

Annual Quality Assurance Report (AQAR) of the IQAC for the Academic Year 2016-17

(For Affiliated College)

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

By



Government Science College, Gandhinagar

**Government Science College,
Sector – 15, G-Road, Near Mahatma Mandir,
Gandhinagar – 382016
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 P. A. Vadher (Upto 01/09/2016)
Dr K. G. Chhaya (From 02/09/2016 Onwards)
 - Designation: Principal
 - Does the institution function from own campus: YES
 - Phone no./Alternate phone no.: 079-23222352
 - Mobile no.: +91-9909012291
 - Registered e-mail: gscgnr@gmail.com
 - Alternate e-mail : chhayakg@gmail.com
 - 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 C. Ambasana (Upto 30/12/2016),
Dr Chetan K. Chauhan (From 31/12/2016)
- Phone no. : 079-23222352
- Mobile: +91-9825648931 (CCA), +91-9825765981 (CKC)
- IQAC e-mail address: ccambasana_science@rediffmail.com (CCA)
- Alternate Email address: ckc33@rediffmail.com (CKC)

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

Web-link of the AQAR: (Previous Academic Year):

https://www.gscgandhinagar.in/assets/admin/images/AQAR_2015-16.pdf

4. Whether Academic Calendar prepared during the year? YES

if yes, whether it is uploaded in the Institutional website: YES

Weblink:

<https://www.gscgandhinagar.in/assets/admin/images/Government%20Science%20College.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				from: to:

Note :

- (1) **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
- (2) **2nd Cycle NAAC Preparation** : Self Study Report (SSR) for the 2nd cycle NAAC is prepared and submitted to NAAC in March 2017
- (3) **2nd Cycle NAAC** : College has undergone 2nd cycle assessment process by National Assessment & Accreditation Council (NAAC) on 23-25 April, 2017. Result is awaited.
Coordinator for NAAC : Dr P. A. Vadher

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
Academic and Administrative Assessment (AAA) by Knowledge Consortium of Gujarat (KCG)	07-08 April, 2017	
Self Study Report (SSR) Preparation for the 2 nd cycle NAAC	January – February, 2017	
2 nd cycle assessment process by National Assessment & Accreditation Council (NAAC)	23-25 April, 2017	

Note : *Some Quality Assurance initiatives of the institution are*

- **IQAC** : The college has established Internal Quality Assurance Cell (IQAC) as per the guidelines of UGC and NAAC.

- **AAA :** College has undergone Academic and Administrative Assessment (AAA) by Knowledge Consortium of Gujarat (KCG) on 07-08 April, 2017 and achieved “A” grade.
- **Follow up of AAA :** Follow up actions taken on the basis of the inputs / suggestions provided by the Peer Team of AAA.
- **Green Audit :** Green Audit of the College is carried out through Gujarat Environment Management Institute (GEMI). Coordinator for Green Audit : Dr U P Tarpada
- **Feedback from Students on Teachers :** IQAC has collected and analysed the feedback on teachers from students and the outcomes are shared to the respective HoD for further improvement in teaching-learning of the teachers.
- **Feedback from Students on Curriculum :** IQAC has collected and analysed the feedback on curriculum from students and the outcomes are shared to the respective board of studies of Gujarat University by our teaching staff members who are members of board of study in their specialized subject.
- **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.
- **Infrastructural & ICT Facilities :** IQAC takes care of enhancing the infrastructural facilities, ICT facilities, equipments for laboratories, books for libraries so that faculty members can improve their teaching-learning process.
- **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.
- **SANDHAN- All Gujarat Integrated Classroom :** It is an initiative by Office of Commissioner Higher Education (OCHE) and Knowledge Consortium of Gujarat (KCG), Department of Education - Government of Gujarat. College has established two SANDHAN classrooms. To provide quality education in this era of technology the Government of Gujarat has started the initiative SANDHAN- All Gujarat Integrated Classroom which facilitates virtual teaching and discussion (Interactive learning). This initiative enables students to have access to lectures delivered by eminent academicians across state, nation and from abroad by leveraging technology optimally. Our institute facilitates students to access this facility in the BISAG/SANDHAN hall.

- **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.

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

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

*upload latest notification of formation of IQAC : 31/12/2016

10. No. of IQAC meetings held during the year: 3

Regular meetings conducted in the chairmanship of Principal for SSR preparation, AAA & NAAC preparation

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website.....

No (Please upload, minutes of meetings and action taken report)

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)

- * Academic and Administrative Assessment (AAA) : 07-08 April, 2017
- * Preparation of Self Study Report (SSR) & Supplementary SSR for the 2nd cycle NAAC
- * 2nd Cycle NAAC : 23-25 April, 2017
- * Feedback of Students on Teachers Analysis of Feedback
- * Verification of CAS cases

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 2016-17.	As per the guidance of principal, the IQAC cell of the college has prepared academic calendar for the year 2016-17 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 do needful for vacant posts.	Vacant posts were communicated to the office of Commissionerate of Higher Education. Newly recruited faculty members (2 in Mathematics Department) were posted at our institute by CHE.
4	To go for Academic & Administrative Assessment (AAA) in college by KCG	College has undergone Academic and Administrative Assessment (AAA) by Knowledge Consortium of Gujarat (KCG) on 07-08 April, 2017 and achieved "A" grade
5	To go for Green Audit.	College has completed the process of green audit by Gujarat Environment management Institute (GEMI) and certified in accordance with the GEMI's scheme.
6	To Prepare SSR for 2 nd Cycle NAAC	Self-Study Report (SSR) for the 2 nd cycle NAAC is prepared and submitted to NAAC in March 2017. As per the recommendations of AAA peer team, a supplementary Self-Study Report (SSR) was prepared and submitted to NAAC.
7	To go for 2 nd cycle assessment and accreditation by NAAC	College has undergone 2 nd cycle assessment & accreditation process by the National Assessment & Accreditation Council (NAAC) on 23-25 April, 2017.
8	To establish CCTV network in college campus and Entire college campus should be under CCTV surveillance.	CCTV network is purchased and established from UGC GDA XII Plan Grant under the subhead of Capital Assets 35. Entire College Campus including Classrooms, lobbies Grounds, Parking area under the CCTV surveillance.

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	Plan of Action	Achievements/Outcomes
9	To do needful to enhance ICT based teaching & learning.	Digital Podium (Electronic Lectern) with latest configuration is purchased from UGC GDA XII Plan Grant under the subhead of Capital Assets 35 to enhance ICT based teaching & learning experiences.
10	To improve Computer Facilities in college	Four Desktop Computers were purchased to enhance the computer facilities in the college. (Two Desktop Computers from IQAC XII Plan Grant, One from UGC GDA XII Plan Grant & One from RUSA 1.0 Component 9 Grant)
11	To improve printing facilities in college	One Colour Printer and four Black & White Printer purchased from IQAC XII Plan Grant for better academic & administrative communication.
12	To establish Interdepartmental Connectivity.	College has purchased and installed Intercom EPABX system for interdepartmental connectivity in the college.
13	To do needful for e-attendance system for students attendance.	<p>06 Bio-matrix (thumb impression recognition) machines have been purchased from the RUSA 1.0 Component 9 grants and will be in operation from next academic year.</p> <p>In addition to Bio-matrix, for lecture wise attendance of students “e-Attendance” app is purchased and installed in faculty members’ mobile.</p>
14	To strengthen the Library by purchasing books, journals & to make provisions for e-resources.	<p>For the ease of book keeping in library, Barcode Printer & Scanner purchased form IQAC XII Plan Grant. It is useful for print barcodes & spine labels of books in library. It is useful to keep record of book issue & return and book stock in library.</p> <p>123 Books were purchased from RUSA 1.0 Component 9 Equity Grant.</p> <p>College is registered for N-LIST to use the facility of INFLIBNET e-resources.</p> <p>Moreover, two Research Journals namely, Indian Journal of Chemistry, Section B and Indian Journal of Pure and Applied Physics were subscribed for college library.</p> <p>Various services were started by library like...</p> <p>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</p>

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	Plan of Action	Achievements/Outcomes
15	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.
16	To organise & conduct Special Classes for Career Guidance & Preparation of Competitive Exams.	From this academic year, college has started special classes for the students to provide career guidance for the preparation of competitive examinations and encourage them to appear in competitive exams. Nearly 225 students are enrolled for these classes. Free Subscription of Gujarat Rojgar Samachar (State level employment newspaper) are provided to the students.
17	To organise State level seminar in the college.	College has organized GUJCOST sponsored State Level Seminar on “Crossing Edges of Research in Sciences” on 11/03/2017.
18	To organise and conduct Placement Fair in the college.	College has conducted a Job fair. Final Semester Students from Physics & Maths discipline were enrolled and encouraged to participate in the campus interview of INFOSYS held at Gujarat University. Necessary guidance and material was provided to the students for the preparation
19	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 on 10/03/2017. Winners of all the sports and Cultural activities are felicitated in Annual Day Function.
20	To plan, organize and conduct Extension activities under NSS	NSS coordinator Dr U. P. Tarpada has nicely conducted various NSS activities in the college
21	To establish Digital English Language Lab (DELL).	Digital English Language Lab (DELL) was established in the college.
22	To start PG courses.	Proposal has been sent to Gujarat University to start PG course in Chemistry and Mathematics department from June-2017.
23	To take feedback of stake holders	Feedbacks on Teachers & Curriculum were taken

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		from students.
24	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: YES

AAA Peer Team visited IQAC on Date : 07 – 08 /04/2017

NAAC Peer Team visited IQAC on Date : 24/04/2017

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

Year: Each Year

Date of Submission: 30/09/2016

17. Does the Institution have Management Information System?

Yes - 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
NA	NA	NA	NA	NA

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.	√	NA		June 2011	NA
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
Yes	Yes	No	No	Yes

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

- **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 as shown below. The questionnaire 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 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	Number of seats available	Number of applications received	Students Enrolled
B.Sc.	490 Seats (Online) + 30 (Offline)	Online Centralized Admission by Gujarat University Admission Committee (GUAC)	550 (Being a Government College, as per the instructions of Gujarat University, additional Students were admitted against the intake capacity of the college.)

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
2016-17	1536 (Total students of First, Second & Third Year)	NIL	36 (Permanent) + 8 (Contractual) = 44	NIL	NA

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
44	14	YES	2	0	YES

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

YES.

➤ Academic Guidance & Support :

- Academic counseling 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.
- The institute provides guidance and material to those students appearing in National Graduate

Physics Examinations conducted by Indian Association of Physics Teachers.

- Students are encouraged to participate in the National Essay Competition organized by Department of Atomic Energy.
- 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.
- **Special Classes for Career Guidance & Preparation of Competitive Exams :** From the academic year 2016-17, college has started special morning two hours classes for the students to provide guidance for the preparation of competitive examinations and encourage them to appear in competitive exams. Nearly 225 students are enrolled for these classes. Mr G. R. Patel has nicely organised & conducted these classes.
- **Participation in Placement Drive of INFOSYS :** Final Semester Students from Physics & Maths discipline having good academic records were enrolled and encouraged to participate in the campus interview of INFOSYS held at Gujarat University. Necessary guidance and material was provided to the students for the preparation. 22 students appeared in online test conducted by INFOSYS at Gujarat University on 30/1/2017.
- List of successful students of final semester was provided to HR Titan Solutions, Valem Polytechnic, Indian Laminate Manufacturer's Association and Reliance Industries Limited-Jamnagar regarding recruitment / placement when they approached our institute.
- **General Knowledge Test :** This cell conducts the general knowledge tests of the students and guides students accordingly based on their performances.
- **Free Subscription of Gujarat Rojgar Samachar:** Based on results of general knowledge tests conducted in 2016, one year free subscriptions of *Gujarat Rojgar Samachar* (State level employment newspaper) are provided to the 128 successful students.
- **Career Guidance to Female Students :** Career guidance was given to 46 female students by DSP office, Police Training center, Gandhinagar.

➤ **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
1536	36 (Permanent) + 8 (Contractual) = 44	1 : 34.9

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	36 (Permanent) + 10 (Contract)	NIL	2 (Permanent) + 3 (Contract)	29

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)

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
2016	Dr R. K. Parwani	Assistant Professor	Travel Grant from UGC

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
B.Sc.	NA	Semester 6	30/04/2017	19/06/2017

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 :
 - Attendance : 5 Marks
 - Assignments : 5 Marks
 - Quiz/Viva/Seminar : 5 Marks
 - 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

- 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)

- 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.	672	312	46.43%
		(If we count Pass but Withheld Results due to previous semester ATKT result awaiting)	490	72.92%

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)

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 as shown below. The questionnaire 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.

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 (<i>other than compulsory by the College</i>)	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)
-	-	-

- 9 Faculty members have participated a Seminar on Intellectual Property Rights (IPR) organised by Science City, Ahmedabad on 21/02/2017

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

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Incubation Centre	Name		Sponsored by			
-	-		-			
Name of the Start-up	Nature of Start-up		Date of commencement			
-	-		-			
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 (<i>applicable for PG College, Research Center</i>)						
Name of the Department		No. of Ph. Ds Awarded				
Microbiology (Dr J. T. Thumar)		01				
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	1	1	4	-		
Chemistry	0	0	24	-		
Maths	0	0	0	-		
Biology	0	0	3	-		
Microbiology	0	0	1	-		
English	0	0	0	-		
3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year						
Department	Publication			Total Publication		
	Books	Chapters / Articles in Edited Volumes /Books/ Magazine	National/International Conference Proceedings			
Physics	0	1 (Dr C. K. Chauhan)	0	0		
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	
List of the research papers are uploaded on the college website. Link of the same is as under :						
http://www.library.gscgandhinagar.in/assets/admin/images/details%20of%20Research%20papers.pdf						
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

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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		03		17	13	01
Presented papers		03		09	08	00
Resource Persons		00		01	01	00
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
NSS Orientation Programme (13/08/2016)		NSS		NSS Coordinator		130
NCC		NCC		PTI		
NSS Camp		NSS		1 + 12		
Tree Plantation (13/08/2016)		NSS & Botany Department		1 + 15		NSS Students & Botany Students
Yoga Training (15/06/2016 to 19/06/2016) & International Yoga Day (21/06/2016)		NSS & Art of Living		Teaching & Non Teaching Staff		55
Run For Unity		NSS & NCC		All Staff		100
Distribution of Educational Kit to Primary Students from Canteen Day Celebration Fund (15/07/2016)		NSS & Team		NSS Programme Officer + 5 Staff Members including Principal Madam		All Students Participated. From the Collection of the Fund Rs. 30,000/- through Canteen Day activity, study material kits including Compass Box, Pen, Pencil, Rubber, Colour, Note Book, Full scape books were purchased and donated such Kits to 420 primary students of Government Primary Schools on 15/07/2016
Nature Camp		Biology Dept				75
Lecture on Malnutrition		CWDC		CWDC		All Girls Students
Mahila Suraksha Divas		CWDC		CWDC		All Girls Students
World Ozone Day celebration (16/09/2016)		NSS		All Staff Members		200
Blood Donation & Thalassemia Check-Up Camp (27/09/2016)		NSS Unit + Civil Hospital, A'bad + Red cross Society, A'bad		NSS Coordinator + All Staff members		500 Students participated Thalassemia Check-Up of 304 First Year Students 43 Bottles Blood Collected
Collection of Fund on National Flag Day		NCC		PTI		NCC Students
Youth Management Seminar on Swami		NSS		1		NSS Students

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Vivekanand Jayanti			
Youth Convention (22/10/2016)	NSS & Nehru Yuva Kendra	All Staff	All Students
Wall Painting on International Forest Day	NSS, Forest Dept., NID	10	NID Students
7 Days NSS Camp at “Por” Village on theme “Awareness on Cashless Digital Payment”	NSS	NSS Programme Officer + Staff Members	47 NSS 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
-	-	-	-

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	NSS	International Yoga Day Celebration (One week Yoga Training : 15/6/16 to 21/06/16)	All Staff Members	-
Social Responsibility	College	Distribution of Educational Kit to Primary Stuedents from Canteen Day Fund (15/07/2016)	6	NSS students
NSS	NSS	Orientation Programme (13/08/2016)	All Staff Members	All First Year Students
NSS	NSS & Biology Department	Tree Plantation (13/08/2016)	NSS Coordinator + 6	NSS Students : 100
NSS	NSS	Elocution, Essay & Drawing Competition on Cleanliness Awareness (16/08/2016)	6	39 students participated in the competitions.
NSS	NSS & GEER Foundation	World Ozone Day celebration (16/09/2016)	All Staff Members	200

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NSS	NSS Unit + Civil Hospital + Red cross Society, A'bad	Blood Donation & Thalassemia Check-Up Camp (27/09/2016)	NSS Coordinator + All Staff members	500 Students participated Thalassemia Check-Up of 304 First Year Students 43 Bottles Blood Collected
NSS	NSS & Nehru Yuva Kendra	Youth Convention in the inspirational presence of Vijay Goel, Central Minister of Youth Affairs & Sports (22/10/2016)	NSS Coordinator + All Staff members	All students of College
NSS	NSS & CSC e-governance Service India Limited	Digital Cashless Payment Workshop (22/12/2016)	All Staff Members	150
NSS	NSS & Nehru Yuva Kendra	District Level Elocution Competition (22/12/2016)	All Staff Members	Participants : 20 Audience : 100 students
Educational Programme	NSS	Teaching to Poor Primary Students of Slum Area	1	College Students 30
NCC	NCC	Collecting Fund for Soldiers on National Flag Day	1	NCC Students : 31
NCC	NCC	Blood Donation Camp at Rajbhavan	1	NCC Students : 31
NCC	NCC & Army, DAIICT	Know Your Army	1	NCC Students : 31
NCC	NCC & Karnavati Club	Run For Charity	1	NCC Students : 31
Educational Programme	NSS, Library & Shri Ramkrishna Mission	Youth Management Seminar on Swami Vivekanand Jayanti 12/01/17	6 (Including Librarian)	150 Students
Nature Awareness By Forest Department	Biology Department & Forest Department	Nature Camp at Uranya Udyan (For Nature & Environment Awareness)	6	30
Educational Programme by Serenity Trust	Biology Department & Serenity Trust	Workshop at Serenity Library & Botanical Garden (12/02/2017)	3	12
	College CWDC	Guest Lecture on Malnutrition (16/07/2016)	All Female Staff	All the Girls Students of College
Women Empowerment	College CWDC	Self-defence Training for Girls (2/8/16 to 11/8/16)	1	30 Girls Students

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Women Empowerment	College CWDC	Guest Lecture on "Laws against Women Harassment" 17/02/2017	All Female Staff	All the Girls Students of College
Celebration of <i>Mahila Suraksha Divas</i>	College CWDC	Guest Lectures on Self-defence	All Female Staff	All the Girls Students of College

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
-	-	-	-

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
XII Plan UGC GDA Grant for Non Recurring Capital Assets : Rs. 5,12,000/- (80% of 6,40,000/-) Received in FY 2014-15	Rs. 4,55,711/- is utilized for infrastructure development in FY 2016-17
XII Plan UGC IQAC Grant : Rs. 1,30,000/-	Rs. 1,17,384/-
RUSA 1.0 Component 9 : Rs. 1,67,245	Rs. 1,67,245/-

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	-
Classrooms with Wi-Fi/ LAN	Wi-Fi	Wi-Fi

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Seminar halls with ICT facilities	2	Digital Podium
Video Centre	2	1
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	CCTV Digital Podium	CCTV Digital Podium
Value of the equipment purchased during the year (in Rs.)		Rs. 5,73,095/-
Others	-	DELL
	Old Generation	Desktop Computers-4
	-	Colour Printer 1
	-	BW Laser Printer - 5
	-	Biometrics - 6
		Books for Library
	-	Barcode Scanner & Printer
	-	EPABX Intercom System

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 & Gen. Books	9418		225	64933	9643	
Reference Books	752		1	2231	753	
e-Books	N-LIST Books 31 Lakhs +	Subscribed By KCG	N-LIST Books 31 Lakhs +	Subscribed By KCG	N-LIST Books 31 Lakhs +	Subscribed By KCG
Journals	Nil	0	2	7800	2	7800
e-Journals	N-LIST 6000 +	Subscribed By KCG	N-LIST 6000 +	Subscribed By KCG	N-LIST 6000 +	Subscribed By KCG
Digital Database	Nil	0	Nil	0	Nil	0
CD & Video	Nil	0	Nil	0	Nil	0
Library automation	Not Done	0	Done	102020	Yes	102020
Weeding (Hard & Soft)	Nil	0	Nil		Nil	
Others (specify)	-	-	-	-	-	-

For more information visit library website : <http://library.gscgandhinagar.in/>

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)	Others
Existing	21	10	YES	YES	0	2	9	4	Old Config.
Added	29	25 (DELL)	YES	YES	0	2	2	-	
Total	50	35	YES	YES	0	4	11	4	

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
Nil	NA

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 delivered lectures on **SANDHAN- All Gujarat Integrated Classroom**. It is an initiative by Office of Commissioner Higher Education (OCHE) and Knowledge Consortium of Gujarat (KCG), Department of Education -Government of Gujarat. which facilitates virtual teaching and discussion (Interactive learning). This initiative enables students to have access to lectures delivered by eminent academicians across state, nation and from abroad by leveraging technology optimally. Some of the faculty members have served as course co-ordinator of SANDHAN initiative.
- 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	SEBC Students Scholarship	225	7,19,533/-
	SC Students Scholarship	82	2,89,540/-
	ST Students Scholarship	45	2,10,500/-
	Total	352	12,19,573/-
b) National		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

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Mentoring etc.,			
Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Special Classes for Career Guidance & Preparation of Competitive Exams	22/01/2017 to 25/02/2017	225	College UDISHA Cell : Mr G. R. Patel (KCG Grant)
Free Subscription of Gujarat Rojgar Samachar (For Successful Candidates of GK Test)	2016-17 (One Year Subscription)	128	College, UDISHA, (RUSA 1.0 Component 9 Grant)
DELL LAB (SCOPE)	2016-17		College English Teacher
Remedial coaching	Feb-March 2017	Needy Students	College, Each Department (RUSA 1.0 Component 9 Grant)

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
2016-17	KCG Grant + Udisha	225	225	Data Not Available	Data Not Available

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

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
Placement Fair Organised on 23/03/2017 in College 14 Companies Remained Present	377	77 Short listed for next stage of Interview	INFOSYS (@ Gujarat University on 30/01/2017)	22	3

- **UDISHA Cell:** Universal Development of Integrated Employability Skills through higher education agencies – a career counselling and placement cell has been established in the college
- Participation in Placement Drive of INFOSYS: Final Semester Students from Physics & Mathematics discipline having good academic records were enrolled and encouraged to participate in the campus interview of INFOSYS held at Gujarat University. Necessary guidance and material was provided to the students for the preparation. 22 students appeared in online test conducted by INFOSYS at Gujarat University on 30/1/2017.
- There is nothing like regular placement but as and when the companies contact the college about the placement of the students the college provides them the list of successful graduate candidates and its contact details for placement.
- Placement unit under the name of UDISHA club has been established by our institute. They provide information to the students regarding recruitment by placing them on the notice board. Whenever company approaches us for job vacancies our college provides the name of the successful candidate's name and email address and their contact details to the company.

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 Vidyalyay – 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		

There is no such mechanism to have data of such kind in college.

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	6 Teams
Interclass Cricket Tournaments	College : Interclass	12 Teams

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Interclass Kabaddi Tournaments	College : Interclass	6 Teams				
Interclass Badminton Tournaments	College : Interclass	30 Players				
Interclass Chess Tournaments	College : Interclass	18 Players				
Interclass Table Tennis Tournaments	College : Interclass	6 Players				
Participation in Sports activities / competitions organised at the University level during the year						
Volley Ball Tournaments (Boys)	University Level	12 Players				
Volley Ball Tournaments (Girls)	University Level	2 Players				
Cricket Tournaments (Boys)	University Level	16 Players				
Swimming Tournament (Boys)	University Level	1 Players				
Badminton Tournaments (Boys)	University Level	3 Players				
Badminton Tournaments (Girls)	University Level	3 Players				
Chess Tournaments	University Level	2 Players				
Table Tennis Tournaments	University Level	3 Players				
Handball Tournaments (Girls)	University Level	2 Players				
Athletics Tournaments	University Level	2 Players				
Cross Country	University Level	5 Players				
Adventure(Trekking)	Gujarat University	4 Students				
Chess	State Level	3 Players				
Cricket (Boys)	State Level	1 Player				
Participation in Sports activities/competitions organised at National Inter University level during the year						
Handball Tournaments (Girls)	Inter University : National Level	1 Player				
Cricket Tournaments	Inter University : National Level	1 Player				
Cricket Tournaments	National Level	1 Player				
Tae Kwon Do	Inter University : National Level	1 Player				
Swimming Tournament	Inter College	1 Player				
Swimming Tournament	District Level	1 Player				
Swimming Tournament	State 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
2016-17	-	-	-	-	-	-
5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)						
<ul style="list-style-type: none">• Student council is framed by the rules and regulation of Gujarat University. A student representative is selected from every 50 students 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.						

5.3 Alumni Engagement

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

- The college has an alumni association. But not registered.
- Alumni association meets regularly with the present students and they share their knowledge and help them for the job placement.
- The college has an Alumni committee which met first on 2013. The association has members from academic and non-academic field. It provides a forum for the association; faculty and students to share their views and contribute for the overall development of the institute.
- Every year the alumni committee meets and their suggestions are welcomed.
- Students are enrolled and Rs 100 are 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 :

- Alumni Meeting is organised on 22/01/2017

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. 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. NAAC (National Assessment and Accreditation Council) Committee
17. AAA (Academic & Administrative Audit) Committee
18. RUSA (*Rashtriya Uchcha Shiksha Abhiyan*)
19. Purchase Committee
20. Anti-ragging Cell
21. Discipline Committee
22. SC ST Cell
23. SRC (Student Representative Council)
24. Prize Distribution Committee
25. RTI Committee
26. ICT Committee
27. IT Committee

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

Yes/No/Partial: NO

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.

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

<p>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.</p>
<p>❖ 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.</p>
<p>❖ 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.</p>
<p>❖ 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.</p>
<p>❖ 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.</p>
<p>❖ 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 2016-17. The entire admission process is carried out by Gujarat University through website http://www.gujaratuniversity.ac.in/web/custom/admissions. 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.</p>
<p>6.2.2 : Implementation of e-governance in areas of operations:</p>
<p>❖ Planning and Development :</p>
<p>❖ 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.</p>
<p>❖ 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</p>

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
-	-	-	-	-

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)
OP : Orientation Programme	(01) Dr B. M. Patel	30/05/2016 to 26/06/2016
OP : Orientation Programme on Indian Education System (for all disciplines)	(02) Dr J. T. Thumar Dr R. S. Chudasama	06/06/2016 to 03/07/2016
OP : Orientation Programme	(01) Dr A. A. Baakza	07/11/2016 to 04/12/2016
RC : Refresher Course in Chemistry	(01) Dr J. S. Rajora	11/07/2016 to 31/07/2016
RC : Refresher Course in Nanotechnology	(05) Dr C. K. Chauhan Dr U. P. Tarpada Dr D. S. Gandhi Dr B. M. Patel Mrs Y. M. Parmar	07/11/2016 to 27/11/2016
STC : Short Term Course : HTMSAMST	(01)	14/07/2016 to

AQAR : 2016-17

	Mr G. R. Patel	24/07/2016
STC : Short Term Course for E-content Development	(01) Dr C. C. Ambasana	12/09/2016 to 18/09/2016
FIP : Faculty Improvement Programme on New Directives of API	(01) Dr C. K. Chauhan	12/09/2016 to 18/09/2016
FDP : Faculty Development Programme	(02) Dr K. B. Patel Dr K. S. Nimavat	19/09/2016 to 24/09/2016
STC : Short Term Course on Remote sensing & GIS technology	(01) Dr M. M. Patel	19/10/2016 to 25/10/2016
Research methodology workshop on Mathematical methods in chemistry.& physics	(01) Dr K. B. Patel	16/01/2017 to 22/01/2017
STC : Short Term Course on Latest trends in library & information services	(01 : Librarian) J. D. Pandya	26/09/2016 to 01/10/2016

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

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
36	36	28	28 Full Time 5 Contractual

6.3.5 Welfare schemes for

Teaching	-
Non teaching	-
Students	Scholarships

6.4 Financial Management and Resource Mobilization
6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each)

Since we are the government college, entire grants of salary and other expenditures are given by government. This expenses are subject to audit from the education department, local audit department (State government) and Accountant General office (Central Government)

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.	Purp ose
-	-	-

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	Aut hori ty
Academic	YES	NAAC	YES	KC

AQAR : 2016-17

				G
Administrative	YES	NAAC	YES	KC G
NAAC : College has undergone 2 nd cycle assessment process by National Assessment & Accreditation Council (NAAC) on 23-25 April, 2017. Result is awaited. Coordinator for NAAC : Dr P. A. Vadher 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				
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) NO c. ISO Certification : (Yes /No) NO d. NBA or any other quality audit : (Yes /No) YES - AAA				
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
2016-17	SSR Preparation meetings	Criteria wise presentations	Dec 2016 to March 2016	All Teaching Staff
2016-17	AAA Preparation meetings	Department wise presentations	First week of April 2017	All Teaching Staff
2016-17	NAAC Preparation meetings	Department wise presentations	Dec. 2016 to April 2017	All Teaching Staff

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
-	-	-	-

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 stalled 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
-	-	-

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

- GEMI Green Audit
- Use of Solar Energy : Solar Rooftop Project
- Tree Plantation
- Wall Painting on International Forest Day

- Eco-club activities

7.2 Best Practices

1. Title of the Practice

Canteen Day Activity

2. Goal

To inculcate the social responsibility among the students and there by extending the help to needy children.

3. The Context

Describe any particular contextual features or challenging issues that have had to be addressed in designing and implementing the Practice in about 150 words.

4. The Practice

Describe the Practice and its implementation in about 400 words. Include anything about this practice that may be unique in the Indian higher education. Please also identify constraints or limitations, if any.

Canteen day celebration is organized by college students every year in the month of January. The students in co-ordination with Student Representative Committee (SRC) decides the number of stalls to be set up and the eatables item to be placed in the stalls. The stalls and items are allotted to the students well in advance. The students as per allotted items bring raw food items prepared from home and further they cook fully in the stalls. Food coupons are sold by students. Students and college staff buy the food coupons from the stalls and then eat the items of their choice. The rates of the items vary between Rs.10 to Rs. 30 per item. The amount collected at the end of the celebration is utilized for donating the kits consisting of note book, pencil box, eraser, compass box, pens to the Municipal Primary School students. In this way the social responsibility are inculcated amongst the students of the institution. Since, year 2012-13 this activity is practiced at our institute.

The constraints – students participate with great enthusiasm, but as most of the students stay in Hostel and are from rural areas and marginalised families the income generated is limited.

5. Evidence of Success

Every year more and more students participate in this celebration. The demand for canteen day celebration comes from the students side every year. This shows the willingness and enthusiasm of students and dedication for social cause and understand the social responsibility of a citizen. The table given below shows the amount generated per year after the celebration.

Sr.No.	Year	Amount Collected	Place of donation	No. Of persons benefited	Items donated to beneficiaries
1	2012-13	7000/-	Child Heaven Sector-7	45	A kit comprising of Slate, pencil, rubber, compass box.
2	2013-14	24,000/-	Primary Municipal School of Sector-22,29,18,19,21	600	A kit comprising of Slate, pencil, rubber, compass box.
3	2015-16	29000/-	Primary and Higher Primary Municipal School of sector-13 and students of Anganwadi school of sector-12	700	A kit comprising of note book, pencil, rubber, compass box for primary school. A kit comprising of note book, pencil, rubber, pen compass box for primary school.

4	2016-17	15000/-	Army Relief Fund, Gujarat State.	-----	-----
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The above table shows the consecutive increase in income generated after the celebration of every year which gives an idea about the success rate of this practice.

6. Problems Encountered and Resources Required

As students come prepare with raw food they require cooking gas facility for making the item completely cooked and this facility is provided by the college so no extra resources are required and even the space for stall is provided by the college in the campus itself. Over and above water facility, power supply and dustbin for maintaining campus cleanliness are provided by the college.

Use of Renewable Energy : Use of Solar Rooftop :

Government Science College has stalled solar panels in good number on the terrace of the college building as well as on hostel building. Using this solar panel all the bulb and fans in the class room are work. By using of these solar panels light bill is reduced by 50%.

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust
Provide the weblink of the institution in not more than 500 words

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

Awaiting for NAAC Cycle 2 Report / Suggestions and necessary follow up work will be carried out to strengthen the college.

Name Dr. C.K. CHAUHAN

Name Dr. K. G. CHHAYA

C.K. Chauhan
Co-ordinator
IQAC
Govt. Science College
Gandhinagar

Signature of the Coordinator, IQAC

K.G. Chhaya
Principal
Government Science College,
Sector-15, Gandhinagar.

Signature of the Chairperson, IQAC

