Yearly Status Report - 2016-2017

Part A	
Data of the Institution	
1. Name of the Institution	**GOVERNMENT COLLEGE, KARIAVATTOM, THIRUVANTHAPURAM,KERALA**
Name of the head of the Institution	**Dr. S. RAMDULARI**
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/25/2021/07/AQAR-2015-16-Final.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-2016-17.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	**B**	**2.47**	**2016**	**29-Mar-2016**	**28-Mar-2021**

6. Date of Establishment of IQAC	**27-Mar-2014**

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		
IQAC Meeting	27-Jun-2016 1	691
CLMC Meeting	09-Jun-2016 1	5
DLMC Meeting	02-Jun-2016 1	4
DLMC Meeting	09-Jun-2016 1	4
DLMC Meeting	04-Jul-2016 1	4
Students Feedback	21-Feb-2017 8	250
Feedback from parents	30-Nov-2016 1	79
Post-Graduation Orientation Programme	08-Feb-2017 15	11
National Seminars	21-Nov-2016 2	211
Invited Talk	11-Jul-2016 97	97
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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
Instituition	Plan Fund	State Govt.	2016 365	35888276
Instituition	Non plan Fund	State Govt.	2016 365	635299
Instituition	Construction and maintenance (PWD)	State Govt.	2016 365	31400000
Individual	Minor Project	UGC	2015 365	320000
Individual	Minor Project	UGC	2016 365	65000
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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	**2**

year :	
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)

Sustenance and enhancement of quality education: All departments were directed to make action plan for the academic year. Took steps to collect feedback from students regarding teachers' performance, conduct of course and overall performance of institution. Feedback analysis was carried out and intimated to faculties of all departments. Periodic tests/internal exams/model exams were conducted by all Departments as per the instructions by IQAC. Students' performance was discussed in PTA meetings. Students were mentored through WWS/SSP/ASAP programmes. Several students sought admission for post graduation.

Promotion of Research activities among faculties: Two faculties from Department of Biochemistry have a UGC Minor Research Project Two Faculties are Research Supervisors Faculty from Biochemistry won best Poster Award for National Seminar Publications : Fifteen research papers were published by the faculties of the college in international peer reviewed journals. Two papers have been published in Journals of National repute. Two book chapters were also published. Paper Presentations: Faculties have made presentation in five International Conferences and six National Seminars. Participation: Faculties of various departments have attended around fifty National Seminars and International Conferences. Two Faculties have worked as Resource person.

Conducted three National Seminar and one Invited Talk: National Seminars: Department of Physics Theoretical Perspectives of Physics Department of English "Igniting the Imagination" Department of Biotechnology Research Proposals in Modern Biotechnology Invited Talk: Department of Zoology "Aquaponics"

Achievement in Sports: Students of the college won Gold medal in Junior South Zone National Kho Kho Silver medal in Senior National Taekwondo Championship, All India Inter University Taekwondo Championship Bronze medal in Junior National Kho Kho, South Zone National Senior Kho Kho Championship, Junior National Taekwondo Championship, Senior National Taekwondo Championship.

Involvement in environment friendly activities: Took initiatives in planting saplings in the campus, conducted environment awareness programmes, started organic vegetable garden.

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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 guide departments for Promotion of good teaching – learning process	More faculties conducted ICT enabled classes. Mentoring and career orientation was done through Walk with Scholar program. Weak students were assisted through Scholar support program/ Remedial teaching. College follows tutorial system to provide a better understanding of individual students and bring out their highest potential. Bridge course was conducted by department of Computer Science for Ist year students. The attendance of the students is also regularly monitored at the end of each semester by the College Level Monitoring Committee (CLMC). Feedbacks were collected from students regarding performance of teachers and Institute as a whole. Feedback analysis was carried out. Internal Examinations were conducted. Based on it, performance of students was assessed. PTA meetings were organised to discuss students' performance. Students of Department of Biotechnology, Geography and Industrial Chemistry secured University Ist rank for B.Sc.
To orient students for career advancement	PG entrance coaching classes were conducted. More than one third of passed out students from various departments sought admission to M.Sc
To encourage Student skill development	25 students enrolled under Additional Skill Acquisition Programme (ASAP) and were given training and orientation classes. Hands on training were given in respective subjects while carrying our Project work by final year Students.
To Enhance Laboratory Facilities	Lab equipments/Chemicals/ biochemicals were purchased according to requirement of concerned departments
To Upgrade Library	34 Books were purchased according to requirement of departments
To promote Continuing education cell (CEC) to conduct courses	Four Diploma courses (one year) were conducted. 228 students enrolled
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 setters, University Examinations Question paper setters, University Examinations Chairman, Board of examiners, University Examinations Member, Malpractice prevention squad 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/KTET Subject experts, Kerala PSC Expert, Comprehensive Teacher Transformation Programme Member of Selection Board, for appointment of Contractual Teacher, Sainik School, Kazhakoottam
To encouraging quality research among faculties	Publications by Faculties: Fifteen research papers were published by the faculties of the college in international peer reviewed journals. Two papers have been published in Journals of National repute. Two book chapters were also published. Paper Presentation by faculties: Faculties have made presentation in five International Conferences and six National Seminars. Faculty from Biochemistry won best Poster Award for National Seminar. Two Faculties have been Resource person Two faculties are Research guides Minor Research Project: Two faculties from Department of Biochemistry have UGC Minor Research Project.
To encourage faculties to participate in Faculty development programmes	Six faculties attended Refresher course, four attended Orientation course, two attended Short term course, one attended Pre Commission (PRCN) Course for ANONCC, and four attended Residential Training Programme.
To encourage conduct of Seminars	Department of Physics, English, BiotechnologyBotanyZoology conducted National Seminars. Dept. of Zoology conducted Invited Talk on Aquaponics
[View File](#)	

14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
College Council	31-May-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	2017
Date of Submission	04-Mar-2017
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Following is functional in the College: • Teaching and non teaching staffs mark attendance using Biometric 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. • There is CCTV and Security Systems in all classrooms, labs and around the premises of the college. • College has a public addressing system to communicate to teachers and students • 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

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 Hardware Networking	15/09/2016	365	In the field of Networking	Windows administration, Linux Administration, Network Administration
Nil	Professional Diploma in Civil Engineering	15/09/2016	365	Opportunities in Construction sector	Construction Supervisor, Civil foreman, land surveyor
Nil	Professional Diploma in Computerised Instrumentation	15/09/2016	365	Applied Electronics and Instrumentation	Instrumentation Technician Instrumentation fitter

Nil	Advanced Diploma in Logistics and Retail Management	15/09/2016	365	Opportunities in Warehousing and inventory , Import Export, Shipping, Aircargo	Warehousing and inventory , Import Export, Shipping, Aircargo
Certificate Course in Accounting Technician	Nil	01/11/2016	180	Job opportunities in Accountancy and Tax management	Accounting Skills
CERTIFICATE COURSE IN JUNIOR CORRE SPONDENT	Nil	01/11/2016	180	Media and Entertainment	Communication, Copy writing
Test Engineer	Nil	01/11/2016	180	Software testers	Software testing

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc	NIL	Nill
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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	01/06/2016
BSc	Geography	01/06/2016
BSc	Biotechnology	01/06/2016
BSc	Chemistry & Industrial Chemistry	01/06/2016
BSc	Statistics	01/06/2016
BSc	Physics and Computer Applications	01/06/2016
BSc	Computer Science	01/06/2016

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

	Certificate	Diploma Course
Number of Students	25	228

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	Nill	Nill
[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
BSc	Physics & Computer Applications	19
BSc	Biotechnology	15
BSc	Computer Science	30
BSc	Physics & Computer Applications	19
BSc	Geography	30
BSc	Biochemistry	25
BSc	Chemistry & Industrial Chemistry	24
BSc	Statistics	27
MSc	Physics	9
[View File](#)		

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 89 of teachers is rated excellent by students. The communication skills, is also excellent for more than 90 of teachers. On an average, 90 percentage of teachers help students to develop an interest in the subject. The presentation style of more than 94 of teachers are also rated high by students. Students also feel that teachers are quite interactive which has helped students a lot to clarify their doubts. According to students, comparatively less percentage of teachers only succeeds in maintaining discipline in the class, which needs to be improved in the coming years. But more than ninety percent of teachers prospers in keeping a good relationship with students. Teachers complete the portions well in advance and 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 of teachers step down to students' level to make concepts understandable. Only 80 percentage of teachers motivate students for extra curricular activities, which also needs to be improved in due course. Nearly 81 of teachers establish a good relationship with parents. Feedback was collected from Teachers with respect to five criteria. On an average nearly 95 of teachers have rated the curriculum to be outstanding and the rest 5 very

good. When 90 of teachers found the academic environment to be excellent, 1 suggested improvement, which needs to be given priority in subsequent years. Only 80 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 of the facilities in libraries. The office administration was excellent to nearly 98 and none was dissatisfied by its functioning. Most of the teachers were satisfied with conventional teaching, but 60 was satisfied with the facility for ICT enabled classes. 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 their course, their present designation and accessibility to college which was rated excellent by more than 90. Teachers often communicate with parents the progress and attendance of students. Moreover, regular PTA meetings are conducted which helps to develop a good rapport between the students, parents and teachers. General body meetings are also conducted and PTA is formed. 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	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MSc	Physics	8	818	10
BSc	Statistics	32	1046	42
BSc	Physics & Computer Applications	24	2244	35
BSc	Geography	24	2514	35
BSc	Computer Science	24	4449	36
BSc	Chemistry & Industrial Chemistry	24	2047	32
BSc	Biotechnology	24	5716	31
BSc	Biochemistry	32	3981	39

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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

| 2016 | 615 | 20 | 44 | 3 | 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	Numberof smart classrooms	E-resources and techniques used
52	22	18	18	1	1
View File of ICT Tools and resources					
View File of E-resources and techniques used					

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

Each department in the college has established tutoring system to cater the individual needs of students and bring out their highest potential. The batches of respective academic year are assigned to a faculty member who acts as their guide and tutor for the entire programme duration. Tutors maintain and update the performance of students (class tests, monthly attendance records, etc.) and offer guidance and counselling when required. The Head of the Department monitors the performance of students and review the activities of tutors and advice them whenever the situation demands. The institution follows SSP and WWS scheme as per the guidelines of the university. The slow and difficult learners were supported with Student Support Program (SSP) so that assigned tutors will take care of 8 students to improve their academic performance. The students who excel in their academic field were brought under the Walk With A Scholar (WWS) programme the mentor will guide 6 students/ mentees to bring them to their highest potential in learning and other co-curricular activities and move along with them to achieve their future goals.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
635	50	1:13

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
45	40	5	5	17

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
2017	Dhanya C. R.	Assistant Professor	National Seminar RBAT- III (2017) University of Kerala- Best Poster Presenting Award
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last	Date of declaration of

			semester-end/ year-end examination	results of semester-end/ year- end examination
BSc	238	5	10/02/2017	19/06/2017
BSc	238	3	30/12/2016	19/09/2017
BSc	238	1	20/01/2017	22/02/2018
BSc	238	6	16/05/2017	28/06/2017
BSc	350	3	27/01/2017	20/10/2017
BSc	350	5	14/12/2016	23/06/2017
BSc	350	6	21/05/2017	19/07/2017
BSc	241	3	30/12/2016	16/10/2017
BSc	241	5	23/02/2017	23/06/2017
BSc	241	6	28/04/2017	10/07/2017

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

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. Their performance in the practical classes also regularly monitored and evaluated at the end of the semester. All the departments follow a tutorial system to ensure individual care to students. Weak students are regularly monitored. Surprise tests 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. After the test papers the results are communicated to the respective parents of those students who scored fewer marks in the examination.

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 Calendar published by the University. At the beginning of the year, an Academic Calendar (Annual Academic Plan) is prepared by the IQAC based on inputs from the University Academic Calendar and Departmental Academic Plans. The preparation of academic calendar ensures that the students get adequate instructional hours and teachers get maximum hours to deliver their courses effectively. The academic calendar is prepared in tune with the conduct of examinations. Schedule of Examinations: The proposed schedule of internal examinations (test paper component) is given in academic calendar so that the students can prepare for them well in advance. 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 centralized 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	Programme	Programme	Number of	Number of	Pass Percentage

Code	Name	Specialization	students appeared in the final year examination	students passed in final year examination	
630	MSc	Physics	9	9	100
225	BSc	Statistics	31	16	51.6
328	BSc	Physics & Computer Applications	23	15	65
205	BSc	Geography	30	22	73.3
320	BSc	Computer Science	26	25	96
241	BSc	Chemistry & Industrial Chemistry	22	8	36.4
350	BSc	Biotechnology	22	21	95.5
238	BSc	Biochemistry	25	22	88
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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/SSS2016_17.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	130000	65000
Minor Projects	730	UGC	440000	0
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Theoretical Perspectives of Physics	Physics	21/11/2016
National Seminar- "Igniting the Imagination"	English	24/11/2016
Research Proposals in Modern Biotechnology	Biotechnology	14/12/2016

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	Nill	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
1	Business Incubation Centre	Kerala State Industrial Development Corporation Ltd (KSIDC)	NIL	NIL	15/02/2017

View File

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	1	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
0	Nill

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	Statistics	1	0
National	Computer Science	1	0
International	Geology	1	1
International	Biochemistry	1	0.2
International	Biochemistry	1	0.6
International	Biochemistry	1	0.8
International	Botany	1	0
International	Physics	1	2.75
International	Physics	1	1.9
International	Physics	1	5.2

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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
Biochemistry	5
Geology	1
English	1

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
Hydrogen sensors based on Pt-loaded WO3 sensing layers	R. Jolly Bose, N Illyaskutty, KS Tan, RS Rawat, MV Matham, H Kohler	EPL (Europhysics Letters)	2016	16	University of Kerala	15
Structural phase modification in Cu incorporated nanostructured zinc sulfide thin films	SR Chalana, R. Jolly Bose, RR Krishnan, VS Kavitha, RS Sreedharan	Journal of Physics and Chemistry of solids	2016	28	University of Kerala	28
Estimation of parameters of Pearson type 1 family of distributions using ranked set sampling	Sajeev Kumar N.K. , AR Sumi	Aligarh Journal of Statistics	2016	0	Department of Statistics, Government College, Thiruvananthapuram, India	Nill
Design of an adaptive constrained based neuro-fuzzy controller for fault detection of a power plant system	Priya R, Elizabeth Sherly	Indian Journal of Computer Science and Engineering	2016	1	University of Kerala, Trivandrum, Kerala 695581, India	1
Progranulin mutation Analysis-Identification of one novel mutation	Jairani P S	Journal, Neurobiology of Aging	2016	5	Department of Neurology, Sree Chitra Tirunal Institute	5

in exon 12 associated with Fronto temporal dementia					for Medical Sciences Technology Thiruvananthapuram	
Long-and short-term variations in shore morphology of Van Island in gulf of Mannar using remote sensing images and DSAS analysis	T. Immanuvel David, M. V. Mukesh, S. Kumaravel, H. M. Sabeen	Arabian Journal of Geosciences	2016	9	Department of Geology, Government College, Thiruvananthapuram, India	9
Chloroform Extract of Solanum trilobatum Inhibits the Progress of Ehrlich Ascites Carcinoma in Mice	H. Sini, K.S.Devi, K.G.Nevin	International Journal of Cancer Research	2016	2	Department of Biochemistry, Government College Kariavattom	2
Antioxidant Aerva lanata Extract Supresses Proliferation and Induce Mitochondria Mediated Apoptosis in Human Hepatocellular carcinoma cell line	Anusha, Sini, Hariharan, Nevin KG	Journal of Experimental Integrative Medicine	2016	4	Department of Biochemistry, Government College Kariavattom	4
Solanum trilobatum beneficially modulates dimethyl benz (a)an	Sini H, Devi KS Nevin KG	Oriental Pharmacy and Experimental Medicine	2017	0	Department of Biochemistry, Government College Kariavattom	Nill

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
thracene induced skin carcinogenesis and erhlich Ascites cell induced solid tumor in mice						
Cytological analysis of callus cultures of diploid musa acuminata cv. njalipoovan	Smitha, P.D., K.R. Binoy and A.S. Nai	Int. J. Infor. Futuristic Res..	2017	0		Department of Botany, Government College, karyavattom	Nill

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
Structural phase modification in Cu incorporated nanostructured zinc sulfide thin films	SR Chalana, R. Jolly Bose, RR Krishnan, VS Kavitha, RS Sreedharan	Journal of Physics and Chemistry of solids	2016	8	28	University of Kerala
Cytological analysis of callus cultures of diploid musa acuminata cv. njalipoovan	Smitha, P.D., K.R. Binoy and A.S. Nair,	Int. J. Infor. Futuristic Res..	2016	Nill	Nill	Department of Botany, Government College, karyavattom
Solanum trilobatum beneficially modulates dimethyl benz (a)an	Sini H, Devi KS Nevin KG	Oriental Pharmacy and Experimental Medicine	2016	3	Nill	Department of Biochemistry, Government College Kariavattom

thracene induced skin carcinogenesis and erhlich Ascites cell induced solid tumor in mice						
Antioxidant Aerva lanata Extract Supresses Proliferation and Induce Mitochondria Mediated Apoptosis in Human Hepatocellular carcinoma cell line.	Anusha, Sini, Hariharan, Nevin KG	Journal of Experimental Integrative Medicine	2016	3	4	Department of Biochemistry, Government College Kariavattom
Chloroform Extract of Solanum trilobatum Inhibits the Progress of Ehrlich Ascites Carcinoma in Mice	H. Sini, K.S.Devi, K.G.Nevin	International Journal of Cancer Research	2016	3	2	Department of Biochemistry, Government College Kariavattom
Long-and short-term variations in shore morphology of Van Island in gulf of Mannar using remote sensing images and DSAS analysis	T. Immanuvel David, M. V. Mukesh, S. Kumaravel, H. M. Sabeen	Arabian Journal of Geosciences	2016	Nill	9	Department of Geology, Government College, Thiruvananthapuram, India
Design	Priya R,	Indian	2016	2	1	

of an adaptive c onstrained based neur o-fuzzy controller for fault detection of a power plant system	Elizabeth Sherly	Journal of Computer Science and Engine ering				University of Kerala, Trivandrum , Kerala 695581, India
Estimation of parameters of Pearson type 1 family of distributi ons using ranked set sampling	Sajeevku mar N.K. and AR Sumi	Aligarh Journal of Statistics	2016	Nill	Nill	Department of Statist ics, Government College, T hiruvanant hapuram, India
Hydrogen sensors based on Pt-loaded WO3 sensing layers	R. Jolly Bose, N Il lyaskutty, KS Tan, RS Rawat, MV Matham, H Kohler	EPL (Eur ophysics Letters)	2016	8	15	University of Kerala
Phase mo dification and surface plasmon resonance of Au/WO3 system	R. Jolly Bose, VS Kavitha, C Sudarsanak umar, VPM Pillai	Applied Surface Science	2016	8	11	University of Kerala

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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/Semi nars/Workshops	1	47	2	Nill
Presented papers	5	6	Nill	Nill
Resource persons	Nill	1	1	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	Number of students participated in such

		activities	activities
Public Place Cleaning and Beautification: Cleaning and Beautification of the premises of Kerala University College of Teacher Education, Kariavattom. Planting of banana sapling and other agricultural activities in the surrounding areas of the campus.	NSS Unit 17 AB, Government College Kariavattom, and Kerala University College of Teacher Education, Kariavattom	2	100
Sub Convener for the conductance of InterZone Boxing-Men, Inter Zone Boxing Female, Inter Zone Kho Kho Men	Department of Physical Education, Government College Kariavattom	1	200
Selector of Kerala University Team- Football- Men	Department of Physical Education, Government College Kariavattom	1	200
Selector of Kerala University Team- Boxing- Men and Women	Department of Physical Education, Government College Kariavattom	1	100
Republic Day Celebrations 2016	NCC Unit, Government College Kariavattom (GCK) , PTA, GCK and Faculty members of GCK	1	50
MERIT DAY CELEBRATIONS AND STONE LAYING FUNCTION FOR NEW AUDITORIUM ON 03/01/2017	PTA, Government College Kariavattom and Faculty members of GCK	12	600
MOTIVATIONAL TALK organized by ALUMNI ASSOCIATION, GOVERNMENT COLLEGE KARIAVATTOM AND YOUNG INDIANS ASSOCIATION AT SEMIANR HALL, GOVERNMENT COLLEGE KARIAVATTOM on 11/02/2017	ALUMNI ASSOCIATION, GOVERNMENT COLLEGE KARIAVATTOM AND YOUNG INDIANS ASSOCIATION	2	300

ENVIRONMENT DAY CELEBRATIONS 2017 ENVIRONMENT DAY CELEBRATIONS 2016 on 05 June 2016	NSS UNIT 17 AB, Bhumitra nature Club GCK, PTA, GCK and College Union GCK in association with KSCSTE, Government of Kerala	2	500

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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Nil	Nil	Nil	Nill

[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 activites	Number of students participated in such activites
AIDS DAY CELEBRATIONS 2016	NSS UNIT 17 A B, Government College Kariavattom	AIDS AWARENESS	3	200

[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
Research Collaboration	Jolly Bose R	Nil	365
Research Collaboration	Jairani P S	Nil	365
Research Collaboration	Priya R	Nil	365
Research Collaboration	H. M. Sabeen	Nil	365
Research Collaboration	Sini H	Nil	365
Research Collaboration	Asha A	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 linkage	Name of the partnering institution/ industry	Duration From	Duration To	Participant

		/research lab with contact details			
Students Project Work	Health Card	Trinity Technologies Limited	02/01/2017	24/03/2017	4
Students Project Work	Agrilife	NOTECH IT SOLUTIONS	02/01/2017	24/03/2017	4
Students Project Work	Craft Bazar	NOTECH IT SOLUTIONS	02/01/2017	24/03/2017	3
Students Project Work	DB Village	NOTECH IT SOLUTIONS	02/01/2017	24/03/2017	3
Students Project Work	Find Near buy	NOTECH IT SOLUTIONS	02/01/2017	24/03/2017	3
Students Project Work	Job Jingle	NOTECH IT SOLUTIONS	02/01/2017	24/03/2017	4
Students Project Work	Dream Nest	NOTECH IT SOLUTIONS	02/01/2017	24/03/2017	3
Students Project Work	E-Worker	NOTECH IT SOLUTIONS	02/01/2017	24/03/2017	3
Students Project Work	Medicare	NeXife	02/01/2017	24/03/2017	3
Students Project Work	Manufacturing of Titanium Dioxide and its industrial importance	Travancore Titanium Products Ltd.	02/01/2017	24/03/2017	22

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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
Nil	Nill	Nil	Nill

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
66195276	34794647

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

Value of the equipment purchased during the year (rs. in lakhs)	Existing
Classrooms with Wi-Fi OR LAN	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
Others	Newly Added
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4.2 – Library as a Learning Resource

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

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

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	17762	5464043	34	21500	17796	5485543
Reference Books	162	411896	Nill	Nill	162	411896
Library Automation	1	19800	Nill	Nill	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
NIL	NIL	NIL	Nill
[View File](#)			

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	74	4	0	0	0	1	13	10	1

| Added | 15 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 89 | 4 | 22 | 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 incurredon maintenance of physical facilites
130363	130363	987845	987845

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	Nil	0	0
Financial Support from Other Sources			
a) National	CH Muhammed koya Scholarship Central Sector Scheme of Scholarships for College and University students Higher Education Snehapoorvam	21	184000
b)International	Nil	Nill	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 implemetation	Number of students enrolled	Agencies involved
Scholar Support Programme (2016-17)	01/09/2016	150	Department of Collegiate Education, Kerala
Bridge Course	01/09/2017	6	Department of Computer Science, Govt. College, Kariavattom
Coaching camp for Hand ball	10/10/2016	12	DCE PLAN FUND 2016-17 for conduct of Sports
Coaching camp for Football	19/09/2016	20	DCE PLAN FUND 2016-17 for conduct of Sports
Coaching camp for Cricket	01/09/2016	16	DCE PLAN FUND 2016-17 for conduct of Sports
Coaching camp for Kho Kho	01/11/2016	12	DCE PLAN FUND 2016-17 for conduct of Sports

Coaching camp for Athletics, Taekwondo and Gymnastics	24/10/2016	10	DCE PLAN FUND 2016-17 for conduct of Sports
Additional Skill Acquisition Programme	01/09/2017	25	Department of Higher Education Department of General Education
Walk with Scholar	01/09/2017	90	New Initiatives in Higher Education Directorate of Collegiate Education Govt. of Kerala
Career Guidance and Counselling	28/03/2017	25	Campus recruitment drive by Volentra Info solutions for hiring Business Development Executives for Vodafone

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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 passedin the comp. exam	Number of studentsp placed
2016	Additional Skill Acquisition Programme (ASAP), Kerala	25	25	2	4
2016	Scholar Support Program (SSP)	150	Nill	61	Nill
2016	PG Entrance Orientation Programmes	16	11	11	Nill

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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
1	1	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Nil	Nill	Nill	Nil	Nill	Nill

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2017	6	B.Sc. Computer Science	Computer Science	University of Kerala	MSc Computer Science
2017	6	B.Sc. Computer Science	Computer Science	College of Engineering, TVM	MCA
2017	1	B.Sc. Chemistry & Industrial Chemistry	Chemistry & Industrial Chemistry	Christian College Chengannur	MSc Chemistry
2017	1	BSc. Biotechnology	Biotechnology	Directorate of Ayurveda Medical education, TVM	Ayurveda nursing
2017	1	BSc. Biotechnology	Biotechnology	Mar Athanasios College	MSc Plant Biotechnology
2017	1	BSc. Biotechnology	Biotechnology	University of Kerala	M.Sc. Microbiology
2017	4	BSc. Biotechnology	Biotechnology	University of Kerala	M.Sc. Biotechnology
2017	1	BSc. Biochemistry	Biochemistry	University of Kerala	M.Sc. Environmental Science
2017	8	BSc. Biochemistry	Biochemistry	University of Kerala	M.Sc. Biochemistry
2017	2	BSc. Biochemistry	Biochemistry	Central Univerity 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

NET	2
Any Other	6
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Organized Theme based competition (setting of Christmas Scene) as part of X-mas Fest.	Institution	550
Organized Theme based competition as part of Diwali Fest	Institution	550
Organized Athapookalam, Thiruvathira and other associated Competitions, as part of Chingam Fest (Regional Festival - Onam)	Institution	550
Organized various cultural activities and competitions as part of Arts Festival DHRUVA 2K17	Institution	550
Organized cricket tournament	Institution	550
Organized football tournament	Institution	550
Organized Kerala University south zone inter collegiate kabbadi (men) tournament	Kerala University level	150
Organized Kerala University Inter zone Inter Collegiate Kho Kho (Men) Tournament	Kerala University level	130
Organized Kerala University Inter zone Inter Collegiate Taekwondo (Men and women) Tournament	Kerala University level	150
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2016	Bronze Medal in Junior	National	1	Nill	32016108 003	ADARSH M L

	National Kho Kho					
2016	Gold Medal in Junior South Zone National Kho Kho	National	1	Nill	32016108003	ADARSH M L
2016	Bronze Medal in South Zone National Senior Kho Kho Championship	National	1	Nill	22514108028	MAHESH M
2016	Senior National Kho Kho Championship	National	1	Nill	22514108028	MAHESH M
2016	Silver Medal in Senior National Taekwondo Championship	National	1	Nill	32016108015	KIRUBA SHANKAR B
2016	Bronze Medal in Junior National Taekwondo Championship	National	1	Nill	32016108015	KIRUBA SHANKAR B
2016	Silver Medal in All India Inter University Taekwondo Championship	National	1	Nill	20514108001	AISWARYA L S
2016	Bronze Medal in Senior National Taekwondo Championship	National	1	Nill	20514108001	AISWARYA L S
2016	Participation in the All India Inter University Kho Kho Ch	National	Nill	Nill	32014108027	VIDYA T S

| 2016 | Particip ation in the Senior National Athletics | National | Nill | Nill | 32814108 023 | SHILBI A P |

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

2016-17 Union report starts with Sree Narayana Gurus words that the building of educational institutions is todays need rather than temples. This academic year commenced with a marked event which has been the laying of the foundation stone of the Academic block by the Honble Minister Sri Kadakampallil Surendran. Another memorable event of the year was the inauguration of the Incubation Centre by the Honble Minister A.C. Moideen. On 6 Dec 2016, College Union had been elected unopposed. Union conducted the Christmas Celebrations with great pomp and vigour on 5 Jan 2017 which left sweet memories of the festive mood to the students gathered there. Valentines Day was also celebrated grandly with the slogan Love, Revolution, Creativity. On 1st March 2017, 92.7 Big FM fame Kidilan Firoz inaugurated the College Union and the Arts Club had been inaugurated by the Vocalist, Prajith Prasanan of VBhaag band. It was followed by the program of another music band Chumaduthaangi. On March 13th Union celebrated Holi colorfully. The Sports Day which the Union organized revealed the remarkable caliber of students in games. They excelled in inter-collegiate competitions and University level competitions. GCK witnessed the excellence of students not only in sports but in cultural activities also. The Dept of PCA won the Overall Championship in Dhruva2017 Arts Festival. Students have won prizes in Kerala University Youth Festival also. The Union report came to an end with a thanksgiving note to students and teachers who had been actively involved in the Union activities.

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 :

A representative of Alumni Association serving as member in meetings of all the developmental activities of the College during the academic year. A gathering of alumni association members was organised by the association in the college. Social Media Platform like whatsapp group is created for communication between Alumni members which mainly aims as social interaction among alumni members and helps 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.
Library, ICT and Physical Infrastructure / Instrumentation	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.
Research and Development	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.
Examination and Evaluation	End Semester Examinations are conducted by the affiliating University. College conducts internals 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.

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

E-governace area	Details
Planning and Development	The Planning and Development section is partially computerized.
Administration	The Administrative procedure is partially computerized.
Finance and Accounts	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. E-Tenders are done.
Student Admission and Support	The entire process of admission is done online through a centralized admission portal. The applications of Scholarships are also done online.
Examination	The registration of Students for University exams is done online. 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
2016	NIL	NIL	NIL	Nill
[View File](#)				

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	Title of the administrative training	From date	To Date	Number of participants (Teaching	Number of participants (non-teaching

	programme organised for teaching staff	programme organised for non-teaching staff			staff)	staff)
2017	NIL	CTFM,Tvpm	20/04/2017	21/04/2017	Nill	1
2016	NIL	Training Programme	19/07/2016	20/07/2016	Nill	1
2016	NIL	Institute of Management in Governm ent, Tvpm	25/07/2016	29/07/2016	Nill	1
2017	NIL	Institute of Management in Governm ent, Tvpm	27/02/2017	03/03/2017	Nill	1
2017	NIL	Institute of Management in Governm ent, Tvpm	08/05/2017	12/05/2017	Nill	1
[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
Residential Training Programme	4	14/02/2017	18/02/2017	5
Refresher Course by UGC-HRDC	1	16/02/2017	08/03/2017	21
Refresher Course by UGC-HRDC	2	14/10/2016	03/11/2016	21
Refresher Course by UGC-HRDC	1	10/08/2016	30/08/2016	21
Refresher Course by UGC-HRDC	1	02/12/2016	22/12/2016	21
Refresher Course by UGC-HRDC	1	02/02/2017	22/02/2017	21

Orientation Programme	4	01/03/2017	28/03/2017	28
Short Term Course	2	20/03/2017	25/03/2017	6
Pre Commission (PRCN) Course for ANO-NCC	1	11/07/2016	30/07/2016	20
Pre Commission (PRCN) Course for ANO-NCC	1	24/10/2016	24/12/2016	60

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
3	7	6	Nill

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. 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	1109440	General purpose for the welfare of students

6.4.3 – Total corpus fund generated
0

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	Nill	Yes	IQAC
Administrative	Yes	AG 's office Trivandrum DCE, Trivandrum	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)

Establishment of a business incubation center in collaboration with KSIDC, Govt. Of Kerala Upgrading the facilities Introduction of new course Construction of new building

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
2016	Meeting of Internal Quality Assurance Cell (IQAC)	27/06/2016	27/06/2016	27/06/2016	11
2017	Meeting of Internal Quality Assurance Cell (IQAC)	22/03/2017	22/03/2017	22/03/2017	14
2016	Meeting of CLMC (College Level Monitoring	09/06/2016	09/06/2016	09/06/2016	5

2016	Meeting of DLMC (Department Level Monitoring Committee)	02/06/2016	02/06/2016	02/06/2016	4
2016	Meeting of DLMC (Department Level Monitoring Committee)	09/06/2016	09/06/2016	09/06/2016	4
2017	Feedback from students	21/02/2017	21/02/2017	28/02/2017	250
2016	Feedback from parents via PTA meetings	30/11/2016	30/11/2016	30/11/2016	79
2017	Post-Graduation Orientation Programme	08/02/2017	08/02/2017	08/02/2017	15
2017	Post-Graduation Orientation Programme	09/02/2017	09/02/2017	09/02/2017	10
2016	Invited Talk	11/07/2016	11/07/2016	11/07/2016	97

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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
Girl students were taken to Mascot Hotel, Thiruvananthapuram to attend a seminar on 'Workforce Parity' conducted jointly by Kerala Women's Development Corporation and Asianet News	08/03/2016	08/03/2016	5	Nill

channel in connection with the International Women's Day of 2016				

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
An open forum was constituted to address issues related to environmental degradation. Students actively presented their views on the use of energy saving and material reuse. The forum aimed at inculcating values of environmental consciousness and awareness about the use of natural resources, energy saving, wastes recycling and reusing. Sustainable energy sources, Climatic Change, Temperature rise over the years were addressed. Students were encouraged to use reusable things (ink pens, steel tiffin boxes) so as to reduce the impact of plastic on environment. Importance of solar energy utilization was put forwarded by geography department students. One day seminar on "Aquaponics" was conducted on 11th July 2016, as part of environment day celebrations. Aquaponics refers to any system that combines conventional aquaculture with hydroponics in a symbiotic environment. This system has high demand now-a-days because it cares the environment in an efficient way.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	1

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
2016	Nill	Nill	Nill	Nill	Nil	Nil	Nill

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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 students	01/06/2016	Identity card is mandatory for students. Class time is from 10.00 am to 3.30 pm. Students should reach campus before 10.00 am in the morning. Other extracurricular activities such as Scholar Support Programme (SSP), Walk With Scholar (WWS) and ASAP classes are engaged for students from 3.30– 4.30 pm.

Students are encouraged to attend the coaching classes provided by mentors/tutors after class hours. Students are encouraged to use department libraries, common library, computer lab and health club during non-teaching hours. Ragging is strictly prohibited in the campus. Mobile phones are banned inside the classrooms. http://govtcollegekariavattom.ac.in/wp-content/uploads/sites/25/2021/07/code-of-conduct-2016-17.pdf

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
The voice of Young Indians globally	28/10/2016	28/10/2016	200
Celebration of Keralappiravi	01/11/2016	01/11/2016	250
Observation of World AIDS day	01/12/2016	01/12/2016	400

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

Major focus was on creating "Plastic free Campus". Student volunteers of Nature Club took charge of educating the members and classmates to collect bits of plastic from the campus premises and handed over to Trivandrum corporation. To replant trees and fruit crops in the available area. The students refilled water in their bottles instead of buying plastic drinking water bottles. This largely reduced wastage of plastic in the campus. Greenery was brought back, student supported in planting flowering plants and grasses in the botanical garden in front of B block.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Creation of Blood Group data bank of students to create an awareness among students about the importance of knowing their blood group and to help others through blood donation. 2. MSc Biochemistry entrance coaching classes for BSc final year students to help the students secure good marks in the final examination and also to help them to qualify the entrance examinations for PG 3. Support to first year students by conducting bridge course (CS) The Bridge course plays a vital role to bridge the gap caused and to help students by giving special attention to them by taking extra hours in logic development and the covering the basics of the programming language paper included in First semester.

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/Instituitional-best-practices-2016-17.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 maintains a Blood Group Data Registry which is updated every academic year. Voluntary blood donors are the cornerstone of a safe and adequate supply of whole blood as well as components of blood such as plasma. The safest blood donors are voluntary, nonremunerated blood donors from low-risk populations which include healthy individuals of relatively lower age group especially the college students. So as part of social commitment, the college regularly arranges blood donation campaigns. In the current academic year nearly 70 students and 8 faculty members have voluntarily participated in the blood donation. Apart from this as per the requirement, the students serve as blood donors for the nearby hospital blood banks. The students at this college along with the teaching and non-teaching staff have taken steps to provide mid-day meal to the needy bystanders of patients at Government Medical College, Thiruvananthapuram. Towards realizing this commitment, students as well as the teaching and non-teaching staff have initiated a programme whereby packed food from their respective homes were brought to the campus on a bimonthly basis and was arranged for distribution. The students of this college along with the NSS volunteers have taken initiative for public place cleaning, beautification and setting of organic vegetable garden at the nearby educational institutions. Campus Cleaning and planting of tree sapling were carried out in the campus. The plants around the campus was taxonomically identified and displays were exhibited showing their taxonomic identification.

Provide the weblink of the institution
http://govtcollegekariavattom.ac.in/wp-content/uploads/sites/25/2021/07/Institutional-distinctiveness-2016-17.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) 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) Conduct PG Orientation Programmes Plant identification facility for the Public and research students(Botany) Preparation of local flora – Kazhakkuttom Ward(Botany)