Yearly Status Report - 2015-2016

Part A	
Data of the Institution	
1. Name of the Institution	**GOVERNMENT COLLEGE, KARIAVATTOM, THIRUVANANTHAPURAM, 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, Kariavattom P.O.**
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	**sabeenhm@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://govtcollegekariavattom.in/wp-content/uploads/2017/07/GCK-ssr.pdf

4. Whether Academic Calendar prepared during the year

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-2015-16.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

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 IQAC	Date & Duration	Number of participants/ beneficiaries

Internal Quality Assurance Cell (IQAC) Meeting	09-May-2015 1	7
Internal Quality Assurance Cell (IQAC) Meeting	16-Mar-2016 1	8
CLMC (College Level Monitoring Committee) Meeting	16-Oct-2015 1	6
CLMC (College Level Monitoring Committee) Meeting	16-Mar-2016 1	6
DLMC (Department Level Monitoring Committee) Meeting: Biochemistry	03-Jul-2015 1	4
DLMC (Department Level Monitoring Committee) Meeting: Biotechnology	08-Jun-2015 1	2
Feedback from students	22-Feb-2016 6	230
Feedback from parents via PTA meetings	18-Jun-2015 1	67
National Seminars	06-Jan-2016 6	550
PG Entrance Orientation Programmes	02-Feb-2016 1	17
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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	State Govt.	2015 365	5396100
Institution	Non plan fund	State Govt.	2015 365	375583
Institution	Construction & Maintenance (PWD)	State Govt.	2015 365	10500000
Faculty	UGC Minor Research Project	UGC	2015 730	320000
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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 :	**2**
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)

• **Seminars conducted: Department of Computer Science conducted National Seminar for three days on "ICT Innovations and Applications". Department of Biotechnology conducted National Seminar on "Current Trends in Life Sciences".**

One faculty from Department of Biochemistry has a Minor Research Project. Publications:Two research papers were published by the faculties of the college in international peer reviewed journals. Five book chapters were also published. Paper Presentation: One paper was presented in international conference and three papers in national seminars. Seminar participation: The faculties of the college participated in 41 seminars and conferences of national and international level.

• **Continuing Education (CE) cell Four Diploma courses were run by CE cell; Professional Diploma in Hardware & Networking, Professional Diploma in Civil Engineering, Professional Diploma in Computerised Instrumentation, Advanced Diploma in Logistics and Retail Management. 32 students enrolled for the courses.**

• **Extension Activities In association with IQAC, • Faculty of Geography has contributed to LMS and posted classes on Consortium for Educational Communication, UGC, EMMRC, Mysore University (PG level) platform. • Department of Geography conducted Mobile Based Asset Mapping-Training Programme by Deputy Director of Panchayath. Three faculties and more than 100 students participated. • Cartographic Survey and Techniques: Department of Geography conducted an extension class on survey from 14/09/2015 to 16/09/2015 for M.Sc Geology students of SN College Varkala. • NSS conducted blood donation camp. Four faculties and more than 200 students participated. Cleaning, Beautification and setting up of vegetable garden was done in the premises of Kerala University College of Teacher Education, Kariavattom. Two faculties and more than 100 students participated.**

• **Student participation in Sports: Students of the college had the following achievement: • Gold medal for Inter University Athletics, Federation Cup National Junior Athletics, National Junior Athletics, South zone National Junior Kho Kho and Senior National Taekwondo. • Bronze medal in Federation Cup National Junior Athletics, National Junior Kho Kho and Inter University Taekwondo.**

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 Upgrade Library facility	• Funds were utilized for purchase of furniture and nearly thousand Books.
To encourage external study programmes	• Study Tour and Institute visits were conducted by by Geography, Zoology/Botany, Chemistry, Physics, Computer Science and Biochemistry Departments
To encourage Students to participate in Sports activities	• Gold medal for Inter University Athletics, Federation Cup National Junior Athletics, National Junior Athletics, South zone National Junior Kho Kho and Senior National Taekwondo. • Bronze medal in Federation Cup National Junior Athletics, National Junior Kho Kho and Inter University Taekwondo. • Participated in Inter University Kho Kho, Cycling and Gymnastics.
To promote Career Guidance Activity	• Skill development classes were conducted by five organisations.
To promote Students skill development programmes	• Additional Skill Acquisition Programme (ASAP): 23 students enrolled and were trained under ASAP. • Hands on training in various procedure/techniques were given during conducting Project as a part of curriculum. • Hands on training on interested research area provided by biotechnology. • Talk on latest technologies by external agencies were organised by Department of Computer Science.
To promote field/lab projects by students	• Students of Department of Biotechnology, Physics and Computer Applications, Computer Science, Geography, Biochemistry and Statistics conducted field studies and projects under guidance of respective faculties of the college.
To promote Students welfare activities	• College has a Grievance redressal cell that looks into Students grievances and its solution. There is an active Discipline committee, anti ragging cell and anti narcotic cell functioning in the college.

To promote Students support	• Students of the college got District Merit Scholarship, KSHEC Scholarship, KSHEC Sanskrit Scholarship, Suvarna Jubilee Scholarship, Mothertheresa Scholarship, C H Mohammedkoya Scholarship, Central Sector Scholarship, Post-matric Scholarship for minorities. • Bridge course was conducted by department of Computer Science for first year students. • Journal Club activities were conducted weekly once. • Blood grouping camp was organised for first year students by Department of Biochemistry. • Awareness classes on nutrition, how to maintain health wellness and the effects of nutritional deficiencies was organised by Department of Biochemistry.
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 • Subject experts, Kerala PSC • Expert, Comprehensive Teacher Transformation Programme • Observer, KEAM
To guide departments for Promotion of good teaching – learning process	• Students were provided ICT enabled classes • College follows tutorial system. • Student mentoring through WWS/SSP • Remedial classes were given for weak students • Feedback was collected from students and feedback analysis was carried out students • Internal Examinations were conducted and Students performance was discussed in PTA meetings • Students of Department of Physics (M.Sc), Biotechnology, Geography, Industrial Chemistry secured Ist rank at University level. • PG entrance coaching classes were givewn to final year students. More than twenty five percent of students passed out from various departments sought admission to Post Graduate courses.

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
College Council	30-Dec-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No

16. Whether institutional data submitted to AISHE:	Yes

Year of Submission	2016

Date of Submission	10-Mar-2016

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)	The following systems are fully functional in the Institute: Teaching and non teaching staff follows Biometric Attendance System. Library is fully automated and uses the software BOOKMAGIC Version 4.0 since 2007. All official matters are communicated via Institutional email system. There is CCTV and Security Systems in all classrooms, labs and around the premises of the college. Software system Service and Payroll Administrative Repository for Kerala (SPARK) available for employee management.

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 powerpoint 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 standards in teaching, learning and evaluation processes. 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	15/09/2015	365	Windows , Linux and Network administrator	Windows , Linux and Network administrations
Nil	Professional Diploma in Civil Engineering	15/09/2015	365	Construction supervisor, Civil foreman, Land surveyor	Construction supervision, Land surveying
Junior Software Developer -	Nil	01/11/2015	180	Software developer in IT field	Software developing

JAVA					
Global Business Foundation Skills	Nil	01/11/2016	180	IT and other business fields	Basic fountation skills to equip them for employment

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	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	01/06/2015
BSc	Biotechnology	01/06/2015
BSc	Chemistry & Industrial Chemistry	01/06/2015
BSc	Computer Science	01/06/2015
BSc	Geography	01/06/2015
BSc	Physics and Computer Applications	01/06/2015
BSc	Statistics	01/06/2015

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

	Certificate	Diploma Course
Number of Students	23	96

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
0	Nill	Nill

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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	Statistics	21
MSc	Physics	8
BSc	Biochemistry	31
BSc	Biotechnology	15
BSc	Chemistry and Industrial Chemistry	27

BSc	Computer Science	27
BSc	Geography	30
BSc	Physics and Computer Applications	26

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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 emphasizing thirteen criteria. The subject knowledge of nearly 88 of teachers is rated outstanding by students. Communication skill is excellent for more than 90 of teachers. On an average, 88 of teachers help students to develop interest in the subject by motivating the students. The presentation style of more than 94 of teachers is also rated high by students. Students find teachers approachable to clarify their doubts. Comparatively less percentage of teachers succeeds in maintaining discipline in the class, which needs improvement. But more than 90 of teachers prosper in keeping good relationship with students. The teachers are regular and punctual and complete portions well in advance. Teachers 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. More than 98 of teachers could step down to students' level to make concepts understandable. Yet, students feel that only 80 percent of teachers motivate them for extracurricular activities. Establishing a good relationship with parents is also considered excellent for nearly 80 of teachers. 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 in the coming years. The office administration was excellent to nearly 98. Though most of the teachers were satisfied with conventional teaching, only 60 was satisfied with 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. Relevant feedback was collected from Alumni. More than 90 of the alumni rated their course to be excellent and majority feel the college to be accessible. Teachers often communicate the progress and attendance of students with parents in regular PTA meetings. This naturally helps to develop a good rapport between the students, parents and teachers. General body meetings are also conducted where parents of all students of the college are invited. Parent representations from each year (1, 2 and 3) are made and form members of the PTA. 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 analyzed 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
BSc	Statistics	32	923	35
BSc	Physics & Computer Applications	24	1984	26
BSc	Geography	24	2153	29
BSc	Computer Science	24	3785	26
BSc	Chemistry & Industrial Chemistry	24	1879	25
BSc	Biotechnology	24	4503	28
BSc	Biochemistry	32	3463	31
MSc	Physics	8	1050	9
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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
2015	584	17	46	3	1

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
50	15	16	16	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 provide a better understanding of individual 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.). The tutors collect the information regarding the student's basic details and offer guidance and counselling when required. The Head of the Department monitor the performance of students and review the activities of tutors and advice them whenever the situation demands. Besides the institution follows SSP and WWS scheme as per the guidelines of the university. The learners who were identified slow in their learning process were given special care under the Student Support Program (SSP). Each SSP 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 where a 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
601	50	1:12

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
46	40	6	6	15

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
2015	Nil	Nill	Nil

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BSc	350	4	15/01/2016	20/07/2016
BSc	350	3	10/08/2015	21/12/2015
BSc	350	2	08/02/2016	24/08/2016
BSc	350	1	06/07/2015	26/11/2015
BSc	238	6	09/12/2015	25/04/2016
BSc	238	5	20/08/2015	16/11/2015
BSc	238	4	15/01/2016	20/07/2016
BSc	238	3	10/08/2015	21/12/2015
BSc	238	2	08/02/2016	24/08/2016
BSc	238	1	06/07/2015	26/11/2015

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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. The performance of students 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. The attendance of the students is also regularly monitored at the end of each semester by the College Level Monitoring Committee (CLMC). The performance of the students is communicated to the respective parents. Besides a model exam for S1 students started to conduct in the college primarily focusing to familiarize with the university exam pattern as they are new to a higher level of exam scheme.

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. The 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 internal assessments are carried out for each semester at the institution as per the guidelines of the university calendar. The internal examinations (Class assessments and test papers) are conducted by respective departments under the supervision of HODs. 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 to ensure transparency and unbiasedness in evaluation.

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	8	7	87.5
225	BSc	Statistics	29	13	44.8
328	BSc	Physics & Computer Application	27	20	74
205	BSc	Geography	25	18	72
320	BSc	Computer Science	27	22	81.5
241	BSc	Chemistry & Industrial Chemistry	20	14	70
350	BSc	Biotechnology	21	19	90.5

238	BSc Biochemistry	32	29	90.6

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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/Student-Feedback-Report_2015-16.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	320000

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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
National Seminar for three days on "ICT-Innovations and Applications" sponsored by Department of Collegiate Education, Kerala	Computer Science	06/01/2016
National Seminar- "Current Trends in Life Sciences"	Jointly organised by Department of Biotechnology, Department of Botany and Department of Zoology	10/02/2016

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
0	Nil	Nil	Nil	Nil	Nill

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International

| 0 | 0 | 0 |

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

Name of the Department	Number of PhD's Awarded
Nil	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	Biochemistry	1	0
International	Biochemistry	1	3.07
International	Botany	1	0.99
International	Physics	1	3.92
International	Physics	1	4.09

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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	1
Computer Science	5
Geology	1

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Bio-distribution and in vivo/in vitro toxicity profile of PEGylated polymer capsules encapsulating LaVO 4: Tb 3 nanoparticles for bioimaging applications	CR Dhanya, Jaishree Jeyaraman, PA Janeesh, Akansha Shukla, Sri Sivakumar, Annie Abraham	RSC advances	2016	8	University of Kerala	6
Effect of annealing	V. P. Mahadevan Pillai V.	Materials Science in	2015	5	University of Kerala	5

on the structural and optical properties of laser ablated nanostructured barium tungstate thin films	S. Kavitha, R. Reshmi Krishnan, R. Sreeja Sreedharan, R. Jolly Bose, N. Venugopala Pillai, V. Ganesan, P. Sreenivasan, V. Ragavendran, S. Muthunatesan	Semiconductor Processing					
Effect of thermal annealing on the phase evolution of silver tungstate in Ag/WO3 films	R Jolly Bose, R Sreeja Sreedharan, R Resmi Krishnan, VR Reddy, Mukul Gupta, V Ganesan, SK Sudheer, VP Mahadevan Pillai	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2015	7		University of Kerala	6
Toxicity Studies on Chloroform Extract of Solanum trilobatum: Effect on Drug Metabolizing and Antioxidant Enzymes in Rats	K.G. Nevin H. Sini, K.S. Devi	International Journal of Cancer Research	2015	2		Department of Biochemistry, Government College Kariavattom, University of Kerala	1
Plantlet development through development of cormlet from bract meristem of four diploid banana cultivars from south	Smitha PD, Binoy kR and Ashalatha R	International Journal of Current Science and Technology	2015	0		Department of Botany, Government College Kariavattom, University of Kerala	Nill

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Toxicity Studies on Chloroform Extract of Solanum trilobatum: Effect on Drug Metabolizing and Antioxidant Enzymes in Rats	K.G. Nevin H. Sini, K.S. Devi	International Journal of Cancer Research	2015	3	1	Department of Biochemistry, Government College Kariavattom
Plantlet development through development of cormlet from bract meristem of four diploid banana cultivars from south india	Smitha PD, Binoy kR and Ashalatha R	International Journal of Current Science and Technology	2015	Nill	Nill	Department of Botany, Government College Kariavattom
Effect of thermal annealing on the phase evolution of silver tungstate in Ag/WO3 films	R Jolly Bose, R Sreeja Sredharan, R Resmi Krishnan, VR Reddy, Mukul Gupta, V Ganesan, SK Sudheer, VP Mahadevan Pillai	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2015	8	6	University of Kerala
Effect of annealing on the structural and	V. P. Mahadevan Pillai V. S. Kavitha, R. Reshmi	Materials Science in Semiconductor Processing	2015	8	5	University of Kerala

optical properties of laser ablated nanostructured barium tungstate thin films	Krishnan, R. Sreeja Sreedharan, R. Jolly Bose, N. Venugopala Pillai, V. Ganesan, P. Sreenivasan, V. Ragavendran, S. Muthunatesan						
Bio-distribution and in vivo/in vitro toxicity profile of PEGylated polymer capsules encapsulating LaVO4 : Tb3 nanoparticles for bioimaging applications	CR Dhanya, Jaishree Jeyaraman, PA Janeesh, Akansha Shukla, Sri Sivakumar, Annie Abraham	RSC advances	2016	8		7	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/Seminars/Workshops	5	36	Nill	Nill
Presented papers	2	5	Nill	Nill

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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Mobile Based Asset Mapping- Training Programme by Deputy Director of Panchayath on 01/10/2015	Department of Geography, Government College Kariavattom	3	119
Public Place	NSS Unit 17 AB,	2	100

Cleaning and Beautification: Cleaning, Beautification and setting up of vegetable garden in the premises of Kerala University College of Teacher Education, Kariavattom	Government College Kariavattom, and Kerala University College of Teacher Education, Kariavattom			
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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 Awareness	NSS UNIT 17 A B, Government College Kariavattom	Celebrating AIDS DAY on 1 December 2015	2	100
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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	2	NIL	365
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Nil	NIL	NIL	Nill	Nill	0
[View File](#)					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of

			students/teachers participated under MoUs
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
14940000	4413497

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
BOOKMAGIC	Partially	4	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	16777	5014472	985	449571	17762	5464043
Reference Books	151	349220	11	62676	162	411896
e-Books	Nill	Nill	Nill	Nill	Nill	Nill
Journals	Nill	Nill	Nill	Nill	Nill	Nill
Digital Database	Nill	Nill	Nill	Nill	Nill	Nill
CD &	Nill	Nill	Nill	Nill	Nill	Nill

Video						
Library Automation	1	19800	Nill	Nill	1	19800
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill
Others(specify)	Nill	Nill	Nill	Nill	Nill	Nill

View File

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Nil	Nil	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	0	0	0	0	0	0	0	0	0
Total	74	4	0	0	0	1	13	10	1

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
Online Resources Initiatives of Collegiate Education (ORICE)	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
46080	46080	4000000	0

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. 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 asper 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	National Schemes	25	201500
b)International	Nil	Nill	0
View File			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Scholar support programme	01/09/2015	150	Department of Collegiate Education , Kerala
Walk With Scholar	01/09/2015	90	New Initiatives in Higher Education, Directorate of Collegiate Education, Govt. of Kerala
Additional Skill Acquisition Programme	01/09/2015	23	Department of Higher Education and Department of General Education
Bridge Course	01/09/2015	4	Department of Computer Science
Career Guidance and Counselling-Employability Skill Assessment tests	22/10/2015	14	Trinity Skillworks
Career Guidance and Counselling	03/11/2015	18	TCS - Trivandrum Peepul Park office
Career Guidance and Counselling	13/01/2016	19	Wipro Academy of Software Excellence
Career Guidance and Counselling	16/01/2016	13	IAS division of ETEN, Pearson education Services in association with ALS Delhi
Career Guidance and Counselling	21/01/2016	22	TCS - Trivandrum Peepul Park office
Career Guidance and Counselling	08/02/2016	18	White Collar Global, recruiters based in UAE
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2015	ASAP	23	Nill	Nill	Nill
2015	SSP	150	Nill	60	Nill
2015	PG Entrance Orientation	18	Nill	11	Nill

Programmes					

[View File](#)

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

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

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
Nill	1	BSc. Biotechnology	Biotechnology	University of Kerala	M.Sc. Environmental Science
Nill	1	BSc. Biotechnology	Biotechnology	National College Thiruvananthapuram	M.Sc. Bioinformatics
Nill	1	BSc. Biotechnology	Biotechnology	S.N. College Kollam, Kerala	M.Sc. Zoology
Nill	1	BSc. Biotechnology	Biotechnology	MG University, Kerala	M.Sc. Biotechnology
2016	1	BSc. Biotechnology	Biotechnology	Central University of Kerala	M.Sc. Biotechnology
2016	2	BSc. Biotechnology	Biotechnology	CUSAT	M.Sc. Biotechnology
2016	2	BSc. Biotechnology	Biotechnology	University of Kerala	M.Sc. Biotechnology
2016	1	BSc. Biochemistry	Biochemistry	University of Kerala	MSW
2016	9	BSc. Biochemistry	Biochemistry	University of Kerala	M.Sc. Biochemistry
2016	1	BSc. Biochemistry	Biochemistry	Central University	M.Sc. Biochemistry

					of Kerala	

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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	3
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 Kerala University South Zone Inter Collegiate Kabbadi (Men) Tournament	University	150
Organized Kerala University Inter zone Inter Collegiate Kho Kho (Men) Tournament	University	130
Organized Kerala University Inter zone Inter Collegiate Taekwondo (Men and Women) Tournament	University	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
2015	Gold medal in All India Interuniversity Athletics	National	1	Nill	32814108023	SHILBI A P
2015	Gold Medal in Federation cup National junior Athletics	National	1	Nill	32814108023	SHILBI A P
2015	Bronze Medal in Federation cup National junior	National	1	Nill	32814108023	SHILBI A P

	Athletics					
2015	Gold Medal in National junior Athletics	National	1	Nill	32814108 023	SHILBI A P
2015	Gold medal in All India Interunive rsity Athletics	National	1	Nill	32813108 027	SHIELDA A.P
2015	Bronze Medal in National junior Kho Kho	National	1	Nill	22514108 028	MAHESH M
2015	Gold Medal in south zone National junior Kho Kho	National	1	Nill	22514108 028	MAHESH M
2015	Gold medal in senior national	National	1	Nill	23812108 023	RESHMA V
2015	Gold medal in senior national Taekwondo championsh ip	National	1	Nill	20514108 001	Aiswarya L.S

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

The members of the College Union were elected unanimously on 4 Dec 2015 and they took charge of their positions in the swearing ceremony held at the Seminar Hall in our College on 14 Dec 2015. With the vision of seeding up creativity in every field the College Union has started functioning on 14 Dec 2015 itself for the academic year 2015-16. The members of the Union have ensured their sincere efforts and whole hearted support for the betterment of the college. The College Union was officially inaugurated on 16 Feb 2016 by the respected Mayor of Trivandrum Adv.V K Prasanth and it was followed by an inspiring speech from him. On the same day Arts Club of our College was officially inaugurated and the stage was set for the students to showcase their talents in Arts. Union has conducted a photo fest competition in the 'Nalukettu' block which revealed the photography skills of students. Department of Physics with Computer Applications bagged first prize in competition. Christmas was celebrated with great pomp by conducting competitions like x-mas carol, best Santa, best class décor, best crib etc. The active participation from all the departments made the endeavor a grand success. The Department of Statistics won overall championship in the Christmas Day Competitions. The long

awaited dream of a College canteen has been gratified on the 8th of February2016. It was inaugurated by the PWD Engineer Ms Dheeja Bhai in the presence of the Principal, former principal, staff and students. The Union conducted a Three Day Sports on the 1st 2nd and 3rd of March 2016 which revealed the remarkable caliber of students in games. Department of Geography won the Cricket match and Department of Statistics became victorious in the Football match.. College also witnessed the excellence of students not only in sports but in cultural activities also. In the Kerala University Youth festival which was held in Chengannur more than 100 students from this college participated. The 2015 – 16 Arts Fest was flagged off by the Principal of Government College, Kariavattom by giving an attractive name Dhruva 2K16 with Adona Lenin , Alif A K and Sreejith M as Conveners. The programs were conducted with great splendor which left an indelible impression on students.The Department of Biochemistry has won the overall championship in Dhruva 2K16. College Union celebrated Holi, the festival of colors, on 28 March 2016 with varioushues which added radiance to the campus. The Union conducted College Day grandly on 31 March 2016 andthereby brought an end to the whole year GCK celebrations. The function was inaugurated by our Principal and was followed by various cultural events. The Union activities have thus come to a magnificent end with these cultural events.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

0

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

0

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 and clubs are formed in accordance to the 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	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. The Teaching and the non-teaching staff are encouraged to take up different training programmes to improve their efficiencies.
Library, ICT and Physical Infrastructure / Instrumentation	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 and CIUP fund are 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 (WWS) and Student Support Programme (SSP) 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
2015	Nil	Nil	Nil	Nill
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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)
2015	Not Applicable	Institute of Management in Government, Tvpm	08/06/2015	10/06/2015	Nill	1
2015	Not Applicable	Institute of Management in Government, Tvpm	10/07/2015	13/07/2015	Nill	1
2015	Not Applicable	Institute of Management	06/07/2015	06/07/2015	Nill	1

| 2015 | Not Applicable | Training Programme | 21/12/2015 | 23/12/2015 | | Nill | 1 |
| 2015 | Not Applicable | TIPTIP Training Programme | 29/12/2015 | 31/12/2015 | | Nill | 1 |

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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
Refresher Course by UGC-HRDC	1	25/11/2015	15/12/2015	21
OPTIMA, Training programme for Govt College Teachers, Loyola College, TVM	2	13/10/2015	17/10/2015	5
OPTIMA, Training programme for Govt College Teachers, Loyola College, TVM	2	15/09/2015	19/09/2015	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	10	Nill	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Various Schemes provided by the Government of Kerala – Maternity leave, Loans, Festival Allowances-festival advance,festival bonus, State Life Insurance, Group Insurance Scheme, General Provident Fund, Medical Reimbursement, etc as per KSR/KER rules.	Various Schemes provided by the Government of Kerala – Maternity leave, Loans, Festival Allowances-festival advance,festival bonus, State Life Insurance, Group Insurance Scheme, General Provident Fund, Medical Reimbursement, etc as per KSR/KER rules.	? KPCR/SC/ST/Minority Fee concessions ,E-grants from Govt. of Kerala and other Merit scholarships were provided. A scholarship section is working in College office and Directorate of Collegiate Education. ? Financial support to the needy students in the form of endowments,

		Seeking medical aid as and when required, Assistance to youth festival, Assistance to sports, Assistance to study tour, Subsidized rates for food items supplied through college canteen. Fee concession in courses offered by the Continuing Education Cell.

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	672150	General purpose for the welfare of students
[View File](#)		

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 ? Financial support to various club activities ? Arrangement of the various programmes/functions of the college ? Financial and physical support to cultural programmes of students

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

? Staff meetings and discussions ? Helps to conduct various club activities

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

? Establishment of a business incubation centre in collaboration with KSIDC, Govt. Of Kerala ? Upgrading the facilities ? Applied for starting of new course ? Submitted proposal for 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	Internal Quality Assurance Cell (IQAC) Meeting	09/05/2015	09/05/2015	09/05/2015	7
2015	Internal Quality Assurance Cell (IQAC) Meeting	16/03/2016	16/03/2015	16/03/2016	8
2015	CLMC (College Level Monitoring Committee) Meeting	16/10/2015	16/10/2015	16/10/2015	6
2015	CLMC (College Level Monitoring Committee) Meeting	16/03/2016	16/03/2016	16/03/2016	6
2015	DLMC (Department Level Monitoring Committee) Meeting: Biochemistry	03/07/2015	03/07/2015	03/07/2015	4
2015	DLMC (Department Level Monitoring Committee) Meeting:	22/07/2015	22/07/2015	22/07/2016	4

	Biochemistry				
2015	Feedback from students	22/02/2016	22/02/2016	26/02/2016	230
2015	Feedback from parents via PTA meetings	18/06/2015	18/06/2015	18/06/2015	67
2015	National Seminars	06/01/2016	06/01/2016	08/01/2016	250
2015	PG Entrance Orientation Programmes	02/02/2016	02/02/2016	02/02/2016	17

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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
Nil	Nill	Nill	Nill	Nill

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
To inculcate environmental consciousness among students the college observed world environmental day on Fifth May 2015 and nearly forty five students participated the programme.

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
2015	Nill	1	01/10/2015	1	Mobile based asset mapping-training program by deputy director	Asset mapping of local Self-Government bodies	119

| 2015 | 1 | Nill | 14/09/2015 | 3 | Cartographic survey and analysis | Preparation of Layout Map of the College | 13 |

[View File](#)

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

Title	Date of publication	Follow up(max 100 words)
Nil	Nill	Nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Observed World Environment Day	05/06/2015	05/06/2015	250
Observed International AIDS Day	01/12/2015	01/12/2015	200

[View File](#)

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

Students are instructed to avoid plastic water bottles, lunch boxes, disposable cups and plates. Students participated in planting saplings as part of Ente Maram project. Spiral binding of project reports is not promoted. Cooler facilities provided in different blocks for water refilling. Students are encouraged to use public transport instead of private vehicles. PVC flex is replaced with cloth flex as much as possible.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE-1 Title Determination of permanent hardness of water Objective To determine the hardness of water in the areas nearby to the college using EDTA titration method so that the students can understand the application of methods being taught. This practice will also create an awareness among the locals about the quality of water they use so that they can take remedial measures if required. Context Hardness is primarily a function of the geology of the area with which the surface water is associated. Determining the hardness of the water has significance particularly in industrial and domestic purpose. When hard water is heated solid deposits of calcium carbonate can form in home appliances like water heaters, which in turn can reduce the life of equipment, raise the costs of heating the water, lower the efficiency of electric water heaters, and clog pipes. Many adverse health effects also exist including those affecting skin and hair. It is important to note that the hardness of water is not reported in most water quality assessments. Although some of the minerals in hard water might be beneficial, it might be important to keep the water moderately hard as various studies have suggested that they could negatively affect the recipients of the water. As such, certain filtration methods should be used to reduce the hardness of the water and maintain a desirable calcium and magnesium concentration. Practice EDTA titration method is the best method to determine the hardness of water. By applying this method to determine the hardness of water samples from the surrounding houses of the college, the

students will learn to apply the theoretical things studied to real life problem. It also generates a sense of social awareness to the students. Evidence of Success Water samples were collected from different houses in different areas and temporary and permanent hardness of water was determined. Presence of chlorides, sulphate, carbonates etc. are analysed in the sample. Chemical Oxygen demand COD was also estimated. Problems Encountered and Resources Required Complete purity of water could not be tested due to the lack of facilities. Available laboratory facilities and chemicals were used for analysis. BEST PRACTICE-2 1. Title Assessment of drinking water quality by MPN analysis. 2. Objective a. To test drinking water quality in water samples collected from the nearby hostels where students reside. b. To ensure whether the water is safe to drink/consume. 3. Context The practice was undertaken by the department after a series of water borne illness were reported by the hostel inmates. The students were curious to investigate the quality of water they consume. Boiled water provided from the hostels and well water samples were analysed. 4. Practice MPN is the most applied method for quality testing of water to ensure whether the water is safe or not in terms of bacteria present in it. A group of bacteria commonly referred to as faecal coliforms act as indicators of faecal contamination in water. The presence of very few faecal coliform bacteria would indicate that water probably contains no disease-causing organisms, while the presence of large numbers of faecal coliform bacteria would indicate an extremely high probability that the water could contain disease causing microorganisms making the water unsafe for consumption. It was the first approach to look into drinking water quality in the selected source. 5. Evidence of Success Presence of coliforms at hazardous levels were observed. From the results, it was evident that the drinking water supplied at nearby hostel facilities were not adequately boiled there no adequate boiling was done prior to supply for consumption at hostels. Mixing up of cool and boiled water might be the reason for water borne illness. 6. Problems Encountered and Resources Required No specific problems encountered. Resources required include media, culture facility, incubators, source of distilled water. Notes For ensuring the quality of drinking water in any institution, this is the most appropriate method that can be followed. The department would like to include testing of food toxins/ adulterants/ food safety standards as future best practises. BEST PRACTICE-3 Title Engaging talks for students from external agencies on latest technologies and advancements. Objective To familiarize students with latest technologies not included in the programme but used by the industry. It also helps them in securing slots for their Major Projects with these institutions. To have advanced learning on the technologies that is included in the curriculum. To introduce students to the corporate world and the practices followed by each organization. To provide students with an opportunity to use latest software tools and hardware equipment. Context The field of computer science is a dynamic and ever changing one. Students need to be aware of the latest and recent trends available in the industry. The students have various tools and technologies as part of their curriculum but owing to the constraints of the syllabus only preliminary knowledge is imparted to the students albeit, the need of time bound completion of the syllabus. The practical application of the technologies cannot be dealt in depth also due to the time constraint. Students need to be aware of these changes and hence to introduce these to them personnel related to industry are invited to deliver content regarding state of art and cutting-edge technologies. In the busy, time bound scheme and schedule of the syllabus, necessary time has to be found and allotted for conduct of such programs. Practice The students were introduced to the latest technologies like Python, Android, .Net technology and the application domain of these technologies. Training for programming and implementing using these were given. They were introduced to hardware platforms such as Raspberry Pi and software using these were implemented as part of their project. As part of implementation of projects other hardware devices and

sensors that are not available with an educational institution were also provided by the institutes. Evidence of Success Students got enrolled with the institutions for undergoing the major projects that were available as part of their curriculum and were able to successfully complete their projects with these institutes. Problems Encountered and Resources Required Problems-The working hours and class curriculum provided for implementation of the projects need to be adjusted accordingly to the availability of resources in the institutes. Solutions-If in house training can be provided by these institutes it would save much time for the students. Introduction of industrial visits to institutes can be incorporated within the syllabus. Notes Provision for conduct of technical tours and industrial visits as part of curriculum will be appreciated. Provision for frequent collaboration with industry or industry personnel is desirable. BEST PRACTICE-4 Title Support for first year students through bridge course. Objective The Eligibility of the BSc Computer Science program includes Mathematics as one of the subjects in their higher secondary course. Though most of the students have studied Computer Science in their school, a few students will be admitted each year who have not studied Computer Science as one of their papers in 12th standard, since it is not mandatory. These students find it difficult to cope up with Logic development and Programming skills in the beginning of their degree. 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. Context Students with non-CS background are identified for the course. The main challenges faced are: 1. They should not feel they are poor in logic development 2. Time for the course need to be identified, since this can be done only during extra hours. Both these were tackled by giving classes by the concerned teachers during lab hours by giving extra concentration on those students. Since all students are there in the lab, these students will not feel down. Classes were handled during free hours too. The progress of these students was assessed by giving home assignments and asking them to solve new problems each day. Practice The following advantages of the course make it unique. 1. It is Fast – done during the first semester of the student 2. Easy to understand – Handled by their own teachers and explanation to the students' level. 3. Flexible – no fixed timing, can be changed based on convenience of the attendees. Evidence of Success The university results of students for programming paper in first semester Problems Encountered and Resources Required Resources required- books and computers. The books in the library and computers in the computer lab were utilise for the course.

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-2015-16.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 staff and students of the institution are keenly interested in the well being of the society in all aspects. The Institution ensures and promotes active participation of its members in socially relevant programs. In the current year, the College conducted the following activities: 1. Blood Donation Camp The college conducts regular blood donation campaigns in collaboration with the blood banks of the following medical institutions: Government Medical College Thiruvananthapuram, Regional Cancer Center Thiruvananthapuram (RCC) and Sri Chitra Tirunal Institute of Medical Sciences and Technology (SCTIMST). This year NSS initiated a blood donation camp in which more than 200 students and 4

faculties had participated. 2. Blood Group Registry A blood group registry is maintained by the College which comprises blood group details of all the students and faculty members. The registry is updated in the beginning of every academic year and is referred for selecting volunteers for blood donation as per the demand from nearby hospitals and health centers. 3. Public Place Cleaning NSS volunteers were involved in cleaning and beautification of premises of Kerala University College of Teacher Education, Kariavattom. A vegetable garden focused on Organic farming was also set up at the center. More than 100 volunteers and 2 faculty members had actively participated.

Provide the weblink of the institution
http://govtcollegekariavattom.ac.in/wp-content/uploads/sites/25/2021/07/Institutional-Distinctiveness-2015-16.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)