



Yearly Status Report - 2017-2018

Part A

Data of the Institution

1. Name of the Institution		GOVERNMENT SCIENCE COLLEGE
Name of the head of the Institution		Dr K. G. Chhaya
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		07923222352
Mobile no.		9909012291
Registered Email		prin-gscgandhinagar@gujgov.edu.in
Alternate Email		gscgnr@gmail.com
Address		Government Science College, Sector 15, Gandhinagar
City/Town		Gandhinagar
State/UT		Gujarat
Pincode		382016

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 Chetan K. Chauhan
Phone no/Alternate Phone no.	07923222352
Mobile no.	9825765981
Registered Email	gscgnr@gmail.com
Alternate Email	ckc33@rediffmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://www.gscgandhinagar.in/view-pdf?id=10
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.gscgandhinagar.in/view-pdf?id=33

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.53	2010	28-Mar-2010	27-Mar-2015
2	B+	2.69	2017	09-Jun-2017	08-Jun-2022

6. Date of Establishment of IQAC	30-Dec-2016
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7. Internal Quality Assurance System

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

National Library Week	14-Nov-2017 7	150
Vanchan Shibir (Reading Camp)	12-Jan-2018 01	80
One day Seminar on Depression and Suicide prevention	05-Mar-2018 01	86
International YOGA day	21-Jun-2017 01	100

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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
college	GDA	UGC	2014 1825	640000
college	IQAC	UGC	2014 1825	300000
College	Comp. 9	RUSA 1.0	2015 365	32223
College	Comp. 9	RUSA 1.0	2016 365	177685.85
College	Comp. 12	RUSA 1.0	2017 365	1086956

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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View Link](#)

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 Uploaded File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. Student Satisfaction Survey 201718 2. Verification of CAS cases 3. Knowledge Sharing : Under the Guidance of Principal, IQAC has established a common practice in the college that a faculty member, who has participated in such OP, RC, FDP, STC etc., has to share the knowledge they gained from such programmes.

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

Plan of Action	Achivements/Outcomes
To take care of Career Advancement Scheme (CAS) of faculty members	Guided to prepare API Files of the faculty members for the Career Advancement Scheme (CAS). CAS cases checked, analysed, verified, proposed by IQAC and put forward to higher authorities for sanction promotion under CAS.
To plan, organize and conduct Annual Sports, cultural activities for the all-round development of students.	College has organized inter class sports tournaments for different sports events. Selected players are encouraged to participate in University level inter-college tournaments. College has organized various cultural activities under SAPTADHARA. Organized Annual Day Function. Winners of all the sports and Cultural activities are felicitated in Annual Day Function.
To plan, organize and conduct Extension activities under NSS	NSS coordinator Dr U. P. Tarpada has nicely conducted various NSS activities in the college
To start UG TY B.Sc. with specialization in Zoology.	From the academic year 2017-18, i.e., from June 2017 at UG level, TY B.Sc. with specialization in Zoology subject was started in the college.
To start PG courses.	PG course in Chemistry (M.Sc. - Chemistry) started by department of chemistry from June-2017. 57 students enrolled in M.Sc. Sem 1
To carry out Student Satisfaction Survey 2017-18 (SSS)	per the NAAC (National Assessment and Accreditation Council) guideline, Government Science College, Gandhinagar has conducted an online "Student Satisfaction Survey" regarding Teaching - Learning & Evaluation.
To prepare AQAR.	AQAR is prepared as per the format & guidelines.
To prepare annual calendar for the year 201718.	As per the guidance of principal, the IQAC cell of the college has prepared

	academic calendar for the year 201718 in consultation of Heads of all the Departments and chairman of different committees of college in accordance with Gujarat University's academic calendar.
To prepare common framework of teaching plan and provide it to faculties through HoDs.	Common framework of teaching plan was prepared and provided it to faculties through HoDs by IQAC. Each faculty member formulated his / her own semester wise teaching plans as per the allotted course / subjects / papers and lectures in accordance with the college calendar. Each faculty member submitted prepared teaching plans to respective Head of Department.
To strengthen the Library by purchasing books, journals & to make provisions for e-resources.	College is registered for N-LIST to use the facility of INFLIBNET e-resources. Various services were started by library like... Services for new arrivals of books and magazines. Newspaper clipping services. Reading services and Reference services. Remote login through EZ proxy. Bulletin Board services. Photocopy services
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2017
Date of Submission	30-Sep-2017
17. Does the Institution have Management Information System ?	No

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

? Our institute is affiliated to Gujarat University. Therefore, the designing of the curriculum is done by the members of boards of studies of the

university. Although; Title, content, credits, and references of the foundation, core and elective courses are suggested by our teaching staff members who are members of board of study. Our institute have to implement and operationalize the curriculum designed by Gujarat University. ? A common framework of teaching plan for all the subjects is prepared by the IQAC cell of the College, which includes coursework of the subject, period required for its completion and schedule for practical work. ? Each faculty member formulates his / her own semester wise teaching plans as per the allotted course / subjects / papers and lectures in accordance with the college calendar. Each faculty member submits prepared teaching plans to respective Head of Department. ? Each Head of the Department looks after the progress in the teaching - learning in each of the course work as per the submitted teaching plans. ? Departmental academic plan is prepared by the head of the respective departments under the supervision of head of the institution. ? Thus, IQAC of the College is actively involved in planning and execution of academic calendar, departmental plan & individual teaching plan. Moreover, IQAC also emphasizes on quality control of the teaching, learning, and evaluation process. ? For curriculum implementation, Teachers use to develop good rapport and healthy relationship with students in order to know their background knowledge and understanding of the subjects, and accordingly design student centric classroom teaching - learning process and takes care of imparting knowledge to the students looking to their level of understanding. ? Faculty members also conduct lectures by the optimum use of ICT in order to increase the effectiveness of teaching-learning process. ? The faculty members make use of ICT as well as different kinds of teaching learning techniques to provide student centric quality education to the students. ? Various co-curricular activities like field visits, industrial visit, study tour, popular lectures, guest lectures, National Science Day celebration, stage show of experiments etc. are carried out to boost main stream curriculum. ? All the departments have well equipped laboratories and faculties make use of it to provide the real understanding of the subject by performing the experiments included in the curriculum. As a part and parcel of basic science study, students have to perform experiments / practicals as per the syllabi of their courses. The experience of doing practicals, taking observations and exploring something out of it and knowledge gained from it is far more valuable, long lasting and more personal than any other type of education. ? The curriculum is completed by the faculty members within stipulated time as per the course plan and calendar. However, special extra classes / practical sessions are also arranged to cope up with the shortage of time.

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
No Data Entered/Not Applicable !!!					

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
MSc	M.Sc. Chemistry	15/06/2017
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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
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BSc	B.Sc. (Botany, Chemistry, Maths, Physics, Microbiology)	15/06/2011
BSc	B.Sc. (Zoology)	15/06/2017
MSc	M.Sc. (Chemistry)	15/06/2017

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

Certificate	Diploma Course
No Data Entered/Not Applicable !!!	

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
No Data Entered/Not Applicable !!!		
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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
No Data Entered/Not Applicable !!!		
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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	No
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>Feedback from students on Curriculum : Our institution has a formal mechanism to obtain feedback from students on Curriculum. By analyzing these feedbacks suggestion and recommendations are listed which are forwarded to Gujarat University by our teaching staff members who are members of board of study in their specialized subject. Student's feedbacks and responses on curriculum are used to enrich curriculum by incorporating more examples, case studies, field studies, seminars, question bank, diagrams, online references, e-books, videos, and animations. Stakeholder can send their feedback offline as well as online through college website. • Feedback from students on Teachers : For the evaluation of teacher, the college has introduced the practice of getting feedback from the students by a general questionnaire. The questionnaire used to obtain students' feedback on teachers is contains 10 items for the assessment of teacher. Students have to give their feedback on each of the items by giving appropriate grade (A, B, C, or D) designed on 4 -point scale. • Analysis of Feedback : The analysis of the feedback is carried out through spread-sheet and Cumulative Grade Point Average (CGPA) is calculated for each of the teacher. From the findings of feedback, teacher is asked to do better in the respective area for the improvement. The outcome of the feedback analysis</p>

is informed to the respective teachers so that they may understand their strengths and weaknesses, which ultimately lead to overall improvement of the teaching-learning process. • Suggestion Box: Suggestion boxes are placed on different sections of the college campus. Students are encouraged to use the suggestion boxes to express constructive suggestions regarding teaching-learning process. • Online Feedback: Students / Parents can also send their feedback through college website, or by e-mail.

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	B.Sc. (Botany, Chemistry, Maths, Physics, Microbiology, Zoology)	520	633	633
MSc	M.Sc. (Chemistry)	60	57	57
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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
2017	1428	57	40	0	7

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
40	14	6	2	0	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)

YES. ? Academic Guidance Support : • Academic counselling is provided to select their core elective subjects • Faculty members act as mentors and look after student's attendance, progress in assignment work, academic progress, contribution in interaction during classroom teaching and practical work. • Students are encouraged to participate in the National Essay Competition organized by Department of Atomic Energy, IAPT (Indian Association of Physics Teachers), etc. • The students are encouraged to participate in seminars and conferences organized by various institutes. ? Career Guidance Support : • UDISHA Cell : Universal Development of Integrated Employability Skills through higher education agencies – a career counseling and placement cell has been established in the college. • Seminars for Career Guidance : Subject related carrier guidance seminar are

conducted by the respective departments. • General Knowledge Test : This cell conducts the general knowledge tests of the students and guides students accordingly based on their performances. • Career Guidance to Female Students : Career guidance was given to female students by CWDC. • Personal and Psycho-Social Support : • College helps to address sort out the personal problems of the students. • Faculty members addresses the general student life problems such as stress related to study, exam phobia, nervousness, peer pressure, etc. and accordingly mentor the needy students individually. • Anti-ragging cell keeps constant careful vigilance on campus activities. • CWDC of the college takes care of the problems of the girl-students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1428	40	1:36

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
50	40	10	Nil	28

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
No Data Entered/Not Applicable !!!			
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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	21	Semester 6	04/05/2018	27/05/2018
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

• Since our college is affiliated with Gujarat University, college has to follow the guidelines of the University. • The evaluation of performance of a student in each course comprises of two main components : (i) Internal Evaluation (30 Marks/Paper), (ii) External Evaluation (70 Marks/Paper). • Use of Continuous Internal Assessment : As per the University guidelines all the department follows the procedure to assess students continuously by providing course / paper based assignments, conducting quiz tests, viva, regular checking of practical record books and journals, conducting students' seminars based on curriculum etc. • Internal evaluation for each course is carried out by a continuous internal assessment (CIA) by the concerned course teachers as well as by an end semester internal examination. • The components for the CIA and their weightage in terms of marks are : o Attendance : 5 Marks o Assignments : 5 Marks o Quiz/Viva/Seminar : 5 Marks o Semester End Examination : 15 Marks • College conducts internal examinations at the end of each semester. College also organize an additional test (re-test) who fails to appear in the examination due to genuine reasons like students who miss the internal test due

to their medical reasons or due to participation in University sports or cultural programmes, NCC and NSS camps. The Internal Test of each paper is of 30 marks. The pattern, blue print and paper style of the test paper is same as that of in university exams. The question paper comprises of descriptive and short answer questions.

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

• As per the guidance of principal, the IQAC cell of the college prepares academic calendar in consultation of Heads of all the Departments and chairmen of different committees of college in accordance with Gujarat University's academic calendar. • The academic calendar includes tentative schedule of all the academic activities, internal and external examinations, co-curricular activities and extra-curricular activities including sports, cultural and extension activities. • The copy of academic calendar is issued to all Heads of departments and chairmen of various committees, so that it can be executed accordingly. • College displays the Academic calendar on notice board and also uploads it on college website before the commencement of the every academic year. It provides the plan of action for the upcoming academic year to teachers, students and parents.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.gscgandhinagar.in/page?gid=28>

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
021	BSc	B.Sc. (Botany, Chemistry, Maths, Physics, Mic robiology, Zoology)	468	291	62.18

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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)

<https://www.gscgandhinagar.in/view-pdf?id=19>

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
Nil	00	NIL	0	0

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
0	NIL	

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
0	NIL	NIL	Nil	NIL
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nil
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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	0

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)
National	PHYSICS	1	0.96
International	PHYSICS	2	Nil
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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
NIL	0
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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
Tailoring of Cu crystal	G. R. Patel	International Journal of Research	2017	Nil	GOVERNMENT SCIENCE COLLEGE, G	Nil

phase with non-face centred cubic phase:the tetragonal phase		in Modern Engineering and Emerging Technology (IJRMEET)			NADHINAGAR	
Effect of Size and Shape on Static Refractive Index, Dielectric constant and Band gap of Nano solids	G. R. Patel	IJSRPAS	2018	Nil	GOVERNMENT SCIENCE COLLEGE, G NADHINAGAR	Nil
Equations of state and pressure dependence of bulk modulus for aggregated diamond nanorods	G. R. Patel	Indian J. Phys	2018	Nil	GOVERNMENT SCIENCE COLLEGE, G NADHINAGAR	Nil
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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
--	NIL	NIL	Nil	0	0	NIL
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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	2	4	2	0
Presented papers	2	1	2	0
Resource persons	1	0	0	0
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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
International Yoga Day (21/06/2017)	NSS	50	100
Voter Awareness Rally (20/07/2017)	NSS	1	50
Tree Plantation (05/08/2017)	NSS	1	50
National Librarian's Day Celebration (12/08/2017)	Library	1	100
Thalassemia Check- Up Camp (16/11/2017)	NSS Unit Red cross Society, A'bad	1	472
AIDS Awareness Law Education Programme (01/12/2017)	NSS District TB Centre, DPNCC, Gandhinagar	1	100
Voter Awareness Rally (02/12/2017)	NSS	1	60
Environment Awareness Week (10/12/2017 to 16/12/2017)	NSS	1	60
One Day Seminar on Youth Management (12/01/2018)	NSS Library Committee Ram Krishna Paramhans Mission	1	60
Vanchan Shibir (Reading Camp)	NSS Library Committee	2	80
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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	0	NIL	0
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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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
NSS	KCG, Ahmedabad	NSS Mock Parliament (28/01/2018)	1	15
NSS	Gujarat	Inter College	1	10

University

Work Camp
(25/03/2018 to
31/03/2018)[View File](#)**3.5 – Collaborations**

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

Nature of activity	Participant	Source of financial support	Duration
NIL	0	NIL	0
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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	Nil	Nil	00
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
NIL	Nil	NIL	0
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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
512000	503968

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Others	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
SOUL Software	Fully	SOUL 2.0	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	8891	Nil	Nil	Nil	8891	Nil
Reference Books	753	Nil	Nil	Nil	753	Nil
e-Books	3100000	Nil	Nil	Nil	3100000	Nil
e-Journals	6000	Nil	Nil	Nil	6000	Nil
Journals	2	7800	1	950	3	8750
Library Automation	1	Nil	Nil	Nil	1	Nil
Weeding (hard & soft)	348	Nil	Nil	Nil	348	Nil

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	50	35	0	0	0	4	11	4	0
Added	0	0	0	0	0	0	0	0	0
Total	50	35	0	0	0	4	11	4	0

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

4 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

No Data Entered/Not Applicable !!!

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities

Expenditure incurred on maintenance of academic facilities

Assigned budget on physical facilities

Expenditure incurred on maintenance of physical facilities

No Data Entered/Not Applicable !!!

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)

The physical facilities including Laboratories, Library, Classrooms and Computers etc. are made available for the students those who are admitted in the college. • Laboratory : College has total 10 Laboratories. Out of which 2 Physics laboratories, 3 Chemistry laboratories and 3 Biology laboratories, 2 Microbiology laboratories. Each laboratory is maintained by respective Head of the Department and Lab in charge teacher along with the support of laboratory assistants. • Library : Library committee headed by the Principal takes care of maintaining and upgrading the facilities of library. Our institute always tries to make an optimal usage of infrastructure in order to meet the needs of academic and non-academic activities. Library is divided into different sections like Lending Section, Reference Section, Circulation Counter, Reading Section, Newspapers reading area, one computer for accessing e-resources, Periodicals/Magazine Section • Computers : ICT committee takes care of maintaining and upgrading the computer facilities available in the college. They also look into the College website, up-gradation, biometric services. • Botanical Garden : The college has a Botanical garden with varied plant species. Biology department takes care of the botanical garden. • DELL : Digital English Language Laboratory (DELL) at our institute which is equipped with 25 computers servers connected with one master computer. English teacher takes care of the Lab. • CCTV surveillance: Entire College Campus including Classrooms, lobbies Grounds, Parking area under the CCTV surveillance. In order to maintenance of the system AMC is carried out. • ICT Facilities : • Our institute always tries to make an optimal usage of infrastructure in order to meet the needs of academic curricular and co-curricular activities.

<https://www.gscgandhinagar.in/page?gid=36>

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	Schemes of State Government	331	Nil
Financial Support from Other Sources			

a) National	Nil	1	Nil
b) International	Nil	Nil	Nil
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
No Data Entered/Not Applicable !!!					
No file uploaded.					

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
No Data Entered/Not Applicable !!!		

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
No file uploaded.					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
No file uploaded.					

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
No Data Entered/Not Applicable !!!	
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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
Interclass Volley Ball Tournaments	College : Interclass	30
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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
No Data Entered/Not Applicable !!!						
No file uploaded.						

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

- Student council is framed by the rules and regulation of Gujarat University. A student representative is selected on merit basis.
- Students of third and second year are selected for the post of General Secretary and Cultural General Secretary respectively.
- A girl student is selected for the post of Ladies representative.
- Other post of the Student council is Gymkhana General Secretary, Elocution General Secretary, and Magazine General Secretary.
- The student council has the right to vote for the University Senate and student welfare election.
- The students are honoured at the College's Annual Day.
- The sports day, cultural days, various special days, canteen day are managed by the student council.
- Expenditure of the events is managed in consultation with the Student Council.
- In addition to internal funds, they are permitted to raise funds through sponsors.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

No Data Entered/Not Applicable !!!

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

No Data Entered/Not Applicable !!!

5.4.4 – Meetings/activities organized by Alumni Association :

No Data Entered/Not Applicable !!!

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)

? Academic Departments Head of Department (HoD) : In order to decentralize all the academic functioning and activities, subject wise departments are formed and nominate senior teacher of the subject as the Head of department. As per

the guidelines and supervision of Principal, HoD takes care of all the planning and implementation of departmental academic activities. ? Various Committees Chairmen of the Committee : In order to decentralize curricular, cocurricular and extra-curricular activities, extension activities, cultural sports activities various committees are formed. As per the guidelines and supervision of Principal, chairman of the committee along with the members of committee take care of planning and implementation of prescribed activities. ? Following Committees were formed for the decentralization of college activities : 1. Separate Admission Committees for First, Second Third Year 2. Time Table Committee 3. Internal Exam Committee 4. External Exam Committee 5. UDISHA (Universal Development of Integrated employ-ability Skills through Higher education Agencies) 6. Saptadhara Committee 7. Academic Activity Committee 8. Library Committee 9. Cultural Committee 10. Sports Committee 11. CWDC (Collegiate Women Development Cell) 12. NSS (National Service Scheme) 13. NCC (National Cadet Corps) 14. UGC (University Grants Commission) Committee 15. IQAC (Internal Quality Assurance Cell) 16. RUSA (Rashtriya Uchcha Shiksha Abhiyan) 17. Purchase Committee 18. Anti-ragging Cell 19. Discipline Committee 20. SC ST Cell 21. SRC (Student Representative Council) 22. Prize Distribution Committee 23. RTI Committee 24. ICT Committee 25. IT Committee

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

No

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
Curriculum Development	Our college is affiliated to Gujarat University. As a member of the board of studies, some faculty members are also involved in designing the new curriculum in respective subject. College has adopted CBCS system from the year 2011-2012. The students are offered wide range of options for the foundation, core and elective subjects specified in the curriculum by Gujarat University. As a member of the board of studies, some faculty members are also involved in designing the new curriculum in respective subject.
Teaching and Learning	For curriculum implementation, Teachers prepares their Teaching Plan as per the academic calendar of the college. Teachers use to develop good rapport and healthy relationship with students in order to know their background knowledge and understanding of the subjects, and accordingly design student centric classroom teaching - learning process and takes care of imparting knowledge to the students looking to their level of understanding. Faculty members also conduct lectures by the optimum use of ICT in order to increase the effectiveness of teaching-learning

process. More emphasis is given on practical sessions, which includes demonstration and hands on experience.

Examination and Evaluation

The performance of a student in each course is evaluated in terms of percentage of marks with a provision for conversion to grade points. The evaluation of the performance of a student in each course comprises of two main components: (i) Internal Evaluation, (ii) External Evaluation. External evaluation is carried out by Gujarat University. Internal evaluation for each course is carried out by a continuous internal assessment (CIA) by the concerned course teachers as well as by an end semester internal examination. For CIA evaluations techniques like assignments, regular checking of practical record-books journals, conducting quiz viva, seminars and internal test.

Research and Development

As the institution is an undergraduate college of government of Gujarat, it does not have outstanding infrastructure facilities as far as research is concerned. But most of the teachers are Ph.D. holders, who are enthusiastic to continue research work in collaboration of their mother institute of Ph.D. studies. Teachers are encouraged to carry out research work. Faculty members are encouraged to participate in State, National and International level conferences, seminars, symposia, workshops and also present their research papers.

Library, ICT and Physical Infrastructure / Instrumentation

More emphasis is given to upgrade library, ICT facilities and other physical infrastructure in the college from the available grants of UGC RUSA.

Human Resource Management

Ours being a government college, the selection process of permanent teachers is carried out by State Government approved agency Gujarat Public Service Commission (GPSC) as per the UGC Regulations and Government Recruitment Rules. On the basis of the recommended list of GPSC, Department of Education, Government of Gujarat carries out further process of recruitment orders of teachers.

Industry Interaction / Collaboration

To increase knowledge of the students regarding recent advances, emerging trends and development in the industries, Institute conducts

industrial visits for students. Departments organizes the field visits and study tour to Research Institutes Industries for experience based learning.

Admission of Students

University level centralized online admission process conducted by Gujarat University Admission Committee (GUAC) is followed by the college for the first-year B.Sc. from the academic year 2017-18. The entire admission process is carried out by Gujarat University through website <https://www.gujaratuniversity.ac.in/admission> College level different admission committees are formed for the subsequent years, i.e., for S.Y. (Semester 3 4) T.Y. B.Sc. (Semester 5 6) admission process. Offline admission process is followed by each of the admission committee. Each admission committee takes care of all the rules - regulations and guidelines of the college in accordance of Gujarat University and Government policies. As college follows the CBCS, admissions in the respective groups are given as per students' choices of subjects.

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

E-governance area	Details
Planning and Development	Nil
Administration	College Profile is placed on e-Gyan portal prepared by office of Commissioner of Higher Education. College website also facilitates information of college including Motto, Vision, Mission, Departments, Staff details, Teachers' profile, Academic Calendar, Various Committee details, library details, day to day activities notices etc. So, Parents as well as Students can have easy access of college information.
Finance and Accounts	Gujarat State Wide Area Network (GSWAN) connection is provided to college by Department of Science Technology, Government of Gujarat. GSWAN Connectivity creates foundation for rolling out any service electronically hence it is one of the cardinal factors in e-governance. This GSWAN intranet provides secure access to IFMS - "Integrated Financial Management System" which is used in all Government Offices to look after

	financial matters. Salary bills are submitted to the treasury office through IFMS platform. Salary of faculty members and staff is transferred directly to the bank account.
Student Admission and Support	University level centralized online web enabled admission process conducted by Gujarat University Admission Committee (GUAC) is followed by the college for the first-year B.Sc. So, Applications for admission are submitted through the online GUAC web portal.
Examination	Gujarat University Examination Forms are submitted online by college through Exam Forms Correction System (EFCS) platform. College use to submit internal marks online to Gujarat University. Our university website provides information regarding Exam Circulars, Examination Schedule, Seat Numbers, Seating Arrangement, Results, etc. This system is student friendly.

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
No Data Entered/Not Applicable !!!				
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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)
No Data Entered/Not Applicable !!!						
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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
OP :	1	29/05/2017	25/06/2017	28

Orientation Programme				
RC : Refresher Course on Indian Education System	2	10/07/2017	30/07/2017	21
OP : Orientation Programme	1	23/10/2017	17/11/2017	28
RC : Refresher course in Environmental chemistry	3	18/12/2017	07/01/2018	21
STC : Training of teachers on Fundamentals and applications of remote sensing and GIS	1	09/04/2018	14/04/2018	6
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
32	32	31	31

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
No Data Entered/Not Applicable !!!		

6.4 – Financial Management and Resource Mobilization

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

No Data Entered/Not Applicable !!!

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
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

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	Yes	NAAC	Yes	KCG
Administrative	Yes	NAAC	Yes	KCG

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

No Data Entered/Not Applicable !!!

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

No Data Entered/Not Applicable !!!

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

No Data Entered/Not Applicable !!!

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	Yes

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
2017	National Library Week Celebration	Nil	14/11/2017	20/11/2017	150
2018	Vanchan Shibir (Reading Camp)	12/01/2018	Nil	Nil	80
2018	One day Seminar on Depression and Suicide prevention	05/03/2018	Nil	Nil	86
2017	International YOGA day	21/06/2017	Nil	Nil	100

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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
Guest lecture - women health awareness	17/02/2018	17/02/2018	150	0

Rally on "Beti Bachao Beti Padhao"	08/03/2018	08/03/2018	120	0
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7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
<p>Renewable energy: The college has installed solar panels on the terrace of the college building and on hostel building. Electricity generated from these solar panels is used in the college and hostel. Rain water harvesting: The College has big terrace area which is useful to collect rain water in a tank, kept at ground level. This collected rain-water is then used throughout the year in experimental work in all Departments. This reduces the use of electricity to produce distilled water. Save electricity: Use of led lights in the campus helps to reduce electricality bills. Additionally tube-lights, bulbs, fans, air conditioners, computers, projectors, printers and all other electric appliances are switched off when not in use. Save gas: In Microbiology Department and in Chemistry Department, students and staff are regularly instructed to turn the Bunsen burner off when it is not in use - this helps to reduce natural gas consumption</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	Nil	1	20/01/2018	07	7 Days NSS Camp at "Por" Village on theme "Awareness on Government Plans Student Parliament Training"	Awareness on Government Plans	56
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct for students, teachers and administrators	15/06/2017	Discipline committee, CWDC and Anti-ragging committee take the follow up of violation in code of conduct is found.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
World Yoga Day Celebration	21/06/2017	21/06/2017	150
One Day Seminar on Youth Management By NSS Library Committee Ram Krishna Paramhans Mission	12/01/2018	12/01/2018	80
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Save water: In the college campus and in the boys hostel building, water pipe lines, valves and taps are regularly checked for any kind of leakage of water. Students and staff are regularly instructed to use water judiciously and to stop wastage of water. 2. Rain water harvesting: The College has big terrace area which is useful to collect rain water in a big tank, kept at ground level. This collected rain-water is then used throughout the year in experimental work in all Departments. 3. Green campus: The College is having a huge Eco-friendly campus (Area: 199064.87 m²) serving as habitat for diversified flora and fauna. Tree plantation programs are regularly carried out in the campus to increase the green cover of the campus. 4. Renewable energy: The college has installed solar panels on the terrace of the college building and on hostel building. Electricity generated from these solar panels is used in the college and hostel. 5. Save electricity: Use of led lights in the campus helps to reduce electricality bills. Additionally tube-lights, bulbs, fans, air conditioners, computers, projectors, printers and all other electric appliances are switched off when not in use. 6. Cleanliness drive: College campus is kept clean by regular collection of garbage by solid waste department of Gandhinagar municipal corporation. In addition to this cleanliness drive is often carried out by college students and staff members.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 1. Title of the Practice: Social Services through NSS 2. Objective of the Practice: To promote social responsibility, community engagement, and personal development of students through impactful National Service Scheme (NSS) activities. 3. The Context: To prepare graduating students as responsible citizens by providing chance to them in engaging selfless social services through 'National Service Scheme' is one of the important motives of higher education. 4. The Practice: NSS volunteers of the college were engaged in social activities like World yoga day celebration, Voter awareness campaign, Treen plantations, Thalassemia checkups, Environment awareness program, Word HIV Day program, Swami Vivekanand Jayanti celebration, Suicide prevention seminar, Gandhinagar district inter college mock parliament etc. which raised sense of social responsibility in them. 5. Evidence of Success: Satisfaction expressed by NSS volunteers and members of the society, certificates issued by authorities and agencies who collaborated with us and media coverage of social activities certified the success of the scheme. 6. Problems encountered and Resources required: Arrangement of medical devices, logistic support and coordination with voters were quite problematic. Required resources were appropriate venues for the programs, information materials, and organizational support.

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

<https://www.gscgandhinagar.in/best-practices-2017-18>

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

Institutional Distinctiveness (AY: 2017-18) Government Science College - Gandhinagar (GSCGNR) was established in 1970 and is managed by Education Department - Government of Gujarat. The college is headed by the regular Principal (GES-I). The college provides access to academic excellence and offers all-round development of students of all sections of the society irrespective of gender, caste, creed, religion and socio-economic status. GSCGNR is the only one Government College (Affiliated, UG) of Gandhinagar District offering higher education in science. The college is located near the heart (Mahatma Mandir - the convention and exhibition centre developed by Government of Gujarat) of Gandhinagar City - the Clean and Green Capital of Gujarat. The College is having a huge Eco-friendly campus (Area: 199064.87 m²) serving as habitat for diversified flora and fauna. Following is the area in which college stands out as unique. Youth Empowerment The NSS unit has successfully organized District Inter-College Mock Parliament on 09/03/2018 in which 36 students of GSCGNR and three other colleges, all together have participated. 20 members of ruling party and 15 members of opposition party were appointed, while 01 student of GSCGNR was appointed as a speaker of the house. Leader of the house and leader of the opposition as well as all cabinet ministers were appointed. One bill on 'current education system' was passed with suggested amendments while the other bill on 'social welfare' could not be passed in the parliament. Leadership quality, the power of oratory and communication skills were observed in the budding representatives of people. 'Parliament for People' was envisaged.

Provide the weblink of the institution

<https://www.gscgandhinagar.in/institutional-distinctiveness-2017-18>

8.Future Plans of Actions for Next Academic Year

To carry out the work as per the suggestions given in the NAAC Cycle 2 Report to strengthen the college.