SELF STUDY REPORT

FOR

3rd CYCLE OF ACCREDITATION

GOVERNMENT SCIENCE COLLEGE

GOVERNMENT SCIENCE COLLEGE NEAR MAHATMA MANDIR SECTOR - 15
382016
www.gscgandhinagar.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

August 2024

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Government Science College - Gandhinagar (GSCGNR) was established in 1970 and is managed by the Education Department - Government of Gujarat. The College is headed by the principal (GES, Class-I). The college is affiliated to Gujarat University, Ahmedabad and provides access to academic excellence in science and offers all-round development of students belonging all sections of the society irrespective of gender, caste, creed, religion and socio-economic status.

GSCGNR is the only Government College (Affiliated, UG) of Gandhinagar District offering higher education in science stream. The college is located near the heart (Mahatma Mandir - the convention and exhibition center developed by Government of Gujarat) of Gandhinagar City - the Clean and Green Capital of Gujarat. The college is having a huge Eco-friendly campus (Area: 199064.87 m2) serving as habitat for diversified flora and fauna.

The college offers B.Sc. in Chemistry, Microbiology, Mathematics, Physics, Botany, Zoology, Statistics and M.Sc. in Chemistry. Highly qualified and highly experienced teaching staff is the strength of college. About 83% of teaching staff is having Ph.D as their highest qualification. Additionally, the college is having large number of class rooms with ICT facilities, laboratories equipped with latest scientific instruments and a central library with a huge collection of text books and reference books. All these facilities build the college as an excellent center for the higher education in science.

The College also offers some unique flag-ship programs/policies of state government to the students, such as (1) Finishing School Training Program, (2) UDISHA [Universal Development of Integrated employability Skills through Higher education Agencies], (3) Placement cell, (4) Innovation club, (5) SSIP [Student Startup and Innovation Policy], (6) SAPTDHARA etc.

Vision

Government Science College, Gandhinagar, the foremost education institution, will venture to become the State Resource Center in Science Education with national recognition and will provide flawless access to sustainable and learner-centric, quality-science education for excellence and service.

Mission

- To inculcate human values and generate environmental awareness in the society.
- To raise necessary infrastructure and provide essential facilities for the enhancement of science education among the students.
- To work in harmony with state and central governments and other federal agencies for the development of higher education.
- To develop the world-class manpower through the quality education in order to meet the challenges of

the highly competitive global market.
- To enable the students to develop an all-round personality.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Good governace, ledership and management.
2. The college is in best location and having a huge Eco-friendly campus (Area: 199064.87 m2) serving as habitat for diversified flora and fauna.
3. Having adequate infrastructure (ICT enabled) for higher education in science.
4. Adequate number of highly quliafied teaching staff.
5. Excellent teaching-learning practices.
6. Many students received Gold medals in university examination.
7. Award wiining extension activities through NSS.
8. Best finshiing school and eco-club activities.

Institutional Weakness

1. Frequent transfer of teaching and non-teaching staff
2. Inadequate infrastructure and facilities for research and innovation
3. Inadequate number of non teaching staff especially laboratory assistants .

Institutional Opportunity

1. Collaboration with different departments and agencies of state government, situated in Gandhinagar and Ahmedabad.
2. Full fledged implemenation of NEP-2020 and introduction of various Skill Enhancement Courses.
3. Development and implementation of on-demand and on-ine teaching-learning and evaluation processes.
4. Promotion of reserach, innovation and extension activities.
5. Stage wise transformation to be an autonomous instituion.

Institutional Challenge

1. Appintment of non-teaching staff.

2. Maintaining stable educational environemnt in view of transfer of staff

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Curriculum planning begins with the Education Department's common academic calendar, followed by academic calendar of Gujarat University-Ahmedabad. Based on these, the IQAC along with HODs of all departments prepares an academic calendar of the college to ensure timely completion of curricular and co-curricular activities, continuous internal assessment as well as external assessments.

A general time table and departmental time tables are prepared for lectures and practicals to ensure timely completion of the syllabus.

Curriculum delivery blends conventional chalk and board teaching with ICT tools, enhancing the learning experience of students.

Continuous internal assessment constitutes 30% of the evaluation, with the 70% from university external assessments.

During the COVID-19 pandemic, online platforms like Microsoft Teams and Google Meet facilitated uninterrupted teaching.

Professional ethics, gender equality, human values and environmental sustainability are integrated into the curriculum. Activities promoting these values includes celebrations of significant days, environmental awareness programs, and a green campus initiative.

The IQAC collects feedbacks from all stakeholders and analyse it.

The college also offers a soft skill enhancement certificate course for final year students through Finishing School program.

Teaching-learning and Evaluation

Enrolment percentage is 78.57

81.38 percentage of seats filled against reserved categories. Reservation policy is prepared.

Student -Full time teacher ratio is 21.31

ICT infrastructure for teaching – learning includes computers, Wi-Fi internet facility, LCD projectors, Smart TVs, Interactive panels, Pen tablets etc. ICT enabled technologies used for teaching -learning includes Microsoft office (Word, Excel, Power point), MS Teams, Microsoft forms, Google Meets, Google classroom, Google forms, YouTube, WhatsApp, Gmail, etc.

N-list of INFLIBNET is available for academic referencing.

Experiment based experiential learning, competition and internship based participative

Learning and identification plants, animals, chemicals-based problem solving methos are used.

Percentage of full-time teachers against sanctioned posts is 75.76

91.43 percentage of full-time teachers are with NET/SET/SLET/Ph.D.

Continuous internal assessment is composed of Unit test (MCQ test), assignments/seminars and attendance. Well established and satisfactory mechanism is there to address various grievances related to internal evaluation.

External assessment is carried out by Gujarat University in a transparent way

The Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) and Course Outcomes (COs) offered by the institution are clearly defined and documented and visible on the college website also.

Syllabi with POs, PSOs are shared with students in the beginning of the teaching learning process in each semester. The attainments of POs, PSOs, and COs are evaluated through various attributes of teaching – learning process, and internal and external assessments as well as by collecting and analysing feedbacks.

Pass percentage of Students during last five years is 77.37.

Research, Innovations and Extension

The college fosters research skills through research cell, innovation club and the Students' Startup and Innovation Policy (SSIP).

Students and Faculty are encouraged to participate in seminars, conferences, and workshops.

During the assessment period, faculty members published 44 research articles in UGC-CARE listed journals and 11 book chapters in ISBN-bearing books. Some faculty are also recognized PhD guides.

The microbiology courses include topics on Intellectual Property Rights (IPR) raising awareness among students.

Community service is emphasized through the NSS, NCC, Eco Club and CWDC with over 200 extension activities conducted in the past five years. These initiatives address various social issues such as cleanliness, health, gender equality and digital literacy, benefiting both students and the local community. The NSS and NCC units along with various collaborations, promote civic responsibility and holistic development.

The institute's efforts have been recognized with several awards, including state national awards for best NSS programme officer and best NSS Unit, highlighting its commitment to social responsibility, community engagement and leadership development. These honours enhance the institution's reputation and motivate continued excellence in education and community service.

Infrastructure and Learning Resources

The college campus is Wi-Fi enabled and have a good CCTV surveillance system.

Infrastructure for curricular activities includes 13 class rooms (few with ICT enabled technologies), 14 fully equipped laboratories, a large central library and use of MS teams, Google Classrooms as LMS.

Library is automated with digital facilities such Wi-Fi internet connectivity, SOUL 3.0 software, subscription to E- resources of N-list of INFLIBNET. Library also has a huge collection of more than 11,000 books, 14 different magazines and subscription to 7 newspapers.

Library has a daily footfall of average; 2 to 3 faculty members and 55 to 60 students who use the library daily for various academic purposes.

On an average more than 40,000 rupees are expend on purchasing different books annually.

Institutes updates few of its IT facilities including SOUL software, number of computers, website etc.

Latest Student – Computer ratio is 12.88.

Good amount of expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years

Student Support and Progression

The students belong to reserved category SC, ST, and SEBC availed scholarship from state government through Gujarat State Scholarship Portal and Mukhyamantri Yuva Swavalamban Yojana Scholarship (MYSY) portal. The college plays crucial role in facilitating access to these scholarships.

Approximately 45% of students choose to pursue higher education in the respective subject.

Many of the students have been selected in placement drive, organized by Education Department, Government of Gujarat.

Moreover, some students have excelled in cultural and sports activities, earning medals for their achievements.

The college's active UDISHA and Placement Cell have organized lectures on career guidance, competitive exam preparation, and soft skill enhancement. Final year students have undergone soft skill enhancement training through the Finishing School Program to increase their employability.

Governance, Leadership and Management

The institutional governance and leadership are in accordance with the vision and mission of the institution and it is visible in various institutional practices such as:

  1. NEP implementation from 2023-24, sustained institutional growth through maintenance and increment

of infrastructure,

2. Implementation of e-Governance and decentralization of power and policy as well as participation of all staff in the institutional governance

Institute has well defined short term and long-term plans.

Main perspective plans of the college include:

1. Maintenance and increment in the institutional infrastructure and development of eco-friendly campus
2. Regular appointment of teaching and non-teaching staff and their carrier advancement
3. Upgradation of the teaching – learning activities of the college
4. Implementation of NEP-2020 with emphasis on research, innovation, skill and entrepreneurship
5. Implementation of effective e-governance in academic and administrative practices.

These perspective plans are effectively deployed though policy documents, administrative setup, appointment and service rules as well as operational procedures.

The institution has performance appraisal system and effective welfare measures for teaching and non-teaching staff as per rules of education department of state government.

Teaching and non-teaching staff are given opportunities to join carrier advancement and promotion related courses and training. More than 18 percentage of teaching and non-teaching staff have participated in different developmental programmes.

A good working environment is provided to all staff.

Institutional Values and Best Practices

College promotes gender equity by providing equal opportunities to females and males in admissions and recruitment, offering 33% reservation for women in posts, and various leave rules for women staff. The college waives tuition fees for female students and ensures inclusive access to academics, co-curricular and extracurricular programs.

The Collegiate Women's Development Cell organizes gender sensitization activities, while various programs encourage life skills, entrepreneurship and placement opportunities for all the students. Facilities such as a separate ladies' room and security measures further support gender equity.

The college also fosters inclusivity and diversity, admitting students from different regions and backgrounds, and providing reserved seats and scholarships for SC, ST, OBC and EWS students. Active committees like Saptdhara, UDISHA, Eco Club and SRC promote cultural and educational diversity.

Efforts to instill constitutional values include awareness programs and celebrations of national events. An active SRC allows students to practice democratic values. The college adopts following best practices includes social services through National Service Scheme (NSS), Soft skill enhancement for holistic development of students through Finishing School and Environmental awareness through Eco Club activities.

The college has legacy of academic excellence in science education, supported by a highly qualified staff, with

over 80% holding PhDs. The college follows state government policies for academic and administrative activities. Over the past five years, the college has proudly produced nine gold medallists in Gujarat University exams, reflecting its strong academic performance

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	GOVERNMENT SCIENCE COLLEGE
Address	Government Science College Near Mahatma Mandir Sector - 15
City	Gandhinagar
State	Gujarat
Pin	382016
Website	www.gscgandhinagar.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	M. G. Bhatt	079-23222352	9909012291	-	prin-gscgandhinagar@gujgov.edu.in
IQAC / CIQA coordinator	S. K. Patel	-	9925015949	-	skp8003@gmail.com

Status of the Institution	
Institution Status	Government

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

State	University name	Document
Gujarat	Gujarat University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	04-03-1997	View Document
12B of UGC	04-03-1997	View Document

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
No contents				

Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Government Science College Near Mahatma Mandir Sector - 15	Urban	49.19	15459.32

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BSc,Science, Chemistry Physics Botany Mathematics Statistics Zoology Microbiology	36	HSC	English,Gujarati	1560	868
PG	MSc,Science, Chemistry	26	BSc Chemistry	English	144	111

Position Details of Faculty & Staff in the College

	Teaching Faculty											
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				48			
Recruited	0	0	0	0	0	0	0	0	23	19	0	42
Yet to Recruit	0				0				6			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				15
Recruited	8	5	0	13
Yet to Recruit				2
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers									
Highest Qualification	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	17	16	0	33
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	3	0	0	3
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers									
Highest Qualification	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

24-12-2024 10:29:17

Part Time Teachers									
Highest Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		**From the State Where College is Located**	**From Other States of India**	**NRI Students**	**Foreign Students**	**Total**
UG	Male	580	0	0	0	580
	Female	288	0	0	0	288
	Others	0	0	0	0	0
PG	Male	74	0	0	0	74
	Female	37	0	0	0	37
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	59	77	82	87
	Female	28	35	34	34
	Others	0	0	0	0
ST	Male	94	107	119	114
	Female	29	46	39	40
	Others	0	0	0	0
OBC	Male	319	411	477	529
	Female	129	150	145	154
	Others	0	0	0	0
General	Male	182	265	308	344
	Female	139	177	183	201
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		979	1268	1387	1503

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Government Science College, Gandhinagar is affiliated to Gujarat University, Ahmedabad. The college offers B.Sc. in basic sciences including Chemistry, Microbiology, Mathematics, Physics, Botany, Zoology, Statistics and also offers M.Sc. in Chemistry. Gujarat University has introduced new syllabi for various courses of FYBSc as per the guidelines of NEP-2020 from the academic year 2023-24. Many of these new courses are multidisciplinary and interdisciplinary.
2. Academic bank of credits (ABC):	Gujarat University, Ahmedabad and Government Science College, Gandhinagar both are registered under Academic Bank of Credits (ABC) of Ministry

	of Education Government of India, to permit its learner to avail the benefits of multiple entries and exit during the BSc program. As per the NEP-2020 guidelines, an ABC ID has been created for all the students enrolled in the academic year 2023-24.
3. Skill development:	Gujarat University has introduced new syllabi of various skill enhancement courses of FYBSc as per the guidelines of NEP-2020. These courses are aimed at increasing skills of students. Our teaching staff members who are serving as members of Board of Studies (BoS) are advised to play their vital role in framing new syllabi as per the guide lines of NEP-2020. All teaching staff members are also advised to learn how to frame syllabi of Vocational course, Ability enhancement course, Skill enhancement courses etc. that match with the needs of current employment system. Additionally, teachers are also advised to learn how to design and deliver such courses in on-line and off-line mode and how to prepare for blended learning. The College provides soft skill enhancement training to final year students through the 'Finishing School Program' – an initiative by Knowledge Consortium of Gujarat (KCG), Department of Higher Education, Government of Gujarat aimed at increasing the employability of graduates.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	All courses of BSc program offered by our college are taught in Gujarati as well as in English as per the need of students. Additionally, in FYBSc and SYBSc, Indian Knowledge System (IKS) is offered as a value added course (VAC) by Gujarat University.
5. Focus on Outcome based education (OBE):	Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course outcomes (COs) of all courses offered by the college are prepared and published on the college website. Attainment of these outcomes is regularly monitored during teaching-learning process,, internal assessment and external assessment.
6. Distance education/online education:	The college has NAMO Wi-Fi facility, providing free internet access to all. Students are encouraged to enroll in online courses available on SWAYAM portal, e-pathshala, Babasaheb Ambedkar Open University (BAOU) and Indira Gandhi National Open University (IGNOU). Students and faculties both

have access to e-resources listed in N-List of INFLIBNET. Additionally, some of faculties have their YouTube channel as well as recorded video lectures. During the COVID-19 pandemic, online theory and practical lectures were conducted on Microsoft Teams. Faculty members have been trained for E-content development and the creation of MOOCs.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, Electoral Literacy Club (ELC) has been set up in the institution. It is functioning in coordination with district collectorate office - Gandhinagar. The primary objective of the club is to sensitize students and neighboring community about democratic right of casting vote and to inspire them for voting without fail during the election.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	The Principal is the Chairperson of the Club. NSS programme officer holds the position of Staff Coordinator. Two students (one from each gender) are appointed as Campus Ambassador. The ELC functions by arranging public rally to inspire people for casting their votes. The members of ELC also give detailed information to people about different forms related to registration, change or deletion of voter name from the voter's list . New aspiring voters are made aware for registration by filling the Form-6. Existing voters are informed to do any correction (if required) in their detail by filling the Form-8. Deletion of name of voters is done by filling the Form-7. Linkage of EPIC and AADHAR is done by filling the Form-6B.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	Various programs are implemented as per the guidance of the district administrations. Lectures are organized to create awareness about voter registration, participation of women in democracy and promotion of ethical voting. Sharing information with voters, about various forms regarding EPIC. Guiding student about online voter registration through www.nvp.in. Celebration of 'National Voter's Day' (25th January).

4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	Various initiatives taken by ELC at the college. National Voter's Day celebration, every year in different form. Outreach activities in neighboring villages on National Voter's Day, every year. Drawing competition on the theme of voting. Invited talk by government officials on the occasion of Youth Voter Festival. Arranging Question-Answer session in coordination with district administrations office, Gandhinagar. Sensitizing students to insist their family members to cast their votes and consider voting as first duty of citizen of India.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	The first-time voter are always motivated to be an aspiring voters. The newly enrolled students of F.Y. B.Sc. are made aware about registration process by visiting www.nvp.in or through voter application.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
979	1268	1387	1503	1510

File Description	Document
Upload Supporting Document	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 54

File Description	Document
Upload Supporting Document	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
39	34	28	28	28

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
77.04	277.48	36.45424	161.53	7.45

File Description	Document
Upload Supporting Document	[View Document](#)

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

The college is managed by Education Department, Government of Gujarat (GoG) and is affiliated to the Gujarat University – Ahmedabad. The college follows; curricula, academic practices and examination patterns prescribed by the Gujarat University.

1. Curriculum Planning:

Prior to the academic year, Education Department, GoG prepares a common academic calendar, applicable to all state universities across Gujarat. Based on this, Gujarat University – Ahmedabad prepares its own academic calendar which is followed by all colleges affiliated to it. At GSC-Gandhinagar, prior to the starting of each academic year a Common Room meeting of all staff members is held on the first day of the first term under the chairmanship of the Principal, in which all academic and administrative activities are planned out. Then IQAC in consultation with the Principal, Time Table Committee and Examination Committee prepares an academic calendar based on academic calendar of Gujarat University. The annual academic calendar specifies available dates for significant activities to ensure proper teaching—learning process, timely completion of syllabus, involvement of learners in co-curricular activities and continuous internal and term-end external assessments etc. Later on, Time Table Committee prepares a Common Time Table for theory & practical classes, based on which every department prepares Departmental Time Table that is displayed on the notice board and sent through WhatsApp to various groups of the students and teachers. A meeting is held in each department at the beginning of the academic year to discuss the course distribution for the academic session. The syllabus is allotted to teachers by the head of the department. At the commencement of every academic year, an orientation programme is conducted for students to get them acquainted with the code of conduct, syllabus and examinations.

2. Curriculum Delivery:

Conventional classroom and laboratory teachings are blended with reasonable use of ICT to make the teaching-learning process more learner-centric. Internet assisted learning, participative and experiential (experiential) learning methods are used for effective curriculum delivery. Classroom teaching is supplemented with seminars, workshops, special lectures, group discussions, quiz, scientific writing, dissertation, projects, assignments, educational tours, field trips and industrial visits. During the Covid–19 pandemic, 'Microsoft Teams' was provided as an online platform to teachers for delivery of lectures and assessments. In addition to this 'Google Meet' is also used for online teaching. Teachers utilize variety of online resources e.g. Digital Content, Videos, Applications, PPT presentations, YouTube channels.

3.   Continuous Internal Assessment:

The college ensures effective teaching-learning pedagogy through continuous assessments that are conducted following completion of topics of courses. For every course, 30% Marks are allotted to continuous internal assessment and 70% Marks are allotted to external assessment. Internal assessment (Continuous Comprehensive Evaluation – CCE) of 30 Marks is carried out on the basis of:

1.   Internal tests: 15 Marks

2.   Assignments/Seminars: 10 Marks

3.   Attendance: 05 Marks

Result Analysis is done at the end of each semester and review meetings are held department-wise. Academic Audit gives an insight into the weaknesses and gaps in the teaching learning process.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 04

File Description	Document
List of students and the attendance sheet for the above mentioned programs	[View Document](#)
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Evidence of course completion, like course completion certificate etc. Apart from the above:	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 3.4

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
49	61	44	27	45

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

Institute integrates professional ethics, gender, human values, environment and sustainability in its curricular, co-curricular and extra-curricular activities.

1. Professional Ethics:

- The college has prescribed code of conducts and professional ethics for students and teachers.
- The Curriculum of M.Sc. Chemistry delivers systematic study of ethical matters in Research areas where they focuses on case study, Monograph, Book and Articles Reviews and guidelines for Report Writing in which research scholar have to willingly present Poster/Oral Presentation in University State /National/International Seminar and conference. In adition to this the chemistry subject has Ethical Legal and Social Implications as their Unit.
- B.Sc. Microbiology SEM-VI, MI-307 and MI-311.1 course curricula have topic like ELSI (Ethical Legal and Social Issues) of Genetic engineering and Intellectual property rights: Introduction to IPR, patents in biotechnology.
- Professional ethics develop character, comradeship, Discipline, Leadership, Secular outlook,

Spirit of adventure amongst the youth are taught as syllabus in SEM.- II and SEM.- IV through NCC Subject. Civil Defense and Disaster management, Natural-Man made disasters and Fire services, Social services are the major topics.

2. Gender:

- Boys and girls have equal access to academic programs, co-curricular and extra-curricular activities, as well as support services at college
- Collegiate Woman Development Cell (CWDC) addresses the issues of gender equity. Gender sensitization programs like lectures, seminars, training and workshops etc. are regularly organized by CWDC.

3. Human Values:

- Programs of Human values are regularly promoted through the activities of the NSS and NCC. Celebration of Constitution Day, Gandhi Jayanti, Swami Vivekanand Jayanti, Voter's awareness programs etc. imbibes human values in learners.

4. Environment and Sustainability:

- Environmental awareness also plays a vital role in students' lives. Environmental education is imparted through elective courses, core courses, projects, field work, eco club activities etc.
- B.Sc. Botany SEM-I 'Environmental Biology & Climate Change', Elective course -'Biodiversity' and 'Environmental Science' B.Sc. Botany SEM.- III Bot 202.' Plant Ecology', B.Sc. Botany SEM V Bot. 304 'Plant Ecology', Botany SEM.- VI Bot. 310 Environmental Biology, B.Sc SEM 5 Zoology SEM V Zoo. 301 ' SEM.- V Zoo. 305 'Pollution''Ecology' and B.Sc. Microbiology SEM-V, MI-305.1 elective course - 'Environmental Microbiology' and B.Sc SEM.- V Chemistry CHE 305. 'Soil Composition and Analysis' are offered to students.
- College raises environmental awareness among students by organizing Programs/activities like Tree plantation, "Say No to Plastic- Plastic free environment campaign", Seed Ball making, Ecofriendly Ganesha making, Snake-bite awareness, Bird watching, Sustainable Lifestyle Practices, Kitchen-Gardening and Organic farming.

The institute has developed a botanical garden in the campus. The college put every effort to keep the campus lush green. Students are also motivated to participate in different online programs related to the environment during COVID-19 pandemic.

File Description	Document
Upload Additional information	[View Document](#)

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 14.71

1.3.2.1 **Number of students undertaking project work/field work / internships**

Response: 144

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	[View Document](#)
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	[View Document](#)
Action taken report on the feedback analysis	[View Document](#)
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 78.58

2.1.1.1 **Number of seats filled year wise during last five years (Only first year admissions to be considered)**

2022-23	2021-22	2020-21	2019-20	2018-19
312	456	472	528	558

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
592	592	592	592	592

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Final admission list as published by the HEI and endorsed by the competent authority	[View Document](#)
Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 81.38

2.1.2.1 **Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)**

2022-23	2021-22	2020-21	2019-20	2018-19
202	238	245	247	248

2.1.2.2 **Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
290	290	290	290	290

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	[View Document](#)
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	[View Document](#)

2.2 Student Teacher Ratio

2.2.1

Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 25.1

2.3 Teaching- Learning Process

2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

To ensure that syllabus is imparted effectively, student – centric methods such as experiential learning, participative learning and problem-solving methodologies are used. The campus is Wi-Fi enabled and classrooms and seminar rooms are equipped with ICT infrastructure such as Computers, Printers, Web Camera, Smart TVs, Interactive Panels, LCD projectors, Pen Tablets (Digital Writing Pads), Microphones and Audio-Visual facilities to assist teaching-learning process. During COVID-19, college had made a major transition to online teaching methodology through adoption of online ICT tool such as 'Microsoft Teams' for the benefit of students and teachers. Lectures delivered through online mode were helpful for students in continuing the learning during pandemic and were time saving and more effective.

Following ICT Tools are used by teachers and students to prepare and share - lectures, class notes, reading materials, assignments, seminar topics etc.

- Microsoft Word, Excel, PowerPoint, OneNote (for preparation and presentation)
- Platforms such as Google Classroom (for sharing study material, assignments, tests), Microsoft Teams and Google Meet (online lectures, webinars)
- YouTube (for educational video and recorded lectures of teachers)
- Google forms and Microsoft forms (for quiz, MCQ and online tests)
- Inflibnet and N-List website (For books, journals)
- WhatsApp (for sharing educational contents)

Use of ICT tools in preparing Images, graphs, flow charts, videos, etc., are considered highly effective which helped the students in grasping the concepts quickly. It enhanced retention power and learning experience of students, which resulted in the improvement of academic performance of students.

Experiential Learning Methodologies

All departments of the college have well equipped laboratories and allied facilities. Faculties made use of it to provide real understanding of subject by performing experiments. The experience of doing practical, taking observations, analysis of observations/results 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. Robotics workshop under the aegis of Innovation club, field visits and excursion tour for students of botany department, industrial visits and internship/training in industry for students of chemistry department etc. makes students aware about the current development in the field of science and technology.

Participative Learning Methodologies

Seminars, Guest Lectures, Webinars, Career guidance programs, Inter and Intra Collegiate Competitions such as Essay Writing, Elocution, Debates and Poster making, clay making etc. are arranged to promote participative learning. Participation of students in Regional Science Center Programs, Voter Awareness Programs, Food Festival etc. raises the sense of community education in them Additionally, preparation of tour reports and performance of some critical practicals by a group of 3 to 4 students imbibe the sense of team work and collaboration.

Problem Solving Methodologies

Book reviews program, Case studies on relevant topics in medical microbiology, Dissertation projects in MSc Chemistry, Identification of Plants, Animals and Microorganisms by ecological, morphological,

physiological and biochemical characteristics, Identification of chemical compound, Spotting exercises in practical examination, Solving mathematical problems. etc. helps students how to solve problems logically.

File Description	Document
Upload Additional information	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 75.12

2.4.1.1 **Number of sanctioned posts year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
43	43	40	40	43

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	[View Document](#)

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 92.99

2.4.2.1 **Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
33	33	27	27	26

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	[View Document](#)
Institution data in the prescribed format	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

The evaluation of performance of a student in each course comprises of two main components:

(1) Internal Assessment (30 %)

(2) External Assessment (70 %)

(1) Internal Assessment

Continuous Comprehensive Assessment (CCA): As per the Guidelines of Education Department GoG and Gujarat University, internal assessment for theory and practical courses is done by continuous evaluation. The components for the CCA and their weightage in terms of marks are as follow:

Unit Test/MCQ test*:   15 marks

Assignment/Seminar: 10 marks

Attendance: 05 marks

Total internal marks: 30 marks

* Unit Tests/MCQ tests are conducted of 30 marks which are converted to 15 marks

First the time table of internal examination for theory and practical are prepared separately and sent to students via WhatsApp group as well as informed orally in the class and also displayed on the notice board.

For internal theory examination question papers are set by the teachers whose copies are given to the head of the internal examination committee in a sealed cover duly signed by head of the department.

Internal examination is conducted under strict supervision of teachers and under CCTV surveillance. The examination committee deals with malpractices done by any students during exams. Answer sheets are evaluated by teachers within fifteen days after completion of examination and then mark sheet is prepared.

Internal practical examination is conducted by each department after the completion of theory examination. Additionally, all the department follows the procedure to assess students continuously by providing course-based assignments, conducting MCQ quizzes, viva-voce, regular checking of practical record books and journals, conducting students' seminars based on curriculum etc. Attendance of all students in theory classes and practical classes are recorded regularly by each teacher.

By combining marks of internal examination (15), Assignment/Seminar (10), Attendance (05) the final internal examination mark sheet is prepared which is shown to students department-wise. Mark sheet is also sent to students via WhatsApp group and displayed on the notice board of each department.

Examination committee and Internal Marks Committee as well as Heads of all departments look into the grievances related to examination. Students are asked to report the grievance, if any, within three days after the declaration of mark sheet. If a student has any grievance in mark sheet, then firstly student must bring it to the notice of head of department and concerned teacher. Then, answer sheet is shown on the demand of students and if any legitimate error found in the assessment or evaluation then only required changes are made in the marks and mark sheet. Re-test is being conducted for only those students who remained absent in the examination because of genuine reason.

Finally, the marks of each course of all students are uploaded in Online Internal Marks Entry system of Gujarat University. The hard copy of combined mark sheet is also send to the examination department of Gujarat University

(2) External Assessment

External assessment is carried out by Gujarat University in a transparent way. Grievances related to external examination is addressed by Examination Department of Gujarat University.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

As an affiliated institution of the Gujarat University, Government Science College, Gandhinagar follows the guidelines and norms of the University with respect to program offered and course curriculum

Stating and Displaying Programme and Course Outcomes

(1) Programme outcomes (POs) and Course Outcomes(COs):

- The Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) and Course Outcomes (COs) offered by the institution are clearly defined and documented.

- Syllabus is prepared by the members of the Board of Studies of Gujarat University.

- As an affiliated college, we follow the syllabus for each course as developed by the university.

- For some courses, the university provides the POs, PSOs and COs along with the syllabi. However, for others, our dedicated faculty members take the initiative to develop the POs, PSOs, and COs in alignment with the syllabus, as per the guidelines provided by the UGC. These outcomes are then discussed in departmental meetings, and after discussion and validation, they are submitted to the IQAC for approval. Once approved, they are uploaded on the college website. This process ensures that every programme has well-defined learning objectives, contributing to a coherent and integrated educational experience.

- POs, PSOs and COs serve as essential benchmarks for the academic and professional skills that students are expected to achieve by the end of their respective programs.

- Syllabi with POs, PSOs are shared with students in the beginning of the teaching learning process in each semester.

- Hard copies of the syllabi with POs, PSOs and COs are maintained in every department for ready reference.

(2) Visibility on the Website:

- The POs, PSOs and COs for each specific programme are prominently displayed on the institutional website. This ensures complete transparency and easy accessibility for all stakeholders, including students, faculty, and external evaluators.
- The website is regularly updated to reflect any changes or revisions in the outcomes to maintain up-to-date information.

- The inclusion of POs and COs on the website also aids in attracting prospective students by clearly communicating the educational goals and standards of the institution.
- It provides a clear picture of what students can expect to achieve, thus helping them make decisions about their educational pursuits.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

The attainments of POs, PSOs, and COs are evaluated through

- Evaluation of answers written in internal and external theory examination
- Assessment of students performance in internal and external practical examination
- Viva-voce exercise during practical examination
- Spotting exercise in practical examination
- Assessment of practical journals written by students
- Seminar presentation
- Evaluation of assignments, class notes, tour reports, projects etc. prepared by students.
- MCQ test
- Analysis of feedback of students on curriculum
- Analysis of the results of university examination taken by students

File Description	Document
Upload Additional information	[View Document](#)

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 77.37

2.6.3.1 **Number of final year students who passed the university examination year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
284	330	479	426	327

2.6.3.2 **Number of final year students who appeared for the university examination year-wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
398	447	543	552	446

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	[View Document](#)
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.24

File Description	Document
Upload database of all students on roll as per data template	[View Document](#)

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 0

3.1.1.1 **Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
00	00	00	00	00

File Description	Document
Institutional data in the prescribed format	[View Document](#)

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS),including awareness   about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

The institute has developed a budding ecosystem for innovation, focusing on raising awareness about Intellectual Property Rights (IPR) and fostering a culture of innovation. This ecosystem encompasses various components, including departmental laboratories, the library, the research cell, the innovation club, the student startup and innovation policy (SSIP), IPR as a part of curriculum, as well as participation of students in seminars and competitions.

The laboratories in each department are equipped with good number of scientific instruments, providing necessary tools for doing some crazy experiments. Chemistry department has post-graduation center running MSc, where in students participate in dissertation projects that inculcate the sense of research in them. Microbiology lab is one of the labs in the entire state providing pure bacterial cultures to many nearby colleges and researchers working in the field of microbiology.

The institute boasts a well-equipped library with internet facility and having extensive collection of reference books, journals, and e-journals ensuring that students and faculty have access to the latest

research references.

The Research Cell plays a pivotal role in encouraging teachers to do quality research work and have good publications as well as to participate in conferences/seminars/workshop focusing on IPR awareness.

The Innovation Club is instrumental in promoting interdisciplinary activities and developing new models, including programming with the help of AI. This club not only nurtures creativity among students but also encourages them to develop startups. The club provides training and support for students to participate in various competitions and hackathons, further enhancing their innovative capabilities.

Under the SSIP policy, the institute has established a cell that provides funds to students with innovative startup ideas. Seminars, workshops, and field trips are organized under this scheme to expose students to innovative startups and entrepreneurship, fostering an entrepreneurial mindset among them.

Few courses of microbiology include IPR as a unit/topic in their curriculum. This raises awareness of IPR among students.

Institute also encourage its students to participate in subject specific seminars, conferences, workshops and various competitions to showcase their innovative ideas and projects. Students from various departments like microbiology, physics and botany have achievements at state and national level competitions and conferences.

Surely this budding ecosystem for innovation will boom with varied intellectual properties in near future.

Additionally, our institute introduced the Value-Added Course (VAC) on Introduction to Indian Knowledge System (IKS) as per NEP-2020, in academic year 2023-24. This course is designed to understand and enhance the holistic understanding of Indian Knowledge System. It provides the basic understanding of the rich Indian knowledge system and its traditions. The course introduces ancient Indian Schools and its relevance in contemporary world.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 15

3.2.2.1 **Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
05	04	05	00	01

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.3 Research Publications and Awards

3.3.1

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.06

3.3.1.1 **Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
01	00	00	01	01

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	[View Document](#)
Link to re-directing to journal source-cite website in case of digital journals	[View Document](#)
Links to the papers published in journals listed in UGC CARE list or	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.3.2

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.2

3.3.2.1 **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
08	01	00	00	02

File Description	Document
List of chapter/book along with the links redirecting to the source website	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	[View Document](#)

3.4 Extension Activities

3.4.1

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

Government Science College – Gandhinagar, as a part of its extension, emphasizes on community services and aim to prepare its graduating students as responsible citizens by engaging them in social services in nearby communities through activities under the aegis of NSS unit, NCC unit, Eco Club and Collegiate Woman Development Cell (CWDC). Association of the college with its neighborhood community helps both to develop mutually. Over the past five years, these units have organized more than 200 programs of extension activities aimed at leaving positive impacts in the neighborhood community and holistic development of participating students

A. Impact in the neighborhood community

Extension activities conducted by the college, have left a profound impact on the neighborhood community. Through workshops, roadshows, rallies, and street plays (nukkad natak), students have actively raised awareness in the neighborhood community, about;

1. Cleanliness
2. Health and hygiene
3. Yoga
4. Gender equality

5. Girl child education
6. Voter's right and responsibility
7. Indian constitution (Rights and Duties of Indian Citizens)
8. Traffic rules
9. Digital payment literacy
10. Tree plantation
11. Plastic free environment
12. Preventive measures of COVID-19 Pandemic

Adapting to Challenges: During the COVID-19 pandemic, the NSS and NCC units swiftly adapted their activities. They launched online awareness drives, distributed corona kits and masks, and supported local authorities under the "Mai bhi CORONA Warrior" initiative. NCC cadets expressed gratitude to healthcare workers through handmade cards, showcasing empathy and solidarity in times of crisis. Despite the limitations imposed by the pandemic, the college maintained its commitment to health and hygiene awareness.

Collaboration: Partnerships of College with NGOs such as Indian Red Cross Society have strengthened our extension activities and increased its positive impact in the community.

B. Sensitizing the Students to social issues

By participating in events like International Yoga Day, Vanmahotsav (Tree Plantation), Indian Coastal Clean-up Day, World Health Day, Sparrow Day, Water Day, and Women's Day, students have gained practical insights into global challenges and local initiatives. Initiatives like the Say "No to Drugs" campaign, Global Ayush Summit visits, and residential camps in adopted villages have further broadened their horizons, promoting cultural exchange and community integration. These efforts have not only raised awareness but also instilled a sense of civic responsibility among students, encouraging them to actively engage in community issues.

The extension activities have sensitized students to diverse social issues such as;

1. Education
2. Cleanliness
3. Health crises
4. Gender equality
5. Conservation of environment
6. Biodiversity
7. Water saving
8. Electoral literacy
9. Financial literacy
10. Road safety
11. Drug abuse and addiction
12. Constitutional rights and duties
13. Indian democracy
14. Patriotism

These activities have significantly contributed to the holistic development of students. Participation in national camps, competitions, and community service projects has enhanced their confidence, teamwork abilities, and organizational skills, preparing them for future challenges in their careers and personal lives.

By sensitizing students to local and global challenges and equipping them with the skills needed to make meaningful contributions, the college ensures their holistic development and readiness for leadership roles in society.

File Description	Document
Upload Additional information	[View Document](#)

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

Awards and recognitions for extension activities from government bodies enhance an educational institution's reputation, reflecting its commitment to social responsibility and community engagement. Prestigious awards received by NSS and NCC students highlight their dedication and excellence, underscoring the institution's leadership and service-oriented mindset, positively impacting students, faculty, and the community.

National Service Scheme (NSS) Awards:

Best Programme Officer Award (2017-18):

- *Awarding Body*: Government of Gujarat State NSS Cell Higher Education Department
- *Year*: 2018
- This award acknowledges the outstanding leadership and organizational skills of the NSS Programme Officer, promoting a culture of excellence within the institution.

NSS National Award (2019-20) - President Award:

- *Awarding Body*: Ministry of Youth Affairs & Sports, Government of India
- *Year*: September 2021
- Receiving a national-level award from the President of India elevates the institution's stature, showcasing its contribution to national service and community welfare.

Heartfullness Essay Event:

- **Brighter Minds Award Commendable Initiative Award:**
    - *Awarding Bodies*: Shri Ramchandra Mission, United Nations Information Centre for India

> > & Bhutan, and Heartfullness Education Trust
> > > o *Year*: 2019
> > > o This award highlights the institution's commitment to promoting mental wellness and intellectual growth among students, aligning with global educational standards.

National Cadet Corps (NCC) Achievements:

PM Rally Guard of Honour:

- *Awarding Bodies*: Governor House & NCC Gujarat Directorate
- *Year*: 2019
- This recognition during the Republic Day Camp underscores the high level of discipline and training imparted by the institution's NCC unit.

Best Associate NCC Officer (PRCN Course/SW/103):

- *Awarding Body*: Officer's Training Academy Gwalior
- *Year*: 2019-20
- *Recognition*: Medal by Governor of Gujarat for being Best ANO Of PRCN Course 2019 (Year: 2020)
- *Description*: Dr. Jignasa Vaghela's recognition as the best NCC officer showcases the institution's capability in nurturing exemplary leaders.

PM Rally - Guard of Honour at Delhi RDC:

- *Awarding Bodies*: DG NCC and AMD GRP HQ
- *Year*: 2019-20

Bronze Medal in RDC 2022 (Sgt Dhrumil Makwana):

- *Award*: Best in Culture event - Bronze Medal all India NCC
- *Awarding Body*: DG NCC Delhi NCC India
- *Year*: January 2022
- *Award*: First in Rajpath Parade: Armed Forces RDC Parade
- *Awarding Body*: Defence Ministry Govt of India
- *Year*: January 2022
- *Additional*: Jhankhi of Gujarat State - Cultural representation of Gujarat State
- *Awarding Body*: Ministry of Defence
- *Year*: January 2022

TSC (Thal Sena Camp Delhi) Suo Mir Vanraj:

- *Award*: 1st in Map reading at IGC
- *Awarding Body*: Gujarat Directorate NCC
- *Year*: 2022

These awards and recognitions not only enhance the institution's profile but also motivate students and faculty to strive for excellence. They provide tangible proof of the institution's commitment to holistic

education, fostering a sense of pride and accomplishment among all stakeholders. This, in turn, attracts more students, enhances alumni relations, and fosters stronger community ties.

File Description	Document
Upload Additional information	[View Document]

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 109

3.4.3.1 **Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
44	26	10	15	14

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	[View Document]
Institutional data in the prescribed format	[View Document]
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	[View Document]

3.5 Collaboration

3.5.1

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 08

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	[View Document](#)
List of year wise activities and exchange should be provided	[View Document](#)
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- **teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- **ICT – enabled facilities such as smart class, LMS etc.**

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

The college is equipped with modern infrastructure and diverse facilities to cater to curricular, co-curricular, and extra-curricular activities.

A. Infrastructure for Curricular Activities

Classrooms:

- The college has 13 well-ventilated classrooms (including 6 ICT-enabled rooms) with wooden benches, and green non-reflective boards. These classrooms are designed to utilize natural sunlight effectively.
- Three classrooms are equipped with digital podiums; two of these also feature smart boards. Additionally, two classrooms have LCD touch screen panels.
- Projectors are installed in BISAG Hall and Conference Room, both equipped with facilities for SANDHAN – All Gujarat Integrated Classroom.

Laboratories:

- The college has 14 fully equipped laboratories with preparation rooms, ensuring high-quality practical aided learning. The labs include:
    - 2 Physics laboratories
    - 4 Chemistry laboratories
    - 3 Botany laboratories
    - 2 Zoology laboratories
    - 2 Microbiology laboratories
    - 1 Computer laboratory

Library:

- A spacious, automated library is available with separate reading areas, including a semi-open reading area on the first floor to encourage student learning.

LMS: MS teams, Google Classrooms, Google meet and YouTube are used for online teaching-learning.

B. Infrastructure for Co-curricular and Extra-curricular Activities

Cultural Activities:

- The college has two multipurpose halls and open spaces for cultural events. Dedicated activity rooms are available for students to practice various cultural programs.

Sports Activities:

- The college playground includes facilities for athletics, cricket, football, handball, kabaddi, volleyball, and more. A dedicated volleyball court and space for a badminton court are also available.
- Indoor games facilities include table tennis, chess, and carom. The Sports & Gymkhana Committee oversees these activities, providing necessary equipment and uniforms for student players participating at various levels.

Yoga Centre:

- The multipurpose hall also used as a yoga center, promoting physical and mental wellness for staff and students.

C. Dedicated Infrastructure and Facilities:

Administration Zones:

- The college has designated areas for the Principal's office, examination room, administration office, and ICT-enabled theatres. The administration office supports payments and financial control systems such as IFMS, PFMS, and state government portals like COGENT, SATHI, and GSWAN.

Dedicated Rooms:

- Separate rooms are available for sports, NSS unit, IQAC, Start-Up and Innovation, and a girls' room.

ICT Facilities and CCTV Surveillance:

- The college is Wi-Fi enabled with >80 MBPS internet speed, secured with 32 CCTV cameras. An ICT committee maintains and upgrades the ICT facilities.

Staffrooms:

- All academic departments have separate staff rooms equipped with necessary facilities.

Parking Area:

- There is a large, well-maintained parking area for two-wheelers and four-wheelers, available to students and staff members

Boys Hostel: For 90 students

Acomodation Facility: 10 Staff Quarters, 01 Rector Bunglow, 01 Principal's Bunglow

Fire Safety:

The college **premises** are equipped with fire safety measures, including over 100 fire extinguishers and a distributed fire line system.

Botanical Garden:

The botanical garden supports botany practicals and includes diverse collections of plants. It also has a large composting pit for plant waste management and supports the Eco Club's environmental conservation activities.

RO Drinking Water Facility and Solar Rooftop:

The college provides RO drinking water facilities and a solar rooftop system for power generation, along with LED and solar lights for energy conservation.

File Description	Document
Upload Additional information	[View Document](#)

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 29.1

4.1.2.1 **Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
0.0	17.69	5.57	137.59	2.11

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	[View Document](#)

4.2 Library as a Learning Resource

4.2.1

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

As an integral part of the educational ecosystem, the library of the college serves the needs of students and faculty members, providing informative resources and services.

Library Automation with Integrated Library Management System (ILMS)

Since June 2021, the college library is using SOUL 3.0. This software, designed specifically for university libraries, includes various modules to streamline library operations such as:

- **Cataloguing:** For efficient book entry and management.
- **Circulation:** Manages issuing and returning of books.
- **Online Public Access Catalog (OPAC):** Allows students and staff to search for books using different keywords.

Subscription to E-Resources:

To support the academic and research needs of its users, the library subscribes to the N-list for e-resources, providing access to a vast collection of e-books and journals since 2019. The Wi-Fi facility in the library further facilitates the use of these e-resources.

Collection of Physical Resources and Facilities:

The college library boasts a significant collection of resources, including:

- **Books:** A total of 11,090 books, encompassing textbooks, reference books, dictionaries, encyclopedias, fictions, and religious books.
- **Magazines and Periodicals:** 14 different magazines and periodicals.
- **Newspapers:** Subscriptions to 7 newspapers (4 Gujarati and 3 English)

- **Special Collections:** Over 350 books focused on competitive exams and a special collection of Swami Vivekananda's works.

The library's physical infrastructure includes a spacious reading room with a capacity for 60 students and an overall area of 800 square meters. This setup ensures a conducive environment for studying and referencing activities.

E-Resources and Online Access:

The library provides extensive access to leading Indian and international research journals and books in electronic formats through NLIST and INFLIBNET Centre. Additionally, the library maintains a dedicated website (embedded as webpage in college website) offering:

- **New Arrivals:** Information about the latest additions to the library's collection.
- **Library Activities:** Updates on ongoing and upcoming library events.
- **Book Search Facility:** An online tool for searching the library's catalog.
- **Open Educational Resources (OER):** Links to OER repositories for additional learning materials.

Usage and Borrowing:

The library's borrowing policies are designed to maximize resource utilization:

- **Students:** Can borrow up to 3 books for a period of 15 days.
- **Staff:** Can borrow up to 15 books for 6 months.

Footfall: On average, 2 to 3 faculty members and 55 to 60 students use the library daily for various academic purposes.

Annual Expenditure on Books and Journals:

Over the last five years, the college has consistently invested in expanding its library resources. The annual expenditure on books and journals is detailed below:

Sr. No	Year	No. of Books added	Total Book Price in Rupees
1	2018-19	259	40551.00
2	2019-20	316	140408.00
3	2020-21	116	168609.00
4	2021-22	271	41087.00
5	2022-23	202	67101.00
6	2023-24	281	46122.97

The library of the college, is a vital educational resource, continuously evolving to meet the needs of its users.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

The college continuously updates its IT infrastructure to support teaching-learning activities.

Sr. No.	IT Facility	Existed (Up to 2017)	Updated (After 2nd cycle of NAAC – 2017)	Total	Nature of Updation	Date of Updation
1	Smart Classroom	00	05	05	Number	-
2	Computer	50	26	76	Number	20/03/2019
3	Printer	15	20	35		22/02/2019
4	Photocopier	0	2	2		2020-21
5	Web camera	0	5	5		2020-21
6	Digital writing pad	0	5	5		2020-21
7	Multimedia Projector		05	05		
8	GSWAN Internet Connection (Wired)		GSWAN Band Width: 80 MBPS	-	-	-
9	NAMO Internet Connection (Wi-Fi)		NAMO Wi-Fi (Band Width: 7.5 MBPS	14 Access Points		-
10	JiO Internet Connection (Wi-Fi)		JiO (Band Width:			
11	SOUL	SOUL 2.0	SOUL3.0		Facility/Service	24/06/2021

12	Student Fee Payment Software					
13	MS Teams	0				
14	College Website	Active	Active			April 2024
15	CCTV Camera	28	0	28		28/01/2017
15	Others					

•

In addition to these college uses following updated portal services provided by State/Central Government for academic and administrative purposes.

1. IFMS
2. PFMS
3. COGENT
4. GeM
5. Placement Cell
6. Gujarat State Scholarship Portal

File Description	Document
Upload Additional information	[View Document](#)

4.3.2

Student – Computer ratio (Data for the latest completed academic year)

Response: 12.88

4.3.2.1 **Number of computers available for students usage during the latest completed academic year:**

Response: 76

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	[View Document](#)
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)

Response: 17.54

4.4.1.1 **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
30.02	41.54	16.45	7.61	2.60

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 38.32

5.1.1.1 **Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
436	436	567	670	438

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	[View Document](#)
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	[View Document](#)
Upload policy document of the HEI for award of scholarship and freeships.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

1. *Soft skills*
2. *Language and communication skills*
3. *Life skills (Yoga, physical fitness, health and hygiene)*
4. *ICT/computing skills*

Response: B. 3 of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	[View Document](#)
Report with photographs on ICT/computing skills enhancement programs	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 19.48

5.1.3.1 **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
250	370	354	276	45

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

1. **Implementation of guidelines of statutory/regulatory bodies**
2. **Organisation wide awareness and undertakings on policies with zero tolerance**
3. **Mechanisms for submission of online/offline students' grievances**
4. **Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	[View Document](#)
Proof related to Mechanisms for submission of online/offline students' grievances	[View Document](#)
Proof for Implementation of guidelines of statutory/regulatory bodies	[View Document](#)
Details of statutory/regulatory Committees (to be notified in institutional website also)	[View Document](#)
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 41.98

5.2.1.1 **Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
95	193	299	129	59

5.2.1.2 **Number of outgoing students year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
284	330	479	426	327

24-12-2024 10:29:18

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	**View Document**
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	**View Document**
Institutional data in the prescribed format	**View Document**
Provide Links for any other relevant document to support the claim (if any)	**View Document**

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 1.46

5.2.2.1 **Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)**

2022-23	2021-22	2020-21	2019-20	2018-19
7	4	1	2	1

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	**View Document**
Institutional data in the prescribed format	**View Document**

5.3 Student Participation and Activities

5.3.1

Number of awards/medals for outstanding performance in sports/ cultural activities at University /

state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 8

5.3.1.1 *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 wise during the last five years*

2022-23	2021-22	2020-21	2019-20	2018-19
5	1	0	1	1

File Description	Document
Upload supporting document	[View Document](#)
list and links to e-copies of award letters and certificates	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 25.6

5.3.2.1 **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
36	31	10	31	20

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.4 Alumni Engagement

5.4.1

There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

Government Science College Gandhinagar Alumni Association (GSCGAA) is not a registered association. However, its registration process is going on and withing few days, registration number will be availed.

This body seeks to organise activities that engage with students and staff of the college.

Alumni of chemistry department meets regularly and contributes to academic progress of the department.

Many of our teachers working in Chemistry Department, Zoology Department and Botany Department are notable alumni of the college. They contribute greatly to their respective department and college by sharing their experience of this college with students and motivating them for higher studies and to select teaching profession as a lucrative carrier option.

Many alumni of this college are members of IQAC and they share their valuable experiences to enhance quality assurance of the college.

The GSCGAA is very active and supportive to students and community. The association carry out various activities for the students such as giving carrier guidance lectures to encourage entrepreneurial mind-set of the students.

Strong Bonds are foster with the involvement of former students in the NSS residential camps and NSS activities.

GSCGAA also contributes financially by paying bills of different miscellaneous items such as laboratory chemicals, stationary items, plant materials, eco – club items etc.

File Description	Document
Upload Additional information	[View Document](#)

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

Governance and leadership of the College align with its vision and mission. It is evident through various practices that are embedded in both short-term and long-term plans of the Institution.

Governance and leadership in accordance with Vision and Mission:

- Providing higher education in science for last 53 years and produced thousands of Graduates, specialized in science who are serving the society.
- Environmental awareness through Eco-club and NSS activities.
- Maintaining existing infrastructure as well as planning to add new in near future as per the needs of NEP-2020.
- The College has developed required educational facilities to build the institute as an excellent center for the higher education in science.
- The College also offers some unique flag-ship programs/policies of state government to the students for their holistic development.

NEP 2020 Implementation:

- Implemented NEP-2020 as per the guidelines of Department of Education, GoG and Gujarat University – Ahmedabad.
- Faculties who are members of Board of Studies contributes in developing new syllabi in line with NEP-2020.
- Introduced new syllabi of FYBSc from the AY: 2023-24 as per NEP 2020.
- The incorporation of Core, Multidisciplinary/Interdisciplinary, Skill enhancement and Value-added courses will help to realise the vision and mission of the college.
- Academic Bank of Credits (ABC) facilitates flexible learning pathways, enabling students to benefit from multiple entry and exit points, thereby promoting lifelong learning.

Sustained Institutional Growth:

- Maintaining existing infrastructure and planning to add new in near future as per the needs of NEP-2020.
- E-governance is implemented in academic and administrative practices.
- Two new separate departments: Zoology and Statistics have been started.
- Purchased many scientific instruments, text books and reference books, chemicals, furniture and IT items for enhancement of science education.

- Strengthened skill and employability of students by offering Finishing School Training Program, UDISHA and Placement cell
- To nurture creative thoughts of students 'Innovation club' is started and SSIP [Student Startup and Innovation Policy] is also implemented.
- Enhancement of Eco-club and NSS activities have raised environmental awareness and social responsibilities among the students.
- Many teachers have participated in FDP and STC and have published good number of research papers.

Participatory Governance and Institutional Planning:

- Annual Staff-Club Meeting is organized at the start of each academic year to discuss and decide short-term and long-term plans.
- Short term plans such as annual academic activities, co-curricular and extra-curricular activities are finalized unanimously.
- Long term plans such maintenance and increment in institutional infrastructure, implementation of NEP-2020, appointment - promotion and CAS for staff etc., are finalized after the brain storming & feedback of all staff members.
- The Principal, IQAC members, and Heads of Departments form various academic and administrative committees that includes teachers, non-teaching staff and students as members.
- Chairpersons of various committees plan and implement their respective schedules and program, execute them throughout the year and submit annual reports at the end of the academic year.
- Student representation is done by involving meritorious students in key committees like the Student Representative Council (SRC), IQAC, CWDC, and Eco Club.
- Regular feedback is collected from students and other stakeholders to enhance the academic efficiency of the Institute.

File Description	Document
Upload Additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

Government Science College - Gandhinagar (GSCGNR) was established in 1970 and is managed by the Education Department - Government of Gujarat. The college is affiliated to Gujarat University, Ahmedabad.

Hierarchy of the College (organogram) includes Principal Secretary of the Education Department,

Director and Joint Directors of Higher Education, Principal, Teachers, Administrative staff, and Support staff.

The Administrative office of the College encompasses various branches like Establishment, Account, Student etc.

Under the headship of principal various Core committees, Academic committees, Committees for Co-curricular and Extra-curricular activities, Committees for Central and State Government funded schemes, are formed at the College level.

Among the Core committees, Administration committee including principal, heads of all department and registrar take vital decisions about perspective plans of the College. These decisions are then discussed with the IQAC for amendments about quality initiatives in the perspective plans. These perspective plans are shared with our higher authorities for effective implementation.

Main Perspective plans of the college include:

1. Maintenance and increment in the institutional infrastructure and development of eco-friendly campus
2. Regular appointment of teaching and non-teaching staff and their carrier advancement
3. Upgradation of the teaching – learning activities of the college
4. Implementation of NEP-2020 with emphasis on research, innovation, skill and entrepreneurship
5. Implementation of effective e-governance in academic and administrative practices.

For effective deployment of these perspective plans, administration committee and IQAC of the college worked on following attributes:

A. Policy Documents:

- Admission Policy (Gujarat University and GoG)
- Reservation Policy (GoG)
- Purchase Policy (GoG)
- E-governance Policy
- National Education Policy (NEP) - 2020
- Policy on green campus/plastic free campus
- Policy on environment and energy usage
- SSIP – Student Start up and Innovation Policy (GoG)

B. Administrative Setup:

- Hierarchy (organogram) - as discussed above
- Various committees at college level - as discussed above
- Administrative office set up – as discussed above

C. Appointment and Service Rules, and Procedures:

- **Recruitment:**

1. Class 1 and 2 officers appointed through GPSC selection.
2. Class 3 employees appointed by the Commissionerate of Schools via GSSSB.
3. Class 4 employees appointed by the District Education Office.

- **Service Rules:**

Governed by Gujarat Civil Service Rules 2002 and Service and Discipline Rules of 1971, covering service, salary, leave, pension, and other benefits.

CAS for teaching staff as per rules of rules and regulations of UGC.

- **Compliance:** Strict adherence to government norms for recruitment, promotion, and transfer.

D. Operational Procedures:

- All perspective plans are envisaged by administrative committee and IQAC
- Proposed objectives, budget, functionality, requirements and outcomes of perspective plans are placed to the Commissionerate of Higher Education and the Department of Education for approval.
- Once the approval is given from the higher authorities, required committees are formed that works in collaboration with administrative / office staff.
- Committees work for the perspective plan throughout the year and submit annual report to Principal and IQAC.
- Based on the analysis of the report further actions are taken to achieve the goal of completion of the plan.

File Description	Document
Upload Additional information	[View Document](#)
Institutional perspective Plan and deployment documents on the website	[View Document](#)

6.2.2

Institution implements e-governance in its operations

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	[View Document](#)
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)	

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

Performance Appraisal System:

Government Science College, Gandhinagar (GSCGNR), has established a robust performance appraisal system to ensure the continuous growth and development of both teaching and non-teaching staff. The college collects performance-based appraisal reports (PAR) from the staff at the end of each academic year. The principal meticulously reviews these reports for curricular, co-curricular and extra-curricular works done by staff and forward it to the Commissionerate of Higher Education (CHE), Gandhinagar for further processing while providing personalized feedback and interventions. This system fosters accountability, encourages professional development, and ensures that staff contributions align with the institution's goals.

A. Welfare Measures:

A1. For Teaching Staff:

- Teachers benefit from the Career Advancement Scheme (CAS), with promotions from incremental scales of Assistant Professor to Associate Professor on the basis of their performances in APAR and CAS file put up by them. Additional benefits include General Provident Fund (GPF) or National Pension System (NPS), group insurance, transport allowance, medical allowance, and gratuity.

- Employees are entitled to casual leave, earned leave, paternity leave, maternity leave, duty leave and medical leave as per state government, UGC, and university regulations.

A2. For Non-Teaching Staff:

- Non-teaching staff receive benefits such as Promotion, GPF or NPS, group insurance, transport allowance, medical allowance, festival bonuses, and medical reimbursement for themselves and their dependents. Gratuity and bonus festival advances further enhance their financial well-being.

- The institution provides various types of leave, including casual leave, earned leave, paternity leave, maternity leave, duty leave and medical leave, ensuring that staff can maintain a healthy work-life balance.

B. **Career Development/Progression:**

B1. For Teaching Staff:

- Teachers are motivated to participate in various professional development programs, including Orientation, Refresher courses, FDPs, and STCs. They are also encouraged to engage in higher studies and research activities.

- The CAS provides structured career advancement opportunities, promoting teachers from Assistant Professor to Associate Professor based on performance and years of service. API scores are calculated for higher scale and grade pay.

B2. For Non-Teaching Staff:

- Training and Skill Development: Non-teaching staff are provided with in-service training and required leaves to enhance their skills and professional capabilities.

C. Work environment

- Teaching and non-teaching staff are provided with personal computers equipped with high-speed internet, photocopier machines, storage facilities and staff rooms/cabins.

- The provision of modern office equipment, comfortable workspaces, and access to e-resources through the N-List facility ensures that staff can perform their duties efficiently and effectively.

File Description	Document
Upload Additional information	[View Document](#)

6.3.2

Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 0

6.3.2.1 **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
00	00	00	00	00

File Description	Document
Institutional data in the prescribed format	[View Document](#)

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 19.83

6.3.3.1 **Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP),** *Management Development Programmes (MDPs)* **professional development /administrative training programs during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
05	13	21	05	02

6.3.3.2 **Number of non-teaching staff year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
15	15	15	15	15

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Government Science College, Gandhinagar (GSCGNR), has established comprehensive strategies for the mobilization and optimal utilization of resources and funds. These strategies ensure that the institution effectively manages its resources and funds to support academic and administrative works adhering to government regulations and maintaining transparency through regular financial audits.

Mobilization of resources and funds

The IQAC committee plays a pivotal role in identifying the requirements for academic and infrastructural facilities across all departments. Based on these, the IQAC prepares a budget which help the college to submit proposals to various funding agencies, including the Commissionerate of Higher Education - GoG, Knowledge Consortium of Gujarat (KCG) - GoG and Rashtriya Uchchatar Shiksha Abhiyan (RUSA) – GoI. Placing proposals to these funding agencies results into availability of grants/funds for followings:

1. Salary, arrears, DA difference etc. for the teaching and non-teaching staff

2. Contingency (Light bill, telephone bill and other miscellenous expenses)

3. Maintenance of college building, hostel building, botanical garden etc.

4. Purchase of Books, Instruments, Sports Items etc.

5. Cleaning and Maintenance

6. Security and Manpower (out sourced)

7. SAPTDHARA

8. UDISHA

9. Finishing School Programme

10. Placement Fair

11. Innovation Club

12. Student Startup and Innovation (Uder SSIP)

13. Quality Assurance Cell (Under SQAC)

Optimal Utilization of Resources and Funds:

Once the college receives grants/funds from various agencies, brain storming is done by IQAC and head of various departments and committees, to finalize how the fund received will be utilized maximally for set goal. Then after, work orders/contract orders/purchase orders are issued to relevant agencies (as per government norms) to ensure that required items/goods/material/services of good quality will be available as quickly as possible, to the college at the lowest rate.

A purchase committee oversees procurement processes, ensuring adherence to guidelines provided by the Industries and Mines Department of Gujarat. Purchases are made through the Government e-Marketplace (GeM) portal, which guarantees competitive pricing and regulatory compliance.

After completion of work/services or receiving goods, quality check is done which culminates into payment as per government norms.

Being a government institution, GSCGNR strictly follows the rules and regulations regarding income and expenditure laid down by the government. Major financial transactions are conducted through cheques or Net-Banking, the Integrated Financial Management System (IFMS), and the Public Financial Management System (PFMS).

At the end of each financial year, the college submits utilization certificates for various grants or funds demonstrating transparency and accountability in fund usage.

Financial Audits:

GSCGNR conducts both internal and external audits regularly to maintain financial integrity. Internal

audits are conducted by a Chartered Accountant as well as Accountant of Commissionerate of Higher Education – GoG (Departmental Audit). External Audit is conducted by office of the Accountant General (A & E) Rajkot, Gujarat. These audits cover all financial transactions, ensuring that they are executed correctly and efficiently.

File Description	Document
Upload Additional information	[View Document](#)

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

The Internal Quality Assurance Cell (IQAC) at Government Science College, Gandhinagar (GSCGNR), has played a pivotal role in institutionalizing quality assurance strategies and processes. Through comprehensive planning, meticulous execution, and continuous review, the IQAC ensures the college maintains high standards in all aspects of its functioning. The following points highlight the significant contributions of the IQAC in enhancing the institution's quality assurance mechanisms.

Finalizing Perspective Plans of The College:

1. Maintenance and increment in the institutional infrastructure and development of eco-friendly campus
2. Regular appointment of teaching and non-teaching staff and their carrier advancement
3. Upgradation of the teaching – learning activities of the college
4. Implementation of NEP-2020 with emphasis on research, innovation, skill and entrepreneurship
5. Implementation of effective e-governance in academic and administrative practices.

Preparing Policy Documents for College:

1. Code of Conducts and Professional Ethics
2. E-governance Policy
3. Policy on green campus/plastic free campus
4. Policy on environment and energy usage

Constituting College Committees:

The IQAC adopts and implements strategies across key areas such as curriculum development, teaching-learning, examination and evaluation, and research and development. To institutionalize these strategies, the IQAC helps to forms different committees and ensures they function through well-established mechanisms. These committees are tasked with preparing action plans for the year and submitting a report at the end of the year.

Comprehensive Review of Teaching-Learning Process:

The IQAC periodically reviews the teaching-learning process by helping to finalize general time table of the college, reviewing pass percentage of students every year, inspiring faculty members to complete FDP/STC/Refresher courses and getting regular feedbacks from students and teachers.

Maintenance of educational infrastructure including classrooms, laboratories, library, ICT facilities etc. is regularly monitored by IQAC and Infrastructure Committee. IQAC also look for various teaching methodologies develops by teachers. It also inspires teachers for online teaching though various digital platforms such as MS Teams, Google Class Rooms and YouTube etc.

The IQAC helps to execute mechanisms for attainment of Program Outcome (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) related to all offered courses. It helps to finalize mechanisms to support both; slow learners and advanced learners. Additionally, the IQAC reviews student's performance in university examination by analysing results at the end of each semester. This analysis helps improving teaching-learning strategies.

Promotion of Research and Innovation:

By encouraging and supporting faculty members to contribute to the knowledge pool through research publications, the IQAC has facilitated a significant increase in research output. Throughout the year, teaching staff have published numerous research papers and book chapters, enhancing the academic profile of the college. Helping to implement properly the Student Startup and Innovation Policy (SSIP) and establishing Innovation Club gave boost to the budding innovation ecosystem of the college.

Preparation of Annual Quality Assurance Report (AQAR):

The IQAC diligently reviews and submits the Annual Quality Assurance Report (AQAR), ensuring that the college's quality assurance measures are documented and communicated to the relevant authorities.

File Description	Document
Upload Additional information	[View Document](#)

6.5.2

Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
2. **Academic and Administrative Audit (AAA) and follow-up action taken**
3. **Collaborative quality initiatives with other institution(s)**
4. **Participation in NIRF and other recognized rankings**
5. **Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	[View Document](#)
NIRF report, AAA report and details on follow up actions	[View Document](#)
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	[View Document](#)
Link to Minute of IQAC meetings, hosted on HEI website	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

Gender Audit (Internal) of the college is carried out annually, by the members of Collegiate Woman's Development Cell.

Following measures are taken by the college for promotion of gender equity, during last five years.

1. Equal Opportunities:

The college ensures equal rights and opportunities for men and women across all groups including students, teaching staff, and non-teaching staff. This commitment is evident in the student admissions process and staff recruitment process.

2. Reservation of Post for Women and Leave Rules:

Department of Education provides 33% reservation for women in teaching and non-teaching post as per rules of Government of Gujarat.

Maternity Leave, Child Adoption Leave, leave in case of miscarriage or abortion etc. are granted to all women staff as per rules of Government of Gujarat.

3. Financial Support for Female Students:

To make higher education more accessible, the college waives tuition fees for female students, encouraging affordable education.

4. Inclusive Programs and Activities:

Both genders have equal access to academic programs, laboratory facilities, library, co-curricular and extracurricular activities as well as support services.

Both genders can enroll and participate in the National Cadet Corps (NCC) and National Service Scheme (NSS) programs which help develop essential life skills like leadership and teamwork.

5. Inclusive Cultural and Sport Activities:

The Saptdhara unit offers equal opportunities for boys and girls to showcase their talents in cultural activities, such as dance, singing, essay writing etc., helping build confidence and reduce stage fear.

The college provides equal opportunities for all students to participate in sports, promoting physical and mental well-being.

6. Participation in Governance:

Both genders have equal rights to be members of various bodies such as the Student Union / Student Representative Council (SRC), Internal Quality Assurance Cell (IQAC), and Alumni Association, enabling their contributions to college's development.

7. Gender Sensitization Activities:

CWDC organizes activities like the "Beti Bachao - Beti Padhao" campaign, seminars on girls' education, and awareness programs on women's safety laws, fostering social responsibility and personal growth.

8. Life Skills Training and Placement:

Both genders can participate equally in the Finishing School Training Program, focusing on life skills and spoken English. Female students are also encouraged to join UDISHA placement programs, ensuring equal participation in job placements.

9. Entrepreneurship Training:

The Eco Club conducted a workshop on "Fruit and Vegetable Preservation," providing stipends and entrepreneurship training to female students, fostering their entrepreneurial skills.

10 Facilities for Women:

The college provides a separate ladies' room, a designated parking area for female students and five washrooms for women. Additionally, the ladies' room is equipped with a first-aid kit, glucose powder for instant energy and facilities for distributing sanitary napkins at a token rate. In case of medical emergency, 108 Ambulance is called.

To ensure a safe environment, the college has established a Discipline Committee and an Anti-Sexual Harassment Committee and employs security guards and CCTV cameras.

These comprehensive measures highlight the strong commitment of college to promote gender equity and create an inclusive environment where all students and staff can thrive.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

7.1.2

The Institution has facilities and initiatives for

1. **Alternate sources of energy and energy conservation measures**
2. **Management of the various types of degradable and nondegradable waste**
3. **Water conservation**
4. **Green campus initiatives**
5. **Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	[View Document](#)
Geo-tagged photographs/videos of the facilities.	[View Document](#)
Circulars and report of activities for the implementation of the initiatives document	[View Document](#)
Bills for the purchase of equipment's for the facilities created under this metric	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. **Green audit / Environment audit**
2. **Energy audit**
3. **Clean and green campus initiatives**
4. **Beyond the campus environmental promotion activities**

Response: B. Any 3 of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	[View Document](#)
Policy document on environment and energy usage Certificate from the auditing agency	[View Document](#)
Green audit/environmental audit report from recognized bodies	[View Document](#)
Certificates of the awards received from recognized agency (if any).	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

Government Science College - Gandhinagar, located in the capital of Gujarat strives to cultivate inclusivity by embracing diversified backgrounds of students, teachers and non-teaching staff. Students originated from diverse geographical areas like Kutch, Saurashtra, Central, North and South Gujarat, takes admission into the college. This encourages the use of different languages such as Gujarati, Hindi, English, Sindhi and Kutchi, thereby fostering a vibrant mixture of linguistic and regional diversity within the campus community. This promotes inclusive educational environment that celebrate harmony among linguistic and cultural differences.

College ensures equal opportunities to every student, irrespective of their communal or socioeconomic status. Admission policies include reserved seats for students of SC, ST, OBC and EWS category, granting equitable access to education. Additionally, different scholarships sponsored by state and central government are available for economically disadvantaged students, further facilitating their abilities to pursue higher education.

The college has several dynamic committees, cells and councils including Saptdhara, UDISHA, Eco Club, Finishing School, and Collegiate Women Development Cell (CWDC) along with an active Students Representative Council (SRC). Together, they organize various cultural and educational programs that celebrate the diversity among students, promoting inclusivity.

Staff recruitment policies of the state government help recruit persons of General, SC, ST and OBC category. This inclusivity generates socioeconomic diversity of staff members in the college. Additionally, the college has a SC, ST, OBC and Minority Cell which resolves any issues if raised by

students or staff members belongs to this category or religion.

Thus, college provides an inclusive environment to its students and staff members that promotes harmonious academic and administrative practices in the campus.

The college place significant emphasis on sensitizing both students and employees to constitutional obligations. Understanding the importance of inculcating a profound comprehension of values, rights, duties, and responsibilities in citizens, the college implements a range of initiatives. These included awareness programme, seminars, and lectures for students and employees focusing on fundamental constitutional values namely justice, liberty, equality and fraternity. Additionally, college organizes various activities for students namely constitution day celebration, celebration of Republic Day and Independence Day, Mock parliament, POCSO ACT awareness programme, voting awareness programme, Legal education camp, Children's right and social justice to facilitate active engagement of students with constitutional principles.

An active Student Representative Council (SRC) allows students to practice democratic values and decision-making within the college framework. The college also stresses the importance of maintaining these values in all interactions, whether with students, colleagues, or the community. The college has prepared its well-defined documents of fundamental duties of Indian citizen, code of conduct for students and staff, as well as code of professional ethics for teachers and principal. All members of the college community abide to these codes. These efforts empower students and employees to become informed and responsible citizens, contributing positively to society. and upholding the principles of the Indian Constitution.

Ultimately, the college aims to develop socially responsible individuals who actively contribute to the nation's progress while upholding democratic principles and justice.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

7.2 Best Practices

7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

Best Practice 1: Social services through National Service Scheme (NSS)

Best Practice 2: Finishing School: Nurturing Soft Skills for Holistic Development of Students

Best Practice 3: Environmental awareness through Eco Club activities

File Description	Document
Best practices as hosted on the Institutional website	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Institutional Distinctiveness

Government Science College - Gandhinagar (GSCGNR) was established in 1970 and is managed by the Education Department - Government of Gujarat. The College is headed by the Principal (GES, Class-I) who earlier also served as Joint Director at Commissionerate of Higher Education, Gandhinagar, Gujarat.

The college is affiliated to Gujarat University, Ahmedabad and provides access to academic excellence and offers all-round development of students belonging all sections of the society irrespective of gender, caste, creed, religion and socio-economic status.

GSCGNR is the only Government College (Affiliated, UG) of Gandhinagar District offering higher education in science stream. The college is located near the heart (Mahatma Mandir - the convention and exhibition center developed by Government of Gujarat) of Gandhinagar City - the Clean and Green Capital of Gujarat.

The college is having a huge Eco-friendly campus (Area: 199064.87 m2) serving as habitat for diversified flora and fauna.

The college is having highly qualified teaching staff. More than 80% of teaching staff are having Ph.D. as their highest qualification. All teaching staff members are selected by Gujarat Public Service Commission (GPSC) and appointed as GES (Gujarat Education Services) Class-II, College Branch officers.

The college offers some unique flag-ship programs/policies of state government to the students, such as (1) Finishing School Training Program, (2) UDISHA [Universal Development of Integrated employability Skills through Higher education Agencies], (3) Placement cell, (4) Innovation club, (5)

SSIP [Student Startup and Innovation Policy], (6) SAPTDHARA etc.

The college uses various software and web portals for academic and administrative activities. For example: (1) Cogent Portal, (2) Sathi software (3) Soul 2.0 software (4) E-Sarkar portal (5) IFMS and PFMS portal (6) Placement Portal (7) Karma yogi portal for PAR [Performance Appraisal Report], (6) Software for fees collection etc.

The college strictly follows purchase policy prepared by the state government and purchase all its required items online through Government-e-Marketplace (GeM) portal.

Followings are the areas in which college stands out as unique within the time period of last five academic years.

A. Academic excellence

Government Science College – Gandhinagar is well known for its teaching – learning activities. Highly qualitied teaching staff members of the college, remains dedicated to their teaching activities and their academic efforts are reflected in the number of students who won gold medals in Gujarat University examinations.

1. **AY 2018-19:** Gold Medal was awarded to a final year student of **Microbiology Department** for getting highest marks in external examination conducted by Gujarat University.
2. **AY 2019-20:** Gold Medal was awarded to a final year student of **Botany Department** for getting highest marks in external examination conducted by Gujarat University.
3. **AY 2020-21:** Gold Medal was awarded separately to a final year student of **Physics, Botany** and **Microbiology** department for getting highest marks in external examination conducted by Gujarat University. Thus total **03 Gold Medals** have been awarded.
4. **AY 2021-22:** Gold Medal was awarded separately to a final year student of **Zoology and Physics** department for getting highest marks in external examination conducted by Gujarat University. Thus total **02 Gold Medals** have been awarded.
5. **AY 2022-23:** Gold Medal was awarded separately to a final year student of **Physics and Microbiology** department for getting highest marks in external examination conducted by Gujarat University. Thus total **02 Gold Medals** have been awarded.

Thus total **09 (Nine) students of the college have won gold medal** in the Gujarat University examination within last five academic years.

B. Social services and extension activities

Government Science College – Gandhinagar offers NSS program to inculcate sense of social service and social responsibility by engaging students with community and helping both to develop holistically. NSS unit of the college, had organized **04** Camps and more than **40** social activities/programs in nearby communities during last five years. Followings are some unique programs:

1. AY 2018-19: Youth Empowerment

The NSS unit in collaboration of IITE (Indian Institute of Teacher's Education) has successfully organized Gandhinagar District Youth Parliament on 28/01/2019 in which 47 students have participated and expressed their views about health of Indian economics, Terrorism, Khelo India program, Climate change etc. Top 5 students (winners) have been screened out and awarded, while Top 3 students have been referred for state level youth parliament program. Minister of State Shri Ramanlal Patkar, MLA Shri Ashokbhai Patel other dignitaries graced the program. Leadership quality, the power of oratory and communication skills were observed in the budding representatives of people. 'Parliament for People' was envisaged.

2. AY 2019-20: Cleanliness Drive

The NSS unit has successfully organized **Swachh Bharat Summer Internship: 2019** program of one week duration, in which **45** students participated. Visible cleanliness activities were conducted by students in Government Boys Hostel and Fatepura Village of Gandhinagar District. Dustbin making program and Drama on Cleanliness theme generated substantial awareness about cleanliness, among participants.

3. State and National awards

State and Central Governments have identified the positive impacts of social activities carried out by NSS unit and awarded the program officer and the unit both.

State level award for best NSS program office (Year 2017-18) has been given to **Dr. U. P. Tarpada.**

National award for best NSS program officer (Year 2019-20) has been given to **Dr. U. P. Tarpada** and for the best NSS unit has been given to the **Dr. M. G. Bhatt**, Principal, Government Science College Gandhinagar, by the then President of India, **Shri Ram Nath Kovind**.

Thus **01(One)** state level award and **02 (Two)** national awards have been given to the college.

C. Awards in Competitions of Sports and Cultural Activities

Total **08 (Eight) students of the college have won certificate or medal** for giving best performance in university/state/national level competitions of sports or cultural activities.

File Description	Document
Appropriate web in the Institutional website	[View Document](#)

5. CONCLUSION

Additional Information :

The college is advised and guided by Knowledge Consortium of Gujarat (KCG) - Department of Education, Government of Gujarat for implementation of various flagship prgograms and policies of the state government, prepared for holistic development of students.

Concluding Remarks :

Government Science College - Gandhinagar has been providing the higher education in science to all for last five decades. The vision & mission are being fulfilled and realized as the college is now presenting itself for the third cycle of accreditation to NAAC.

College has been responsive to the changing demands of society. Implementation of NEP-2020 policy and SSIP (Student Start-up and Innovation Policy), increased use of ICT in academic and administrative processes, procurements of good number of latest laboratory instruments for scientific experiments etc., will make the academic future of the college bright. In the near future, college will start on-line and on-demand higher education in the field of basic and applied sciences as well.

The highly qualified and experienced teaching staff, availability of basic infrastructure for higher education in science, excellent results, 09 (nine) Gold medal winners at the university examination, good record of students' progression to higher education are indicators of quality higher education that is offered by the Institution.

For the very long period of time, the college has been successfully running time-tested central government schemes namely NCC (National Cadet Corps) and NSS (National Service Scheme). This is expressed in wining national awards for best NSS unit and best NSS program officer certifies our sincere community services.

Being a part of Government of Gujarat, the College is also an active contributor to various flagship programs and academic initiatives of the state government such as Finishing School Training Program, UDISHA [Universal Development of Integrated employability Skills through Higher education Agencies], Placement cell, Innovation club and SAPTADHARA etc.

The College expresses its commitment that it will always strive to achieve the elevated goals of the higher education in science for all.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.3.2	**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)** 1.3.2.1. **Number of students undertaking project work/field work / internships** Answer before DVV Verification : 146 Answer after DVV Verification: 144 Remark : As per clarification received from HEI, thus DVV input is recommended.
2.4.1	**Percentage of full-time teachers against sanctioned posts during the last five years** 2.4.1.1. **Number of sanctioned posts year wise during the last five years** Answer before DVV Verification: <table><tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr><tr><td>48</td><td>48</td><td>43</td><td>43</td><td>49</td></tr></table> Answer After DVV Verification : <table><tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr><tr><td>43</td><td>43</td><td>40</td><td>40</td><td>43</td></tr></table> Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.
3.3.1	**Number of research papers published per teacher in the Journals notified on UGC care list during the last five years** 3.3.1.1. **Number of research papers in the Journals notified on UGC CARE list year wise during the last five years** Answer before DVV Verification: <table><tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr><tr><td>16</td><td>11</td><td>08</td><td>04</td><td>05</td></tr></table> Answer After DVV Verification : <table><tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr><tr><td>01</td><td>00</td><td>00</td><td>01</td><td>01</td></tr></table> Remark : As per clarification received from HEI, and current UGC care listed entries to be considered, thus DVV input is recommended.

3.3.2	**Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**
	3.3.2.1. **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
05	03	01	00	02

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
08	01	00	00	02

Remark : As per clarification received from HEI, thus DVV input is recommended.

3.4.3	*Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.*
	3.4.3.1. **Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
64	45	27	53	27

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
44	26	10	15	14

Remark : As per clarification received from HEI, thus DVV input is recommended.

4.1.2	*Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years*
	4.1.2.1. **Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
0	227	0	100	0

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
0.0	17.69	5.57	137.59	2.11

Remark : As per clarification received from HEI, thus DVV input is recommended.

| 4.4.1 | *Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)* |

4.4.1.1. **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
72.04246	41.5461509	36.45424	37.61089	6.6069

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
30.02	41.54	16.45	7.61	2.60

Remark : As per clarification received from HEI, thus DVV input is recommended.

| 5.2.1 | **Percentage of placement of outgoing students and students progressing to higher education during the last five years** |

5.2.1.1. **Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
95	193	299	129	59

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
95	193	299	129	59

5.2.1.2. **Number of outgoing students year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
284	331	479	406	304

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
284	330	479	426	327

Remark : As per clarification received from HEI, thus DVV input is recommended.

2.Extended Profile Deviations

ID	Extended Questions
1.1	**Number of teaching staff / full time teachers during the last five years (Without repeat count):** Answer before DVV Verification : 57 Answer after DVV Verification : 54
1.2	**Number of teaching staff / full time teachers year wise during the last five years** Answer before DVV Verification: 2022-23 / 2021-22 / 2020-21 / 2019-20 / 2018-19 42 / 38 / 32 / 32 / 31 Answer After DVV Verification: 2022-23 / 2021-22 / 2020-21 / 2019-20 / 2018-19 39 / 34 / 28 / 28 / 28
2.1	**Expenditure excluding salary component year wise during the last five years (INR in lakhs)** Answer before DVV Verification: 2022-23 / 2021-22 / 2020-21 / 2019-20 / 2018-19 72.04246 / 268.5461509 / 36.45424 / 137.61089 / 6.6069 Answer After DVV Verification: 2022-23 / 2021-22 / 2020-21 / 2019-20 / 2018-19 77.04 / 277.48 / 36.45424 / 161.53 / 7.45

For question 1.2:

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
42	38	32	32	31

Answer After DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
39	34	28	28	28

For question 2.1:

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
72.04246	268.5461509	36.45424	137.61089	6.6069

Answer After DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
77.04	277.48	36.45424	161.53	7.45