

ANNUAL QUALITY ASSURANCE REPORT of IQAC

2011-12



Govt. College for Women
Thiruvananthapuram

Government College for Women
Thiruvananthapuram-14

SUBMITTED TO

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL [NAAC]

BANGALORE

The Annual Quality Assurance Report (AQAR) of the IQAC-
2011 APRIL - 2012 MARCH

Part – A

1. Details of the Institution

1.1. Name of the Institution

Govt. College for Women

1.2. Address Line 1

Vazhuthacaud, Thycaud P.O.

Address Line 2

Thiruvananthapuram

City/Town

Thiruvananthapuram

State

Kerala

Pin Code

695014

Institution e-mail address

gcwtvpm@gmail.com

Contact Nos.

O: 0471 2324986

Name of the Head of the
Institution:

Dr. P. G. Sushama

Tel. No. with STD Code:

O: 0471 2324986

Mobile:

9446550164

Name of the IQAC Co-ordinator:

Dr. M. Sankara Sarma

Mobile:

IQAC e-mail address:

1.3. NAAC Track ID (*For ex. MHCOGN 18879*)

1.4. NAAC Executive Committee No. & Date:
(*For Example EC/32/A&A/143 dated 3-5-2004. This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate*)

1.5. Website address:

Web-link of the AQAR:

1.6. Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	86.30	2005	5 years
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7. Date of Establishment of IQAC:

1.8. AQAR for the year (*for example 2010-11*)

1.9. Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

- i. AQAR 2007-08 (10/07/2008)
- ii. AQAR 2008-09 (29/09/2010)
- iii. AQAR 2009-10 (24/08/2011)
- iv. AQAR 2010-11 (20/06/2014)

1.10. Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No
(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women
Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B
Grant-in-aid + Self Financing
Totally Self-financing

1.11. Type of Faculty/Programme

Arts Science Commerce Law

PEI (Phys Edu) TEI (Edu) Engineering

Health Science Management

Others (Specify)

1.12. Name of the Affiliating University (*for the Colleges*)

1.13. Special status conferred by Central/ State Government UGC / CSIR / DST / DBT / ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes Any other (Specify)

UGC-COP Programmes

2. IQAC Composition and Activities

- 2.1. No. of Teachers
- 2.2. No. of Administrative/Technical staff
- 2.3. No. of students
- 2.4. No. of Management representatives
- 2.5. No. of Alumni
- 2.6. No. of any other stakeholder and community representatives
- 2.7. No. of Employers/ Industrialists
- 2.8. No. of other External Experts
- 2.9. Total No. of members
- 2.10. No. of IQAC meetings held
- 2.11. No. of meetings with various stakeholders: No.
- Faculty Non-Teaching Staff
- Students Others
- 2.12. Has IQAC received any funding from UGC during the year?
- Yes No
- If yes, mention the amount
- 2.13. Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State

Institution Level

(ii) Themes

2.14. Significant Activities and contributions made by IQAC

2.15. Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
To improve extension activities and hence institutional social responsibility.	NSS unit of the college organized a mega camp at 'Mahila Mandiram' Poojappura from 22-28 December 2011. Many innovative programmes like the 'One day-One Rupee' Programme, Raising of vegetables and ornamental gardens etc. were charted out during the camp. The Department of Psychology offered counselling in 45 cases
To jointly organize a Science exhibition in connection with the International Year of Chemistry (IYC) by all the science departments.	A three days' exhibition - Nuclear Expo 2011-was conducted from 30-11-2011 to 02-12-2013, jointly by all the science departments of the college receiving financial support from State Bank of Travancore (SBT), Artisan Development Corporation (ARTCO) and the Director of Collegiate Education. More than 2000 students from other educational institutions of the city visited the exhibition.

* **Academic Calendar of the year is attached as Annexure II.**

2.15. Whether the AQAR was placed in statutory body

Yes No

Management Syndicate Any other body

Provide the details of the action taken

Part – B

Criterion – I

1. Curricular Aspects

1.1. Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	9	-	-	-
PG	16	-	-	-
UG	16	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	317	-	-	-
Others		-	-	-
Total	359	-	-	-

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2. (i) Flexibility of the Curriculum: CBCSS with Core, Elective option and Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	16 UG, 16 PG
Trimester	-
Annual	16 UG

1.3. Feedback from stakeholders* (*On all aspects*)

Alumni Parents Employers Students

Mode of feedback Online Manual

Co-operating schools (for PEI)

**Analysis of the feedback from Students and Parents in Annexure III & IV*

1.4. Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

No

1.5. Any new Department/Centre introduced during the year. If yes, give details.

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1. Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
177	73	104	Nil	Nil

2.2. No. of permanent faculty with Ph.D.

61

Asst. Professors	Associate Professors	Professors	Others	Total
34	27	0	Nil	61

2.3. No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Associate/Assistant Professors	
R	V
0	Nil

2.4. No. of Guest and Visiting faculty and Temporary faculty

23

2.5. Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended		155	
Presented papers		89	
Resource Persons		13	

2.6. Innovative processes adopted by the institution in Teaching and Learning:

ICT enabled teaching and learning was introduced with the help of interactive whiteboard, LCD projector, Plasma TV etc

Language Lab is used to familiarize students with the various accents used worldwide in English language to give them listening skills and practice in pronouncing English.

2.7. Total No. of actual teaching days during this academic year

190

2.8. Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Examination/ Evaluation are according to the rules and regulations of University of Kerala.

2.9. No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

30

2.10. Average percentage of attendance of students

91

2.11. Course/Programme wise distribution of pass percentage:

Year	Department	UG		PG			
		Result (%)	University rank if any	Result (%)		University rank if any	
2011-12	Botany	87	-	100			
2011-12	Chemistry	100	-	77.78		I	
2011-12	English	81.08	-	72.22		-	
2011-12	Malayalam	66	-	90		I, III	
2011-12	Industrial Microbiology	90.90	I,II,III	No PG Course is offered			
2011-12	Physics	95	II	100		II, III	
2011-12	Zoology	100	II	100		III	
2011-12	Home Science	84	-	FN*	EE*	FN*	EE*
				100	100	I, II	Nil
2011-12	Economics	79	-	EC*	BE*	EC*	BE*
				92.31	90	-	I, II, III
2011-12	History	60	-	92.31		-	
2011-12	Commerce	92	I	No PG Course is offered			
2011-12	Hindi	94	-	92.31		I, III	
2011-12	Philosophy	78	II	100		I, II, III	
2011-12	Psychology	98	I	70		I, II, III	
2011-12	Mathematics	95	-	70.59		-	
2011-12	Music	63	-	100		I, II, III	

* **FN**- Food & Nutrition, **EE**- Extension Education **EC**-Economics, **BE**-Business Economics

2.12. How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- The college has a well constituted IQAC which is empowered to provide its directions/suggestions with regard to teaching-learning process in the institution
 - i) Development and design of quality programmes for various academic and administrative activities of the college.
 - ii) Facilitating a learner centric environment in the college for imparting quality education.
 - iii) Advice and provide necessary training required for acquiring knowledge and technology for participatory teaching and learning process.
 - iv) To ensure proper maintenance of computers, smart class rooms, and other modern equipments as per demands of the respective departments.
 - v) The college planning committee and purchase committee works on IQAC advice.
 - vi) The IQAC makes necessary arrangement for obtaining feedback responses from students, parents and other stakeholders which has been used for continuous quality improvement drives.
 - vii) The IQAC takes lead role in organization of inter and intra institutional workshops, seminars on quality related themes and advise faculty members to submit projects and get funds from various agencies like University Grants Commission, Department of Science and Technology, Department of Bio Technology, Council for Scientific and Industrial Research (CSIR), Kerala State Council for Science, Technology and Environment (KSCSTE), Indian Council of Philosophical Research (ICPR), National Rural Health Mission (NRHM), Higher Education Council,
 - viii) In addition to this the IQAC documents various programmes and activities of the institution for enabling future reference and improving the teaching learning process. Data available are further analyzed to highlight areas requiring further follow up.

2.13. Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	13
UGC – Faculty Improvement Programme	14
HRD programmes	2
Orientation programmes	09
Faculty exchange programme	Nil
Staff training conducted by the university	7
Staff training conducted by other institutions	8
Summer / Winter schools, Workshops, etc.	21
Others	Nil

2.14. Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	42	0	0	0
Technical Staff	25	0	0	0

Criterion – III

3. Research, Consultancy and Extension

3.1. Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- To purchase more books/periodicals and subscribe online resources.
- To publish separate journals for Pure and Applied Science, Humanities and Social Sciences.
- To avail various research grants.
- To apply for more research projects.
- To undertake more PhD programmes.
- To apply for national seminars/workshops.
- To publish their research finding in referred journals.
- To put in research culture among students through their UG and PG projects.
- To present more papers in national/international seminars.
- To choose areas of research relevant to the needs of the community.
- To make surveys, analyze the findings and disseminate the information.
- To engage in consultancy and generate fund.

3.2. Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	Nil	Nil	Nil
Outlay in Rs. Lakhs	6.14			

3.3. Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	5	2	-	5
Outlay in Rs. Lakhs	4.9	2.2	-	4.9

3.4. Details on research publications

	International	National	Others
Peer Review Journals	2	0	0
Non-Peer Review Journals	0	26	0
e-Journals	0	0	0
Conference proceedings	0	0	0

3.5. Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6. Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2010-13	UGC	6,14,000/-	6,14,000/-
Minor Projects.	2011-13	UGC	2,00,000/-	1,20,000/-
Interdisciplinary Projects	Nil			
Industry sponsored	Nil			
Projects sponsored by the University/ College	2011-12	University of Kerala	25,000/-	25,000/-
Students research projects (<i>other than compulsory by the University</i>)	2011-12	Govt. of Kerala	63,000/-	63,000/-
Any other	Nil			
Total			9,02,000/-	8,22,000/-

3.7. No. of books published i) With ISBN No.

ii) Without ISBN No.

iii) Chapters in Edited Books

3.8. No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST

DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme

INSPIRE CE Any Other (specify)

3.10. Revenue generated through consultancy

3.11. No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	Nil	5	4	-	-
Sponsoring agencies		UGC, DCE			

3.12. No. of faculty served as experts, chairpersons or resource persons

3.13. No. of collaborations International National Any other

3.14. No. of linkages created during this year

3.15. Total budget for research for current year in lakhs:

From Funding agency

From Management of University/College

Total

3.16. No. of patents received this year

3.17. No. of research awards/ recognitions received by faculty and research fellow of the institute in the year

Dr. P. Letha

- Mammu Smarak Hindi Sahithya Seva Puraskar from Kerala state Hindi Pracharak Samithi (2011).

3.18. No. of faculty from the Institution who are Ph. D. Guides and students registered under them

3.19. No. of Ph.D. awarded by faculty from the Institution

3.20. No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21. No. of students Participated in NSS events:

University level State level National level

International level

3.22. No. of students participated in NCC events:

University level State level National level

International level

3.23. No. of Awards won in NSS:

University level State level National level

International level

3.24. No. of Awards won in NCC:

University level State level National level

International level

3.25. No. of Extension activities organized

University forum College forum NCC

NSS Any other

3.26. Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility.

Realising the importance and significance of blood donation, the NSS unit organized a blood donation awareness class for the entire students in the college to enlighten them on the need to donate blood. Posters were exhibited in the campus on 17-08-2011 to highlight the relevance of blood donation. A blood donation camp was conducted on 18-08-2011 in association with SCT Hospital, Thiruvananthapuram which was led by Dr. Jaicy Mathew.

The annual mega camp for the year 2011-12 was a seven day camp held at 'Mahila Mandiram' Poojappura from 22-12-2011 to 28-12-2011. Many innovative programmes like the 'One day- One Rupee' Programme, Raising of vegetables and ornamental gardens etc. were charted out during the camp. As part of the 'Meal for Mothers' Programme, 15 volunteers along with the NSS programme officer visited 'Mahila Mandiram' at Poojappura, and distributed noon meals (collected from the students) to the inmates.

As part of the educational development project, 90 volunteers under the guidance of the programme officer visited 'Mitranikethan' on 14-01-2012. The primary aim of this experimental NGO was to offer alternate education to the socially underprivileged. This organization which has good infrastructure facilities like hostels, gym, vocational training centre etc. offer training in pottery, dairy farming, carpentry, mushroom cultivation etc. to the students.

Criterion – IV

4. Infrastructure and Learning Resources

4.1. Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	43099sq.m			43099 sq.m
Class rooms	14700sq.m			14700
Laboratories	2814sq.m.			2814sq.m
Seminar Halls	Seminar Hall- 100 sq.m. Assembly Hall- 186 sq.m Auditorium- 1335 sq.m			100 + 186 + 1335
No. of important equipments purchased (\geq 1.0 lakh) during the current year.	-	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	-	-	-
Others	-	-	-	-

4.2. Computerization of administration and library

All the books and journals in the college were barcoded and the directory is uploaded in the website of Thiruvananthapuram cluster of colleges.

4.3. Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	84,815		1,395	7,99585	86,210	
Reference Books	3,869		422	1,40,000	4,291	
e-Books	-	-	-	-	-	-
Journals	68		60	42,780	128	
e-Journals	-	-	-	-	-	-
Digital Database	-	-	-	-	-	-
CD & Video	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

4.4. Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	169	5	7	1	1	1	24	Nil
Added	17	Nil	3	-	-	-	-	-
Total	186	5	10	1	1	1	24	Nil

4.5. Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

All the softwares and hardwares are upgraded according to the needs of the curriculum and for the introduction of new methodology of teaching. All the fresh students are trained for internet browsing and basic computer softwares. Students are also trained in IT through IT mission classes. The institution is preparing to set up e-learning facilities and a new networking room under DST fund. We are also planning for Wi-Fi connectivity for the whole college. Smart class room facilities with LCD Projectors, interactive white boards and educational software are provided in all PG departments. Job oriented certificate courses are offered by the Continuing Education Sub Centre in the college. A foundation course on Informatics is offered for all graduate students as part of their syllabi.

4.6. Amount spent on maintenance in lakhs:

Building	Furniture	Equipment	Computers	Maintenance	Total
15,54,000/ (plan fund)	3,19,595/- (plan fund)	6,77,420/- (plan fund)	5,20,410/- (plan fund)	15,290 (Continuing Education) 4,21,971/- (PTA)	35,08,686/-

Criterion – V

5. Student Support and Progression

5.1. Contribution of IQAC in enhancing awareness about Student Support Services

1. After the end of admission process to each programme, the admitted candidates are analyzed based on their performance in qualifying examinations and identifies the weak and slow learners.
2. Students who need extra attention are identified and necessary help is rendered to them by remedial coaching, scholar support programme etc.

3. Better facilities are planned and provided for the students including internet, Wi-Fi, and power point projectors to support the learning process and overcome the various barriers of learning.
4. Involvement of all the faculties is ensured in data collection and analysis, followed by a participative decision making process to streamline the process for the coming year.
5. A vision to be a compassionate human being and successful professional is communicated to all students.
6. Evaluation of student performance, achievement of learning objectives and planning are done using the quality benchmarks given by IQAC. Thus, acting as an agent of change and helping in performing better internal communication, the IQAC is used by both the institution as well as the teachers to achieve the objectives.
7. IQAC, in turn gives necessary inputs better future of students in various fields, ensuring quality areas like Career Guidance Cell, Anti-ragging Cell, Library Committee, Students' Council, Discipline Committee, Student Redressal Committee, Building and Infrastructure Development Committee, Remedial Coaching Cell and PTA.
8. IQAC makes sure about the friendly and encouraging policy towards the physically challenged students. *RAMP* facilities are arranged in the required buildings. As per their requirements and convenience the class rooms are rearranged to have easy access. All possible assistances are given to the students with physical disabilities in writing examinations.

5.2. Efforts made by the institution for tracking the progression

Directory of all the students is available in the departments. The teacher in charge of the alumni contacts once in every year with students and collect their data either through e-mail or by SMS. Also alumni registration facility is available in the web site.

5.3. (a) Total Number of students

UG	PG	Ph. D.	Others
1944	355	72	Nil

(b) No. of students outside the state

2

(c) No. of international students

Nil

No	%	Men

No	%	Women
	100	

2010-11						2011-12					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1502	280	33	583	16	2414	1525	249	2	586	9	2371

DEMAND RATIO COURSE WISE

Course	PG			UG		
	No. Applied	No. Admitted	Demand Ratio	No. Applied	No. Admitted	Demand Ratio
Botany	150	11	14:1	1529	35	44:1
Chemistry	259	10	26:1	2162	40	54:1
Commerce	No PG Course			1315	36	37:1
Economics	41	18	2:1	1811	72	25:1
Business Economics	30	12	3:1	No UG Course		
English Lit.	129	20	6:1	2101	40	53:1
Hindi	214	18	12:1	507	50	10:1
History	162	20	8:1	1110	65	17:1
Home Science (Food & Nutrition)	34	7	5:1	259	32	8:1
Home Science (Extension education)	36	7	5:1	No UG Course		
IMB	No PG Course			542	24	23:1
Malayalam	80	13	6:1	682	50	14:1
Mathematics	225	19	12:1	1409	50	30:1
Music	8	4	2:1	59	15	4:1
Philosophy	85	18	5:1	311	72	4:1
Physics	260	8	33:1	1921	34	57:1
Psychology	20	8	2:1	490	25	20:1
Zoology	124	10	12:1	1466	30	49:1

COMPLETION RATE

Department	PG		UG	
	Completion rate	Drop out %	Completion rate	Drop out %
Botany	100	0	91	9
Chemistry	90	10	100	0
Commerce	No PG Course		98	2
Economics	100	0	97	3

Business Economics	100	0	No UG Course	
English Lit.	100	0	100	0
Hindi	100	0	100	0
History	100	0	100	0
Home Science (Food & Nutrition)	100	0	89	11
Home Science (Extension education)	100	0	No UG Course	
IMB	No PG Course		83.33	16.67
Malayalam	85	15	92	8
Mathematics	100	0	95	5
Music	90	10	100	0
Philosophy	100	0	100	0
Physics	100	0	100	0
Psychology	100	0	92	8
Zoology	100	0	94	6

5.4. Details of student support mechanism for coaching for competitive examinations (If any)

The students are informed about the opportunities of higher education and career development by the teachers. To encourage the students and to direct them towards higher opportunities, seminars and talks by eminent personalities are conducted. These seminars and orientation courses inculcate a sense of appreciation of the particular subject and motivate the students for pursuing higher studies. Students are made aware of the importance of financial independence and career counseling and specialized training are given by the Career Guidance and Placement Cell, Women's cell, etc. which support the students to get employment. NET/SET Coaching is also offered by all PG departments which are highly useful for the PG students.

The college offers a number of training programmes in order to enable the students qualify in various competitive exams. 'Entry in Service' Programme is one among them through which students are trained for getting into Central/State services. Coaching classes for qualifying in UGC-CSIR NET is another programme of the same category. Training for improving soft skills and communication skills are also offered in the college.

Programme	Number of students benefitted
Remedial classes	210
Counselling	45
NET/SET coaching	86
Entry in Service	89
Career Guidance	42

5.5. No. of students qualified in these examinations

NET SET/SLET GATE CAT
 IAS/IPS etc State PSC UPSC Others

5.6. Details of student counselling and career guidance

The college has a Career Guidance and Placement Cell which renders valuable service to the student community by promoting awareness to immense career and job opportunities available. Many job fairs were organized in the college. A series of seminars and lectures were arranged to create awareness among the students about the job opportunities and to equip them to appear for tests and to face interviews confidently. Mock interviews are conducted by experts from industry. The students find the training programmes extremely useful.

In 2011-12, 31 students were selected by companies like Wipro, Genpact etc.

We have two active counselling centres. One of them is managed by the Dept. of Psychology and the other by the Women's Study Unit. The services offered by these centres include

- Stress Management
- Helping students to get an insight into their potentialities, strength and weakness for learning
- Helping the students to equip themselves to curricular and co-curricular demands.
- Pre-marital guidance
- Prepare students to face interviews with confidence
- Psychological testing-assess the I.Q., creativity, aptitude, ability and interest of the students
- Help the students to improve their communication skills.

In addition to these, the tutorial system followed in the college is very helpful for the students to get timely guidance in solving their personal as well as psycho-social problems.

45 students benefited during the year 2011-12 by counselling offered by the college.

5.7. Details of campus placement

<i>On campus</i>		<i>Off Campus</i>	
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
3	98	31	120

5.8. Details of gender sensitization programmes

- NCC and NSS undertake programmes to sensitize students on the issues of gender, inclusion, environment, human rights, legal literacy and other relevant issues. NSS unit in association with the Legal service society of Kerala conducts two day seminar every year to make the students aware of discrimination, cybercrimes, abuse etc.
- Anti – ragging cell organized an awareness talk on Domestic Violence Act by Honourable Justice (Rtd.) D. Sreedevi (Former Chairperson, Kerala Women’s Commission). Booklets and pamphlets related to Domestic Violence Act were distributed among the students and the staff. The programme was organized in association with Kerala State Legal Services Authority (KELSA). Classes on “Women and Law” were organized.

5.9. Students Activities

5.9.1. No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level National level

International level

Cultural: State/ University level National level

International level

5.10. Scholarships and Financial Support

Scholarship/Financial Assistance	No. of students 2011-12
Hindi scholarship	12
Suvarna Jubilee Merit Scholarship	52
Central Sector Scholarship	14
State Merit Scholarship	3
Muslim Nadar Scholarship	Nil
Higher Education Scholarship	78
Scholarship for P.H./Blind	6
Aspire Scholarship	10
Cine workers Scholarship	1
University Merit Scholarship	32

Fisherman Scholarship	14
Post Matric Scholarship	53
Muslim Girl Scholarship	57
Inspire Scholarship	Nil
District Merit Scholarship	3
Acquire Scholarship	43
Indira Gandhi I Scholarship	10
Social Welfare Scholarship	Nil
Lakshdweep Scholarship	Nil
Sanskrit Scholarship	3
PG Merit Scholarship	2
KPCR	264
OBC	557
OEC	71
ST	33
SC	484
Total	1802
Percentage	78 %

	Number of students	Amount
Financial support from institution	70	62850
Financial support from government	1802	67,17,200
Financial support from other sources	0	0
Number of students who received International/ National recognitions	0	0

5.11. Student organised / initiatives

Fairs:

State/ University level National level International level

Exhibition: State/ University level National level

International level

5.12. No. of social initiatives undertaken by the students

5.13. Major grievances of students (if any) redressed:

Criterion – VI

6. Governance, Leadership and Management

6.1. State the Vision and Mission of the institution

Vision

The Government College for Women seeks to:

- Provide a sound education in basic science and humanities.
- Inculcate high values through liberal education.
- Promote research and learning at the PG level and beyond.
- Provide a broad range of non-formal educational services.
- Transform society through the empowerment of women.
- Provide inexpensive educational services to the weaker sections of the society and reinvent itself in response to the changing demands of society.
- Develop responsible women leaders for the future.

Mission

Our mission is

- To provide quality higher education to girl students to enable them face the challenges of the world with courage and confidence and mould them to be socially responsible citizens.
- To create an environment to excel in all activities.
- To impart knowledge and create intellectual power among the needy and deserving community.
- To develop a balanced personality development of students through a wide variety of curricular, co-curricular and extra-curricular activities.
- To impart ethical values for ensuring the harmonious functioning of the society.
- To develop courage, confidence and competitiveness in the changing global scenario.
- To imbibe and adopt successful governance practices for evolving sustained academia-industry linkage in order to match with the dynamic markets.
- To develop socially responsible, sensitive and committed citizens capable of delivering value added services to the society at large.
- To motivate the faculty members in academic research and extension activities so as to equip the students with the sophisticated techniques and help them to find solutions to the current problems of the society.

6.2. Does the Institution has a management Information System

Yes

6.3. Quality improvement strategies adopted by the institution for each of the following:

6.3.1. Curriculum Development

The first and second year students of the UG programmes are under the CBCSS system. All the faculty members are involved in the development,

implementation and analysis of this system as chairman, board members, special invitees, question paper setters etc.

6.3.2. Teaching and Learning

The teaching and learning process effectively functions in such a way that information is passed to students in conventional ways and using ICT enabled platforms. Teachers resort to the use of internet, e- books, e-journals, reference material, smart classrooms, ICT enabled language labs, ICT enabled practicals, ICT enabled teaching debates, field work and study tours. Students are provided exposure in reputed laboratories by arranging visits. Similarly, classes handled by experts are provided through EDUSAT facility available in the College. Students are exposed to emerging areas by arranging seminars/workshops and invited talks.

6.3.3. Examination and Evaluation

The college has a College Level Monitoring Committee (CLMC) and Department Level Monitoring Committees (DLMCs) to monitor the proper conduct of internal examinations, assignments and projects in connection with the CBCSS. As part of quality strategy, the College Council decided to conduct internal examinations in proper time as per university schedule for CBCS system. The timely declaration of results, its publication and settling of grievances are other strategies implemented.

6.3.4. Research and Development

- Information obtained from various sources regarding Research projects, schemes, funding agencies, application forms etc are made available to the staff as well as students.
- All possible facilities are provided.
- Details regarding Minor and Major Research Projects and Post-doctoral fellowships are intimated timely.
- Necessary steps are taken by the research committee for the timely procurement and release of funds.
- Facilities like lab, library etc. is provided for research scholars. Timely auditing, submission of utilization certificate to the funding authority are monitored by the research committee.

6.3.5. Library, ICT and physical infrastructure / instrumentation

The college has introduced INFLIBNET facility in the general library. Research scholars and teachers are highly benefitted by this. The computer lab of the dept. of Mathematics has been equipped with networking facility. All the Science departments are connected by LAN facility.

6.3.6. Human Resource Management

All the teachers have been given additional charges of internal evaluation of one of the classes under CBCSS system and charges of new clubs started as a part of new curriculum.

6.3.7. Faculty and Staff recruitment

The college has no role in recruitment as it is under Kerala government rules. All the recruitments are done by the Kerala Public Service Commission as per UGC guide lines. The guest lecturers are appointed by the college on the basis of merit and their performance in the interview, strictly following the rules and regulations of Govt. of Kerala.

6.3.8. Industry Interaction / Collaboration

Area of service	Name of the faculty /Department involved	Nature of service	Beneficiaries
Hindi Translation	Dept. of Hindi	Free	Various central government organisations
Statistical Analysis	Dept. of Statistics	Free	Medical professionals/ Economists/Research Scholars
Analyzing the samples for IR, UV Visible, magnetic susceptibility measurements.	Dept. of Chemistry	Paid	Various research and educational institutes in Kerala.
Psychological Counselling	Dept. of Psychology	Free	Students and referral patients from various clinics
Phone in programme on Nutrition and Life style diseases	Dept. of Home Science	Free	Public
Electronics circuit design	D. Mohan Kumar, Dept. of Zoology	Free	Electronics and Engineering students

6.3.9. Admission of Students

The College has an open, corruption free, reservation based admission system. This is done through software developed by Dr. M. Sankara Sarma, Associate Professor of Physics.

6.4. Welfare schemes for

Staff	% availed during 2010-11	
	PF Loan	Medical reimbursement scheme
Teaching staff	26	2
Non-teaching staff	47	18
Students	Nil	Nil

6.5. Total corpus fund generated

6.6. Whether annual financial audit has been done Yes No

6.7. Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic			Yes	Department of Statistics
Administrative	Yes	Director of collegiate education, Accountant General, Kerala, Chartered accountants	Yes	Committee constituted by college council

6.8. Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9. What efforts are made by the University/ Autonomous College for Examination Reforms?

College is affiliated to university of Kerala and all examination reforms are made by the university

6.10. What are the efforts made by the University to promote autonomy in the affiliated/ constituent colleges?

Not Applicable

6.11. Activities and support from the Alumni Association

The Alumni Association is very active with regular meetings, cultural programmes and financial support to needy students. Often it serves as a catalyst between the Govt. and college in the implementation of plans.

6.12. Activities and support from the Parent – Teacher Association

All the maintenance works in the college are done with PTA fund. PTA is continuously monitoring the development of the college and advices on its activities. The PTA is managing a reprographic centre inside the college catering all the related student needs.

6.13. Development programmes for support staff

All the technical and administrative staffs have to undergo a five days training at institute of Management in government arranged by Government of Kerala.

6.14. Initiatives taken by the institution to make the campus eco-friendly

The college has a rich flora and fauna. The college do not disturb the growth of plants growing inside the campus. They are well preserved and nurtured by Dept of Botony. The NSS and NCC units.

Criterion – VII

7. **Innovations and Best Practices**

7.1. Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

As part of the International year of Chemistry, a three days' exhibition - Nuclear Expo 2011-was conducted from 30-11-2011 to 02-12-2013. This was organized jointly by all the departments of the college receiving financial support from State Bank of Travancore (SBT), Artisans Development Corporation (ARTCO) and the Director of Collegiate Education. More than 2000 students from other educational institutions of the city visited the exhibition.

7.2. Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

All the books and journals in the library are barcoded and the directory is uploaded in the website of Thiruvananthapuram cluster of colleges.

The project for which the college applied last year under the DST-FIST fund has been sanctioned this year after a presentation by the Principal before the DST. The college decided to utilize sanctioned amount of 80 lakhs properly for the upgradation of the science departments.

7.3. Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

1. Women skill enrichment programmes
2. Sophisticated instrumentation centre

**Details are provided in Annexure V & VI)*

7.4. Contribution to environmental awareness / protection

Maintenance and protection of 62 plant species in the campus
Awareness in the form of seminars and activities of nature club

7.5. Whether environmental audit was conducted? Yes No

7.6. Any other relevant information the institution wishes to add. (For example SWOT Analysis)

SWOT Analysis is attached as Annexure VII

8. **Plans of institution for next year**

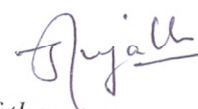
To barcode all the text books in the general library and department library and link to the cluster website

Sreejith V



Signature of the Coordinator, IQAC

Dr. J. Sujatha



Signature of the
Chairperson, IQAC



PRINCIPAL
GOVT. COLLEGE FOR WOMEN
THIRUVANANTHAPURAM

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

COLLEGE CALENDER FOR 2011-12

Date of opening of the College for Academic Year	-	01-06-2011
Date of closing of the College for Onam holidays	-	07-09-2011
Date of re-opening of the College after Onam holidays	-	19-09-2011
Date of closing of the College for Christmas holidays	-	22-12-2011
Date of re-opening of the College after Christmas holidays	-	02-01-2012
Date of Closing of the College for Summer Vacation	-	30-03-2012

Working Days

I Term		II Term		III Term	
01-06-2011 to 07-09-2011		19-09-2011 to 22-12-2011		02-01-2012 to 30-03-2012	
June	23	September	9	January	20
July	21	October	18	February	20
August	19	November	19	March	21
September	5	December	15		
Total	68		61		61

Total number of working days for the Academic Year 2011-2012 = 190

SEMESTER SYSTEM

In each Semester system, Classes are to be engaged at least for 90 days or 450 hours. Any deficiency in this shall be made good gather by conducting classes on holidays /Saturdays or engaging extra classes on working days, so that minimum teaching hours (450 hours) shall be conducted.

If any of the dates prescribed in the calendar happens to be holiday, the next working day shall be the presented date for the academic event notified.

FEED BACK FROM STUDENTS

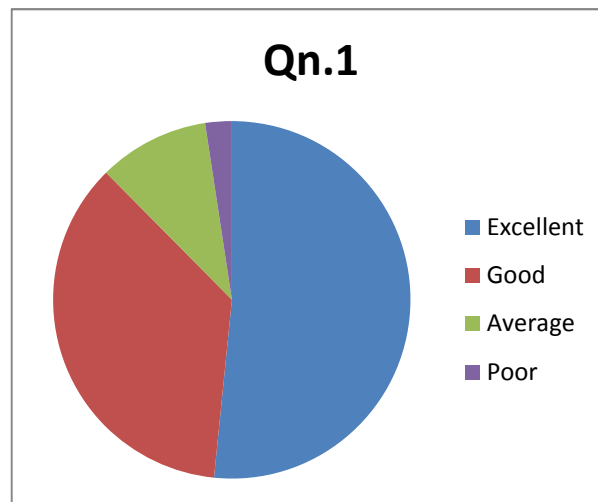
- The theory content may be minimised, giving more importance to practical based learning.
- The college has a very good library with a large collection of books. We are very much satisfied with the services provided in the library. But there should have more reading space.
- The ICT resources of the college are very much helpful to the student community. These resources have reoriented our learning process. It has shown before us a method of lifelong learning.
- Some of the class rooms are spacious, some others are not. The class room furniture is adequate, but are very old and hence need to be replaced.
- Laboratories are well equipped.
- Satisfied with rest/waiting room facilities.
- The toilets are to be renovated as they are very old and the premises are not at all hygienic.
- In case of an emergency, we are given immediate medical attention. Teachers accompanying us to the nearby hospital and care us like our mothers. It will be better if a doctor is appointed at the college for attending the needy students.
- The services offered by the PTA office are invaluable.
- The support of the administrative staff in providing services regarding scholarships, exam registration, bus concession etc is excellent.
- The physical education department of the college is very helpful in training students in various sports events. The college has a long back tradition of promoting the cultural and literary talents of the students. The different cultural event/fests organized in the college encourage us to a great extent. We have got lot of opportunities to interact with eminent writers and artists.

FEED BACK FROM PARENTS

Total No. of Parents participated – 250

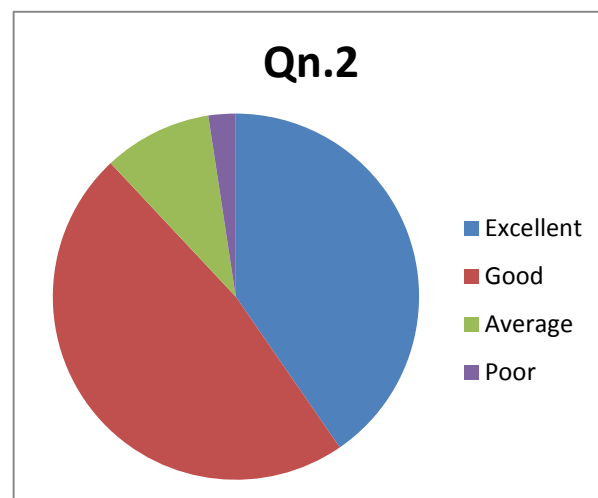
1. Your rating about the College discipline?

Excellent	Good	Average	Poor
129	90	25	6



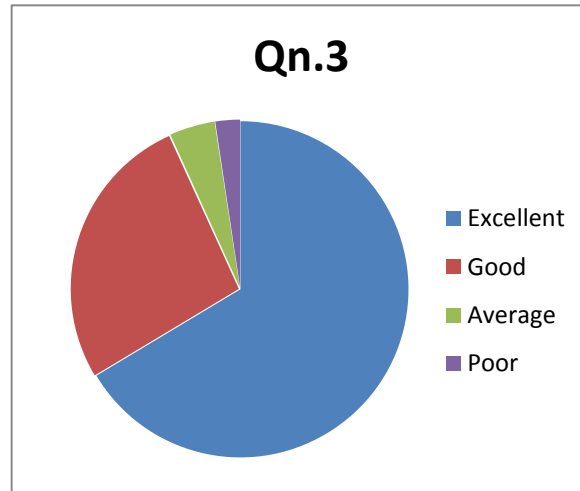
2. Your rating about the Teacher-Student relationship?

Excellent	Good	Average	Poor
101	119	24	6



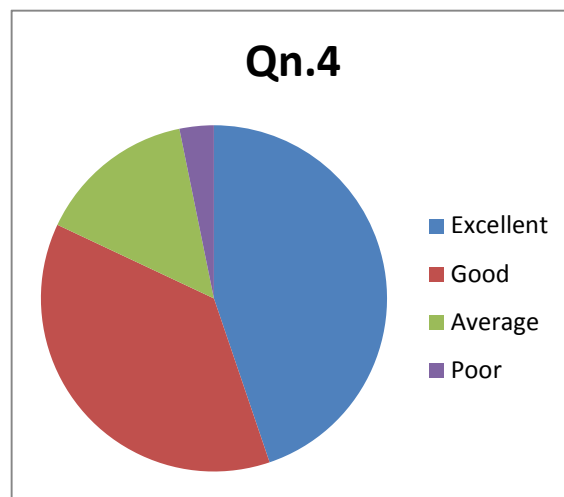
3. Teacher's approach towards parents?

Excellent	Good	Average	Poor
166	67	11	6



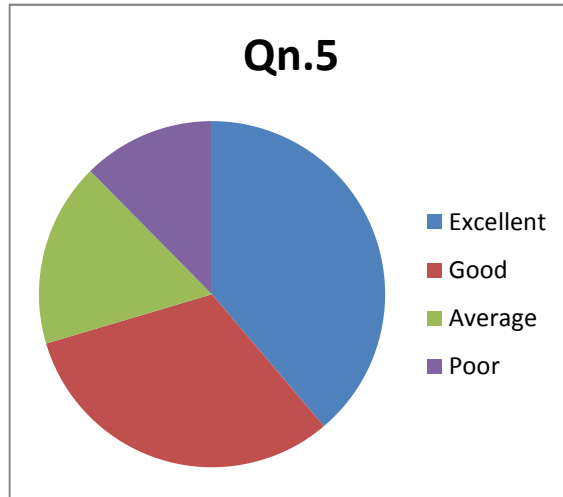
4. Evaluation about College's care in student's character building?

Excellent	Good	Average	Poor
112	93	37	8



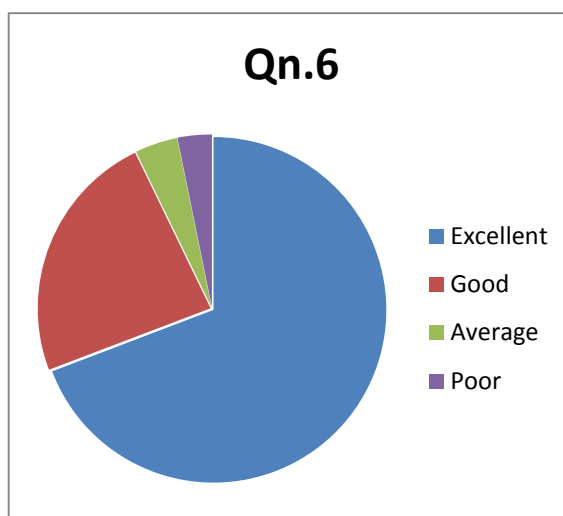
5. Individual attention given to the students?

Excellent	Good	Average	Poor
97	79	43	31



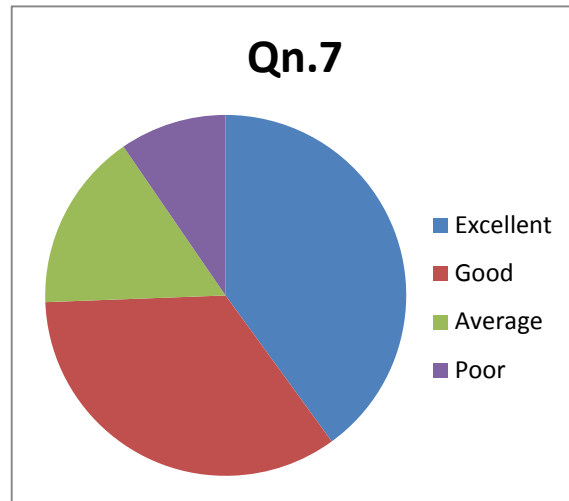
6. Clarification of classroom doubts?

Excellent	Good	Average	Poor
173	59	10	8



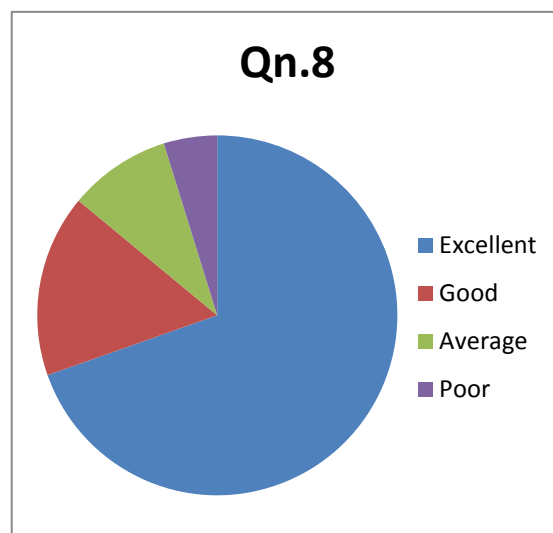
7. Your rating about the teaching methods adopted in the College?

Excellent	Good	Average	Poor
100	86	40	24



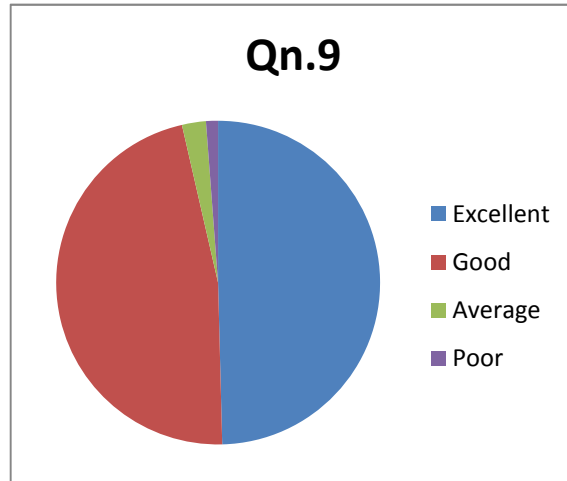
8. Assessment about the teaching/learning in the College?

Excellent	Good	Average	Poor
174	41	23	12



9. Co-curricular activities in the College?

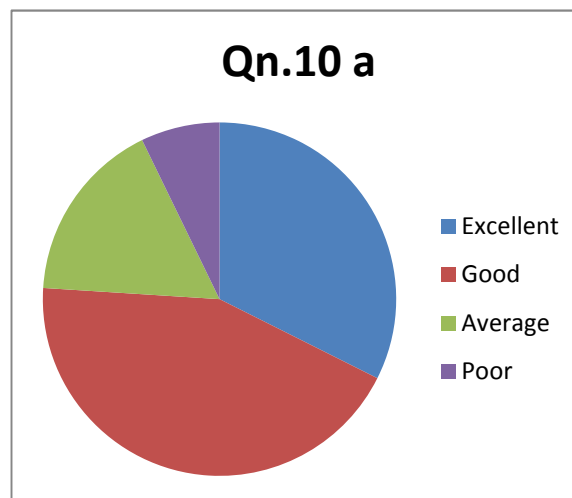
Excellent	Good	Average	Poor
124	117	6	3



10. *Your feedback* about the facilities of the College?

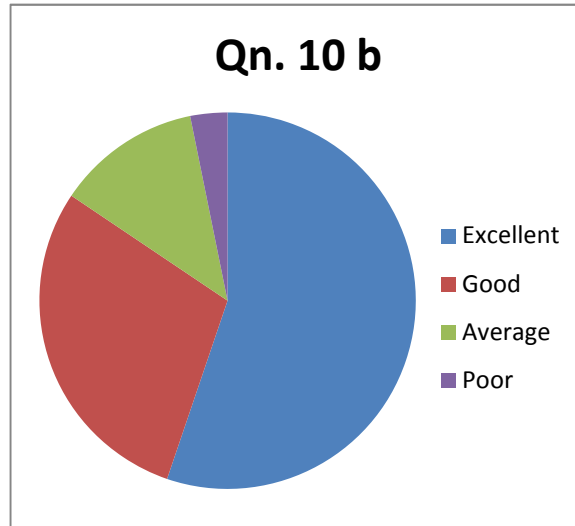
a. Regarding Infrastructure?

Excellent	Good	Average	Poor
81	109	42	18



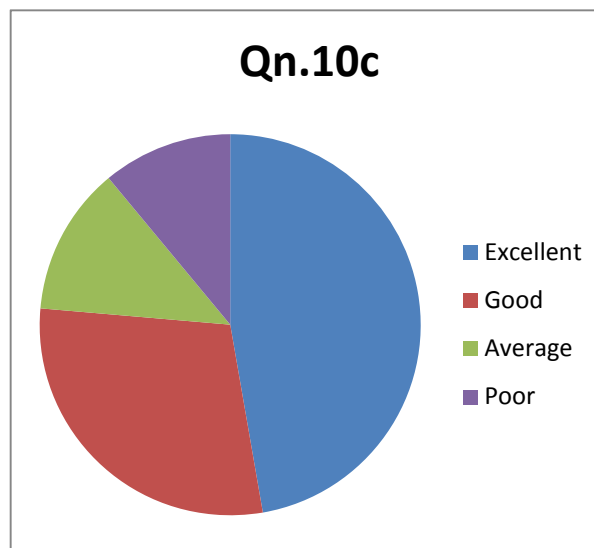
b. Library?

Excellent	Good	Average	Poor
138	73	31	8



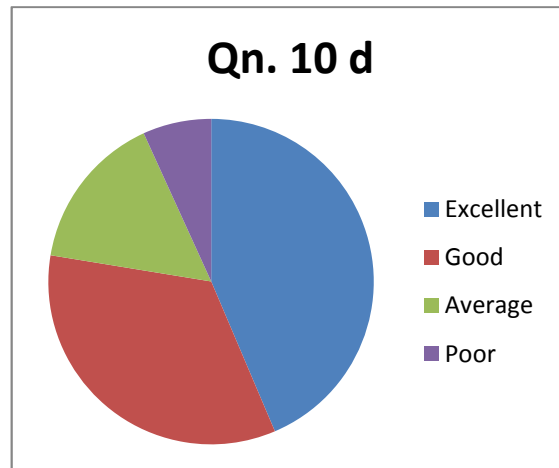
c. Laboratory?

Excellent	Good	Average	Poor
60	37	16	14



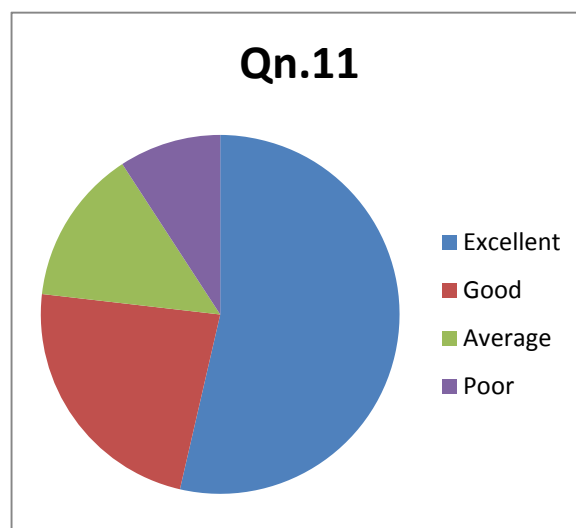
d. ICT/ Computer/ Internet facilities?

Excellent	Good	Average	Poor
109	85	39	17



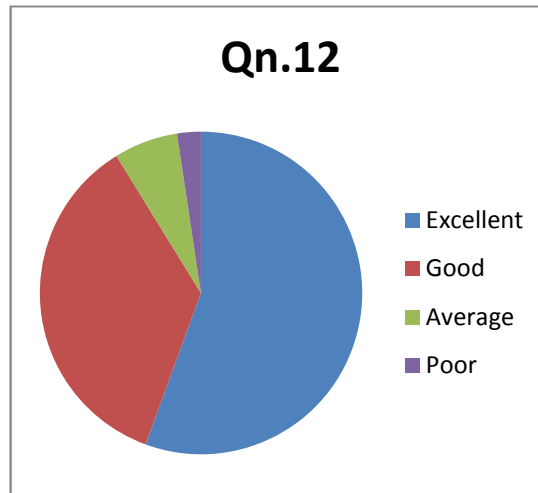
11. Importance given to the English language?

Excellent	Good	Average	Poor
134	58	35	23



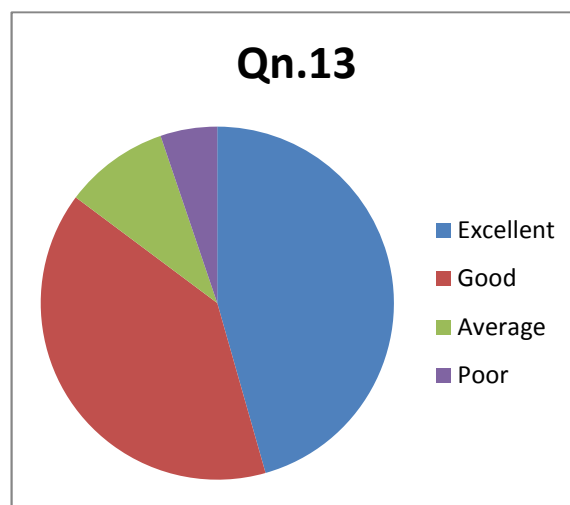
12. Your overall rating about the College?

Excellent	Good	Average	Poor
139	89	16	6



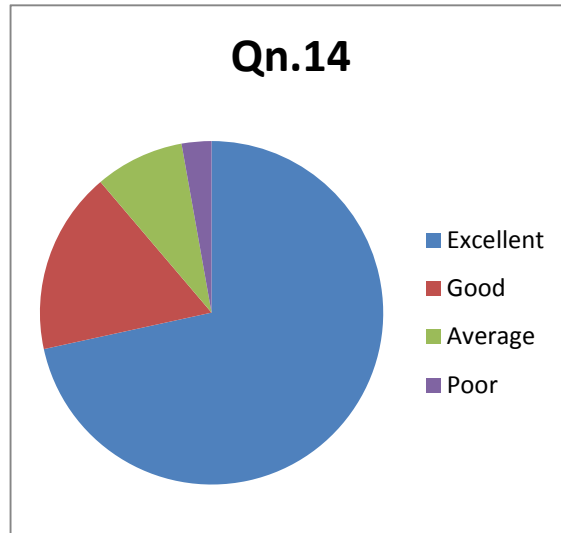
13. Your overall rating about our teachers?

Excellent	Good	Average	Poor
114	99	24	13



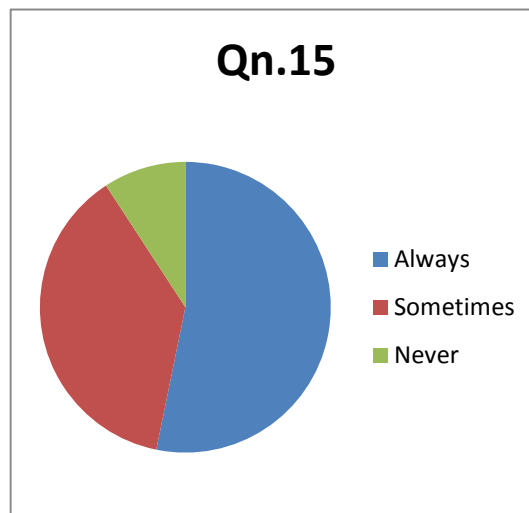
14. Personality development & other training programme is adequate?

Excellent	Good	Average	Poor
179	43	21	7



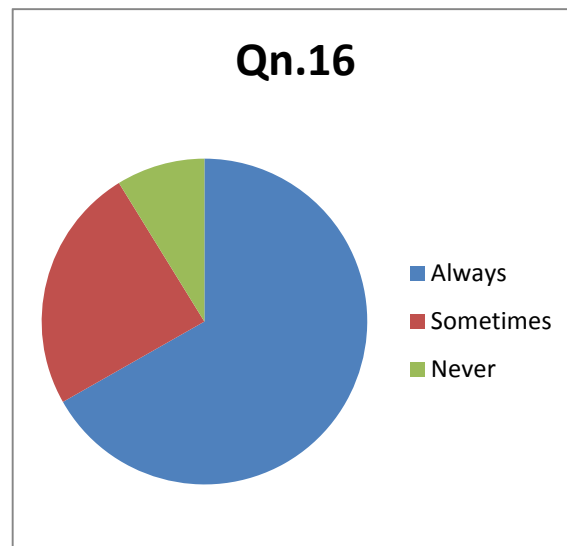
15. Do you feel free to approach the College authorities?

Always	Sometimes	Never
133	94	23



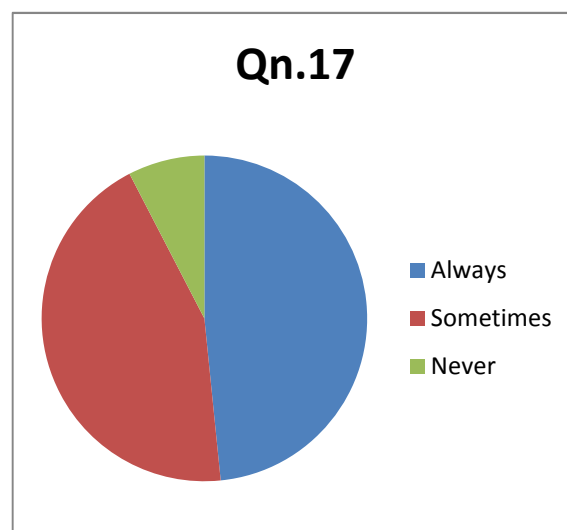
16. Do you get clarifications/ responses from the College authorities whenever demanded

Always	Sometimes	Never
167	61	22



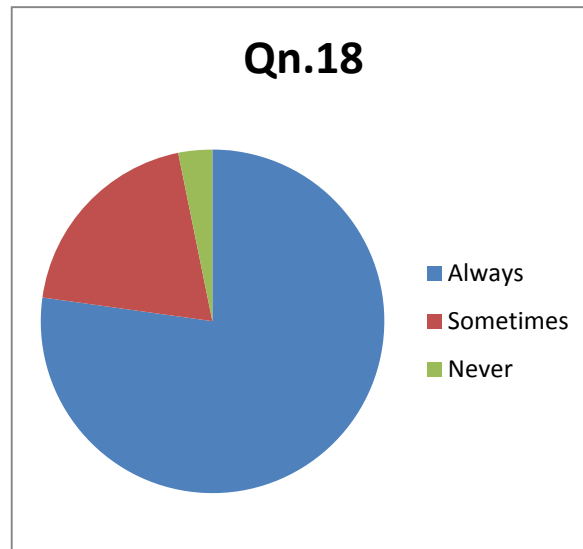
17. Do you think the College equips your child properly so as to face the future competitions in his Life and Career?

Always	Sometimes	Never
121	110	19



18. Will you recommend this College to your friends/relatives? Why?

Always	Sometimes	Never
193	49	8



BEST PRACTICES

1. Women Skill Enrichment

Goal: We have set for ourselves the target of educating every single student who enters the portals of this college and equipping her both for life and for a living. As the purpose of education is to mould an individual into a good human being, efforts have been taken by the college authorities to cultivate personal skills needed for a good life. As the saying goes, 'If you educate a man, you educate an individual, but if you educate a woman, you educate a family and a Nation'. Training the students (girls) for self-employment will not only help them but also their family. This awareness makes us regard the whole venture very noble and edifying. Hence we rededicate ourselves to our task at this juncture.

Besides class room teaching, we take special interest in nurturing the various skills left unnoticed in our students.

The Context: Around 900 new students join this college every year. Even though the college is situated at the heart of the city, most of the students come from rural areas, and that too from poor economic background. We understand that they have no other means to develop their inborn talents. So we organize a wide range of activities and programmes for developing soft skills, life skills, and entrepreneurial skills, artistic and academic talents.

The Practice: Students who get enrolled in this college are welcomed with an induction meeting in which they are imbued with an awareness of the tradition and history of the college, the various programmes that are offered as well as the rules and regulations to be observed in the campus. They are also made aware of the different clubs functioning in the campus along with their objectives. Students can join any one of these clubs according to their interest and choice and improve themselves by actively participating in it. They are informed about the functioning of bodies like Anti-ragging Cell, Grievance Redressal Cell and Counselling Centre which provide protection and support to the students.

In addition to this, the Continuing Education Sub Centre of the college offers a large number of skill development courses. The Sub Centre is set up with the objective of conducting non-formal courses and help women to gain skills and knowledge, and to provide training that could lead to jobs or often self - employment. At present the sub centre offers 317 courses, which include training in various skills such as interior decoration, toy making, embroidery and craft, beautician's courses, fashion designing, spoken Arabic, English, French and German and numerous painting and computer courses. All these are self-financing courses. The students of this college get a considerable concession in the fees for these courses. The sub centre thus generates its own resources and a share of the profit earned is given to the college, which in turn, is utilized for its development. Thus the students are getting double benefit out of the sub centre. They are equipped with skills which enable them to seek self-employment and to be responsible citizens who are useful to the society.

The contribution of the Science Club is remarkable in this regard. It has started a mushroom cultivation unit in the college. The members of the science club were initiated into Mushroom farming. Regular food festivals were also arranged.

The Dept. of Music deserves special appreciation in developing the musical talents of the students. The students and teachers of the Department have been conducting regular programmes in charitable institutions like Sree Chithra Poor Home, Regional Cancer Centre and various institutions fostered by Gandhi Peace Foundation. Many students from all over the state and from outside the state seek admission in their department.

The Department of Home Science is actively engaged in reaching out to the public. It publishes booklets on healthy dietary practices which are distributed to the public while conducting exhibitions and community health surveys.

We are also very keen in identifying students with literary skills and promoting their literary talents by publishing campus magazines like 'Koottaksharam' by Mashithandu(a literary group of the college), 'Jharoke' by the Department of Hindi, 'Darmstadtium' by the Department of Chemistry , 'Expressions' by the Department of Psychology and Maithri by the Department of Economics.

The college provides support and training to the students in various events like traditional, folk and modern trends in theatre.

The Department of Physical Education provides training to the students in sports and games, like basketball, football, cricket, kabaddi, handball, kho-kho, ball badminton, cycling, table tennis, volleyball, shuttle badminton, softball, athletics, taekwondo, wrestling and yoga. The Department also runs a physical fitness centre.

"Beyond the Syllabus", a programme launched in 2008 that teaches English and Ideas in a Digital Language Lab is a remarkable achievement of the college. The most noticeable improvement which came as an outcome of the programme was that students appeared more comfortable in speaking English. There were even visitors who joined the programme to practice speaking skills with the help of mentors.

Evidence of Success: Many students who have passed out from the Dept. of Music are well placed. Famous play back singers like Dr. K. Omanakutty, Suseela Devi, Padmasri K.S. Chitra, K.S. Beena, B. Arundhaty, Bhavana Radhakrishnan, S. Janaki Devi, Lekha R. Nair, Sindhu Devi, Sivadarsana , Manjari and others are alumni of this department. Many of our former students are top ranking graded artists of Doordarshan, All India Radio and various TV channels. Many students bring laurels to the Dept. annually by winning prizes in several national level competitions. There are students who are famous T.V. anchor persons, performers of light and classical music, dancers, artists, instrumentalists etc.

Because of the intense training and support given to the students in improving their cultural and artistic talents, the college was placed at the 5th position at the University Level Youth Festival in 2011-12. Our students have excelled in sports and games also.

Achievements in sports and games

National level

- In 2011-12, Akhila Mohan S and Naseera Farsana P. won the Gold medal and Second position in National Kho-Kho tournament held at Ranchi and Andhra Pradesh

respectively. Anjana M.S and Madhulekha L. won Gold , Silver and bronze medals in various National Track Cycling Championship in Individual and team pursuit held at Patiala and Jammu and Kashmir.

Problems Encountered and Resources Required:

- (i) The main limitation is space constraint. Though we have 10.65 acres of land in the heart of the city, the existing buildings in the campus are crowded and sprawled which obstructs further construction. This forms a hurdle for sanctioning of new courses and prevents further expansion.
- (ii) The number of posts of attenders, peons, sweepers and sanitation workers are not sufficient to cater to the needs of the college and students.
- (iii) Due to very tight academic schedule, the staffs find it very difficult to compensate for the lost working days.

Resources for the construction of multi-storeyed buildings are required for further developments and expansion

Contact Details

Name of the Principal : Dr. J.Sujatha
Name of the Institution : Govt. College for Women
City : Thiruvananthapuram
Pin Code : 695 014
Accredited Status : A
Work Phone : 0471- 2324986 Fax : 0471- 2333496
Website : gcwtrivandrum.com E-mail : gcwtvpm@gmail.com
Mobile : 9446968263, 9447908565

2. Sophisticated Instrumentation Centre (SIC)

Goal: Sophisticated analytical instruments are extremely necessary for doing research in science and technology today. Such instruments are expensive and are not available in all research centres. Moreover these instruments are of inter/multidisciplinary utility and thus it is desirable to use them on sharing basis for their optimum utilization. We have the aim of keeping the facility useful with full utility of the money that Government has granted to the college. The Department of Science and Technology sanctioned FIST (Fund for the Improvement of Science and Technology) fund of rupees 45 lakhs to the Department of Chemistry of this institution. A part of the fund is used to set up an instrumentation lab with a range of major and minor equipments. Analytical instruments are provided to researchers in general, especially from the institutions which do not have access to such instruments. This enables them to pursue R & D activities requiring such facilities and to keep pace with developments taking place in the field. The facilities thus provided are utilized by about 500 users every year from various academic and research institutions and industries in and outside the state. Thus the aim of the practice is summarized as,

- a. To provide measurements through the scientific instruments to the scientific community of our college and other institutes and industries.
- b. To use the nominal fee collected for providing the facility for the maintenance of all scientific instruments in the college.
- c. To utilize these instruments to enhance collaborative research.
- d. To enhance the quality of undergraduate and post graduate research projects.

The Context: When we opened the facility of instrumentation access to nearby institutes, we were not sure about their participation because in and around Thiruvananthapuram, several scientific institutes like NIIST, VSSC, IISER, CESS etc are available with more sophisticated instruments. We are not in a position to appoint a technician due to financial and administrative constraints. The handling of these high precision equipments and their maintenance require a lot of care and patience. So, two of our teachers, Dr. Dinesh Babu K V and Dr. Bessy Raj B N, are assigned duty to operate the instruments by finding extra time. However, we are managing the situation effectively and the process has been going on in a systematic manner and as a result, a lot of institutes approach us for the analysis. Thus this instrumentation centre enhances the quality of research and reduces the time for getting better results.

The Practice: The functioning of the facility is twofold. First, we provide the facility to the research scholars and students of this institution to perform their own analysis under supervision, **free of cost**. Secondly, we provide analysis services to entities outside the institution as per request, on a commercial basis. The service is used on a large scale by the neighbouring research centres and industries as well as by people from other parts in and outside the state. We provide these facilities in a relatively nominal basis. *The teachers in charge of the facility operate the instruments.*

1. Shimadzu UV 2450 UV Vis Spectrophotometer
2. Shimadzu IRPrestige IR Spectrometer
3. Sherwood Scientific MK-1 Magnetic susceptibility balance

Charges for the analysis are,

<i>UV -Vis (solution state)</i>	<i>Rs. 100/-</i>
<i>UV -Vis (solid state & thin films)</i>	<i>Rs. 110/-</i>
<i>IR Spectral analysis</i>	<i>Rs. 150/-</i>
<i>Magnetic susceptibility Measurement</i>	<i>Rs. 100/-</i>

The charges are less than half of that in other instrumentation centres in the country. The income collected from this practice is deposited in the PTA account of the institution and is utilized exclusively for the maintenance and up keeping of major instruments in the college.

Evidence of success: We maintain all the analytical instruments in the instrumentation lab using this fund. The maintenance of all major equipments and purchase of analytical grade chemicals are met using the profit of the practice. We have analyzed about five hundred samples and collected an amount of Rs. 35,375/- in this academic year (2011-12). Two papers have been published under collaborative research.

1. AnilKumar V.S., Sunukumar S S, Dinesh Babu K V, Murugan K, Taxonomic discrimination of *S.nigrum* and *S.gigantum* by FT ir spectroscopy, *J.Res.Biol.*,**2**, 1, 2012.
2. Aswathy Aromal, Dinesh Babu K V, Daizy Philip, Characterization and catalytic activity of gold nano particles using ayurvedic arishtams, *Spectrochimica Acta*, 96A, 2012, 1025

The main institutions that benefited from the practice are,

1. *Department of Physics, Sree Ayyappa College, Nagercoil*
2. *Department of Chemistry, Scott Christian College, Nagercoil*
3. *Department of Nano science, NIT Calicut*
4. *Department of Botany, Govt. College, Pattambi*
5. *Department of Chemistry, SN College, Punalur*
6. *Department of Chemistry, SN College, Kannur*
7. *Department of Chemistry, MG College, Thiruvananthapuram*
8. *Department of Chemistry, University of Kerala, Thiruvananthapuram*
9. *Department of Botany, University of Kerala, Thiruvananthapuram*
10. *Department of Physics, University of Kerala, Thiruvananthapuram*
11. *Department of Chemistry, Mar Ivanios College, Thiruvananthapuram*
12. *Department of Physics, Mar Ivanios College, Thiruvananthapuram*

13. Department of Botany, University College, Thiruvananthapuram
14. Department of Chemistry, University College, Thiruvananthapuram
15. Department of Physics, University College, Thiruvananthapuram
16. Department of Chemistry, Govt. Arts College, Thiruvananthapuram
17. Department of Chemistry, SG College, Kottarakkara
18. Department of Chemistry, FMN College, Kollam
19. Department of Chemistry, SN College, Kollam
20. Department of Physics, All Saints College, Thiruvananthapuram
21. Department of Chemistry, Christian College, Chengannur
22. Department of Pharmacy, Dale View College of Pharmacy, Thiruvananthapuram

A remarkable fact is that the teachers in charge of the instruments do not avail any remuneration for the extra time they spent for the analysis.

Problems encountered and resources required: Occasional power supply failure is a problem for the instrumentation centre. A high capacity generator is to be installed for the instrumentation room. More analytical instruments like NMR spectrometer, Mass Spectrometer, X- ray diffractometer etc may be made available to extend the practice. Another problem encountered is the availability of staff to perform the analysis. The number of samples received for analysis goes on increasing, but there is no technician to do the work. Teachers have to find extra time to operate the instruments apart from their academic, clerical and research activities.

Contact Details

Name of the Principal	:	Dr. J. Sujatha
Name of the Institution	:	Govt. College for Women
City	:	Thiruvananthapuram
Pin Code	:	695 014
Accredited Status	:	A
Work Phone	:	0471 2324986 Fax : 0471- 2333496
Website	:	gcwtrivandrum.com E-mail : gcwtvpm@gmail.com
Mobile	:	9446968263, 9447908565

SWOT Analysis of the College

STRENGTHS:

The Government College for Women is located at Vazhuthacaud, which is within 2 kms from the Central Railway and bus stations. The various programmes offered by the Institution are accommodated in permanent structures spread across 10.65 acres of lush greenery. Around 15 percent of the buildings fall under the heritage and archeologically protected areas. Although the College is located in an urban area, 90 percent of the students are from the rural areas and belong to socially and economically backward segments. The college is accredited with 'A' grade by the NAAC in 2005. On comparison, our college stands out as the most preferred destination for the academically excellent students among similar Arts and Science Colleges functioning within Kerala.

The highly qualified, experienced and dedicated faculty and the effective and efficient utilization of all the available resources ensures empowerment and quality transformation of the student community. The services rendered by this institution in this regard are of the highest order as testified by the consistent top ranks and grades secured by our students at the University level. The higher ratio of the number of applications to the sanctioned strength illustrates the great demand for the courses offered by this Institution.

Specialized lab facilities with modern and sophisticated equipments/instruments are available in the Science Departments.. This facilitates proper blending of traditional and modern teaching-learning processes. Extension and field outreach programmes are conducted in the College under the guidance of the teachers. Community development projects are undertaken by some departments in the Institution to disseminate scientific knowledge for the betterment of the weaker sections of the society.

Out of the 24 teaching departments, ten departments have been identified as Research Centers. This includes Hindi, Botany, Chemistry, Economics, Psychology, Philosophy, Zoology, Physics, Music and Malayalam. These departments are actively engaged in research activities. The faculty of the Institution are involved in framing and restructuring of the syllabi for the UG and PG programmes in their capacities as Chairman of Board of Studies, Member of Board of Studies, Academic Council, Faculty of Science, Faculty of Arts and Faculty of Commerce, Senate and Syndicate.

A total of 86210 books including old and historic ones are available in the Institution. In order to acquaint the students and faculty with the latest developments in their respective areas, standard journals leading news papers magazines & periodicals are also subscribed in the Institution.

As a part of holistic development initiatives, the institution offers Legal Literacy Programmes and Counseling Programmes for students. There are 20 clubs functioning in the Institution and the Institution ensures that every student is a member of a club. To develop leadership qualities among students, Class Leaders, Association Secretaries, College Union Members and Club Convenors are chosen from students. They are provided with necessary environment in which they are free to take appropriate decisions. The NSS units functioning in the institution provide ample opportunities for developing the personality of the students

through community service. Through NSS activities the students get a sense of involvement in the task of nation building.

Special coaching is offered by the Physical Education Department for various sports and games like kabaddi, cricket, handball, athletics etc. The Institution also has a fitness centre for the physical development of students. Yoga classes are also conducted for ensuring the physical and mental health of the students and teachers in the Institution. The Institution also provides a suitable platform for the students to showcase their talents through various cultural activities like Arts Festival and interdepartmental competitions. The students of the institution actively participate in intercollegiate, inter university, national level competitions

The institution has a very effective PTA which is actively involved in all the developmental and welfare activities of the Institution. The Head of the institution is the Ex-Offiicio president of the PTA. The administrative power rests with the executive committee which comprises of 17 members including parents and teachers. Many of our alumni are occupying key positions in Government and Private Sector and they provide valuable input for the development of the Institution. The alumni have its representation in the important bodies of the Institution like CDC (College Development Council), IQAC (Internal Quality Assurance Cell) etc. They also extend financial support to meritorious students who belong to the socially and economically backward sections of the society. A unique feature of the Institution is the Continuing Education Sub Centre which offers six long term and 311 short term courses which help the students acquire employability skills.

Forty endowment prizes have been instituted by our former faculty members for recognizing the meritorious performance of the students every year. Many scholarships spurned by the Central & State governments like Central sector Scholarship, State Merit Scholarship, Higher education scholarship, ASPIRE scholarship, Indira Gandhi scholarship etc. are given to support the student to pursue their education.

WEAKNESSES:

ICT enabled classrooms in the college is insufficient. Inadequacy of computers and networking facilities is a constraint to support high-end applications like computational physics, chemistry, Tally, SPSS etc. Though individual departments have separate net connectivity, the campus lacks Wi-Fi connectivity. The laboratories available in the college are over a century old and are long due for up-gradation to meet the latest developments in the field of Science and Technology. Since majority of our students belong to the socio-economically backward strata, the college is the only source through which the students get access to ICT enabled resources and laboratory facilities.

The college is administratively controlled by the State Government and academically governed by the Kerala University. All academic reforms are incorporated within the purview of the rules and regulations of the Government and the University. There is a huge dearth of administrative support in the college which adversely affects the day to day affairs of the college. The ratio of administrative staff to students is at 1:38. Similarly the ratio of administrative staff to faculty is 1:3. The position is not different with the technical staff also. The lack of technical training required for handling modern and sophisticated equipments also further worsens the situation.

Considering the magnitude of the revision and updation in the curriculum and allied branches of study, the college is not in a position to strengthen and upgrade the library. The same is the case with journals, magazines and e-resources. After the present library is being designated as a Heritage building, proposal for expansions are in a stand still. Reference facility in almost all the streams is also not up to the expected levels.

Facilities available for differently abled students are limited. However as and when required necessary rearrangement of class rooms are made for the convenience of the students despite the fact that it affects the smooth functioning of the department.

As a policy initiative, the department of General Education is consistently enhancing the intake capacity of Higher Secondary streams, which is feeder course for the UG programmes. However, to tap this excess traffic accumulated over the years, commensurate capacity expansion is not taking place in higher education level. The existing programmes assign only a limited space for sensitizing the student community to social issues, creating civic sense, developing life and human skills to make them responsible and accountable citizens. Though the institution possesses immense human resource potential, the existing regulatory framework prevents the institution from taking up consultancy engagements.

Most of the teachers and a substantial number of students are young mothers who have the great responsibility to take care of their children. Lack of a proper creche facility impairs the smooth functioning of the institution.

OPPORTUNITIES:

The institution is finding it extremely difficult to accommodate the ever increasing demand from the major feeder programmes namely HSE, CBSE and ISC. Owing to the lack of policy initiatives at the higher education level, in this regard, this gap has widened considerably. Hence, this is the right time to tap this potential by offering parallel batches for the existing UG and PG programmes.

In addition to the above mentioned potential for expansion in the conventional programmes, there exists enormous opportunities for introducing innovative and career oriented programmes as per the industry expectations. To augment the higher level fine tuning warranted by the evolving industries, additional skills have to be developed along with the existing curriculum. In this context there is ample scope for introducing more skill based, short term programmes and for strengthening existing programmes.

Some of the departments in the college have already established collaborations with National and State level agencies and Institutes. There is ample scope for establishing new collaborations with many reputed National as well as International institutions which will result in the creation of Intellectual Property Rights (IPR). If this environment can be fostered with a positive spirit it can result in a win-win situation for the institution and the collaborators.

The resources of the institution can be utilised for consultancy services, and the revenue generated through this can be utilised for developmental activities in the college. With sufficient infrastructure investment in this area, the multi-disciplinary expertise available in the college can be effectively utilised for consultancy. The institution has immense scope for disseminating the knowledge related to various disciplines for addressing the needs of the society, thereby equipping the students to face social realities. An extension cell can be

formulated and students can be trained as extension agents for bringing about desirable changes in the community.

The college has high potential for multi-disciplinary research activities as there are 24 teaching departments functioning in the college. The introduction of New Generation/ Vocational courses, as already envisaged, will offer high potential for upgrading academic research to applied research, which will in due course result in the creation of IPR (Intellectual Property Right). Life-long learning centres can be established in all departments to cater to the requirements of stakeholders by designing appropriate programmes incorporating latest developments and emerging trends in the respective disciplines.

THREATS:

Undue emphasis given by the society to professions like medicine and engineering has adversely affected the quality of input in Arts & Science streams. The situation is further worsened by engineering graduates opting for non-engineering jobs in the Government and Private sectors, which in turn affects the employment opportunities of students of Arts and Science colleges. This indirectly affects their self-esteem and morale.

Online courses and establishment of foreign universities pose a great threat to the institution. Short-term job oriented courses offered by some specialised agencies are also a threat for the three year Degree programmes. As per the existing regulations of the University of Kerala, the real-time updation of the UG and PG curriculum is not possible, which poses a threat to attract the placement agencies to the college.

Being a Government institution, the college has to strictly adhere to the norms specified by the State Government. With the level of flexibility enjoyed by the autonomous/ research/ technological/ scientific institutions, they are reluctant to sign MOUs with this institutions, owing to the rigidity of the system. This system will be further worsened with the entry of foreign universities and corporate institutions. Insufficient teaching faculty along with trained and skilled technical staff poses a great threat to the institution to excel. This in turn grossly affects the up gradation plans of the laboratories which are already overdue for modernisation.

The mental health of the students needs to be addressed as it would be the greatest hindrance in the development of any student. The changes in the social fabric (nuclear families), career concerns, parental pressures, peer pressure, stress related issues etc adversely affect the mental health of students which indirectly affects their performance levels. The teachers today are overburdened with administrative and clerical work with the introduction of semesterisation and this has in turn deprived them of the quality time they had earlier, to maintain personal rapport with students. In the present curriculum, the effective utilization of cyberspace for academic advantages is in its infant stage. A lot of maturity is required on the part of the user to safeguard themselves from the temptations and exploitations of cyberspace. Though students get access to cyberspace through sophisticated electronic gadgets, an effective mechanism of academic interventions for ensuring creative usage of cyberspace is lacking in the Institution.