developing software testing skills

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
MSc	Mathematics (620)	12/09/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	Biochemistry	01/06/2018
BSc	Biotechnology	01/06/2018
BSc	Chemistry & Industrial Chemistry	01/06/2018
BSc	Computer Science	01/06/2018
BSc	Geography	01/06/2018
BSc	Physics and Computer Applications	01/06/2018
BSc	Statistics	01/06/2018

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

	Certificate	Diploma Course
Number of Students	27	101

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
Nil	Nil	Nil
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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
BSc	Biochemistry	36
BSc	Biotechnology	25
BSc	Chemistry & Industrial Chemistry	30
BSc	Computer Science	34
BSc	Geography	35
BSc	Physics & Computer Application	35
BSc	Statistics	39
MSc	Physics	10
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
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

Feedback was collected from students emphasising thirteen criteria. The subject knowledge of nearly 90 of teachers is rated excellent by students. The communication skills, is also excellent for more than 95 of teachers. On an average, 90 of teachers help students to develop an interest in the subject. The presentation style, of more than 95 of teachers are also rated high by students. Teachers help students a lot to clarify the doubts in the subject. According to students, comparatively less percentage of teachers only succeeds in maintaining discipline in the class. But more than 90 of teachers prospers in keeping a good relationship with students. The teachers are regular and they complete the portions well in advance and to evaluate students based on class tests and assignments. Usage of teaching learning aids by teachers is another factor that needs improvement according to the feedback of students. However, more than 99 teachers step down to students' level to make concepts understandable. Yet, students feel that only 80 percentage of teachers motivate students for extra-curricular activities More than 80 of teachers establish a good relationship with parents. Feedback was collected from Teachers with respect to five criteria. On an average nearly 99 of teachers have rated the curriculum to be outstanding and the rest 1 very good. When 95 of teachers found the academic environment to be excellent, 3 suggested improvement. Only 85 of teachers felt library infrastructure (both in terms of the availability of books and management) to be outstanding, nearly 5-10 felt the need for further improvement. The office administration was excellent to nearly 99 and none was dissatisfied by its functioning. Though most of the teachers were satisfied with traditional teaching, only 75 was satisfied with ICT facility in college. Frequent interactions, most probably, once in a month or when required, will be conducted by Director of DCE(Employer) and college Principal, where discussions and clarifications on the academic and administrative matters are moulded. Feedback was collected from Alumni based on the course they completed, their present designation and accessibility to the college and was excellent for more than 90 and they also felt the college to be accessible. Teachers often communicate with parents and discuss the progress and attendance of students. Moreover, regular PTA meetings help to develop a good rapport between the students, parents and teachers. General body meetings are also conducted and PTA is formed with parent representatives. The feedback collected from all stakeholders is of crucial importance for the development of the institution and is the basis upon which changes for betterment are anticipated for the next academic year. The suggestions given by the students, teachers, alumni on the curriculum were analysed and based on its merit, submitted to the University through the Board of Studies, Academic Council and Senate members of the institution.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the	Programme	Number of seats	Number of	Students Enrolled
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Programme	Specialization	available	Application received	
MSc	Physics	8	958	11
MSc	Maths	12	102	12
BSc	Statistics	32	1337	41
BSc	Physics with Computer Application	24	2279	35
BSc	Geography	24	2616	34
BSc	Computer Science	24	4645	35
BSc	Chemistry and Industrial Chemistry	24	2624	29
BSc	Biotechnology	24	7002	34
BSc	Biochemistry	32	4028	43
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	722	36	43	6	5

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
56	30	32	18	1	3

[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)

Students mentoring System The IQAC of the college takes special efforts in carrying out various programmes to enhance the student-learning process and to improve the overall teaching-learning atmosphere in the campus.

The takes executed many programmes implemented under the new initiatives of the Higher education department of the state. A structured way of student mentoring system has been established in the college where the system is addressed at two levels At the department level, faculty members are assigned the role of Faculty advisor/ tutors for each class. The tutors are further monitored by head of the department. Students with academic issues are addressed by the tutor in charge and reported to HODs whenever the situation demands. At the institution level, a mentoring system began from 2017-18 AY onwards where a faculty in charge will act as the mentor for the entry level learners at the institution. In this academic year, each mentor faculty was assigned with 15/16 mentees to act as their advisor and supporter till the completion of the learner's entire course.

Besides our college is an active participant in various learning and skill acquisition programmes like Student Support Programme (SSP), Walk with a Scholar (WWS) and Additional skill acquisition programme (ASAP).

Under the SSP scheme, students who require additional support in learning are identified and given special care in the concerned subject by the selected SSP faculties, who are the faculties of college itself. Recognizing the value of skill based education to enhancing the confidence of students, special trainings for SSP students are given in IT skills, life skills, learning skills etc. Special training camps are conducted every often for the internal mentors of the colleges which will help them to motivate the students in a better way. Walk with Scholar (WWS) programme has been designed to arrange specialized mentoring programmes for undergraduate students to provide guidance for their splendid career. Apart from face to face interaction of teachers with students in the regular classrooms, special care and direction is given to selected meritorious students and introduction of various employment opportunities or employment based higher education opportunities is imparted to them by the internal mentors of the programme. Various dignitaries on their expertise domains interact with the talented students. Other highlights of this programme are motivational camp for students, conducting mock interviews and debates for competitive examinations etc. Additional skill acquisition programme (ASAP) is also conducted in a good way in our college. Specially designed ASAP curriculum imparts confidence in the student by improving the communication and information technology skills of the student. Training in skills of selected areas of the industry and service sectors are provided for the student, for example, test engineering, food and beverages etc. Module related to the skill sectors are chosen by the student.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
758	54	1:14

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
56	43	5	5	20

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
Nil	NIL	Nil	NIL

[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
BSc	241	Semester III	08/02/2019	05/07/2019
BSc	241	Semester I	10/12/2018	17/09/2019
BSc	350	Semester VI	16/04/2019	25/05/2019
BSc	350	Semester V	27/03/2019	22/05/2019
BSc	350	Semester III	13/02/2019	15/07/2019
BSc	350	Semester I	10/12/2018	07/09/2019
BSc	238	Semester VI	07/05/2019	25/05/2019
BSc	238	Semester V	07/01/2019	20/05/2019
BSc	238	Semester III	13/02/2019	04/07/2019

BSc	238	Semester I	10/12/2018	07/09/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Continuous Internal Evaluation Students are evaluated by continuous and end semester assessments. A college level monitoring committee is functioning to supervise all evaluation processes in the credit and semester system. Class tests are conducted at the end of each module and finally at the end of semester especially focussing on the entry level learners in the institution a model exam in the same pattern as of university exam is conducted to make them acquainted with original evaluation process at the end semesters. Surprise tests and quizzes are also periodically conducted by the department to ensure the regular involvement of students in classes. All the processes are done with the consultation of CLMC. Attendance of the students are also monitored regularly and updated to CLMC by respective departments. Besides the mentors under the mentor- mentee system monitors the performance of their student regularly and support when situation demands. Also the tutorial records are maintained by respective departments to check the growth of the learner.

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

The institution is affiliated to the University of Kerala and thus following the Academic Calender published by the University. The internal assessments are carried out for each semester at the institution whereas the End Semester Evaluations are done by the University as per the prior schedules. The answer scripts will be evaluated at a centralised valuation camp.

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)

<http://govtcollegekariavattom.ac.in/wp-content/uploads/sites/25/2021/07/Course-Outcomes.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
630	MSc	Physics	13	11	84.6
225	BSc	Statistics	39	28	72
328	BSc	Physics with Computer Application	34	20	58.8
205	BSc	Geography	34	29	85.3
320	BSc	Computer Science	34	31	91.2
241	BSc	Chemistry and Industrial Chemistry	30	17	56.7
350	BSc	Biotechnol	30	29	96.7

		ogy			
238	BSc	Biochemistry	34	29	85.3
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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)

http://govtcollegekariavattom.ac.in/wp-content/uploads/sites/25/2021/06/SSS2018_19.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	730	UGC	440000	107426
Minor Projects	730	UGC	130000	52000

[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
National Seminar- Omics Based Approaches in Biotechnology	Department of Biotechnology, GCK	13/02/2019
National Seminar in Biomedical Research: Changing Paradigm Across Time	Department of Biochemistry, GCK	30/01/2019
Two days Workshop on Malayalam Computing Python Programming	Department of Computer Science and FOSS CELL, GCK	18/03/2019
National Seminar- Recent Trends in Chemistry	Department of chemistry, GCK	05/02/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Nil	Nil	Nil	Nil	Nil

[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
Nil	Nil	Nil	Nil	Nil	Nil

[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
Nil	Nil

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	Physics	1	2.6
International	Physics	1	6.7
International	Chemistry	1	4.2
International	Zoology	1	2.4
International	Zoology	1	1.7
International	Zoology	1	2
International	Tamil	1	0
International	Geography	1	6.08
International	Biochemistry	1	1

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Science	1
Biochemistry	3

[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
Inferences of gut bacterial diversity from next-generation sequencing of 16S rDNA in deep sea blind ray - Benthoba	TINA K. J., BINDIYA E. S., RAGHUL S.S., SARITA G. B.	Ecological Genetics and Genomics.	2018	2	Department of Biotechnology, Cochin University of Science and Technology, Kerala, India	2

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Metabarcoding data of bacterial diversity of the deep sea shark, Centrosyllium fabricii.	TINA K. J., BINDIYA E. S., RAGHUL S.S., SARITA G. B.	Data in brief	2018	5	Department of Biotechnology, Cochin University of Science and Technology, Kerala, India	5
BaCf3: highly the most stable bacteriocin from Bacillus amyloliquefaciens BTSS3 antagonistic on food borne pathogens.	BINDIYA, E.S., RAGHUL, S.S., TINA, K.J., SARITA, G.B.	3 Biotech	2019	9	Department of Biotechnology, Cochin University of Science and Technology, Kerala, India	9
Protein assisted supramolecular control over fluorescence resonance energy transfer in aqueous medium	Vijayakumar C. Nair, K. Kartha, Bijitha Balan, S. Paulose, M. Takeuchi,,	J. Phys. Chem. C	2019	2	NIIST, Thiruvananthapuram	2
Fault Detection Of Constrained Object Models Using Object Modeling Techniques	Priya R	Indian Journal of Computer Science and Engineering	2018	0	Department of Computer Science, Government College Kariavattom	Nil
Preparation and characterization of Pt loaded WO3 films suitable for gas	R. Jolly Bose, Heinz Kohler and V. P. Mahadevan Pillai	Applied Surface Science	2018	16	Department of Physics, Government College Kariavattom	13

sensing applications						
Tailoring the properties of zinc oxide films by incorporating gold nanoparticles using RF magnetron sputtering	R. Sreeja Sreedharan, R. Jolly Bose, V. P. Mahadevan Pillai	Applied Physics A	2018	1	Department of Optoelectronics, University of Kerala, Kariavattom	1
Kurunthokayil Mullai Nila Varunanai	Syedali Fathima M	AYIDHA EYUTHU- AN INTERNATIONAL J. OF TAMIL STUDIES	2018	0	Department of Tamil, Government College, Thiruvananthapuram, India	Nil
Mechanism of protection of rat hepatocytes from acetaminophen - induced cellular damage by ethanol extract of Aerva lanata..	Anusha CS, Prakash Kumar B, Sini H, Nevin KG.	Interdisciplinary Toxicology	2018	0	Department of Biochemistry, Government College, Thiruvananthapuram, India	Nil
Induced Ranked Set Sampling When Units Are Inducted From Several Populations	Yageen Thomas and Anne Philip	STATISTICA, anno LXXXVIII	2018	0	Department of Statistics, Government College Kariavattom, Thiruvananthapuram, India	Nil
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
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Preparation and characterization of Pt loaded WO ₃ films suitable for gas sensing applications	R. Jolly Bose,	Applied Surface Science	2018	188	13	Department of Physics, Government College Kariavattom
Fault detection of constrained object models using object modeling techniques	Priya R	Indian Journal of Computer Science and Engineering	2018	2	Nil	Department of Computer Science, Government College Kariavattom
Mechanism of protection of rat hepatocytes from acetaminophen induced cellular damage by ethanol extract of Aerva lanata..	Anusha CS, Prakash Kumar B, Sini H, Nevin KG.	Interdisciplinary Toxicology ISSN 1337-6853	2018	29	Nil	Department of Biochemistry, Government College Kariavattom
Tailoring the properties of zinc oxide films by incorporating gold nanoparticles using RF magnetron sputtering	R. Sreeja Sreedharan, R. Jolly Bose, V. P. Mahadevan Pillai	Applied Physics A	2018	149	1	University of Kerala
Protein assisted supramolecular control over fluorescence resonance	Vijayakumar C. Nair, K. Kartha, Bijitha Balan, S. Paulose, M.	J. Phys. Chem. C	2019	289	2	Department of Chemistry, Government College, Thiruvananthapuram,

energy transfer in aqueous medium	Takeuchi,,					India
BaCf3: highly the rmostable bacteriocin from Bacillus amyloliquefaciens BTSS3 antagonistic on food borne pathogens.	BINDIYA, E.S., RAGHUL, S.S., TINA, K.J., SARITA, G.B.	3 Biotech	2019	37	9	Cochin University of Science and Technology, Kochi, Kerala
Metabarcoding data of bacterial diversity of the deep sea shark, Centrosyllium fabricii.	TINA K. J., BINDIYA E. S., RAGHUL S.S., SARITA G. B.	Data in Brief	2018	30	5	Cochin University of Science and Technology, Kochi, Kerala
Inferences of gut bacterial diversity from next-generation sequencing of 16S rDNA in deep sea blind ray - Benthobatis moresbyi.	TINA K. J., BINDIYA E. S., RAGHUL S.S., SARITA G. B.	Ecological Genetics and Genomics.	2018	7	2	Cochin University of Science and Technology, Kochi, Kerala
Kurunthokayil Mullai Nilavarunanai	Syedali Fathima M	AYIDHA EYUTHU- AN INTERNATIONAL J. OF TAMIL STUDIES	2018	Nil	Nil	Department of Tamil, Government College, Thiruvananthapuram, India
Mechanism of protection of rat hep	Anusha CS, Prakash Kumar B, Sini H, Nevin KG.	Interdisciplinary Toxicology	2019	29	Nil	Department of Biochemistry, Government

atocytes from acetaminophen - induced cellular damage by ethanol extract of Aerva lanata..					College, Thiruvananthapuram, India
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	10	97	18	Nill
Presented papers	5	10	Nill	Nill
Resource persons	2	3	4	Nill

[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
Organized Kerala University (inter-zone) intercollegiate Kho Kho men championship 2018 on 22nd and 23rd September-2018 at LNCPE, TVM	Department of Physical education, Government College Kariavattom and Department of Physical Education, University of Kerala	2	180
Organized Kerala University Inter collegiate Cricket (men) Championship 2018 conducted at LNCPE, Trivandrum from 30th-October 2018- to 15th-dec 2018 (940 students participated)	Department of Physical education, Government College Kariavattom and Department of Physical Education, University of Kerala	2	940
Organized Kerala University Inter collegiate Roll ball Championship (Men and Women) conducted at Central stadium,	Department of Physical education, Government College Kariavattom and Department of Physical Education, University of	2	180

Statue, Thiruvananthapuram during 2nd 3rd January -2019 (more than 180 students participated)	Kerala		
Kerala university Aquatics Water polo team selector 2018- 19.(1112-September- 2018)	Department of Physical education, Government College Kariavattom and Department of Physical Education, University of Kerala	3	300
Kerala university Cricket team selector 2018-19 (2 4-27th- December-2018	Kerala university	3	600
Technical official of Kerala university intercollegiate Athletic meet 2018-19	Kerala university	40	120
South zone intercollegiate Cricket(men) co- convenor(2018-19)	Kerala university	2	900
Invited talk on Artificial Intelligence taken by former student of the department and Ist Rank holder of Kerala University to motivate the students to participate start up programmes in relevant areas	Department of Physics, Government College Kariavattom	7	20
Blood Donation Camp	NSS Unit 17 AB, GCK, College Union and Kerala State Blood Donation Society	4	310
Public Place Cleaning- Trivandrum central Railway Station, Thiruvananthapuram	NSS Unit and Indian Railways	2	30
View File			

during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Nil	Nil	Nil	Nil
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
Anti- Drug Campaign	Department of Students Services, University of Kerala	Inauguration of anti-drug campaign of University of Kerala	10	100
Swachh bharat	University of Kerala	Cleaning of University premises	2	30
Gender issue	Kerala Women's Commission and NSS Cell, University of Kerala	Two day seminar on Gender Equality	1	7
Anti- Drug Campaign	NSS unit, College Union and Anti-drug cell	observance of International Day against Drug Abuse	3	100
Vimukthi- Anti- Drug Campaign	NSS Unit, anti-drug cell and college union	Puppet show on drug abuse	5	200
Self Defense Training program	NSS Unit, College Union, Mathrukam and Womens Cell	Self Defense Training program	3	80
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Research Collaboration	Dr. Bijitha Balan	Nil	365
Research Collaboration	Dr. Raghul Subin	Nil	365
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	Name of the	Duration From	Duration To	Participant
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	linkage	partnering institution/ industry /research lab with contact details			
Students Project Work	E Rescue	NETWORKZ SYSTEMS	01/01/2019	29/03/2019	4
Students Project Work	E Shopee	NETWORKZ SYSTEMS	01/01/2019	29/03/2019	4
Students Project Work	Attendance Management System	NETWORKZ SYSTEMS	01/01/2019	29/03/2019	4
Students Project Work	Blood Donation Management System using Android Application	NETWORKZ SYSTEMS	01/01/2019	29/03/2019	4
Students Project Work	Home automation system	KELTRON	01/01/2019	29/03/2019	4
Students Project Work	Bus Tracking system	NOTECH IT SOLUTIONS	01/01/2019	29/03/2019	4
Students Project Work	Vizhinjam Port Logistics	SOFTZANE SOLUTIONS, AYOOR, KOLLAM	01/01/2019	29/03/2019	4
Students Project Work	Message source Tracking using block chain	Scribblestz, Kariavattom	01/01/2019	29/03/2019	5
Students Project Work	Speed Limit Detection from Traffic Sign Board	IHRD REGIONAL CENTRE, TRIVANDRUM	01/01/2019	29/03/2019	4
Students Project Work	Environ Thrash Sweeper	INZENJER IT SOLUTIONS	01/01/2019	29/03/2019	4
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
NETWORKZ SYSTEMS Technology Training Company	19/12/2018	Industry integrated training for for Computer Science Students.	32

[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
5193594	4613418

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Classrooms with Wi-Fi OR LAN	Existing
Others	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
BOOKMAGIC	Partially	Version 4.0	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	18770	5782198	882	576286	19652	6358484
Reference Books	284	898956	29	93087	313	992043
Journals	Nil	Nil	10	4038	10	4038
Library Automation	1	19800	Nil	Nil	1	19800

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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. Priya R.	Inheritance - Extending Classes	SDE Padasala Video Lecture Repository https://www.youtube.com/watch?vvMJwB2TOCVIfeatureyoutu.be	26/11/2018

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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	91	4	40	0	0	1	13	10	2
Added	1	0	10	0	0	0	0	0	0
Total	92	4	50	0	0	1	13	10	2

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

10 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
ORICE / EDUSAT	https://youtu.be/mqj_RwcMJVo

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
217104	217104	791444	791444

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)

Procedures and policies for maintaining and utilizing physical, academic and support facilities such as laboratories, library, sports facilities, computer labs and classrooms are as per rules and regulations stipulated by the Govt. of Kerala. Priority has been given for the proper maintenance of the infrastructural facilities. Allocation of funds for the maintenance of the infrastructure of the college is earmarked in the plan fund of the college by the directorate of collegiate education department. The state Public Works Department is assigned the technical supervision of the works. The laboratories are well equipped with a sufficient stock of equipment and other consumables as per the requirement utilizing the plan fund released by the Department of Collegiate Education. Separate laboratories are provided for the available UG and PG programmes. Repair and renovation works have been done annually to

ensure the safety in laboratories as and when the grants are allotted which also include funds from PTA. The college has a well-stocked General library which is partially automated with a good repository of textbooks and reference books such that the students can access them as reference materials related to the syllabi and curricula along with periodicals, newspapers, and other academic publications. Books are purchased annually as per the requirement and suggestions received from the faculty as well as students utilizing the plan fund allotted by the collegiate education department. College has two playgrounds of which one is a multipurpose court which includes space for football and cricket and the other is a shuttle badminton court. Students are given training for cricket, football, volleyball, kabaddi, kho-kho, archery, fencing, shuttle badminton, athletics, powerlifting, weightlifting and roll ball. Recurring grants are ensured for the purchase of new sports goods and for the maintenance of existing facilities. The college has computer lab facilities which are utilized by the students as part of their curriculum. Regular service and maintenance of the computers are done with the use of plan funds and by the support of PTA funds. UPS and other supporting facilities required for the functioning of computers are ensured with the help of supporting funds. Separate classrooms are allotted for each batch of students and rooms are allotted as per the student strength. Sufficient furniture and other requirements of classrooms are ensured annually through plan funds provided by the department of collegiate education. Repairing and painting works are timely done with the support of the Public Works Department of Govt. of Kerala. Apart from the students at the college who use the facilities, students of courses conducted by the Continuing Education Cell (CEC) also utilize the facilities of the college such as computer labs and classrooms. Classrooms are also allotted for exams conducted by Kerala Public Service, School of Distance Education, and University of Kerala as and when requested.

<http://govtcollegekariavattom.ac.in/wp-content/uploads/sites/25/2021/06/criteria-IV-4.4.2-write-up.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	0	0	0
Financial Support from Other Sources			
a) National	Suvarna Jubilee, State Merit, District Merit, Sanskrit, CH Muhammed Koya, Higher Education, Snehapoorvam, Central sector Scheme, Post matric Scholarship, Post matric Scholarship Disabilities	69	622250
b) International	0	Nil	0

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Athletics coaching camp	25/07/2018	7	DIRECTORATE OF COLLEGIATE EDUCATION PLAN FUND 2018-19 (Order No: A2/372/ 2018/GCK Dated 24/07/2018).
Chess coaching camp (8 days)	25/07/2018	8	DIRECTORATE OF COLLEGIATE EDUCATION PLAN FUND 2018-19 (Order No: A2/372/ 2018/GCK Dated 24/07/2018).
Kho-Kho coaching camp	25/07/2018	12	DIRECTORATE OF COLLEGIATE EDUCATION PLAN FUND 2018-19 (Order No: A2/372/ 2018/GCK Dated 24/07/2018).
Volley ball coaching camp (30 days)	25/07/2018	11	DIRECTORATE OF COLLEGIATE EDUCATION PLAN FUND 2018-19 (Order No: A2/372/ 2018/GCK Dated 24/07/2018).
Cricket coaching camp	25/07/2018	16	DIRECTORATE OF COLLEGIATE EDUCATION PLAN FUND 2018-19 (Order No: A2/372/ 2018/GCK Dated 24/07/2018).
Football coaching camp	25/07/2018	16	DIRECTORATE OF COLLEGIATE EDUCATION PLAN FUND 2018-19 (Order No: A2/372/ 2018/GCK Dated 24/07/2018).
Additional Skill Acquisition Programme	01/01/2018	26	Department of Higher Education Department of General Education
Scholar support programme (2018-19)	01/10/2018	150	Department of collegiate education, Kerala
Bridge Course	01/11/2018	8	Department of Computer Science
WWS	01/11/2018	90	New Initiatives in Higher Education Directorate of Collegiate Education Govt. of Kerala

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	ASAP	26	Nil	Nil	Nil
2018	SSP	150	Nil	63	Nil
2018	PG Entrance Orientation Programmes	19	Nil	13	Nil

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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
Nil	Nil	Nil

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
Nil	Nil	Nil	Nil	Nil	Nil

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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
2019	1	B.Sc	Biotechnology	AJ College	MSc Biotechnology
2019	1	B.Sc	Biotechnology	Madurai Kamaraj Uty	MSc Biotechnology
2019	1	B.Sc	Biotechnology	SN College Kollam	MSc Biotechnology
2019	1	B.Sc	Biotechnology	M.O.S.C. Institute of Health Science	MHA
2019	1	B.Sc	Biotechnology	Govt. Arts College Thycaud	MSc Biotechnology

2019	1	B.Sc	Biotechnology	CUSAT	MSc Biotechnology
2019	9	B.Sc	Biotechnology	University of Kerala	MSc Biotechnology
2019	1	B.Sc	Biochemistry	University of Kerala	MSc Advanced Biochemistry
2019	1	B.Sc	Biochemistry	University of Kerala	MSc Biotechnology
2019	10	B.Sc	Biochemistry	University of Kerala	M.Sc Biochemistry
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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	6
View File	

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

Activity	Level	Number of Participants
French Recitation competition organized by Alliance Française	Zone level	2
English Recitation	University level	1
Tamil Poetry Writing	University level	1
Inter collegiate South Zone Cricket Championship (Men) conducted at L.N.C.P.E Kariavattom	University level	976
Inter Collegiate Kho-kho Championship (Men) conducted at L.N.C.P.E, Kariavattom	University level	168
Inter Collegiate Roll ball Championship (Men and Women) conducted at Central stadium Trivandrum	University level	170
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	Participated in South Zone	National	Nil	Nil	32016108003	Adarsh M L

	Inter University Kho Kho Tournament					
2019	Participated in South Zone Inter University Chess (Women) Tournament	National	Nill	Nill	35017108007	Aparna M A
2019	Participated in 23rd National Road Cycling Championship	National	Nill	Nill	23816108024	Sarath A S
2019	Participated in All India Inter University Cycling Track (Mens) Championship	National	Nill	Nill	23816108024	Sarath A S
2019	Participated in All India Inter University Roll Ball Championship	National	Nill	Nill	22517108043	Reshma Reghunath
2019	Participated in All India Inter University Roll Ball Championship	National	Nill	Nill	22517108042	K S Hima
2019	Participated in All India Inter University Roll Ball Championship	National	Nill	Nill	32817108017	Sruthy P
2019	Participated in All India	National	Nill	Nill	20517108019	Syam M

	Inter University Gymnastics (Men) Championship					
2019	"Participated in Artistic Gymnastic National Championship"	National	Nil	Nil	20517108019	Syam M
2019	Participated in the National Body building Championship	National	Nil	Nil	22516108002	Amal Boban

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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)

In the academic year 2018 - 19, the student union conducted various cultural, sports and other activities. All the students of college participated actively in various programmes. The college union activities started with observation of environmental day on 5th June 2018. An awareness programme regarding protection of environment was conducted followed by planting saplings. A programme was conducted at the college in connection with distribution of relief to victims of Okhi cyclone on 7th June 2018. International Yoga day was observed in the college on 21st June 2018. Anti Narcotic awareness programme was conducted on 21st June 2018. A gender equality programme of "Mathrukam"- a subcommittee of college union was conducted on the campus. Women's day celebrations were conducted on March 8, 2019. The annual arts festival was conducted at the college and selection of candidates were carried out for the participation at university level youth festival. The college union also celebrated various festivals such Onam (Chingam fest), Kerala Piravi Dinam (November fest), Christmas fest and Holi. The Sports Day was organized at the college level and the students were selected for higher level competitions.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

350

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

An invited talk on Personality Development was jointly organised by Alumni Association and Government College Kariavattom by July 2018. The session were

handled by Dr. Aravind (Alumni, Government College Kariavattom). The members of Alumni were utilised for giving talks to special camp 2018 of NSS unit, Government College Kariavattom. Dr. Bharath Govind (Alumni, Government College Kariavattom) gave talk on climate change to the students on 24 December 2018. Alumni members were given their contribution in personally in the collection of relief funds and relief material collection organised by Government College Kariavattom during mega floods August 2018. A representative of Alumni Association serving as member in meetings of all the developmental activities of the College and also in Silver Jubilee Committee during the academic year. Social Media Platform like whatsapp group is created for communication between Alumni members which mainly aims as social interaction among alumni members and helping/supporting the pass out students of the institution in finding jobs/project works/business opportunities etc.

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 triumph of an institution is the result of the combined efforts of all who work towards attaining the vision of the institution. The Principal, Heads of the departments, teaching and non-teaching faculties along with the student union members, class representatives together concentrate on fostering the progress of the institution by sharing the responsibilities and actively participating towards the growth of the institution. Every important decision is presented at the College Council followed by a discussion and suggestion session. The council members are ready to spend their time and energy for the smooth conduct of the various activities of the college. The students are also empowered to play a very important role in the various activities of the college. The non-teaching staffs are well represented and their valuable suggestions are considered while taking important decisions. The college practices decentralized and participative management approach in all its activities, initiatives and decision making. Various committees like (Discipline committee, Anti-Ragging Cell,) and clubs are formed in accordance to government guidelines.

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	Done by the institution as per the rank list provided by the University of Kerala through a centralized admission portal.
Industry Interaction / Collaboration	Industrial interaction through projects by the students of Chemistry Industrial Chemistry and Computer Science. Industrial visits are conducted by the Departments of Chemistry and Industrial Chemistry, Biochemistry , Physics.
Human Resource Management	Training programme for teaching and non-teaching staff Teaching faculty acting as Coordinators/Conveners of

various clubs Guest faculty employed to fill the available vacancies Various positions such as members of various committees and charges of clubs are distributed among the teachers judiciously by the College Council. The college office decides the job allocation of the non-teaching staff. Teachers are given additional charges for various extra-curricular and co-curricular activities

Examination and Evaluation

End Semester Examinations are conducted by the affiliating University. College conducts internal assessments of students every semester according to the University guidelines and are uploaded online. Class tests, assignments, seminars, debates, interactive sessions are conducted by the departments to evaluate the students. CLMC (College Level Monitoring Committee) evaluates the result without fail.

Teaching and Learning

Traditional modes of teaching and learning are well blended with the use of ICT enabled teaching. National seminars and workshops are conducted regularly by each department of the college and the industrial visits offer plenty of opportunities to the students to interact positively with experts from community, industry, research etc. Programmes like Walk With a Scholar and Student Support Programme funded by The New Initiatives in Higher Education, Govt. of Kerala and Additional Skill Acquisition Programme help the students to increase their regional and global employability. Every faculty in the institution maintains a Teacher's Diary in which the teacher keeps a record of the classes taken on daily basis. The IQAC conducts a student appraisal of teachers and take a feedback both from parent and students to evaluate the teaching learning process and suggest measures for improvement.

Curriculum Development

The Curriculum is designed by the University of Kerala. The Curriculum undergoes a revision once in five years. Some of the faculties are members of Board of Studies and Academic Council of the University, associated with the framing and the restructuring of the syllabus. The IQAC takes a feedback from the teachers to evaluate the curriculum.

<p>Research and Development</p>	<p>Publication of research works in peer reviewed journals The Research Committee promotes high quality research. The teaching staffs engage in activities that promote quality research and development. In order to motivate, the institution encourages the faculty members to participate in seminars, workshops, training programmes, courses etc. to be research oriented. The teaching staffs are also well motivated to take up major and minor projected funded by UGC. Two of the faculties have been recognized as Research Supervisor.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>Utilisation of plan fund for development of Laboratory/ library CIUP fund to improve the infrastructure IT grid fund utilized EDUSAT fund for modernization The College library has a huge collection of books and is well maintained. The College encourages the use of ICT based techniques. The Physical infrastructure of the college is given more attention and the work is still in progress. Water cooler cum water purifier is made available in both the blocks. The Physical infrastructure of the college is well maintained by the PTA. The Plan Fund is well utilised for the development of laboratories and the library. A well-equipped gymnasium is maintained by the Department of Physical Education.</p>

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

E-governance area	Details
<p>Planning and Development</p>	<p>The Planning and Development section is partially computerized.</p>
<p>Administration</p>	<p>The Administrative procedure is partially computerized. The Digital Documenting File System (DDFS) is introduced for the online file system of college administration.</p>
<p>Finance and Accounts</p>	<p>Salary of faculty members and staff is transferred directly to the bank account and the salary bills are submitted online to the treasury through the software SPARK (Service and Payroll Administrative Repository for Kerala).. E-Tenders are done.</p>
<p>Student Admission and Support</p>	<p>The entire process of admission is done online through a centralized admission portal of University of Kerala https://admissions.keralaunivers</p>

ity.ac.in/ . The applications of Scholarships are also done online.

Examination

The registration of Students for University exams is done online through the web site <https://exams.keralauniversity.ac.in/> . The results are also declared online.

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
2019	Dr. Bijitha B	Faculty Development Programme	Dept of Higher Education, Kerala	5000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Not Applicable	Institute of Management in Governm ent, Tvpm	05/06/2018	09/06/2018	Nil	2
2018	Not Applicable	Institute of Management in Governm ent, Tvpm	10/07/2018	10/07/2018	Nil	2
2018	Not Applicable	Institute of Management in Governm ent, Tvpm	06/08/2018	10/08/2018	Nil	1
2018	Not Applicable	Training Programme, Teacher's Training College	24/07/2018	26/07/2018	Nil	1
2018	Not	Workshop			Nil	1

	Applicable	,Kerala State Higher Educational Council	18/07/2018	19/07/2018	
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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
Orientation Programme	2	26/04/2019	23/05/2019	28
Refresher Course by UGC-HRDC	1	15/05/2019	28/05/2019	14
Refresher Course by UGC-HRDC	1	14/11/2018	04/12/2018	21
Refresher Course by UGC-HRDC	2	06/09/2018	26/09/2018	21
Short Term Course	2	01/12/2018	21/12/2018	21
Short Term Course	1	22/11/2018	29/11/2018	8
Short Term Course	1	24/10/2018	31/10/2018	8
Short Term Course	1	18/07/2018	24/07/2018	7
Workshop	1	19/03/2019	23/03/2019	3
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
2	9	Nil	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Various schemes provided by the Government of Kerala - Maternity leave, Loans, Festival Allowances, State Life Insurance, Group Insurance Scheme, General Provident Fund, etc as per KSR/KER rules.	Various schemes provided by the Government of Kerala - Maternity leave, Loans, Festival Allowances, State Life Insurance, Group Insurance Scheme, General Provident Fund, etc as per KSR/KER rules.	KPCR/SC/ST/Minority Fee concessions and e-grants from Govt. of Kerala and other Merit scholarships. A scholarship section is working at College office and Directorate of Collegiate Education.

6.4 – Financial Management and Resource Mobilization

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

Institution conducts internal and external financial audits regularly. The external audit is done by directorate of collegiate education, accountant general (A E) and other government agencies. Audit will be conducted at the end of each financial year. The auditors will visit to college at regular intervals, they will verify all financial transaction with the supporting documents and approval of proper authority for each financial transaction. The financial transactions are accounted in Tally ERP by the college. Audit is conducted in accordance with the auditing standards generally accepted in India. They plan and perform procedure to obtain the reasonable assurance about whether the financial statements are free from material misstatements. Auditor will examine on a test basis evidences, supporting for the amounts and disclosure in the financial statements. It also includes assessing the accounting principles used and management estimates and evaluation of overall financial statements presentation. Based on such audit, will issue audit report of for True and Fair view on the financial statements.

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
PTA	1185100	General purpose for the welfare of students
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6.4.3 – Total corpus fund generated

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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	No	NIL	Yes	IQAC
Administrative	Yes	Accountant General (AE) Kerala, Department of Collegiate Education Kerala	Yes	Principal

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

Support the smooth conduct of admissions Timely maintenance of public utilities Supports the students in their club activities Arrangement of the various programmes/functions of the college

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

Nil

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

Upgrading the facilities Introduction of new course Construction of new

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Prelude Conference Role of digital technologies in governance	16/10/2018	16/10/2018	16/10/2018	124
2019	National Seminar on Geographica 2019- remote sensing and GIS	05/01/2019	05/01/2019	05/01/2019	76
2019	National Seminar on Biomedical Research: changing paradigms overtime	30/01/2019	30/01/2019	01/02/2019	237
2019	National Seminar on Recent Trends in Chemistry	05/02/2019	05/02/2019	07/02/2019	254
2019	National Seminar on Omics approaches in Biotechnology	13/02/2019	13/02/2019	15/02/2019	215
2018	Seminar on Kalalayam Sargathmakatha Nishabdatha	27/11/2018	27/11/2018	27/11/2019	96
2018	Internal Assessment through Internals exams	24/07/2018	24/07/2018	01/08/2018	721
2019	PG Orientation	12/02/2019	12/02/2019	18/03/2019	146

	Program				
2019	Celebration on International year of periodictable (IYPT-2019)	27/03/2019	27/03/2019	27/03/2019	82
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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
Penpulari	08/03/2019	08/03/2019	100	56
Kaiyezhuthu	08/03/2019	08/03/2019	35	Nil
Self defence training programme	25/09/2018	25/09/2018	75	Nil

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
<p>The Encourage students to use reusable things (ink pens, steel tiffin boxes) so as to reduce the impact of plastic on the environment The Institution strictly follows green protocol while conducting seminar. The college does not encourage the use of plastic flex banners. students are advised to not bring plastic in the college to make campus plastic free. The students of the department conduct awareness programme regarding the non-burning of plastic as a part of reducing atmospheric carbon level The trees surrounding the college contribute to effecting carbon neutrality. As far as possible, students and staff avail public transport facility The college has a proper waste processing system which generates manure for the plants and garden in the campus. Timely repair of furniture is done to reduce solid waste. Sanitary napkin Incinerators installed in girl's toilet. We have the culture of using energy in a thrifty manner that all the unnecessary connections are disconnected after the class hours and during holidays. Our office monitors that no lights, fans or air conditioners work during off hours and thus we reduce our electricity consumption E waste managed by arranging the distributors themselves to take back our irreparable electronic commodities to be recycled or processed professionally.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Ramp/Rails	Yes	1
Scribes for examination	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to	Number of initiatives	Date	Duration	Name of initiative	Issues addressed	Number of participating
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	address locational advantages and disadvantages	taken to engage with and contribute to local community					students and staff
2018	1	1	05/06/2018	1	Coastal cleaning	Public place cleaning	20
2018	1	1	07/06/2018	1	Relief to ockhi victims	Financial crisis	500
2018	1	1	22/07/2018	7	Voluntary services during flood by students	Financial crisis, essential needs	550
2018	1	1	26/09/2019	1	cleaning premises of kaniya puram bus stand	Environmental conservation and cleanliness	100
2019	1	1	05/01/2019	1	Geographic2019	Career guidance counselling for higher secondary school students	50
2019	1	1	19/03/2019	1	Blood donation camp	Donated blood to blood bank of Govt Medical college TVPM	340
2019	1	1	17/02/2019	1	Yuvathadiyodopam	River rejuvenation programme	52

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

Title	Date of publication	Follow up(max 100 words)
Code of conduct for principal, teaching staff	04/06/2018	The institution follows the code of conduct of the governing body. The code of conduct for teaching and nonteaching staff conveyed through

		meetings conducted by Principal. The principal ensures that teaching and nonteaching staff follows them properly.
Code of conduct for students	04/06/2018	Code of conduct for students is displayed in the notice board of the college campus. Student should maintain punctuality, regularity, carry identity card in regular base, refrain from ragging, refrain from damaging college properties, access college notice board for latest updates etc.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
World Environment Day	05/06/2018	05/06/2018	200
International Yoga day	21/06/2018	21/06/2018	50
International day against drug abuse	21/06/2018	21/06/2018	150
French food festival	18/07/2018	18/07/2018	40
Gandhi Jayanti celebration	02/10/2018	02/10/2018	400
Independence day celebration	15/08/2018	15/08/2018	100
Science day celebration	27/02/2019	27/02/2019	150
Republic day celebration	26/01/2019	26/01/2019	120
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Planting of saplings Introduction of a butterfly park Mushroom cultivation Green protocol is followed during Seminars. Flex is avoided. Making a vegetable garden College canteen follows Green protocol.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

<p>BEST PRACTICE-1 1. Title Model examination conducted to prepare students for the public examination 2. Objective Students does not have an idea of the pattern of the university examination especially the first semester students. In order to equip them for the exams, to get an idea of the pattern, timing, style of answering, marks allotted etc., model examination in the same pattern as the university examination conducted every semester. 3. Context Although the</p>
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students listen to the classes most of them do not have the ability to write the answers properly according to the marks or they lack the way to approach the questions properly. Also they can't keep the timing in examinations. In order to tackle all these issues model examination in the same pattern as university examination is regularly conducted. . 4. Practice The students are given time to prepare for the model examination. With the financial help from PTA, the model exam coordinators collect questions from all the department, take copies, arrange teachers for invigilation and provide sealed answer sheets for the students. 5. Evidence of Success The students find the model examination very helpful as they get tackled easily with the questions and timing of the exam. Because of this they could reciprocate well in the public examination. 6. Problems Encountered and Resources Required No problems were encountered. Both the students and teachers community cooperated well. BEST PRACTICE-2 1. Title Orientation and awareness for MSc entrance examination 2. Objective To help the students secure good marks in the final examination and also to help them to qualify the entrance examinations for PG. 3. Context Most of the students are from economically poor background. They may not be equipped with necessary books or resources for preparing for entrance examination. In this context the faculties of the department help them to qualify the examination by providing necessary classes, instructions and textbooks or study materials 4. Practice Students after regular class hours are encouraged to stay back and given classes in important areas by all teachers of the department 5. Evidence of Success Many students got enrolled in different universities/higher educational institutions for PG courses 6. Problems Encountered and Resources Required The working hours need to be adjusted accordingly to the availability of resources in the institutes.

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

<http://govtcollegekariavattom.ac.in/wp-content/uploads/sites/25/2021/07/Best-Practices-2018-19.pdf>

7.3 – Institutional Distinctiveness

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

The College has constantly shown profound interest in social welfare and Environment friendly activities. We have a very enthusiastically functioning crew comprising of Institutional Social Responsibility Forum (ISRF), Nature Club, NSS and NCC working meticulously as a team in various programmes in these directions. We conducted/organised various activities in this year. Environmentally friendly activities With the intension to uphold the environmentally friendly activities we celebrated World Environment Day on June 5th 2018. The students of our college along with several Faculty members cleaned the College campus and planted several tree saplings. They also participated in cleaning Shanghumukham Coastal area and Kaniyapuram bus stand. As a part of Gandhi Jayanthi celebration, we carried out cleaning programme organized at Central Railway Station, Thiruvananthapuram. Our students did preparatory works for cultivation in certain areas in Gandhipuram near Sreekaryam. Among the various activities, the NSS special camp gave thrust to environment related activities like socio-economic survey on nearby water bodies, beautification of premises setting up of a Garden in the Medical College Health Centre, Pangappara. As a part of the programme, Yuvatha Nadinodoppam initiated by NSS cell University of Kerala, fifty-one volunteers conducted several activities related to river conservation such as 'puzhanadatham', cleaning of river banks, planting of bamboo sapling in the river banks etc. along the Vamanapuram river near Venjaramoodu. The City Corporation's 'Green Army' leads the green protocol campaign activities for

Attukal Pongala and students from this College actively worked hand in hand with the Green Army. NCC unit of the College organised a 'Walk with the River' programme. The Cadets participated in cleaning and beautification of river banks of Bonacaud hill station. An organic farm, a drip irrigation system, butterfly park and mushroom cultivation were implemented in our college. Social welfare activities 'Ockhi' cyclone had hit many parts of India as well as coastal areas of Kerala in November 2017 severely affecting lives of many. We are collected an amount of Rs.1,30,000/- from teachers, students and the public. The sum was handed over to three students belonging to the affected area for their educational purpose. The state witnessed an unprecedented flood that began in the last week of July and lasted till the third week of August which devastated several lives and resources. Immediately after the disaster, the Rapid Relief Team (part of Institutional Social Responsibility Forum) of the College and NSS together initiated relief activities. Money and necessary items were collected from entire College community and sent to the affected area. Our students served as collection agents in the different collection centres and also served in the Sankumukham Helipad for carrying collected materials to different areas as per requirement. Our students also participated a massive post disaster activity in highly flood affected areas of Chengannur organized by NSS Cell, University of Kerala. The NSS Unit in our college organized a Blood Donation Camp to make the students aware of the necessity of blood donation to save the lives of needy.

Provide the weblink of the institution

http://govtcollegেকariavattom.ac.in/wp-content/uploads/sites/25/2021/08/InstitutionalDistinctiveness2018_19.pdf

8.Future Plans of Actions for Next Academic Year

Upgrade UG departments to PG Departments. Upgrade campus facilities including the construction of the new buildings UGC-NET, PSC, Civil Service Coaching Classes Ensure research activities and publications Conduct national and international workshops/seminars. Creation of Blood Group data bank of students (BC) Screening for lifestyle diseases among general Public (BC) MSc Zoology Entrance and Medical Entrance (Zoology) Quantitative analysis of contaminants in preserved fishes (Zoology) General health awareness class for nearby Govt. School Students (BC) Microbial analysis of water or food from local sources(BT) Microbial culture facility for external research students (BT) Entrepreneurship for students - Product making and Marketing (BT) Molecular Biology - Techniques demonstration to school students and teachers (BT) Coaching material for entrance - MSc Biotechnology (BT) Plant identification facility for the Public and research students(Botany) Preparation of local flora - Kazhakkuttom Ward(Botany) Conduct special outreach programme for school students to create awareness about the advances in the field of biochemistry and conduct hands on training and to critical thinking and enhance scientific temper.