

Annual Quality Assurance Report (AQAR) of the IQAC for the Academic Year 2018-19

(For Affiliated College)

(Revised as per Revised Accreditation Framework in November, 2017
As per Guidelines of Version 5 dated 12-01-2018 (23/5/2018))

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

By



Government Science College, Gandhinagar

**Government Science College,
Sector – 15, G-Road, Near Mahatma Mandir,
Gandhinagar – 382015
Gujarat**

Part – A

Data of the Institution

(data may be captured from IQA)

1. Name of the Institution : Government Science College, Gandhinagar

- Name of the Head of the institution : Dr K. G. Chhaya (Upto 08/03/2019)
Dr M. G. Bhatt (From 09/03/2019 Onwards)
- Designation: Principal
- Does the institution function from own campus: YES
- Phone no./Alternate phone no.: 079-23222352
- Mobile no.: +91-9909012291 (Dr K. G. Chhaya)
+91-9426737221 (Dr M. G. Bhatt)
- Registered e-mail: gscgnr@gmail.com
- Alternate e-mail : chhayakg@gmail.com (Dr K. G. Chhaya)
mahendra.statistics@gmail.com (Dr M. G. Bhatt)
- Address : Government Science College,
Sector 15, G – Road, Nr. Mahatma Mandir, Gandhinagar
- City/Town : Gandhinagar
- State/UT : Gujarat
- Pin Code : 382016

2. Institutional status:

- Affiliated / Constituent: Affiliated
- Type of Institution: Co-education
- Location : Rural/Semi-urban/Urban: Semi-urban
- Financial Status: UGC 2f and 12 (B)
- Name of the Affiliating University: Gujarat University, Ahmedabad
- Name of the IQAC Co-ordinator : Dr Chetan K. Chauhan (From 31/12/2016)
- Phone no. : 079-23222352
- Mobile: +91-9825765981
- IQAC e-mail address: ckc33@rediffmail.com

3. Website address: <https://www.gscgandhinagar.in/>

Web-link of the AQAR: (Previous Academic Year 2017-18):
https://www.gscgandhinagar.in/assets/admin/images/AQAR_2017-18_GSCG.pdf

4. Whether Academic Calendar prepared during the year?

College has to follow the Academic Calendar declared by Gujarat University.

Weblink : https://www.gujaratuniversity.ac.in/data/circular/general-circular/Academic%20Acalender%202018-19%20-A_Rerevised.pdf

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	B	2.53	2010	28/03/2010 to 27/03/2015
2 nd	B ⁺	2.69	2017	09/06/2017 to 08/06/2022
3 rd				from: to:

6. Date of Establishment of IQAC: 25/01/2011

Date of Revised IQAC : 30/12/2016

7. Internal Quality Assurance System

7.1 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

Note :

- **IQAC** : The college has established Internal Quality Assurance Cell (IQAC) as per the guidelines of UGC and NAAC.
- **Planning and Execution** : 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.
- **Use of Resource Material** : IQAC encourages faculty members to use textbooks, reference books, and internet facility, e-resources and e-journals available on INFLIBNET N-LIST website for preparing their lectures for effective teaching.
- **Participation in Faculty Development Programmes** : IQAC encourages the faculty members to participate in orientation programmes (OP), refresher courses (RC), faculty development programmes (FDP), short term courses (STC), capacity building programmes, workshops, etc to enhance their knowledge to improve teaching.

- **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.
- **Use of ICT in Teaching - Learning Process** : Use of Digital Podium, Multimedia Projectors for the effective teaching-learning process. Technical assistance is also provided through experts to use such equipment.
- **Participated in NIRF (National Institutional Ranking Framework).**
- **Participated in GSIRF (Gujarat State Institutional Ratings Framework)** : The Executive Committee of the Knowledge Consortium of Gujarat, Department of Education, Government of Gujarat on the recommendation of the duly appointed agency, the Indian Centre for Academic Rankings and Excellence (ICARE) has rated our Institute – Government Science College, Gandhinagar as a 3 Star Institution with CGPA of 2.58 out of 5 in category of colleges on the basis of comprehensive performance metrics as set out in the **Gujarat State Institutional Ratings Framework (GSIRF)** on the 28th February 2019 and valid upto 30th March, 2020.
- **First Draft of DPR prepared & submitted to KCG for RUSA 2.0, Component 9** : First initial draft of Detailed Project Report (DPR) was prepared for RUSA 2.0, Component 9 – Infrastructure Grants to Colleges as per the directions & guidelines received from Knowledge Consortium of Gujarat (KCG), Ahmedabad. College was selected for RUSA 2.0, Component 9 Infrastructure Grants to Colleges by 12th PAB of RUSA, MHRD, New Delhi held on 25th May, 2018.
- **Guided and Verify the API files of the Asst. Professors for CAS Promotions** : IQAC has guided Asst. Professors for the preparation of API files, who are entitled to get higher scale under the Career Advancement Scheme (CAS) promotions. On 24th August, 2018 IQAC committee members meeting was held to verify all the submitted API files for the CAS promotions. On 29th August, 2018 all the API files were verified and submitted to the office of the Commissionerate of Higher Education, Gandhinagar for further process.
- **Submission of College Data on NHERC – MIS Data on Portal** : IQAC has prepared data of last SIX years as per the prescribed format and submitted the data online on centralized database portal, namely, National Higher Education Resource Centre's Management Information System (NHERC – MIS) Portal.
- **Entrepreneurship Awareness Camp Programme** : In order to create awareness regarding entrepreneurship, a three days programme on “**Entrepreneurship Awareness Camp**” was organized by the college for the college students during 11/10/2018 to 13/10/2018.
- **Participation in STEM Seminar** : College faculties and students had participated in Vibrant Gujarat Futuristic Technology Exhibition, Space Exhibition & International STEM Seminar organised by Department of Education & Department of Science & Technology (DST), Government of Gujarat on 17th January, 2019 at Science City, Ahmedabad.

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, XII Plan	6,40,000/-
College	IQAC	UGC	2014, XII Plan	3,00,000/-
College	Comp. 9	RUSA 1.0	2015	32,223/-
College	Comp. 9	RUSA 1.0	2016	1,77,685.85
College	Comp. 12	RUSA 1.0	2017	10,86,956.52

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

*Latest notification of formation of IQAC : 31/12/2016

10. No. of IQAC meetings held during the year:

- Entire staff meetings held regularly on each academic term opening day and term end day in the chairmanship of Principal.
- Term Opening Meeting - common room meeting of all the teaching staff members was held on 12/06/2018 in the chairmanship of Principal Dr K. G. Chhaya.
- Term End Meeting - common room meeting of all the teaching staff members was held on 20/04/2019 in the chairmanship of Principal Dr M. G. Bhatt.
- Formal IQAC members meeting could not arranged at every quarter due to hectic schedule and shortage of staff members.
- However, in the chairman ship of principal HoD's meeting and Various Committee Member's meeting informally conducted as and when required.

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website : NO

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? Yes X No ✓

If yes, mention the amount: Not Applicable Year: Not Applicable

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

- Participated in GSIRF (Gujarat State Institutional Ratings Framework) : Received 3 Star
- Participated in NIRF (National Institutional Ranking Framework)
- Verification of API forms for the CAS cases of eligible Assistant Professors
- College is selected by 12th PAB of RUSA, MHRD for RUSA 2.0, Component 9 Infrastructure Grants to Colleges

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

	Plan of Action	Achievements/Outcomes
1	To prepare annual calendar for the year 2018-19.	As per the guidance of principal, the IQAC cell of the college has prepared academic calendar for the year 2018-19 in consultation of Heads of all the Departments and chairman of different committees of college in accordance with Gujarat University's academic calendar.
2	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.
3	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
4	To participate in GSIRF (Gujarat State Institutional Ratings Framework)	Participated in GSIRF (Gujarat State Institutional Ratings Framework). Obtained : 3 Star CGPA of 2.58 out of 5 Validity : 28/02/2019 to 30/03/2020.
5	To participate in NIRF (National Institutional Ranking Framework)	Participated in NIRF (National Institutional Ranking Framework).
6	To take care of Career Advancement Scheme (CAS) of eligible 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. On 24 th August, 2018 IQAC committee members meeting was held to verify all the submitted API files for the CAS promotions. On 29 th August, 2018 all the API files were verified and submitted to the office of the Commissionerate of Higher Education, Gandhinagar for further process.

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7	To plan, organize and conduct Annual Sports, cultural activities for the all-round development of students.	<p>College has organized inter class sports tournaments for different sports events.</p> <p>Selected players are encouraged to participate in Youth Festival - University level inter-college tournaments.</p> <p>College has organized various cultural activities under SAPTADHARA.</p> <p>Organized Annual Day Function.</p> <p>Winners of all the sports and Cultural activities are felicitated in Annual Day Function.</p>
8	To plan, organize and conduct Extension activities under NSS	NSS coordinator Dr U. P. Tarpada has nicely conducted various NSS activities in the college.
9	Encourage faculties to participate in orientation programmes (OP), refresher courses (RC), faculty development programmes (FDP), short term courses (STC), capacity building programmes, workshops, etc to enhance their knowledge to improve teaching.	Faculties had participated in various programmes like orientation programmes (OP), refresher courses (RC), faculty development programmes (FDP), short term courses (STC), capacity building programmes, workshops, etc to enhance their knowledge to improve teaching.
10	Prepare draft of Detailed Project Report (DPR) is prepared for RUSA 2.0, Component 9 – Infrastructure Grants to Colleges	First initial draft of Detailed Project Report (DPR) was prepared for RUSA 2.0, Component 9 – Infrastructure Grants to Colleges as per the directions & guidelines received from Knowledge Consortium of Gujarat (KCG), Ahmedabad. College was selected for RUSA 2.0, Component 9 Infrastructure Grants to Colleges by 12 th PAB of RUSA, MHRD, New Delhi held on 25 th May, 2018.
11	Prepare for NHERC – MIS Data.	IQAC has prepared data of last SIX years as per the prescribed format and submitted the data online on centralized database portal, namely, National Higher Education Resource Centre's Management Information System (NHERC – MIS) Portal.
12	To organise Entrepreneurship Awareness Camp Programme	In order to create awareness regarding entrepreneurship, a three days programme on “ Entrepreneurship Awareness Camp ” was organized by the college for the college students during 11/10/2018 to 13/10/2018.
13	To organise Vocational Course under RUSA 1.0, Component 12 as per the guidelines of KCG for RUSA 1.0 Component 12 Vocationalization of Higher Education.	As per the guidelines of KCG for RUSA 1.0 Component 12 Vocationalization of Higher Education, college has undergone an MoU with NSDC approved training partner “Adani Skill Development Centre, Ahmedabad” for “Solar Panel Installation Technician” and “Assistant Beauty

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		<p>Therapist “courses. College has started vocational course on “Solar PV Installer” from 15/12/2018 but as training partner has not followed norms of MoU and hence the course was discontinued & MoU was cancelled as per the meeting with State Project Director, RUSA on 05/03/2019.</p> <p>Moreover, another MoU was done with “Vivo Health Care” for the course “Emergency Medical Technician”. But vocational course could not started since the training partner had not shown any interest to start the course.</p>
14	To prepare AQAR.	AQAR is prepared as per the format & guidelines.

14. Whether the AQAR was placed before statutory body? Yes /No: NO

Name of the Statutory body:

Date of meeting(s):

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?

Yes/No: NO

16. Whether institutional data submitted to AISHE: Yes/No: Yes

Year: Each Year

Date of Submission: 30th September

17. Does the Institution have Management Information System?

Yes x **No** ✓

If yes, give a brief description and a list of modules currently operational.
(Maximum 500 words)

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

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
-	-	-	-	-

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
-	-	-	-

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	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
B.Sc. (Botany, Chemistry, Maths, Physics, Microbiology)	√	-		June 2011	-
B.Sc. (Zoology)	√	-		June 2017	-
M.Sc. (Chemistry)	-	√		-	June 2017
Already adopted (mention the year)					

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

	Certificate	Diploma Courses
No of Students	-	-

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
-	-	-

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
No	No	No	No	No

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

- **Online Student Satisfaction Survey 2018-19 was carried out :** As per the NAAC (National Assessment and Accreditation Council) guideline, Government Science College, Gandhinagar has conducted an online “*Student Satisfaction Survey*” regarding Teaching – Learning & Evaluation under the umbrella of Internal Quality Assurance Cell (IQAC) of the college. *Student Satisfaction Survey* (SSS) will help to upgrade the quality of Teaching – Learning & Evaluation in the college. An online Google form is prepared on the basis of Questionnaire prescribed by the NAAC. The link of the SSS is displayed on college notice

board of each and every department. Moreover, the link is also placed on the college website. The link is also sent to some of the students through email. Online link to the *Student Satisfaction Survey* is available on college website. URL for online link is : https://www.gscgandhinagar.in/assets/admin/images/OSSS_2018_19.pdf

- Informal Feedbacks were taken from stake holders like students, teachers & parents by HoDs for the overall development of the department and institute.
- Teachers also use to get feedback from students during their day to day teaching & Practical work.
- Teachers also have an idea regarding the understanding of students from the assignments prepared & submitted by the students.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
B.Sc. (In B.Sc. Semester 1 First Year)	520	Online Centralized Admission by Gujarat University Admission Committee (GUAC)	532
M.Sc. (In M.Sc. Semester 1 First Year)	60	Online Centralized Admission by Gujarat University Admission Committee (GUAC)	52

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 full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018-19	F.Y. B.Sc. : 532 S.Y. B.Sc. : 508 T.Y. B.Sc. : 355 Total UG : 1395	M.Sc. Chemistry F.Y. M.Sc. : 52 S.Y. M.Sc. : 55 Total PG : 107	27 (Permanent) + 3 (Contractual Fix Pay) + 1 Librarian (Fix Pay) + 1 PTI (Fix Pay) = Total 32	NIL	7 (Chemistry Teachers)

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
31	15	Yes	2	0	Yes

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), GSBTM, etc.
- The students are encouraged to participate in seminars and conferences organized by various institutes.
- Students encouraged to participate in Academic Field Visit, Study Tour, etc

➤ **Career Guidance & Support :**

- **UDISHA Cell :** Universal Development of Integrated Employability Skills through higher education agencies – a career counselling and placement cell has been established in the college.
- **Seminars for Career Guidance :** Subject related carrier guidance seminar are conducted by the respective departments.
- **Placement Camp :** Last year students are encouraged to participate in placement camp
- **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
1395	31	1 : 45

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
46	31	15	02	22

2.4.2 Honours and recognitions received by teachers

(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

<i>Year of award</i>	<i>Name of full time teachers receiving awards from state level, national level, international level</i>	<i>Designation</i>	<i>Name of the award, fellowship, received from Government or recognized bodies</i>
2018-19	Dr. U. P. Tarpada	Asst. Professor	National Service Scheme (NSS) State Level Award 2017-18 “Best Programme Officer Award” for the Year 2017-18 from Government of Gujarat, State NSS Cell, Higher Education Department. Award received on 24/09/2018.

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	Programe Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
B.Sc.	NA	Semester 6	09/04/2019	16/05/2019

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 MCQ 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 :
 - Attendance : 5 Marks
 - Assignments : 10 Marks
 - MCQ Test Quiz/Viva/Seminar : 5 Marks
 - Two Unit Test (Best of Two): 10 Marks
 - **Total Internal Marks : 30 Marks**
- College conducts internal two unit test examinations in 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 Unit Tests of each paper is of 20 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.
- University displays the Academic calendar on university website before the commencement of the every academic year. It provides the plan of action for all the affiliated colleges, 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)

- Programme outcomes were clearly depicted in the Motto, Vision, Mission and Graduates Attributes of the college. They are as mentioned in college website.
- **Graduates Attributes Specified by the College :** Our institutes offer the basic science courses. Students are expected to have a strong understanding of the course components by which they can pursue their further studies in future. Moreover, after graduation they are expected to have following attributes -
 - Conceptual and up-to-date knowledge in the subject
 - Scientific Temperament : Scientific attitude and practical orientation
 - Strive for further higher studies
 - Intellectual capabilities : Creative, Critical thinking and reasoning capabilities
 - Ability to apply knowledge
 - Self-confidence
 - Self-empowerment and independent
 - Character Building : Human values, moral values & ethical values
 - Environmental awareness & sensitization
 - Communication skills
 - Technology savvy
 - Sensitization for social responsibilities
 - Capacity to cope up with the unknown problems
 - All-round personality

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
B.Sc.	B.Sc.	392	253	65.04%

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)

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 Academic year
Major projects	NIL	-	-	-
Minor Projects	NIL	-	-	-
Interdisciplinary Projects	NIL	-	-	-
Industry sponsored Projects	NIL	-	-	-
Projects sponsored by the University/ College	NIL	-	-	-
Students Research Projects (other than compulsory by the College)	NIL	-	-	-
International Projects	NIL	-	-	-
Any other(Specify)	NIL	-	-	-
Total	NIL	-	-	-

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(s)
-	-	-

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

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
-	-	-	-	-

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

Incubation Centre	Name	Sponsored by
-	-	-

Name of the Start-	Nature of Start-up	Date of commencement
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up				
-	-	-		
3.3 Research Publications and Awards				
3.3.1 Incentive to the teachers who receive recognition/awards				
State	National	International		
-	-	-		
3.3.2 Ph. Ds awarded during the year (applicable for PG College, Research Center)				
Name of the Department	No. of Ph. Ds Awarded			
-	-			
3.3.3 Research Publications in the Journals notified on UGC website during the year				
Department	No. of Publication			Average Impact Factor, if any
	State	National	International	
Physics	0	0	3	1.32
Chemistry	0	0	0	
Maths	0	0	1	0.2
Botany	0	0	0	
Zoology	0	0	0	
Microbiology	0	0	1	3.2
Total	0	0	5	
3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year				
Department			No. of publication	
Microbiology			1 (Chapter in Edited Book)	
Physics			1 (Conference Proceedings)	
<ul style="list-style-type: none">Dr. S. P. Pithva : Co-Author in Chapter in Book : Chapter titled “Prebiotics and Probiotics in Altering Microbiota: Implications in Colorectal Cancer” in Immunity and Inflammation in Health and Disease: Emerging Roles of Nutraceuticals and Functional Foods in Immune Support, Authors : Ravi Kiran Purama, Maya Raman, Padma Ambalam, Sheetal Pithva, Charmy Kothari, Mukesh Doble; Elsevier, US, 2018, ISBN : 978-0-12-805417-8Dr C. K. Chauhan : Co-Author in Conference Proceedings : Research Paper titled “Growth and characterization of zinc doped bis-thiourea strontium chloride” Authored by Rakesh Hajiyani, Bhoomika Jogiya, Chetan Chauhan, Harshkant Jethva, and Mihir Joshi in International Conference Proceedings of DAE Solid State Physics Symposium 2017, ISSN : 0094-243X(print) 1551-7616(web)				

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

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Effect of Size and Shape on Refractive Index, Dielectric Constant and Band Gap of Semiconducting Nanowire	G. R. Patel, M.Singh, T. C. Pandya	Nanoscience and Nanotechnology Asia	2019		Government Science College, Gandhinagar	
Effect of Shape and Size on Curie Temperature, Debye Frequency, Melting Entropy and Enthalpy of Nanosolids	G. R. Patel, M.Singh, <u>B.Molobilitaele</u>	Oriental Journal of Chemistry (OJC)	2018		Government Science College, Gandhinagar	
50 MeV, Li ³⁺ ion induced modifications in Mossbauer signature and hyperfine interaction parameters of Y _{3+x} Fe _{5-x} O ₁₂ system	Modi K. B., Bhalodia J.A., Raval P. Y., Pansara P. R., <u>Zankat K.B.</u>	International Journal of Scientific Research in Physics and Applied Sciences	2018		Government Science College, Gandhinagar	
Orthogonality Preserving maps and Pro-C*-modules	Dinesh J. Karia, <u>Yogita M. Parmar</u>	The Journal of Analysis	2018		Government Science College, Gandhinagar	

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

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication

3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	1	7	1	0
Presented papers	2	6	0	0
Resource Persons	0	3	3	0

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 co-ordinated such activities	Number of students participated in such activities
Voter Awareness Rally (30/04/2018)	NSS	NSS Programme Officer	50 (NSS Students)
Yoga Training (18-06-2018 to 21-06-2018)	NSS & NCC	NSS & NCC Programme Officer (PTI) Participation of All Staff Member	NSS, NCC Students
Participation in International Yoga Day Celebration (21/06/2018)	NSS & NCC, Gandhinagar District Collectorate	NSS & NCC Programme Officer (PTI) Participation of All Staff Member (Teaching & Non-Teaching Staff)	100 (NSS & NCC Students)
Traffic Awareness survey (June 2018)	NSS Unit & office of the Commissioner of Transport, Gandhinagar	NSS Programme Officer	15 NSS Volunteers have actively participated
Tree Plantation (28/07/2018)	NSS, Vanshree Trust, Happy Youth Club, GE Club	NSS Programme Officer + Teaching Staff	50 (NSS Students)
Participation in Blood Donation camp (09/08/2018)	Organized by Raj Bhavan on Birthday of Hon. Rajyapal Shree	NSS Programme Officer	49 Volunteers have donated blood units
Participation in Plantation Programme (15/08/2020)	NSS Unit & NYK, Gandhinagar	NSS Programme Officer	103 saplings planted by volunteers
NSS Orientation Programme (05/09/2018)	NSS	NSS Programme Officer	200 (F.Y. B.Sc. Students)
Cancer Awareness Campaign Programme (07/09/2018)	NSS, Lions Club-Gandhinagar Human Welfare Foundation	NSS Programme Officer + Teaching Staff	300 Students
Workshop on Use of	NSS Unit & Nisarg	NSS Programme	Students

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Renewable Energy Source to Save Environment (11/09/2018)	Science Centre, Gandhinagar	Officer Speaker : Dr Anil Patel	
Gandhi Jayanti Celebration : Cleanliness Awareness Rally & Campus Cleanliness Abhiyan (02/10/2018)	NSS	NSS Programme Officer + Teaching & Non-teaching Staff	200 Students
Thalassemia Check-Up Camp (09/10/2018)	NSS Unit + Red cross Society, A'bad	NSS Programme Officer + All Staff members	Thalassemia Check-Up of 355 First Year Students was carried out
Participation in Mega Happy Blood Donation camp (20/10/2018)	Organized by Happy Youth Club, Gandhinagar @ Uma Samaj Bhavan, Sector-12, Gandhinagar	NSS Programme Officer	27 NSS Volunteers from NSS Unit, Government Science College, Gandhinagar have donated blood units
Forest Orientation Training Programme on Environment Awareness (29-30/10/2018)	NSS unit & Communication Division, Forest Department, Gujarat State	NSS Programme Officer	47 NSS volunteers have participated in Polo Forest Study Tour
Health & Thalassemia Awareness programme (08/01/2019)	NSS Unit + Red cross Society, A'bad At Adopted Village Por	NSS Programme Officer Invited Speaker : Maheshbhai Trivedi	NSS Students + People of Village
Mental Health & Suicidal Death Prevention seminar (09/01/2019)	NSS Unit & Psychological Department, GMERS, Gandhinagar	NSS Programme Officer Invited Speaker : Sandip Sir	NSS Students + People of Village
Rally on theme "Child Marriage Prevention" at Por Village (10/01/2019)	NSS Unit	NSS Programme Officer	NSS Students
Election Enrolment Campaign at Village	NSS Unit & Assistant Electoral Registration	NSS Programme	During the camp NSS Students have made Por

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Por (7-13/01/2019)	Officer	Officer	Village 100% Electoral Enrolled
General Health Check-up & First Aid Training camp (11/01/2019)	NSS Unit + Red cross Society, A'bad At Adopted Village Por	NSS Programme Officer	NSS Students + People of Village
Health Awareness through Sports (11/01/2019)	NSS Unit	NSS Programme Officer	450 students of Government Primary School, Por
Blood Donation Camp (11/01/2019)	NSS Unit & Indian Red Corss Society, Kalol Taluka Branch	NSS Programme Officer	74 blood units collected
Participation in Blood Donation Camp (02/02/2019)	Organized at Rajbhavan, Gandhinagar	NSS Programme Officer	36 Volunteers have donated blood units
New Bank Account Opening & Government Schemes Awareness (15/03/2019)	NSS Unit & Corporation Bank Gandhinagr	NSS Programme Officer	42 New Accounts with PMJJBY & PMSBY schemes were open
District Level Youth Parliament under Youth Parliament Festival-2019 (28/01/2019)	NSS Unit, IITE-Gandhinagar	NSS Programme Officer + Principal + State Level NSS officer + IITE Dean	47 Students Participated
Participation in Live Telecast of National Youth Parliament (27/02/2019)	NSS Unit	NSS Programme Officer	Students of the college
Seminar on how to develop self- confidence and get rid of depression, use of CCTV camera for security	CWDC	CWDC Committee Members (5)	110 Girl Students
Run for Voter's Awareness (16/04/2019)	Gandhinagar District Collectorate & District Election Officer, Gandhinagar	NSS Programme Officer + All Staff members	Teaching & Non- teaching Staff and 100 Students

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	No. of Students benefited
NSS Activities By NSS Programme officer Dr U. P. Tarpada	National Service Scheme (NSS) State Level Award 2017-18 “Best Programme Officer Award” for the Year 2017-18 Award received from the hands of Education Minister on 24/09/2018.	Government of Gujarat, State NSS Cell, Higher Education Department.	NSS Students

3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities
NSS	Gujarat University	NSS day Celebration (21-09-2018 to 24-09-2018)	NSS Programme Officer	3
NSS	S. P. University	National Integration Camp (25-11-2018 To 01-12-2019)	NSS Programme Officer	4
NSS	BHU, Varanasi	National Integration Camp (18-01-2019 To 24-01-2019)	NSS Programme Officer	1
NSS	Gujarat University	One Day Cleanliness Seminar	NSS Programme Officer	11

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
-	-	-	-

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-To)	participant
-	-	-	-	-

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 and Activities	Number of students/teachers participated under MoUs
-	-	-	-

Note : As per the guidelines of KCG for RUSA 1.0 Component 12 Vocationalization of Higher Education, college has undergone an MoU with NSDC approved training partner “Adani Skill Development Centre, Ahmedabad” for “Solar Panel Installation Technician” and “Assistant Beauty Therapist” courses. College has started vocational course on “Solar PV Installer” from 15/12/2018 for 30 students but as training partner has not followed norms of MoU and hence the course was discontinued & MoU was cancelled as per the meeting with State Project Director, RUSA on 05/03/2019. Moreover, another MoU was done with “Vivo Health Care” for the course “Emergency Medical Technician”. But vocational course could not started since the training partner had not shown any interest to start the course.

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
-	-

Note :

- First initial draft of Detailed Project Report (DPR) was prepared for RUSA 2.0, Component 9 – “Infrastructure Grants to Colleges” as per the directions & guidelines received from Knowledge Consortium of Gujarat (KCG), Ahmedabad.
- College was selected for RUSA 2.0, Component 9 Infrastructure Grants to Colleges by 12th PAB of RUSA, MHRD, New Delhi held on 25th May, 2018.
- In future college will receive grants under RUSA 2.0, Component 9 Infrastructure Grants to Colleges.

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	199064.87 m ²	-
Class rooms	11	-
Laboratories	10	-
Seminar Halls	2	-
Classrooms with LCD facilities	2	-

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Classrooms with Wi-Fi/ LAN	Wi-Fi	-
Seminar halls with ICT facilities	2	-
Video Centre	2	-
No. of important equipment purchased (\geq 1-0 lakh) during the current year.	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	-
Others : Books for library	-	Books for Library
Others : Desk Top Computers		26 Desk Top Computers (Received from KCG)

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System -ILMS }

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SOUL Software	Partially	SOUL 2.0	2016-17

4.2.1 Library Services:

	Existing		Newly Added		Total	
	No	Value	No	Value	No	Value
Text Books	9643		254	37870	9897	
Reference Books	753		5	2681	758	
e-Books	N-LIST Books	N-LIST Subscription By KCG	N-LIST Books	Subscription By KCG	N-LIST Books	Subscription By KCG
Journals	Nil	Nil	Nil	Nil	Nil	Nil
e-Journals	N-LIST Journals	N-LIST Subscription By KCG	N-LIST Journals	Subscription By KCG	N-LIST Journals	Subscription By KCG
Digital Database	Nil	Nil	Nil	Nil	Nil	Nil
CD & Video	Nil	Nil	NIL	NIL	Nil	Nil
Library automation	YES		YES		Yes	Nil
Weeding (Hard & Soft)	348		Nil	Nil	348	Nil
Others (specify)	Nil	Nil	Nil	Nil	Nil	Nil

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Other s
Existing	50 (Out of which 19 Very Old Version Configuration)	10 +25 (Dell)	Internet	-	0	4	11		
Added	26 (Received from KCG)	-	WiFi	-	0	5	21		
Total				-	0				

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

- Internet Facility under NMEICT : Internet is available in Principal Office, Clerical office, Computer Lab and at all the HoDs Chambers
- Jio WiFi
- NAMO WiFi : 12 Points

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
-	-

4.3.4 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
-	-	-	-

- Some of the faculty members have uploaded their lecture notes / reference material on college website.
- Teachers and Students can of access more than 31 lakhs of e-books and more than 6000 e-journals under National Library and Information Services Infrastructure for Scholarly Content (N-LIST) programme of INFLIBNET.
- All the faculty members are provided username and password for N-LIST INFLIBNET facilities of e-resources.

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

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.

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			
Financial support from other sources			
a) State	Umbrella Scheme	67	DBT (Direct Bank Transfer)
	V.K.Y. 156	07	DBT (Direct Bank Transfer)
	B.C.K. 78	11	DBT (Direct Bank Transfer)
	B.C.K. 81 A	300	DBT (Direct Bank Transfer)
	B.C.K. 81	20	DBT (Direct Bank Transfer)
	B.C.K. 6.1	48	DBT (Direct Bank Transfer)
	Dr Ambedkar	08	DBT (Direct Bank Transfer)
	Higher Education	01	DBT (Direct Bank Transfer)
	V.K.Y. 157	02	DBT (Direct Bank Transfer)
	B.C.K. 10	01	DBT (Direct Bank Transfer)
	B.C.K. 138	01	DBT (Direct Bank Transfer)
	B.C.K. 5	03	DBT (Direct Bank Transfer)
		151	DBT (Direct Bank Transfer)
	Total	620	

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b) National	National Merit Scholarship	09	
c) International	-	-	-

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
Component-1 Soft Skill Development Under Finishing School Scheme	05/07/2018 to 15/07/2018 (Training Hours : 25 Hours)	45	Programme conducted as per the Guideline from Knowledge Consortium of Gujarat (KCG) Trainer : Mr. Arup Sinha
Component-2 Employability Skill Development Under Finishing School Scheme	22/07/2018 to 19/08/2018 (Training Hours : 25 Hours)	45	Programme conducted as per the Guideline from Knowledge Consortium of Gujarat (KCG) Trainer : Ms. Disha Popat
Component -3 English Functional Skill Development Under Finishing School Scheme	22/10/2018 to 27/10/2018 (Training Hours : 25 Hours)	45	Programme conducted as per the Guideline from Knowledge Consortium of Gujarat (KCG) Trainer : Dr. Elizabeth P. Christian
Component-2 Employability Skill Development Under Finishing School Scheme	24/12/2018 to 28/12/2018 (Training Hours : 25 Hours)	67	Programme conducted as per the Guideline from Knowledge Consortium of Gujarat (KCG) Trainer : Dr. Viraj Shah

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 by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
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Note : Students are benefited in Placement Camp interviews due to the soft skill, employability skill, English Functional Skill development programmes. 93 students shortlisted in placement camp organized in college.

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	No. of grievances redressed	Average number of days for grievance redressal
-	-	-

5.2 Student Progression

5.2.1 Details of Campus Placement During The Year 2018-19

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
Tech Mahindra	58	55	-	-	-
Sahajanand Laser Tech Limited	4	-	-	-	-
Madhur Dairy	62	-	-	-	-
Acumax Instruments Pvt. Ltd.	22	-	-	-	-
Reliance Nippon	59	-	-	-	-
Nanda Automobiles	65	3	-	-	-
LIC	23	11	-	-	-
First Source Solution Ltd	11	11	-	-	-
HDFC Life Ltd	43	07	-	-	-
Troikaa Pharmaceutical	61	-	-	-	-
Nouveau Medicament	40	6	-	-	-
Shree Rama Multi Tech Ltd	41	-	-	-	-
Syntex BAPL Plastic & Syntex BVM	24	-	-	-	-
Syntex Ppc (Head office)	12	-	-	-	-
City Square Mart	11	-	-	-	-
Total	536	93	-	-	-

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

There is no such mechanism to have data of such kind in college. But most of the students who successfully cleared B.Sc. joins programmes like M.Sc. / B.Ed. in the different Universities of Gujarat, like Gujarat University – Ahmedabad, M. S. University – Baroda, S. P. University – Vallabh Vidyanagar, Saurashtra University – Rajkot, Kadi Sarv Vishva Vidyalay – Gandhinagar, etc.

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	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	-	-
SET	-	-
SLET	-	-
GATE	-	-
GMAT	-	-
CAT	-	-
GRE	--	--
TOFEL	-	-
Civil Services	-	-
State Government Services	-	-
Any Other	-	-

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

Activity	Level	Participants
Interclass Volley Ball Tournaments	College : Interclass	4 Teams
Interclass Cricket Tournaments	College : Interclass	12 Teams
Interclass Badminton Tournaments	College : Interclass	21 Players
Interclass Chess Tournaments	College : Interclass	12 Players
Interclass Hand Ball Tournaments	College : Interclass	3 Teams

Participation in Sports activities / competitions organised at the University level during the year

Cricket Tournaments (Boys)	University Level	16 Players
Badminton Tournaments (Boys)	University Level	3 Players
Badminton Tournaments (Girls)	University Level	3 Players
Chess Tournaments	University Level	2 Players
Handball Tournaments (Girls)	University Level	1 Players
Judo (Boys)	University Level	2 Players
Weight Lifting	University Level	1 Players
Boxing (Boys)	University Level	1 Players
Adventure(Trekking)	Gujarat University	10 Students

Participation in Sports activities/competitions organised at National Inter University level during the year

Handball Tournaments (Girls)	Inter University : National Level	1 Player
Handball Tournaments (Boys)	Inter University : National Level	4 Player
Handball Tournaments (Girls)	National Level	3 Player
Weight Lifting	Inter University : National Level	1 Player
Adventure (Himalaya Trekking)	National Level	1 Player

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/ International	Sports	Cultural	Student ID number	Name of the student

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.
- 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.

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

- The college has an alumni association. (Not Registered)
- Students are enrolled and Rs 100 is charged for life time membership.

5.3.2 No. of ~~registered~~ enrolled Alumni:

5.3.3 Alumni contribution during the year (in Rupees) :

5.3.4 Meetings/activities organized by Alumni Association :

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, co-curricular 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. Research Committee
9. Library Committee
10. Cultural Committee
11. Sports Committee
12. CWDC (Collegiate Women Development Cell)
13. NSS (National Service Scheme)
14. NCC (National Cadet Corps)
15. UGC (University Grants Commission) Committee
16. IQAC (Internal Quality Assurance Cell)
17. RUSA (*Rashtriya Uchcha Shiksha Abhiyan*)
18. Purchase Committee
19. Anti-ragging Cell
20. Discipline Committee
21. SC ST Cell
22. SRC (Student Representative Council)
23. Prize Distribution Committee
24. RTI Committee
25. ICT Committee
26. IT Committee

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

Yes/No/Partial:

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):

❖ **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.

Being a Science College, more emphasis is given on practical sessions, which includes demonstration of experiments by teachers and hands on experience by students.

- ❖ **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 attendance, assignments, regular checking of practical record-books & journals, conducting quiz / MCQ test, viva, seminars and internal unit 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. Two of the faculty members are Ph.D. Guide also.
- ❖ **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.

First initial draft of Detailed Project Report (DPR) was prepared for RUSA 2.0, Component 9 – Infrastructure Grants to Colleges as per the directions & guidelines received from Knowledge Consortium of Gujarat (KCG), Ahmedabad. College was selected for RUSA 2.0, Component 9 Infrastructure Grants to Colleges by 12th PAB of RUSA, MHRD, New Delhi held on 25th May, 2018. In future college will receive grants under RUSA 2.0, Component 9 Infrastructure Grants to Colleges.
- ❖ **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> . For the admissions, in the subsequent years, i.e., for S.Y. (Semester 3 & 4) T.Y. B.Sc. (Semester 5 & 6) college carry out offline local admission process. Local college level different admission committees are formed for the subsequent years, i.e., for S.Y. & T.Y. B.Sc. 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:

- ❖ **Planning and Development :** Computer & Printers are provided to administrative office and Head of the Departments. Internet Facility under NMEICT is available in Principal Office, Clerical office, Computer Lab and at all the HoDs Chambers. Attendance of all Staff members is governed by Biometric machine. Important notices related to planning and implementations are forwarded to staff members through emails and other available social media platforms. College website also facilitates information of college activities and notices so that students can easily excess them on college website.
- ❖ **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. Information about the available courses, subjects, number of seats available, seat matrix for F.Y., S.Y. & T.Y. B.Sc., admission criteria, fee structure, etc offered by the colleges are published on GUAC web portal. The student admission support is provided by local college level admission committee.
- ❖ **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. College has a separate exam conduct room with necessary facility of fast photo copier machine for the printing of the question papers of internal exam. Students are provided Exam forms, Exam Hall Tickets.

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

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	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
-	-	-	-	-	-

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	Date and Duration (from – to)
FDP : Faculty Development Programme	(01) Dr K. B. Patel	25/06/2018 to 30/06/2018
RC : Online Refresher Course in chemistry for higher education faculty	(01) Dr J. S. Rajora	01/11/2018 to 27/02/2019

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

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
27 Permanent + 3 Fix Pay Contractual + 1 Fix Pay Librarian + 1 Fix Pay Phy. Edu. & Sports	27 Permanent + 3 Fix Pay Contractual + 1 Fix Pay Librarian + 1 Fix Pay Phy. Edu. & Sports	27 Permanent + 4 Fix Pay Contractual (8 Administrative Staff + 3 Permanent Lab Assistant + 4 Fix Pay Contractual Lab Assistant + 16 Peon / Hamal / Gardner / Sweeper / Watchman)	27 Permanent + 4 Fix Pay Contractual (8 Administrative Staff + 3 Permanent Lab Assistant + 4 Fix Pay Contractual Lab Assistant + 16 Peon / Hamal / Gardner / Sweeper / Watchman)

6.3.5 Welfare schemes for

Teaching	
Non teaching	
Students	

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

(with in 100 words each)

Being a Government College, financial audits are as per GoG norms.

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/ Grants received in Rs.	Purpose
-	-	-

6.4.2 Total corpus fund generated

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

NAAC : College has undergone 2nd cycle assessment process by National Assessment & Accreditation Council (NAAC) on 23-25 April, 2017.

Result : CGPA : 2.69,

Grade : B+

Coordinator for NAAC : Dr P. A. Vadher

Validity Period of NAAC : 09/06/2017 to 08/06/2022

AAA : College has undergone Academic and Administrative Assessment (AAA) by Knowledge Consortium of Gujarat (KCG) on 07-08 April, 2017 and achieved “A” grade.

Coordinator for AAA : Mr Vivek Dave

(Validity Period of AAA : 10/04/2017 to 09/04/2019)

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

6.5.3 Development programmes for support staff (at least three)

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

6.5.5

a. Submission of Data for AISHE portal : (Yes /No) : YES

b. Participation in NIRF : (Yes /No) : YES

c. ISO Certification : (Yes /No) : NO

d. NBA or any other quality audit : (Yes /No) : NO

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-----)	Number of participants

Note :

- **IQAC :** The college has established Internal Quality Assurance Cell (IQAC) as per the guidelines of UGC and NAAC.
- **Planning and Execution :** 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.
- **Use of Resource Material :** IQAC encourages faculty members to use textbooks, reference books, and internet facility, e-resources and e-journals available on INFLIBNET N-LIST website for preparing their lectures for effective teaching.
- **Participation in Faculty Development Programmes :** IQAC encourages the faculty members to participate in orientation programmes (OP), refresher courses (RC), faculty development programmes (FDP), short term courses (STC), capacity building programmes, workshops, etc to enhance their knowledge to improve teaching.
- **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.
- **Use of ICT in Teaching - Learning Process :** Use of Digital Podium, Multimedia Projectors for the effective teaching-learning process. Technical assistance is also provided through experts to use such equipment.
- **Participated in NIRF (National Institutional Ranking Framework).**
- **Participated in GSIRF (Gujarat State Institutional Ratings Framework) :** The Executive Committee of the Knowledge Consortium of Gujarat, Department of Education, Government of Gujarat on the recommendation of the duly appointed agency, the Indian Centre for Academic Rankings and Excellence (ICARE) has rated our Institute – Government Science College, Gandhinagar as a 3 Star Institution with CGPA of 2.58 out of 5 in category of colleges on the basis of comprehensive performance metrics as set out in the **Gujarat State Institutional Ratings Framework (GSIRF)** on the 28th February 2019 and valid upto 30th March, 2020.
- **First Draft of DPR prepared & submitted to KCG for RUSA 2.0, Component 9 :** First initial draft of Detailed Project Report (DPR) was prepared for RUSA 2.0, Component 9 – Infrastructure Grants to Colleges as per the directions & guidelines received from Knowledge Consortium of Gujarat (KCG), Ahmedabad. College was selected for RUSA 2.0, Component 9 Infrastructure Grants to Colleges by 12th PAB of RUSA, MHRD, New Delhi held on 25th May, 2018.
- **Entrepreneurship Awareness Camp Programme :** In order to create awareness regarding entrepreneurship, a three days programme on “**Entrepreneurship Awareness Camp**” was organized by the college for the college students during 11/10/2018 to 13/10/2018.
- **Guided and Verify the API files of the Asst. Professors for CAS Promotions :** IQAC has guided Asst. Professors for the preparation of API files, who are entitled to get higher scale under the Career Advancement Scheme (CAS) promotions. On 24th August, 2018 IQAC committee members meeting was held to verify all the submitted API files for the CAS promotions. On 29th August, 2018 all the API files were verified and submitted to the office of the Commissionerate of Higher Education, Gandhinagar for further process.

- **Submission of College Data on NHERC – MIS Data on Portal :** IQAC has prepared data of last SIX years as per the prescribed format and submitted the data online on centralized database portal, namely, National Higher Education Resource Centre's Management Information System (**NHERC – MIS**) Portal.
- **Participation in STEM Seminar :** College faculties and students had participated in Vibrant Gujarat Futuristic Technology Exhibition, Space Exhibition & International STEM Seminar organised by Department of Education & Department of Science & Technology (DST), Government of Gujarat on 17th January, 2019 at Science City, Ahmedabad.

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-to)	Participants	
		Female	Male
Seminar on how to develop self-confidence and get rid of depression, use of CCTV camera for security		110	
Counselling of Students by Jeevan Astha Members	17/01/2019	50	95

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:
Percentage of power requirement of the College met by the renewable energy sources

- Use of Solar Energy : Solar Rooftop Project
- **Use of Renewable Energy : Use of Solar Rooftop :** Government Science College has installed solar panels in good number on the terrace of the college building as well as on hostel building.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	-	-
Provision for lift	No	-
Ramp/ Rails	YES	-
Braille Software/facilities	-	-
Rest Rooms	-	-
Scribes for examination	-	-
Special skill development for differently abled students	-	-
Any other similar facility	-	-

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
-	-	-

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
Book Exhibition on Swami	12/01/2019	300+

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

- **Use of Renewable Solar Energy: Use of Solar Rooftop:** Government Science College has installed solar panels in good number on the terrace of the college building as well as on hostel building.
- **Energy Conservation:** College construction allows for natural ventilation and lighting throughout its campus which helps conserve the energy demand.
- **Create Environmental Awareness :** In order to create **Environmental Awareness** among the students, college organizes various awareness programs like Ozone Day Celebration, Environment Day Celebration, Tree Plantation, Nature Camp, etc... Subject of Biodiversity & Environment Studies is also a part of syllabus for all B.Sc. students.
- **Water harvesting and storage :** Water harvesting is very useful for the science colleges as this facility is used in the practical work by chemistry and botany department where double distilled (Salt free) water is essential. Government Science College has big terrace area is useful to collect rain water in the big tank, kept at ground level. This collected rain-water is then used throughout the year in all the Departments.

7.2 Best Practices

Describe at least two institutional best practices

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

Best Practice : NSS Activities❖ **Title of the Practice : NSS Activities**

Under the NSS Activities following activities were carried out.

❖ **Activities related to Health Awareness**

- International Yoga Day Celebration
- Seminar on Cancer Awareness
- Thalassemia Awareness & Check-up Camp
- Health & Thalassemia Awareness programme
- Seminar on Mental Health & Suicidal Death Prevention
- General Health Check-up & First Aid Training camp
- Health Awareness through Sports

❖ **Blood Donation Camps on various occasions**❖ **Environment Awareness Programmes**

- Save Water Awareness Rally
- Plantation Program on various occasions
- Workshop on Use of Renewable Energy Source to Save Environment
- Forest Orientation Training Programme on Environment Awareness

❖ **Traffic Awareness Survey**❖ **Activities related to New Bank Account Opening & Government Schemes Awareness**❖ **Activities related to Election Awareness**

- Election Enrolment Campaign
- Election Awareness Rally
- Run for Voter's Awareness

❖ **Activities related to Youth Parliament Festival-2019**

- Mock Youth Parliament
- District Level Youth Parliament

❖ **Activities related to Celebration of 150th Mahatma Gandhi Jayanti**

- Mock Youth Parliament
- District Level Youth Parliament

❖ **NSS Residential Camp at Por Village**❖ **Child Marriage Prevention Activity**❖ **Self Défense Training**❖ **Goal :**• **Goals of Activities related to Health Awareness**

- To create health awareness among people.
- To enhance FIT INDIA movement programme.
- To create healthy society

• **Goals of Blood Donation Camps**

- To collect blood units for thalassemia patients.
- To collect blood units for societal need.
- To encourage students for blood donation to sustain need of blood units in hospitals

• **Goals of Environment Awareness Programmes**

- To create awareness through save water.
- To create environment awareness among peoples and students.
- To do plantation programmes to make city green.
- To create awareness for use of renewable energy sources such as solar energy to make environment clean and non-polluted.
- To provide forest training for creation of environment awareness

• **Goals of Traffic Awareness Survey**

- To perform traffic awareness survey among selected area.
- To submit report to traffic control department.

- **Goals of Activities related to New Bank Account Opening & Government Schemes Awareness**
 - To open new bank accounts.
 - To avail facility of PMJJBY & PMSBY schemes.
- **Goals of Activities related to Youth Parliament Festival-2019**
 - To make students understand the parliamentary procedure.
 - To develop in students an insight into the working of parliament
 - To make students consider public issues and form their opinion on them.
 - To train students in the technique of group discussion
 - To develop in students an ability to arrive at a decision after group discussion.
 - To develop them in them respect and tolerance for the views of others.
 - To develop in them an understanding that respect for rules is essential for conducting any discussion systematically and effectively.
 - To train students in group behaviour.
 - To make students aware of various problems facing our society and the country.
 - To develop in students the quality of leadership.
 - To make students understand the common man's point of view and express it in an articulated manner.
- **Goals of Activities related to Celebration of 150th Mahatma Gandhi Jayanti**
 - To incorporate Gandhian thought to new era.
 - To do cleanliness activity.
 - To celebrate mahatma's 150th born anniversary through different activities.
- **Goals of NSS Residential Camp**
 - To understand the community in which they work
 - To understand themselves in relation to their community
 - To identify the needs and problems of the community and involve them in problem-solving
 - To develop among themselves a sense of social and civic responsibility
 - To utilise their knowledge in finding practical solutions to individual and community problems
 - To develop competence required for group-living and sharing of responsibilities
 - To gain skills in mobilising community participation
 - To acquire leadership qualities and democratic attitudes
 - To develop capacity to meet emergencies and natural disasters and
 - To practise national integration and social harmony

❖ **The Context :**

- The National Service Scheme (NSS) is a Central Sector Scheme of Government of India, Ministry of Youth Affairs & Sports. It provides opportunity to the Graduate students at college to take part in various government led community service activities & programmes.
- As per the fundamental principles of National Service Scheme, volunteers are expected to remain in constant touch with the community. As the NSS volunteers have to live with the members of the community during the 7 days Special Camping Programme and learn from their experience during his/her tenure in NSS. It helps to identify the needs and problems of the community and involve them in problem-solving. So, NSS unit of the college has adopted Por village of Gandhinagar district for implementation of NSS programmes.
- To develop among themselves a sense of social and civic responsibility.
- The sole aim of the NSS is to provide hands on experience to young students in delivering various community service.

❖ **The Practice :**

- Government Science College, Gandhinagar is also running NSS unit of college boys & girls.
- As per the guidelines of Ministry of Youth Affairs & Sports for the National Service Scheme (NSS), NSS Cell, Higher Education Department, Government of Gujarat and Gujarat University NSS Unit college is regularly conducting various activities to fulfil the goals & objectives of the NSS.
- Under the guidance of Principal, NSS programme officer Dr U. P. Tarpada is very enthusiastic and always encourage NSS volunteers to participate in all the NSS activities.
- Every year, NSS Unit of the college conducts various NSS activities as mentioned above.
- It's a matter of pride that our college's NSS programme officer Dr U. P. Tarpada have received National Service Scheme (NSS) State Level Award 2017-18, namely, "**Best Programme Officer Award**" from Government of Gujarat, State NSS Cell, Higher Education Department. He has received this Award on 24/09/2018.

❖ **Evidence of Success :**

- Photographs of various NSS activities conducted by Government Science College, Gandhinagar is also available on College Website.
- Certificates of the various NSS activities conducted by Government Science College, Gandhinagar is also available on College Website.
- NSS Yearly Reports prepared by NSS Unit is also available on college website.
- Our college's NSS programme officer Dr U. P. Tarpada's Award titled "**Best Programme Officer Award**" is the real evidence of success.
- Link :
[https://www.gscgandhinagar.in/assets/admin/images/Best%20Practices NSS%20Activities 2018-19_GSCGNR.pdf](https://www.gscgandhinagar.in/assets/admin/images/Best%20Practices%20NSS%20Activities%202018-19_GSCGNR.pdf)

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust

- Government Science College, Gandhinagar was established in the year 1970.
- Our college is directly working under the umbrella of Commissionerate of Higher Education, Department of Education, Government of Gujarat, Gandhinagar and is affiliated with Gujarat University, Ahmedabad.
- Government Science College, Gandhinagar is recognized by the UGC U/s 2(f) and 12(B).
- **NAAC** : College has undergone 2nd cycle assessment process by National Assessment & Accreditation Council (NAAC) during 23-25 April, 2017 and received 2.69 CGPA and B+ grade. Validity Period of NAAC : 09/06/2017 to 08/06/2022
- **AAA** : College has undergone Academic and Administrative Assessment (AAA) by Knowledge Consortium of Gujarat (KCG) on 07-08 April, 2017 and achieved “A” grade. Validity Period of AAA : 10/04/2017 to 09/04/2019.
- **Participated in GSIRF (Gujarat State Institutional Ratings Framework)** : The Executive Committee of the Knowledge Consortium of Gujarat, Department of Education, Government of Gujarat on the recommendation of the duly appointed agency, the Indian Centre for Academic Rankings and Excellence (ICARE) has rated our Institute – Government Science College, Gandhinagar as a 3 Star Institution with CGPA of 2.58 out of 5 in category of colleges on the basis of comprehensive performance metrics as set out in the **Gujarat State Institutional Ratings Framework (GSIRF)** on the 28th February 2019 and valid upto 30th March, 2020.
- Our institutes offer UG Programme of B.Sc. in all the basic science subjects like Chemistry, Physics, Mathematics, Botany, Zoology, Microbiology. Students are expected to have a strong understanding of the course components by which they can pursue their further studies in future.
- The motto of our college is “*Gyanad Vindam Gauravam*”.
- As per the motto, vision & mission of the college, college focuses on all round development of students through various activities along with science education and accomplish the motto “*Gyanad Vindam Gauravam*” in real sense.
- Most of the faculties are well qualified and dedicated to their teaching-learning activities and try to fulfil graduate attributes of the college.
- Conceptual and up-to-date knowledge of the subject is provided by the theory lectures, practical sessions and co-curricular activities. Scientific attitude and temperament is developed by providing practical sessions and hands on experience in laboratory work.
- Being in Capital of Gujarat, our college has students not only from the surrounding villages of Gandhinagar but also from all over Gujarat.

8. Future Plans of action for next academic year (500 words)

To carry out the work as per the suggestions on NAAC Cycle 2 Report and suggestion in order to strengthen the college.

Name DA C.K. CHAUHANName DA K.G. CHHAYA
(Upto 08/03/2019)*C.K. Chauhan*Co-ordinator
IQAC

Govt. Science College

Signature of the Co-ordinator, IQAC

K.G. Chhaya

Principal

Government Science College,
Sector-15, Gandhinagar.

Signature of the Chairperson, IQAC

*M.G. Bhatt*

(DA M.G. Bhatt)

Principal

Government Science College
Sector-15, Gandhinagar.

(09/03/2019 onwards)