

Shri P.H.G.Municipal Arts & Science College.
(Grant in Aid College)
Opp. Rotary Club, Ambica Highway, Kalol (N.G.) – 382721, Gujarat
[INDIA]

(Affiliated to Gujarat University, Ahmedabad)

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Managed by :

Kalol Taluka Kelwani Mandal

Kalol



**Self Study Report, September 2014
For Re-Accreditation**

[2nd Cycle]

FOR

AFFILIATED COLLEGES

Submitted to

National Assessment & Accreditation Council

Bangalore

Preface

Gujarat is one of the progressive states in India, divided into 33 districts. Gandhinagar district of Gujarat state is one of the semi urban as well as rural areas. The population of the district is mostly rural, and a majority of the district students are coming from socioeconomically backward segment. Gandhinagar district also has the population of people from Thakore, Patel, Kshatriya, Brahmins, and section of people from minority communities.

In Gandhinagar district, ours is the only grant-in-aid Arts and Science college imparting education of Science and Humanities to more than 1600(approx) students every year. Students from ST, SC, minority and other backward classes are financially supported with Government scholarship.

It is indeed a matter of pride and pleasure to submit the reaccreditation report of the institution to the National Assessment and Accreditation Council. Our first assessment by NAAC in 2008 gave us an opportunity to peep within.

To become aware of our potentials and our weaknesses, during these five years, we have made an honest effort to achieve better standards in all fields, such as academic, administrative, infrastructural, extracurricular and co-curricular activities. This report is a humble attempt to reflect these improvements. The previous NAAC peer team suggestions and recommendations were valuable for progress. Most of these suggestions and recommendations have been implemented by the college.

When we started to prepare this report, the task seemed to be a herculean one but now it becomes possible due to the hard work put forth by all the individuals of our institution. I appreciate all the individuals for investing their time, energy and creativity to produce this significant document. I hope that this report will fulfill the expectations of NAAC and the peer team will appreciate and justify our sincere endeavour.

Place: Kalol (N.G)
Date: 20/09 /2014

(Dr. K.C.Deshmukh)
Principal
Shri P.H.G.Muni. Arts & Science College Kalol

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Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



Part – A
Executive Summary



Executive Summary

Shri P.H.G.Muni.Arts & Science college has been providing education of science and humanities economically backward, SC/ST/OBC and minority students along with students of creamy and open class category since 1963. The college continues its fifty years journey of academic excellence in imparting quality higher education by responding to academic and administrative challenges. In the preparations for its 2nd cycle of reaccreditation the college made the self- study report, evaluating in terms of sustenance and enhancement and it has continued improvement of the college in the past five years.

Criterion – I : Curricular Aspects:

For the last fifty years the institution offers graduation programmes in Chemistry and Microbiology in B.Sc and B.A Graduation in English, Gujarati, Sanskrit, History, Economics and Psychology. The 50 years of Kalol Arts and Science College gives further scope and energy for continued, dynamism in higher education curricular. Initially the institution has set up its own objective mission and vision along with goals and to put the same into practices, the institution has been endeavoring constantly.

The institution has a well defined plan for curricular implementation. The basic task of developing curriculum is done by the affiliating Gujarat University, Ahmedabad. The institution frames action plans for effective implementation of curriculum through a timetable committee. Almost all faculty members of the institution are directly or indirectly involved in the process of designing the curriculum, and some of the faculty members are the members of Board of Studies. Some faculty members gave the suggestions for curriculum design according to local and industrial demands.

The college offers certificate, diploma and degree courses through BAOU, an open university centre in college premises.

To improve fluency in English the institution runs SCOPE and DIGITAL EDUCATION AND LEARNING LABORATORY for all the students in the premises as well as students from other institutions also. The CBCS semester system has been implemented from the academic year 2011-12.

The institution monitors and evaluates the quality of its enrichment programmes through the overall analysis of the feedback from the students and through university results. At the end of every academic year, the academic audit of each department is conducted by the respective HOD and the overall audit of the institution is done by the Principal and IQAC coordinator.

Criterion-II : Teaching, Learning and Evaluation

The teaching, learning and assessment strategies of the institution are devised in such a way as to encourage the students for achieving goals. The students are provided several opportunities to augment their potential for the development of prudence, skill, stewardship, moral value and culture through its multifaceted curricular and co-curricular activities. The college makes maximum effort for the overall development of students to face global challenges of 21st century and be proud citizens of India.

The entry of freshers into the college is made comfortable through, well-administered admission process. Separate admission committee is formulated by the institution for transparency in admission process. Admissions are carried out according to the norms of affiliating university. The criterion for admission is First come first basis in B.A. where as in B.Sc the admissions are allotted on the merit basis.

There is a remarkable increase in the number of students seeking admission in semester – I (B.Sc./B.A. program) for the last 2 to 3 years. It is the motto of our management that no student of ST,SC, minority and OBC categories or belonging to any cadre or caste is deprived of his/her right of higher education. and that is why our management permitted the admission of students of one complete division at semester – I level from the year 2013-14.

Faculty recruitment process is according to the Gujarat Government policy. But if no N.O.C. is granted by the education department of Gujarat state for the vacant posts of teaching and non teaching staff in the institution, our management

appoints teaching, administrative, and laboratory staff. The remuneration expenditure of these staff are borne by the management. 100% course is completed by every faculty member, extra classes are taken if need arises. Remedial coaching classes are conducted for ST, SC, minority and OBC students.

With the introduction of CBCS from 2011 -12 semester system has also been implemented. In this system, according to Gujarat University, weightage of external evaluation is 70% and, weightage of internal evaluation is 30%.

For continuous internal evaluation weightages are as below:

Mid-semester exam	:	15%
Seminar/quiz	:	05%
Attendance	:	05% and
Writing assignment	:	05%

So, the student remains studious throughout the semester with his/her personality development.

The academic session is planned in accordance with the academic calendar. The formation of students council is according to the merit of marks. The members of student council are appointed in the various college committees. Learning is made students centric by adopting variations in teaching methods. The library and laboratories are well equipped for enhanced teaching and learning. In addition to general library, some of the the departments have the departmental library. The college library is registered with KOHA and is enriched with subjective CDs, number of subjective books, text books, reference books, journals and magazines. The laboratories and the common science instruments are well equipped. Teachers provide a variety of learning experiences including individual and collaborative learning. The institution extends full support for the professional development of the faculty members by encouraging them to attend refresher and orientation programmes, national and international conferences, seminars, workshops, various skill and personality development programmes organized by other institutes, universities and research institutes.

The grievances redressal mechanism (rechecking/reassessment of answer sheets, etc.) and feedbacks from the students and other stakeholders contribute a lot for the improvement of our evaluation system.

Criterion – III : Research, Consultancy and Extension:

Since teaching, research and extension are the three major dimensions of higher education, the college promotes research culture among the faculty and students through consultancy and collaboration.

The institution plays an important role for creating and promoting the research culture and also believes that institution can become a centre of academic excellence only when research culture exists amongst faculty members and the students. Gujarat University has recognised very few research centres and this institution is one of them. In spite of being situated in rural area, our institute has got an excellent research output. There are 07 Ph.D. guides and 01 M.Phil guides in our college. They are two in Microbiology, two in Chemistry and one in Biology, Sanskrit and Psychology each.

At present 05 minor research projects had been completed during the journey of last 10 years and two research projects are going on. More than 50 research papers had been published by faculty members of Chemistry, Physics, Biology and other Arts departments. The college professors have actively participated, in the three day workshop on “Promotion of Culture of Quality Through Research” on Sept-2012. As the outcome of arranged workshop, UGC had sanctioned two minor research projects of the college. Two faculty members of the college are rendering their services as member and reviewer or evaluator of research articles / papers at national and international journals. 07 faculties took training in ICT and research methodology work shop.

The extension programs namely NSS, Red Ribbon Club, Rotary Club, JIC , offer a wide variety of programmes for the students. All these activities are performed in co-ordination with other academic and social organization. The institution has organized several programmes such as traffic awareness, blood donation, Thalassemia test, health awareness, eye-camp, Yoga, Tree plantation, Aids awareness. Rakshabandhan day has been recently celebrated with the police force. The college organizes and celebrates teacher’s day on 5th sept, on this day all the teaching and administrative activities of the college as well as Garba festival during Navratri, are performed by the students. On the Gurupurnima Day, the college provides all the detailed information regarding curricular, co-curricular,

extracurricular, N.S.S. and various Saptdhara activities to the newly admitted students. On this day the head of the institution also explains the rules and regulation in detail, achievements, students union formation, college and university examination method, type of grievances, availability of the scholarship etc. G.K. Test is held every year on this day and 10 to 15 bright students are felicitated for their performance in this test. We have carried out successfully Soil Health Card programme with the collaboration of agriculture department of Gujarat state under the guidance of Commissioner of Higher Education, Gujarat Government.

Criterion-IV : Infrastructure and Learning Resources:

The college has the infrastructure consistence with the academic development. The infrastructure is considered as the most effective and efficient need to conduct academic program. The college has 9.52 acres campus area and very big ground alongwith the main college building which holds the basic infrastructural facilities of the college. There are adequate 19 classrooms and five laboratories with one research lab for UG and research work. We have one ladies room with attached bathroom facilities. We have large open ground for outdoor sports. Interactive board, Xerox photocopier, LCD, mike facilities , cordless phone, OHP, Charts, Models etc. are available in the college.

The college library is centrally located, which is spacious and well organized. To make library user friendly, it provides many e-library facilities to the college students as well as to the staff. The college library has KOHA software facility and is equipped with more than 30,000 books, reference books, text books, encyclopedia, periodicals, journals, magazines etc. The infrastructure of college is managed and maintained on regular basis.

Criterion – V : Student support and progression:

The institution is situated at highway location providing science education up to UG to poor SC, ST, OBC and minority students. At present more than 40 % students of the college belong to SC, ST, OBC and minority categories and same was the trend during the last four years. The institution provides calm and peaceful atmosphere in the green environment to the students. The institution provides the flow of knowledge by its expert faculty members to create highly skilled, cultured, spiritual and research oriented students having high moral value citizen of the state and India. The student council representatives act as a link between the students,

college and management, it also looks after students' welfare through various programs.

Gujarat Government scholarships are available to SC,ST,OBC, Minority and physically handicapped students of this college. Government of Gujarat has provided scholarship of Rs 14,710/- to ST students, Rs 52,92,081/- to SC students, Rs 25,54,137/- to OBC students and Rs 1,27,500/- to Physically handicapped students of the college during last five years.Total amount of scholarship disbursed is Rs. 79,88,678/- to the needy students.

The institution conducts remedial coaching for the slow learners, SC, ST adivasi, economically backward and physically handicapped students. They are also provided the training programme for the preparation of various entry level civil services and academic examinations. The SC, ST,OBC and adivasi students are generally poor in English and in computer literacy. Some training programmes are arranged through Digital Education & Learning Laboratory .

The institution has organized various extra curricular activities under Swarnim Gujarat Saptdhara programmes. The institution has grievances redressal cell, discipline, anti ragging and CWDC cells for the better support to the students. Students' grievances redressal mechanism is implemented at the department and at the college level, it is perceived that its functioning is not addressing all the grievances. Therefore the college is planning to implement e-grievances shortly. The career guidance and "Universal Development of Integrated Employability Skills through Higher Education Agency " (UDISHA) programmes were carried out in the institution for the student placement. The students are encouraged to participate in various activities held by institution and university. The career guidance cell arranges campus interviews in the institution and send the list of qualified students is given to different companies where their requirement for placement arises.

The college has non registered alumni association, and they are the potential resources for the growth of the college. The College collects feedback from students at the end of every academic year, for improving the performance and quality of education. The transformational changes experienced by the students from their entry level to exit level stands as a proof of the excellent student support offered by the college.

Criterion – VI : Governance, Leadership and management:

The college has a rich tradition of visionary and transformational leadership which has driven the institution towards the outstanding growth and development that it experiences nowadays. The institution has formally stated policy developed by governing body, devised and reviewed by top management. The students and staff members are involved in various committees of the college. The involvement of staff and students in various committees (except few committees) means the decentralization of institution organizational system. The performances of various committees are evaluated by the top leadership from time to time. To build leadership at student level the student representatives are encouraged to handle some co-curricular and extra curricular activities. Thus, good governance means decentralization of various responsibilities and duties among the faculty members and some other stakeholders. This is the strong belief of top management. The management includes the trustees, president, secretary, convener, principal and IQAC co-ordinator. The top management looks after all the activities of the institution and provides necessary suggestions to execute all the institutional activities. Thus the college is dedicated to make future citizens responsible in holding and leading humanity on a global platform by providing greater opportunities to students, to augment their potential for development of prudence, skill, stewardship, moral values and culture through its curricular, co-curricular, extension consultancy and research activities

The management does not interfere in college unless it is highly required. Enough autonomy is provided within rules to the college Principal for its better functioning even principal does the same with his staff. College employees' credit society was established in 24/09/1969-ARTS and SCIENCE Employee's. It provides the loan for Computers Laptop, food grains, to construct or renovate the house, for furniture, for vehicles etc. to the staff members of college. The maximum loan amount limits to RS,-5,00,000/-.

Criterion – VII : Innovations and best practices :

During last five years the institution had performed many practices and it is very difficult to decide which practice is the best practice. In fact the principal and the staff members have performed every practices with their maximum efficiency and done their utmost to make it best. However, as per requirement the institution has given priority to (I) Swarnim Gujarat Saptdhara cultural activities, promotion of research (II-A) and Soil Health Card, A Social Responsibility Programme (II-B). The institution has organized many awareness programmes such as social, cultural, gender, health awareness, elocutions, Teacher's day celebration, Essay writing, Sex education, Rangoli, Mahendi competition, Poster making competition, community services, Soil health card program, tree plantation, research activity etc. in addition to the regular teaching.

Due to excellent and outstanding performance in innovative activities for Swarnim Gujarat Saptdhara Programm, Commissioner of Higher Education Dr.(Smt.) Jayanti Ravi has appointed our principal Dr.K.C.Deshmukh as a District Coordinator, and as member of some "AAA" peer team of Gujarat State by Knowledge Consortium of Gujarat .

Some of the faculty members are also actively involved in the Indian Red Cross society, Lion's club, Rotary Club & Red Ribbon Club. Due to extension activities, Dr.H.K.Solanki has been felicitated and cheered by NGOs. Faculty members from science have performed the task of expert and panel judge of school & college interviews as well as served as judges in science fairs in school, in KIRC. Under the leadership of Prof Macwan English Department has undertaken Teach India Project. There are some 400 students who have actively participated in the project and got certificate from the schools. The department also runs a project-“ Teach English in Rural Areas” , under this project we cover all the students coming from far villages too. Each student goes to his nearby village government school and teaches Basic English for 20 hours to these schoolboys. There are around 250 students in our department who teach 20 hrs in each term .Thus the rural area surrounding the college is covered in English language teaching. Each student gets a certificate from the school for teaching. The students submit the certificate as well as a photo of his teaching in the school. Thus the students also get exposure of real teaching experience.

Inspite of UG college the innovation in promoting research culture is well established in the semiurban rural area. The college has Seven university recognized Ph.D. guide and One M.Phil guide. More than fifty research papers were published, UGC sponsored Five minor research projects were completed and Two minor research projects are ongoing. The institution with a vision to become unique in the country is willing to attempt any pioneering effort in its onward journey towards academic excellence.

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



Part - B

Profile of the College



B. Profile of the Affiliated /Constituent College

1. Name and address of the college:

Name	:	SHRI P.H.G.MUNICIPAL ARTS AND SCIENCE COLLEGE		
Address	:	Ambica Highway		
City	:	Kalol	Pin :	382721
State	:	Gujarat		
Website:	:	http://www.sciencewithhumanity.org		

2. For communication:

Designation	Name	Email ID	Mobile
Principal	Dr.K.C.Deshmukh	principalphg1966@gmai.com	9924181397
Vice- Principal	Prof.C.K.Mevada	mevadaphg@gmail.com	9904427913
IQAC Co-ordinator	Prof. M.A.Macwan	madhukant_mac@yahoo.co.in	9426521987
IQAC Co-coordinator	Prof.S.B.Kansara	sankansara35@yahoo.in	9825709696

Communications office phone No. : 02764-223279, Fax No. 02764-223279

3. Status of the of Institution :

Affiliated College	<input checked="" type="checkbox"/>
Constituent College	<input type="checkbox"/>
Any other (specify)	<input type="checkbox"/>

4.Type of Institution:

a. By Gender

i.For Men	<input type="checkbox"/>
ii. For Women	<input type="checkbox"/>
iii. Co-education	<input checked="" type="checkbox"/>

b. By shift

i. Regular	<input checked="" type="checkbox"/>
ii. Day	<input type="checkbox"/>
iii. Evening	<input type="checkbox"/>

5. Is it a recognized minority institution?

Yes	<input type="checkbox"/>
No	<input checked="" type="checkbox"/>

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

6. Source of funding:

Government	<input type="checkbox"/>	
Grant-in-aid	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Self-financing	<input type="checkbox"/>	<input type="checkbox"/>
Any other		

7. a. Date of establishment of the college: 15-06-1961

b. University to which the college is affiliated /or which governs the college (If it
(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

Gujarat University
Ahmedabad

is a constituent college)

c. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks (If any)
i. 2 (f)	1963	
ii. 12 (B)	1963	

d. Details of recognition/approval by statutory/regulatory bodies other than
(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes No

If yes, date of recognition : -
Yes No

If yes, has the College applied for availing the autonomous status?

Yes	-	No	-
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9. Is the college recognized

- by UGC as a College with Potential for Excellence (CPE)?
- for its performance by any other governmental agency?

Yes	-	No	√
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If Yes, Name of the agency N.A and Date of recognition : N.A.

10. Location of the campus and area in sq.mts:

Location*	Semi Urban
Campus area in sq.mts.	9.52 acre
Built up area in sq.mts.	2348 Sq.Mtr.

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11 facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

➤ Auditorium/seminar complex with infrastructural facilities

Sports facilities

- play ground √
- Indoor stadium

Sports room.

Hostel : No

• Boys' hostel -no

- i. Number of hostels -
- ii. Number of inmates -
- iii. Facilities (mention available facilities) -

• Girls' hostel

- i. Number of hostels
- ii. Number of inmates
- iii. Facilities (mention available facilities)

iv.

Hostel	Blocks of Hostel	No. of Room	No. of Kitchen	Dining Hall	A Refreshment Room	Rector Quarter
-	-	-	-	-	-	-

• Working women's hostel No

- i. Number of inmates
- ii. Facilities (mention available facilities)

- Residential facilities for teaching and non-teaching staff (give numbers available -- cadre wise)
 - Non teaching 02
 - Cafeteria -- No
 - Health centre – No
 - First aid : Yes
 - Inpatient : No
 - Outpatient : No
 - Emergency care facility, Ambulance : 108 Government Ambulance Service is available (24 hours.)
- Health centre staff –
 - Qualified doctor Full time Part-time
 - Qualified Nurse Full time Part-time
- Facilities like banking, post office, book shops
 - Post office √ Located opposite to the Institution at distance of 300 mtrs.
- Transport facilities to cater to the needs of students and staff :
 - Bus pick up stand in front of the college gate
- Animal house : No
- Biological waste disposal : Not required
- Invertors or other facility for management/regulation of electricity and voltage :
 - Invertors 18 K.V. at Principal & Office room
- Solid waste management facility √
- Waste water management √
- Water harvesting √

12. Details of programmes offered by the college (Give data for current academic year)

Sr. No	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned/approved Student Strength	No. of Students admitted
1	Under Graduate	Chemistry	3Year	H.S.C.Pass	Gujarati	90+90	180
		Microbiology	3Year	H.S.C.Pass	English	40+40	80
		Economics	3Year	H.S.C.Pass	Gujarati	130	130
		English	3Year	H.S.C.Pass	English	130	130
		Gujarati	3Year	H.S.C.Pass	Gujarati	130	130
		Psychology	3Year	H.S.C.Pass	Gujarati	130	130
		History	3Year	H.S.C.Pass	Gujarati	130	130
		Sanskrit	3Year	H.S.C.Pass	Gujarati	130	130

13. Does the college offer self-financed Programmes?

Yes No

If yes, how many?

14. New programmes introduced in the college during the last five years, if any

Yes No Number

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Particulars	UG	PG	Research
Science	02	-	-
Arts	07	-	-

16. Number of Programmes offered under

(Programme means a degree course like BA, BSc)

- a. annual system
- b. semester system
- c. trimester system

17. Number of Programmes with

- a. Choice Based Credit System
- b. Inter/Multidisciplinary Approach
- c. Any other (specify and provide details)
- d. Starting year is 2011-12 for U.G Programme respectively

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes No

If yes,

- a. Year of Introduction of the programme(s) N. A
and number of batches that completed the programme
- b. NCTE recognition details (if applicable)
Notification No.: N.A.
Date : N.A.
Validity : N.A.
- c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?
Yes No

19. Does the college offer UG or PG programme in Physical Education?

Yes No

If yes,

- d. Year of Introduction of the programme(s)
and number of batches that completed the programme
- e. NCTE recognition details (if applicable)
Notification No.:
Date :
Validity :
- f. Is the institution opting for assessment and accreditation of Physical Education Programme separately?
Yes No

20 .Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical Staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government	01	00	21	04	03	02	12	00	04	00
<i>Recruited</i>	01	00	21	04	00	00	03	00	02	00
<i>Yet to recruit</i>					03	02	09	--	02	--
Sanctioned by the Management/society or other authorized bodies					01	01	07	00	02	--
<i>Recruited</i>					01	01	07	00	02	--
<i>Yet to recruit</i>					02	01	02	--	--	

*M=Male, *F= Female

21. Qualifications of the teaching staff:

Stream	Department	M.Phil						Ph.d						
		Completed		Ongoing		Guide		Complete		Ongoing		Guide		
		M	F	M	F	M	F	M	F	M	F	M	F	Stud.
Arts	Gujarati	-	-	-	-	1	-	1	-	1	-	-	-	1
	History	-	1	-	-	-	-	1	1	-	-	-	-	-
	Sanskrit	-	-	-	-	-	-	2	-	-	-	1	-	5
	Psychology	1	1	-	-	-	-	1	-	1	1	1	-	7
	English	-	1	-	-	-	-	-	-	1	-	-	-	
	Economics	-	-	-	-	-	-	-	-	1	-	-	-	
	Hindi	-	-	-	-	-	-	-	-	1	-	-	-	
Science	Chemistry	-	-	-	-	-	-	5	1	1	-	3	-	6
	Physics	2	-	-	-	-	-	-	-	1	-	-	-	
	Micro	-	-	-	-	-	-	2	1	-	-	1	1	3
	Biology	-	-	-	-	-	-	1	-	-	-	-	-	
	Maths	-	-	-	-	-	-	-	-	-	-	-	-	
Total	12	3	3	-	-	1	-	13	3	7	1	6	1	22

22. Number of visiting Faculty/guest faculty engaged with the college.- 00

23. Furnish the number of the students admitted to the college during the last four academic years.

YEAR WISE STUDENTS ENROLLMENT

Year 2010-2011

Arts					Science					
Class	Cate.	Male	Female	Total	Class	Cate.	Male	Female	Total	G.Total
F.Y.B.A	Baxi	-	-	261	F.Y.B.Sc	Baxi	-	-	24	
	Gen	-	-	177		Gen	-	-	75	
	Hand	-	-	01		Hand	-	-	01	
	S.C	-	-	189		S.C	-	-	05	
	S.T	-	-	05		S.T	-	-	00	
	Total	-	-	633		Total	-	-	105	738
S.Y.B.A	Baxi	-	-	151	S.Y.B.Sc	Baxi	-	-	13	
	Gen	-	-	156		Gen	-	-	24	
	Hand	-	-	04		Hand	-	-	00	
	S.C	-	-	97		S.C	-	-	06	
	S.T	-	-	04		S.T	-	-	00	
	Total	-	-	412		Total	-	-	43	455
T.Y.B.A	Baxi	-	-	140	T.Y.B.Sc	Baxi	-	-	12	
	Gen	-	-	209		Gen	-	-	33	
	Hand	-	-	02		Hand	-	-	00	
	S.C	-	-	102		S.C	-	-	07	
	S.T	-	-	01		S.T	-	-	00	
	Total	-	-	454		Total	-	-	52	496
					Grand Total				1689	

Year 2011-2012

Arts					Science					
Class	Cate.	Male	Female	Total	Class	Cate.	Male	Female	Total	G.Total
Sem-II	Baxi	139	87	226	Sem-II	Baxi	19	06	25	251
	Gen	82	95	177		Gen	20	22	42	219
	Hand	00	01	01		Hand	00	00	00	01
	S.C	85	87	172		S.C	05	03	08	180
	S.T	10	02	12		S.T	01	00	01	13
	Total	316	272	588		Total	45	31	76	664
S.Y.B.A	Baxi	106	86	192	S.Y.B.Sc	Baxi	11	06	17	209
	Gen	70	127	197		Gen	39	14	53	250
	Hand	03	03	06		Hand	00	01	01	07
	S.C	89	76	165		S.C	03	02	05	170
	S.T	01	04	05		S.T	00	00	00	05
	Total	269	296	565		Total	53	23	76	641
T.Y.B.A	Baxi	70	63	133	T.Y.B.Sc	Baxi	08	07	15	148
	Gen	48	108	156		Gen	12	10	22	178
	Hand	00	05	05		Hand	00	00	00	05
	S.C	42	54	96		S.C	03	05	08	104
	S.T	02	02	04		S.T	00	00	00	04
	Total	162	232	394		Total	23	22	45	439
					Grand Total					1744

Year 2012-2013

Arts					Science					
Class	Cate.	Male	Female	Total	Class	Cate.	Male	Female	Total	G.Total
Sem-II	Baxi	173	101	274	Sem-II	Baxi	37	20	57	331
	Gen	79	119	198		Gen	46	45	91	289
	Hand	02	01	03		Hand	01	00	01	04
	S.C	84	69	153		S.C	14	13	27	180
	S.T	10	04	14		S.T	00	00	00	14
	Total	348	294	642		Total	98	78	176	818
Sem-IV	Baxi	105	78	183	Sem-IV	Baxi	22	06	28	211
	Gen	60	81	141		Gen	17	21	38	179
	Hand	00	01	01		Hand	00	00	00	01
	S.C	63	79	142		S.C	04	03	07	149
	S.T	07	01	08		S.T	01	01	02	10
	Total	235	240	475		Total	44	31	75	550
T.Y.B.A	Baxi	89	79	168	T.Y.B.Sc	Baxi	11	06	17	185
	Gen	66	126	192		Gen	35	16	51	243
	Hand	02	03	05		Hand	00	01	01	06
	S.C	88	72	160		S.C	01	02	03	163
	S.T	01	04	05		S.T	00	00	00	05
	Total	246	284	530		Total	47	25	72	602
					Grand Total					1970

Year 2013-2014

Arts					Science					
Class	Cate.	Male	Female	Total	Class	Cate.	Male	Female	Total	G.Total
Sem-II	Baxi	199	74	273	Sem-II	Baxi	49	25	74	347
	Gen	74	101	175		Gen	82	51	133	308
	Hand	00	00	00		Hand	00	00	00	00
	S.C	105	66	171		S.C	09	11	20	191
	S.T	02	01	03		S.T	01	0	01	04
	Total	380	242	622		Total	00	87	228	850
Sem-IV	Baxi	148	92	240	Sem-IV	Baxi	33	22	55	295
	Gen	55	111	166		Gen	41	44	85	251
	Hand	02	01	03		Hand	00	00	00	03
	S.C	70	63	133		S.C	15	13	28	161
	S.T	10	04	14		S.T	00	00	00	14
	Total	285	271	556		Total	89	79	168	724
Sem-VI	Baxi	99	70	169	Sem-VI	Baxi	20	06	26	195
	Gen	54	74	128		Gen	17	19	36	164
	Hand	00	01	01		Hand	00	00	00	01
	S.C	61	77	138		S.C	04	03	07	145
	S.T	07	00	07		S.T	01	01	02	09
	Total	221	222	443		Total	42	29	71	514
					Grand Total					2088

24. **Details on students enrolment in the college during the current academic year:**

Type of students	UG
Students from the same state where the college is located	2078
Students from other states of India	10
NRI students	-
Foreign students	-
Total	2088

25. Dropout rate in UG (average of the last two batches)

Class	No. of Students enrolled in class			No. of students appeared in examination			Drop out ratio	Success Ratio
U.G.	F.Y.B.Sc.	2010-11	105	T.Y.B.Sc.	2012-'13	69	$\frac{105-69}{105}=34.00\%$	$\frac{51}{69}=74.00\%$
	F.Y.B.Sc.	2011-'12	76	T.Y.B.Sc.	2013-'14	71	$\frac{76-71}{76}=6.57\%$	$\frac{51}{71}=72.00\%$

Class	No. of Students enrolled in class			No. of students appeared in examination			Drop out ratio	Success Ratio
U.G.	F.Y.B.A	2010-11	633	T.Y.B.A	2012-'13	527	$\frac{633-527}{633}=16.70\%$	$\frac{356}{527}=68.00\%$
	F.Y.B.A	2011-'12	588	T.Y.B.A.	2013-'14	438	$\frac{588-438}{588}=25.51\%$	$\frac{276}{438}=58.44\%$

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component

(b) excluding the salary component

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes No

If yes,

a) is it a registered centre for offering distance education programmes of another University

Yes No

b) Name of the University which has granted such registration.

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes No



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वयत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Shri. P. H. Goswami Municipal Arts and Science College
Kalol, Dist. Gandhinagar, affiliated to Gujarat University, Gujarat as
Accredited
with a CGPA of 1.63 on four point scale
at C grade.*

Date : March 28, 2008



*H. R. Raut
Director*





राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

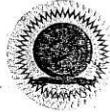
Quality Profile

Name of the Institution : Shri. P. H. Goswami Municipal Arts and Science College
Place : Kalol, Dist. Gandhinagar, Gujarat

Criteria	Weightage (W _i)	Criterion-Wise Grade Point Averages (Cr _i GPA)	W _i X Cr _i GPA
I. Curricular Aspects	050	1.80	090
II. Teaching-Learning and Evaluation	450	1.83	824
III. Research, Consultancy and Extension	100	1.80	180
IV. Infrastructure and Learning Resources	100	1.20	120
V. Student Support and Progression	100	1.30	130
VI. Governance and Leadership	150	1.36	204
VII. Innovative Practices	050	1.60	080
Total	$\sum_{i=1}^7 W_i = 1000$		$\sum_{i=1}^7 (W_i \times Cr_i \text{ GPA}) = 1628$

$$\text{Institutional Score} = \frac{\sum_{i=1}^7 (W_i \times Cr_i \text{ GPA})}{\sum_{i=1}^7 W_i} = \frac{1628}{1000} = \boxed{1.63}$$

Grade =



Descriptor =

Date : March 28, 2008

H. P. Goswami
Director



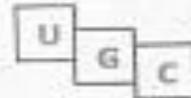
- This certification is valid for a period of Five years with effect from March 28, 2008
- An institutional CGPA on four point scale in the range of 3.01 - 4.00 denotes A grade (Very Good), 2.01 - 3.00 denotes B grade (Good), 1.51 - 2.00 denotes C grade (Satisfactory)





University Grants Commission

ensuring quality higher education for all



Search :



ation

Colleges

List of Colleges-> Gujarat

- L.R.Valia Arts and P.R.Mehta, Commerce College
Vidvanagar DIST.:Bhavnagar.GUJARAT 364 002. Yr Estd.: 1969
Status: 2(F)&12(B)
- Lakhdhiji Engineering College, MORBI, DIST.:Rajkot,Gujarat, Yr
Fehd.: 1951 Status: 2(F)&12(B)
- Lal Bhai Dalpatbhai Arts College, Navrangpura
DIST.:Ahmedabad.GUJARAT-380009, Yr Estd.: 1937 Status: 2(F)&1
(B)
- Lalbhai Dalpatbhai College of Engineering, ramnagar
AHMEDABAD, DIST.:Ahmedabad.GUJARAT-380015 Yr Estd.: 1948
Status: 2(F)&12(B)
- Late Minaben Kundalla Mahila Arts and, Commerce College
KAJKULI, DIST.:Rajkot,Gujarat Yr Estd.: 1950 Status: 2(F)&12(B)
- Late Shri N.R. Boricha Education Trust Sanchalit, Mendarda District
Junagadh,Gujarat, Yr Estd.: 1953 Status: 2(F)&12(B)
- Law College, MotipurahHIMMATNAGAR, (N.G.) DIST.:Sebar
KANTHA,GUJARAT 383 001, Yr Estd.: 1959 Status: 2(F)&12(B)
- Law College, Ashram RoadAHMEDABAD, DIST.:Ahmedabad,GUJARAT
380014, Yr Estd.: 1956 Status: 2(F)&12(B)
- Law College, GODHRA, DIST.:Panch Mahals,GUJARAT 389 001, Yr
Estd.: 1973 Status: 2(F)&12(B)
- Lok Bharati Lok Seva Mahavidyalaya, Samasara
BHAVNAGA, DIST.:Bhavnagar.GUJARAT 364 2 Yr Estd.: 1959
Status: 2(F)&12(B)
- M.B. Arts and Commerce College, GONDAL, DIST.:Rajkot,Gujarat, Yr
Estd.: 1968 Status: 2(F)&12(B)
- M.B. College of Commerce & SGM&L Arts College Sabarmati old
Railway Stati,Ahmedabad,GUJARAT-380005 Yr Estd.: 1966 Status:
(F)&12(B)
- M.C. Sheth Commerce College, Ashram Road AHMEDABAD,
DIST.:Ahmedabad.GUJARAT-380014, Yr Estd.: 1963 Status: 2(F)&1
(B)
- M.D. Science College, FORBANDAR, DIST.:Porbandar,Gujarat, Yr
Estd.: 1984 Status: 2(F)&12(B)
- M.D. Shah Commerece & B.D. Patel Arts College, MAHJUDA,
DIST.:Kaira,GUJARAT-387335, Yr Estd.: 1968 Status: 2(F)&12(B)
- M.J. College of Commerce, BHAVNAGAR-2 DIST.:Bhavnagar,GUJARAT
364 002, Yr Estd.: 1949 Status: 2(F)&12(B)
- M.H. Gandhi Arts and Commerce College, KALDL, DIST.:Panch
Mahals,GUJARAT 389 233, Yr Estd.: 1990 Status: 2(F)&12(B)
- M.M. Ghodesara Mahila Arts and Commerce College, JUNAGADH,
DIST.:Junagadh,Gujarat, Yr Estd.: 1986 Status: 2(F)&12(B)
- M.S.H. Science College, MORBI, DIST.:Rajkot,Gujarat, Yr Estd.:
1960 Status: 2(F)&12(B)
- MADHYA PRADESH, Shah Arts and Science College,
DIST.:Bhavnagar,Gujarat, Yr Estd.: 1956

MUNAPUR. (N.G.), DIST.: Banas Kantha, GUJARAT-395001 Yr Estd.: 1996 Status: 2(f)&12(B)

S.C. A. Patel Arts College, Sadhli Ta, Sinor, District Vadidara, Gujarat Yr Estd.: 1998 Status: 2(f)&12(B)

S.S. Gando College (Arts) and P.K. Patel, College of Commerce NAVSARI., DIST.: Navsari, Gujarat Yr Estd.: 1945 Status: 2(f)&12(B)

S.D. Arts & Shah B.R. Commerce College, MANSA. DIST.: Gandhinagar, GUJARAT-382845, Yr Estd.: 1960 Status: 2(f)&12(B)

S.D. Shethia College of Education, MUNDRA. DIST.: Kutch, GUJARAT 370 421, Yr Estd.: 1970 Status: 2(f)&12(B)

SURADHYA PRADESHatel College of Home Science, Mota BazarVALLABH VIDYANAGAR. DIST.: Anand, GUJARAT-388120, Yr Estd.: 1971 Status: 2(f)&12(B)

P. Jain Arts & Commerce College, DHRANGADHRA. DIST.: Surendranagar, Gujarat, Yr Estd.: 1964 Status: 2(f)&12(B)

Saifee Jubilee Arts and Commerce College, SIDHPUR DIST.: Patan (N.G.), GUJARAT 383 215, Yr Estd.: 1961 Status: 2(f)&12(B)

Saraswati Arts College, BHAVNAGAR. DIST.: Bhavnagar, GUJARAT 364 002, Yr Estd.: 0000 Status: 2(f)&12(B)

Saraswar Arts and Commerce College, Relief Road AHMEDABAD. DIST.: Ahmedabad, GUJARAT-380001, Yr Estd.: 1962 Status: 2(f)&12(B)

Sardar Vallabhbhai Arts College, Relief Road DIST.: Ahmedabad, GUJARAT-380001, Yr Estd.: 1959 Status: 2(f)&12(B)

Sardar Vallabhbhai Commerce College, Relief Road AHMEDABAD., DIST.: Ahmedabad, GUJARAT-380001 Yr Estd.: 1959 Status: 2(f)&12(B)

Sardar Vallabhbhai Vanijya Mahavidyalaya, Relief Road AHMEDABAD. DIST.: Ahmedabad 380 001, Gujarat, Yr Estd.: 1968 Status: 2(f)&12(B)

Saraswati Commerce College, GODHRA, DIST.: Panch Mahals, GUJARAT 389 001, Yr Estd.: 1970 Status: 2(f)&12(B)

Secondary Teachers Training College, VISNAGAR. (N.G.) 384 315 DIST.: Mehesana, Gujarat, Yr Estd.: 1969 Status: 2(f)&12(B)

Secondary Teachers' Training College, KHAIRA DIST.: Kaira, GUJARAT 387 411, Yr Estd.: 1968 Status: 2(f)&12(B)

S. N. B. Patel Science College, ANAND. DIST.: Anand, GUJARAT-380001, Yr Estd.: 1967 Status: 2(f)&12(B)

S. P. N. Goswami Municipal Arts & Science, College Kalol (N.G.) DIST.: Mehesana, GUJARAT-380001, Yr Estd.: 1961 Status: 2(f)&12(B)

4

*File with U.G.C.
R93*

GUJARAT UNIVERSITY.

No. GEN/UGC-42/10315 of 1962,
Office of the Gujarat University,
Ahmedabad-9, Dated: 5-1-1962.

To

The Principal

✓ Kabal Municipal High School
Kabal (M.G.)
KALOL (M.G.)

Sub:- University Grants Commission, List of
Colleges prepared under Section 2(f) of the
University Grants Commission Act 1956 -
Inclusion of New - Colleges.

Ref:- Your letter No. 211/1961 5-1-1962

Sir,

This is to inform you that the University Grants
Commission, New Delhi, has informed this office that the name
of your college has been included in the List of the Colleges
prepared by the University Grants Commission, New Delhi, under
provisions of Section 2(f) of the University Grants Commission
Act 1956, ^{from 15-2-63} which please note.

Thanking you,

Yours faithfully,

[Signature]
REGISTRAR.

RRB/9.3.62.

ફેક્સ : (૦૭૯) ૨૬૩૦૨૬૫૪
ટેલિફોન : ૨૬૩૦૧૩૪૧-૨૬૩૦૦૩૪૨-૪૩,
૨૬૩૦૦૧૨૬
ટેલિગ્રામ : યુનિગુજરાત



Fax : (079) 26302654
Phone : 26301341-26300342-43,
26300126
Tele. { Grams : UNIGUJARAT

ગુજરાત યુનિવર્સિટી કાર્યાલય,
પોસ્ટ બોક્સ નં. ૪૦૧૦
નાવરંગપુરા, અમદાવાદ-૩૮૦ ૦૦૯.

ગુજરાત યુનિવર્સિટી
GUJARAT UNIVERSITY
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OFFICE OF THE GUJARAT UNIVERSITY
POST BOX NO. 4010
NAVRANGPURA,
AHMEDABAD-380 009 (INDIA).

Model Format
“Gujarat University”

No.Academic/૫૨૫૬/2013

Dt.૧૨-11-13

TO WHOM IT MAY CONCERN

This is to certify that Shri P.H.G.Municipal Arts & Science College, Kalol-382721, Dist:Gandhinagar-Gujarat is affiliated to the Gujarat University since 1963 and recognized by the University Grants Commission (if applicable) and the following Courses/Subjects are taught in the said college.

- 1) Three year B.A. General Courses with the Core subjects- English, Sanskrit, History, Economics, Psychology and Gujarati.
- 2) B.A. General course includes Elective subjects-Hindi.
- 3) Three year B.Sc.Core Courses with subject, Chemistry, Microbiology.
- 4) B.Sc.Elective subjects includes-Zoology, Botony, Physics and Mathematics.

Affiliation given to this college and it's courses, is valid as on date of issue of this letter.


I/c. Registrar

PEER TEAM REPORT

ON

INSTITUTIONAL ACCREDITATION

of

**Shri P. H. G. Municipal Arts & Science College,
Ambica Nagar, Kalol, Gujarat**

(Visit Dates: 10 – 11 March 2008)

National Assessment and Accreditation Council

Bangalore – 560 072, India

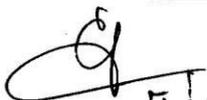
PEER TEAM REPORT
Of
Shri P. H. G Municipal Arts and Science College
Ambika Nagar Highway, Kalol, Gandhinagar, Gujarat
(PTV Date: 10th -11th March 2008)

Criterion I: GENERAL	Information
1.1 Name & Address of the Institution:	Shri P.H.G Municipal Arts and Science College Ambika Nagar Highway, Gandhinagar, Gujarat
1.2 Year of Establishment:	15. 06. 1961
1.3 Current Academic Activities at the Institution (Numbers) <ul style="list-style-type: none"> • Faculties/Schools: • Departments/Centres • Programmes/Courses offered • Permanent Faculty • Permanent Support Staff • Students: (2007-08) 	Faculties-02 (Arts, Science) Departments-12 UG-02 30 Administrative Staff 09 Technical Staff 05 1949
1.4 Three Major features in the institutional Context (As perceived by the Peer Team)	<ul style="list-style-type: none"> • A rural Co-Ed College catering to the educational needs of students from surrounding villages within 30 Km radius. • College works in two shifts; in the same premises, another college of Commerce run by the same management is functioning; some schools also are located in the same campus area, all sharing common facilities. • About 56% of the students and 20% of the faculty are women.
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	10 th – 11 th March 2008
1.6. Composition of the Peer Team which undertook the on-site visit: Chairman: Member Coordinator: Member: - NAAC Officer:	1. Prof. C. Thangamuthu 2. Prof. (Mrs.) Mamata Satapathy 3. Mrs. Puran Prabha Sharma Dr. M. S. Shyamasundar

1

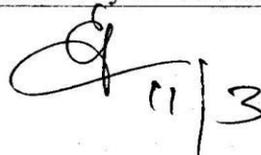
C. Thangamuthu.
11/3/08

Section II: CRITERION WISE ANALYSIS	Observations(Strengths and/or Weaknesses) on Key-Aspects (Please limit to three major ones for each and use telegraphic language (It is not necessary to indicate all the three bullets each time; write only the relevant ones))
2.1 Curricular Aspects:	
2.1.1 Curricular Design & Development:	<ul style="list-style-type: none"> • The vision and mission of the college is to make it a centre of rural upliftment with education and literacy. • A few Teachers are members of BOS of affiliating Gujarat University. • The curriculum is yet to have ICT integration/inclusion
2.1.2 Academic Flexibility:	<ul style="list-style-type: none"> • Limited programme options • All the courses follow annual system • Value-added courses like, Entrepreneurship, Communication Skills, Personality development etc are yet to be introduced. •
2.1.3 Feedback on Curriculum:	<ul style="list-style-type: none"> • Feedback system on curriculum from students, alumni, parents yet to be developed.
2.1.4 Curriculum Update:	<ul style="list-style-type: none"> • Curricula revised every three years by the BOS of the University.
2.1.5 Best Practices:	<ul style="list-style-type: none"> • Some of the students get concurrent access to some Certificate/Diploma courses run by Ambedkar Open University, whose study centre is located in the college.


 17/3

2.2 Teaching-Learning & Evaluation:	
2.2.1 Admission Process and Student Profile:	<ul style="list-style-type: none"> • Admission based on eligibility qualification following the guidelines of Gujarat University; in some science courses, vacancies exist, while in some Arts programmes, admissions are far in excess of sanctioned/reasonable class strength. • Government reservation rules are adhered to. • Girls outnumber the boys in admission as observed in last two years.
2.2.2 Catering to Diverse Needs:	<ul style="list-style-type: none"> • The college is yet to start tutorial and mentoring system; no structured remedial/bridge programmes in most of the courses.
2.2.3 Teaching-Learning Process:	<ul style="list-style-type: none"> • Teaching plan diary has been introduced from the current year. • Mainly lecture method of teaching is followed. • Technology aided class room teaching like Projects/ ICT -use yet to form a part of the learning process.
2.2.4 Teacher Quality:	<ul style="list-style-type: none"> • Out of a total of 32 teachers, 09 have Ph.D, 02 M.Phil. • During the last five years, the College has not organized any faculty development programmes.
2.2.5 Evaluation Process and Reforms:	<ul style="list-style-type: none"> • Terminal examinations are conducted.
2.2.6 Best Practices in Teaching-Learning Process;	<ul style="list-style-type: none"> • In some departments (Microbiology/ Chemistry) industry visits are arranged.
2.3 Research, Consultancy & Extension:	
2.3.1 Promotion of Research:	<ul style="list-style-type: none"> • Duty leave is granted to attend seminars and workshops. • Research Advisory Committee may be constituted for the overall supervision of research activities in the college.

232 Research and Publication Output:	<ul style="list-style-type: none"> • One teacher of Microbiology department is recognized as external research guide by Gujarat and North Gujarat universities. • During the last five years some papers (Microbiology and Chemistry) published in refereed journals. • At present no on-going research projects are operating. Three minor research projects completed during the last five years.
233 Consultancy:	<ul style="list-style-type: none"> • The College is yet to develop expertise for consultancy to earn revenue. Microbiology faculty offer informal consultancy to some industries.
234 Extension Activities:	<ul style="list-style-type: none"> • Extension activities and outreach programmes mostly carried out through, NSS volunteers, NCC cadets. • One student received Best Cadet award at the university level.
235 Collaboration:	<ul style="list-style-type: none"> • The Microbiology Department has organized a State level seminar in collaboration with Gujarat State Biotechnology Mission and J & J College of Science Nadiad on 30.12. 2007. • College is yet to sign MOU for collaborations with other institutions and Industries.
236 Best Practices in Research, Consultancy & Extension (if any):	<ul style="list-style-type: none"> • Microbiology department organized one state level seminar.
24 Infrastructure and Learning Resources:	
24.1 Physical Facilities for Learning:	<ul style="list-style-type: none"> • There are seven different institutions including this college under the same Management in one premise. There are 19 class rooms, 07 laboratories and a library, and common sports ground. Some classrooms are not spacious enough to hold the large number of students in Arts faculty. • During last five years very little augmentation in infrastructure. • More facilities needed for differently-abled students.



2.4.2 Maintenance of Infrastructure:	<ul style="list-style-type: none"> • Maintenance of Campus Infrastructure deserves improvement. • Budget provision for maintenance of infrastructure inadequate.
2.4.3 Library as Learning Resources:	<ul style="list-style-type: none"> • Library needs much improvement. It has to provide computer, internet and reprographic facilities to the students and staff, no open access system. • The Central library has 34,346 books and 17,000 text books, 15,345 reference books and subscribes to only one standard journal, excluding magazines. • It has one computer loaded with SOUL software for computerization; process just started.
2.4.4 ICT as Learning Resources:	<ul style="list-style-type: none"> • Limited computer facilities with only 05 computers, only one system with broad band internet connectivity; 03 recently kept as a central facility (01 in a department and one in the library).
2.4.5 Other Facilities:	<ul style="list-style-type: none"> • Limited Facilities for indoor and outdoor games for boys and girls. • No Health Centre but annual health check up for all the first years' students by external doctors. • Hostel, canteen, vehicle parking shed, facility need to be provided.
2.4.6 Best Practices in the development of Infrastructure and Learning Resources (if any):	<ul style="list-style-type: none"> • Annual health check up for the first year students.
2.5 Student Support and Progression:	
2.5.1 Student Progression	<ul style="list-style-type: none"> • Student profile maintained. Good pass percentage with a number of first classes in some Departments. Drop out rate is about 2-3%. • Appropriate steps may be taken for increasing the students attendance in the classes. • More than 50% students go for further studies. Employment percentage not available.
2.5.2 Students Support:	<ul style="list-style-type: none"> • College yet to publish annual prospectus, college calendar and handbook. • No Management sponsored scholarships. Govt. Scholarships available. • Placement Cell, Counseling Cell, Grievance Cell need to be formed / strengthened.

2.5.3 Student Activities:	<ul style="list-style-type: none"> • Students are encouraged to participate in sports, games and cultural activities. Some students are selected in University teams • Some students participated in cultural youth festival • An alumni association has recently been formed.
2.5.4 Best Practices in Student Support and Progression (if any)	<ul style="list-style-type: none"> • Book Bank / Poor Students library facility is available.
2.6 Governance and Leadership;	
2.6.1 Institutional Vision and Leadership:	<ul style="list-style-type: none"> • Efforts to be made to fully realize the vision and mission of the college. • Vision and mission and other details are on college website.
2.6.2 Organizational Arrangements:	<ul style="list-style-type: none"> • Organizational structure consists of General Body and executive members. Principal is an ex-officio member. • Governance by the Principal through HOD, Faculty and various Committees.
2.6.3 Strategy Development and Deployment:	<ul style="list-style-type: none"> • The Management has to formulate a formal perspective plan for future growth and expansion and its implementation. • Management Information System has to be initiated.
2.6.4 Human Resource Management:	<ul style="list-style-type: none"> • Limited focus on Human Resource Development. • College is yet to introduce Self-Appraisal method of evaluation of teachers' performance. • The institution has limited professional development programmes for non-teaching staff.
2.6.5 Financial Management and Resource Mobilization:	<ul style="list-style-type: none"> • Grants received from State Government and UGC. Regular annual audit by chartered accountant appointed by the trust. • The management has a tradition of getting donations from philanthropists and naming the college after donors, the college it self was established with a donation from the Municipality. • Accounting is partly computerized.


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2.6.6 Best Practices:	<ul style="list-style-type: none"> • Passing the Certificate in Computer Concept (CCC) examination has been made compulsory for Office Staff by Government.
2.7 Innovative Practices:	
2.7.1 Internal Quality Assurance Cell:	<ul style="list-style-type: none"> • IQAC needs to be set up. • Additional initiatives for quality improvement needed.
2.7.2 Inclusive Practices:	<ul style="list-style-type: none"> • Reservation of seats in admission for socially backward, economically weaker and differently abled students as per the Govt. rules; all eligible candidates admitted. • More than 56% of students are women, about 20% of teaching staff and 7% of non-teaching staff are women members. • The college is yet to offer special / formal programmes for overall development of rural and tribal students.
2.7.3 Stakeholder Relationship:	<ul style="list-style-type: none"> • Parent-Teachers' association and Alumni association have recently been formed; need to be activated for the professional resources and development of the institution. • Parent and Stakeholders' participation in College Committees, College functions not evident.
Section III: OVERALL ANALYSIS	<i>Observations (Please limit to five major ones for each and use telegraphic language) (It is not necessary to denote all the five bullets for each)</i>
3.1 Institutional Strengths:	<ul style="list-style-type: none"> • Catering to the higher education requirements of many rural boys / girls. • A fairly strong Microbiology programme, with a track record of better student mobility / faculty profile. • Contributions from philanthropists / institution to expand the institutional complex. • Ambedkar Open University study centre on the campus offering facility of doing some additional courses on concurrent basis.
3.2 Institutional Weakness:	<ul style="list-style-type: none"> • Over sized classes (in Arts/Languages) beyond the coping capacity of class infrastructure. • Shift system (on account of Commerce College in the same building) leading to the students/faculty vacating the premises

	<p>and give room for the other batch; constraint on the use of common facilities (sports/library/computer).</p> <ul style="list-style-type: none"> • Inadequate regular faculty in some Departments because of Govt.'s policy on recruitment. • Over sized class / shift system and hence difficulty in giving individual attention students. • Poor ICT infra-structure (for about 2000 students); only one system with internet connectivity.
<p>33 Institutional Opportunities:</p>	<ul style="list-style-type: none"> • Scope for facilitating / motivating better use of Open University study centre by the college students on concurrent basis. • Opportunity/need for improving English communication skill for the predominantly Gujarati medium students (and some faculty as well) • Thanks to availability of open space, scope for improving sports infra-structure; and common facilities such as Computer Centre/ Seminar Halls, among others, can be established for the shared-use of all the institution in the campus. • Opportunity for developing some science depts.. (Microbiology/Chemistry as PG / Research centres). • Scope for improving campus ambience with better landscaping, gardening and aesthetics.
<p>34 Institutional Challenges:</p>	<ul style="list-style-type: none"> • Gujarati Medium of instruction / examination as big challenge to gaining proficiency in English communication skill. • Over sized classes and lack of regular / qualified faculty. • Schools / Colleges located in the clustered campus constrain the student development in extra-curricular activities. • Parental/Student bias towards professional programmes weaken the students intake in science stream. • Lack of programme opportunities in management/computer applications, among others, landing a very conventional label to the college.

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Section IV: Recommendations for Quality Enhancement of the Institution

(Please limit to ten major ones and use telegraphic language)
(It is not necessary to indicate all the ten bullets)

- Physical infra-structure need to be toned up to keep pace with the large class strength and more than one institution functioning in the campus.
- ICT use in teaching-learning be strengthened with better training / motivation to the faculty and provision of computer and other e-gadgets.
- Structured Bridge and Remedial courses be offered to the academically weaker students.
- Special efforts be undertaken to provide computer literacy and spoken English programmes to all the students of the college.
- Career oriented add-on courses (especially courses on Computer Science, Computer Application) be introduced.
- Management may explore opening PG courses in certain subjects for the benefit of the rural and economically weaker students.
- The institution may promote research and consultancy activity as a significant part of academic programmes.
- The teachers be encouraged to go for research, apply for research projects from funding agencies and publish research papers in refereed journals.
- Library be strengthened with adequate number of computers with internet connectivity. Library automation be completed on priority basis; open access system be introduced.
- Sports infra-structure be strengthened; the post of director of physical education be filled up.

I agree with the observations of the Peer Team as mentioned in this report.



Signature of the Head Of the Institution
Principal
Shri Prabhatgiri Harigiri Goswami
Municipal Arts & Science College
KALOL (N.G.) 382 721

Signatures of the Peer Team Members:

Name and Designation		Signature with date
Prof. C. Thangamuthu	Chairperson	C. Thangamuthu 11/3/08
Prof. (Mrs.) Mamata Satapathy	Member Coordinator	Mamata Satapathy 11.03.2008
Mrs. Puran Prabha Sharma	Member	11/3/08
NAAC Officer Name: Dr. M. S. Shyamasundar	Dy. Advisor	

Place: Kalol, Gandhinagar

Date: 11th March 2008

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



Part - C

Criteria Wise Inputs



Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



Criterion – I
Curricular Aspects



Criterion – I

Curricular Aspects

1.1 Curriculum Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision:

To be a centre of rural upliftment with Education and literacy, Leading to moral duty awareness and development of character, that leads to National integrity.

Mission :

Empowering the students to meet the demands of modern technological challenges towards the development of human resources, narrowing the gap between industry and academics. Teach the students for the eco-friendly use of environmental energy resources, leading to sustainable national development.

Objectives:

- Preserve the cultural heritage and establish the best education centre in district.
- The centre should cover the need from Education to Employment.
- To cater Quality Education in culminating research attitude by provoking enthusiasam
- Modernization of the curriculum
- Avail higher education to rural and urban students.
- Faculty development
- To provide value based quality higher education in basic science and technology through B.Sc. and COC programmes to adivasi students.
- To provide skilled, competent, social, spiritual, self disciplined, mentally and physically developed SC, ST and minority students .
- To motivate students for research work of national and international standard.
- To provide career oriented programmes and employment oriented guidance through career corner, Universal Development of Integrated Employability Skills through Higher Education Agencies (UDISHA), Society for Creation of Opportunity through Proficiency in English (SCOPE), Bhaskaracharya Institute for Space and Geo informatics (BISAG) and other advance information tools

- To provide earn while you learn program to the SC, ST, adivasi and needy students
- To provide impetus on inputs to enhance the employability of students on global platform.

We convey the vision, mission and objectives through brochures, leaflets and website of our college. It has been exhibited in the corridor of the college and also in all departments.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

- The institution has a well defined plan for curriculum implementation. The basic task of curriculum development is done by affiliating Gujarat University, Ahmedabad for all U.G program. The framed curriculum is revised by Gujarat University, generally at three year interval. Changes in the curriculum are in tune with the requirement of current needs. The university displays U.G curriculum or changes in curriculum on its website: www.gujaratuniversity.org.in. and all the stakeholders can use this facility.

The institution puts in action curriculum through committee. The committee interacts with all head of departments and subject faculty members at the commencement of new semester and makes plan for effective implementation of curriculum. The process for effective implementation of the curriculum is as follow :

- Time table is prepared for various courses and their classes, keeping in mind the total teaching time available and the total quantum of curriculum to be covered.
- The subject teacher is finalized on the basis of his/her qualification and specializations.
- The implementation of curriculum is monitored by head of the departments.
- At the end of month, principal collects curriculum and academic progress report from all teaching faculty members of the college.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

- The departmental head and senior teachers implement the designed university syllabus. Generally head of department allots the units/ topics to the faculty members. Teachers receive various type of support from the college for effectively translating the curriculum and improving teaching practices and are as below :
- The faculty members are encouraged to use library and internet to improve and update subject knowledge.
- The faculty members are also encouraged to attend seminar or workshop organized by university or any other institution.
- The institution provides all the infrastructural facilities and teaching aids to improve teaching practices.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- The faculty members and head of the departments decide on how this curriculum can be completed in the stipulated time. The institution is considering all the important suggestions received by the previous students and other stakeholders for effective curriculum delivery.
- The institution encourages all the staff members and students to become techno survey, computer and internet survey expert.
- The institution regularly interacts with other statutory agencies like department of higher education for effective implementation of curriculum.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum.

- The institution regularly interacts with beneficiaries such as industry, research bodies and the university for effective operationalisation of the curriculum through face book groups for social networking and sometime informal meetings with industry, research bodies and subject experts. The following initiatives were taken:

- The institution invites experts from industries and research institution. They provide detailed information about the requirement of industry. Then, meeting is held with COC coordinator to include and implement the experts' suggestions for curriculum operation.
- Many of our faculty members have regular formal and informal meetings with industry, research bodies and university to keep themselves abreast with operationalization of the curriculum.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

- All the faculty members are directly or indirectly involved in the process of the development of the curriculum. The recent actions taken by the college are as follows :
 - Written, verbal feedback and suggestion on curriculum given by the faculty members, students, parents and alumni were analyzed. Their creative suggestions on curriculum are collected and after discussion with the subject teacher, the Principal sends the suggestions to the Board of studies.
 - Discussion had been held with faculty members and subject experts.
 - Two faculty members of our college were members in their respective Board of Studies of the university. They gave suggestions and recommendation in updating the curriculum.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university)by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

Yes, The institution has developed the curriculum for Dislexia course, but the COP course was not run due to lack of budget.It was approved by UGC but no allocation was received.College teaches several soft skill,Foundation and Elective subjects at different semester.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

- Stated objectives of the curriculum are analyzed by the institution through student performance, quality of placement, quality of enhancement of faculty and overall performance of the institution.

The institution ensures that the objectives of the curriculum are achieved through ,development of discipline,,culture ethics,results, top ranks obtained by the students at university level, participation in various activities, competitive examination, performance in various extension activities such as empowering the Youth, career guidance, drug abuse program, environment awareness program, women empowerment and overall quality placements achieved.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.

The goal of our institution is to prepare individuals who are competent, capable and constructive unit of society. College students are free to join any skill development or any other program offered by Indira Gandhi National Open University (IGNOU) and Dr.Babasaheb Ambedkar University, but after N.O.C. from principal.

We have many certificate and diploma courses offering by BAOU. The center has applied for permission for BBA/MBA courses.

Different courses

- 1 M.A. - English :MEG
- 2 M.A. – Hindi :MHD
- 3 M.A. – Sociology :MSO
- 4 M.A. – Gujarati :MGT
- 5 M.A. – Distance Education :MADE
- 6 BPP
- 7 Bachelor of Arts : B.A.
- 8 Bachelor of Commerce : B.Com
- 9 Diploma in Creative Writing in English : DCE
- 10 Diploma in Creative Writing in Hindi : DCH
- 11 Certificate in food & Nutrition : CFN
- 12 Certificate in Computing : CIC
- 13 Certificate in Tourism Marketing : CTM
- 14 Certificate in Tourism Management : CMT
- 15 Certificate in Child care & Development : CCCD
- 16 Certificate in Personal Computer Software : CPCS
- 17 Certificate in Teaching of English : CTE
- 18 Certificate in Environment Studies : CES
- 19 Certificate in Consumer Protection : CCP
- 20 Certificate in Communication Skills in English :Level-1 : CCSE1
- 21 Certificate in Computer Concepts : CCC- BAOU
- 22 Certificate in Human Rights : CHR
- 23 Certificate in Rights of Woman : CRW
- 24 Certificate in Environment Aberrance : CEA
- 25 Certificate Course in Education Counselling : CEC
- 26 Certificate Course in Child Counselling : CCHC

**1.2.2 Does the institution offer program that facilitate twinning /dual degree?
If 'yes', give details.**

- Presently the college does not offer dual degree program. But there are facilities in the affiliated university to undergo another course through distance mode simultaneously.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability

- The college is offering TWO U.G. program. Elective courses are offered to encourage inter disciplinary academic pursuit and to enhance students' competency and job prospects. The list of core and elective courses offered at U.G level by the institution are as follows :

Semester	Core course opted by the institution				Elective courses opted by institution
I and II	(a) Chem. Phy. Bot. *	(b) Chem. Phy. Zool. *	(c) Chem. Phy. Maths *		For sem-I : Biodiversity, Nano technology For sem-II : Environment Studies
III and IV	(a) Chem. Phy.	(b) Chem. Bot.	(c) Chem. Zool.	(d) Chem. Maths	For sem-III : Remote Sensing For sem-IV : Carbon Credit
V and VI	(a) Chem.	(b) Zool.			For Sem-V (Chem.) : Soil Composition & Analyses For Sem-VI (Chem.) : Nanomaterials and Nano Technology For Sem V (Micro) Agriculture Biology For Sem. VI (Micro.) Geo Microbiology

Arts

Course	Foundation Course	Soft Skills
B.A Sem-1	Indian Epic Tradition	Indian constitution
B.A Sem-2	Environment	Personal development
B.A Sem-3	Writing skills in Hindi	World Religions
B.A Sem-4	Vedas And Upanishad	Hospitality
B.A Sem-5	Gandhian philosophy	Child Psychology
B.A Sem-6	Research Methodology	Journalism

- **Credit transfer and accumulation facility :**

University has made provision for the credit transfer for students who pursue studies to other college of same universities but after N.O.C. from Gujarat university.

- **Enrichment courses :**

The Gujarat University has implemented the choice based credit system to the UG level from June 2011. The college is providing soil testing program with student and teacher participation and facility for scope examination .

1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

- Yes, the college has started from current year self financed program of B.Sc. with Chemistry and Micribiology.

Admission Procedure:

As per Gujarat university guidelines the dates of distribution of the admission forms, collection of filled forms and dates for payment of fees are displayed on the notice board.

Curriculum :

Curriculum offered to the students is as prescribed by Gujarat university.

Fees structure :

Fees is prescribed by the Gujarat University, but our management realises the poor economic condition of the students and is charging less fees than the fees that is prescribed by university self financed courses.

Teacher Qualification :

As per guideline of UGC, Gujarat university and commissioner of higher education.

Staff salary :

As per guideline of UGC, Gujarat university and commissioner of higher education. At present management has appointed adhoc nonteaching staff member for the self financed B.sc program. The management all the expenditure for bears the elective courses (E.C) and foundation courses (F.C) offered by the institution.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such program and the beneficiaries.

The institution has started computer related courses, Saptdhara co curricular programme, yoga seminars, yoga as elective course, workshop on research methodology , lectures on skill development and placement services ,UDISHA.

. The institution has arranged industrial and biological tours and various cultural programmes for the skill development of the students.

The institution has a SCOPE examination center and Digital Education & Learning Laboratory to improve proficiency in English language. Total 4000 students passed “A” level SCOPE examination.(Cambridge Certificate)

The institution has established research laboratory to perform the research activity. The students of science discipline are supposed to be skilled experimentalist as they have to perform experiments . To enhance their practical skills, the students are involved in soil sample testing. The soil samples were provided by agriculture department of Gujarat Government.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students?

- Yes, the Gujarat University provides flexibility of combining the conventional face to face mode of education for students. The institution provides foundation and skill development courses and Dr. Baba Saheb Ambedkar Open University courses. The college students can join such courses for their future career after N.O.C from the principal.

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?

- To integrate the university academic programmes and institution's goals, the following initiatives were taken to supplement the university curriculum.

Curriculum :

- Guest lectures, seminars, workshops, training programmes and industrial visits are conducted to facilitate awareness of current industrial demands.
- The principal, IQAC coordinator, college convener and head of the departments analyzed the university curriculum.
- The college gives emphasis on Society for Creation of Opportunity Through Proficiency in English (SCOPE) and Digital Education And Learning Laboratory(DELL)
- Classes to inculcate good communication skills for international language in the students.
- To continue Soil Analysis Health Card programme.

1.3.2 What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?

The following are efforts made by the institution to modify, enrich and organize the curriculum for the dynamic employment market. The college possesses huge number of students from liberal courses of ARTS. The college tried its level best to invite companies ,ICT experts and people from various segments to improve students .

. The institution has also offered the SCOPE examination to improve proficiency in English and computer literacy, which is needed for global dynamic market. The college has offered Computer Science courses through BAOU, which is managed by college faculty. Many staff members appeared in A level and B level SCOPE exam.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

- The institution has made following efforts to integrate cross cutting issues into the curriculum.

- **GENDER :**

The institution has active collegiate women's development committee which covers the gender awareness program such as Beti Bachao Abhiyan, popular lecture on gender awareness, sex education group discussion among the students and celebration of International Women's day on 8th march and National Girl's Child Day on 24th January.

- **CLIMATE CHANGE & ENVIRONMENT EDUCATION**

The university constantly upgrade its curriculum to integrate the climate change and environment education. The university has provided the biodiversity and environment studies as elective courses at B.Sc. sem-I and B.Sc. sem-II program respectively. The principle aim of the college is to opt such elective courses to make the students aware of issues like pollution, Environmental awareness, proper waste disposal, the use of biodegradable materials and in making students conscious about their significant role in environment protection. For this reason, College has opted above elective options which help the students in term of climate change, pollution, environment education and global warming etc. For B.A students, participation in NSS activities make them aware of envirolmental issues. Student perform tree plantation, run for pollution, cleanliness awareness etc.

- **HUMAN RIGHTS**

The formation of anti ragging cell and grievances redressal cell is mandatory for the institution according to University and Gujarat Government policy. The institution has organized lectures on anti ragging issues.

- **SPEAKERS :**

- 1) Principal Siddharth law college ,Gandhinagar.: Shri ,Dipak Mewada
- 2) Gandhinagar Dy.S.P. : Shri V.M.Raol

Both the speakers explained in details about the human rights to the students. They also discussed the laws regarding the gender and antiragging issues. An anti ragging committee has been formed at the institutional level to curtail the wide spread predicament of ragging.

- **ICT**

For ICT, the institution has organized for a programme by TCIL Govt. body undertaking and installed the interactive board in the DELL and Psychology laboratory. The institution has well equipped Digital Education and Learning Laboratory (DELL)for the computer literacy and awareness. The institution has district level SCOPE practical examination centre also. The total 4000 students passed A-level SCOPE examination during last five years.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

- **moral and ethical values**
- **employable and life skills**
- **better career options**
- **community orientation**

➤ For holistic development of the students, the institution has offered following enrichment programmes. In addition to long certificate programmes, the following value added programmes are offered in the institution.

- Lectures on personality development
- Lectures on spiritual, social and cultural issues(Brahma Kumaris, Bhagvad Geeta Jayanti lectures)
- Beti Bachao Abhiyan
- Traffic Awareness Programme
- Daily Prayer
- Blood Donation Camp, Thalassemia Testing
- Rubella Vaccination
- Gurupurnima Celebration
- Teacher's day celebration
- Swami Vivekanand Jayanti Celebration
- Experts' lectures, seminars, workshops, debates and many other creative activities
- Grahak Suraksha
- Shri.Arvinbhai Parikh (High Court Lawyer) has distributed around 250 books of Swami Vivekanand to the staff and students for personality development
- The college level elocution and essay writing competition was organized on 150th birth anniversary of SwamiVivekanand and students also won the prizes.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

Feed back is considered as the stepping stone for the betterment and change, feedback form is collected from the students at the end of every term. All the suggestions regarding curriculum are collected and analyzed by subject experts including principal and IQAC coordinator. The constructive criticisms and suggestions are conveyed to the Universtiy board of Studies as the institution has no freedom to design and to revise the university curriculum.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment program?

- The quality of enrichment programme of the institution is monitored and evaluated from the feedback of the students and of the alumni. The enrichment programmes are also evaluated from the University U.G results. The college U.G. results are compared with the University's results. We also collect feedback from Head of the institution, where the students have migrated for higher education or for placement services.

1.4 Feedback System

- The institution feedback is a powerful mechanism for betterment and change it is collected from the students at the end of every term. Coursewise and facultywise evaluation is done by principal and IQAC coordinator. The principal then discusses the creative and constructive criticisms of the collected feedback with the members of board of studies of various discipline and also with the chairman of board of studies.

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

- The institution is affiliated to Gujarat University Ahmedabad. Almost all faculty members are directly or indirectly involved to design the university curriculum. All faculty members are free to give any suggestion regarding the curriculum to the chairman, board of studies Gujarat University.

From the academic year 2011-2012 the CBCS UG level and from the academic year 2010-2011 CBCS, PG level programmes were implemented. Many faculty members and Head of the institution had attended the meeting to Gujarat University curriculum and their suggestions incorporated in curriculum.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

- The institution has the effective mechanism to obtain feedback from the students and stakeholders on curriculum. Every year, the out going students evaluate the entire program including curricular, extra- curricular and student services of the college. The feedback is also obtained from alumni when they visit the campus after their graduation. The collected feedback from students and stakeholders are scrutinized by the head of the institution and IQAC coordinator. A report is prepared for modification, improvement and changes in the curriculum and it is communicated to the university for curriculum enrichment and introducing changes.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?

- The institution has introduced B.Sc. self financed programme from the current academic year 2014-15.

- **The rationale for introducing new is as courses:**

To satisfy the need of students willing to opt for B.Sc. course.

The drastic increase in the number of students willing to opt for B.Sc. even after completing Diploma Eng, Certificate Courses, and ITI.

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



Criterion - II

Teaching – Learning and Evaluation



Criterion - II

Teaching – Learning and Evaluation

2.1 Student Enrolment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

- The institution has a glorious history of more than 50 years. Though it is situated in rural, urban area, it is famous for its high quality of education, dedicated and well-equipped staff and numerous healthy traditions maintained since its establishment.

To start the admission of B.A/B.Sc. as soon as declaration of 12th standard result has become a well established tradition. Students can receive information about the details of the admission process through the college notice board . All the relevant information regarding various programmes, the rules and regulations, facilities available in the institution, staff qualifications, co-curricular activities, extra-curricular activities, and examinations procedure regularly uploaded on Institutional Website, www.sciencewithhumanity.org. For transparency in admission there is an admission committee which prepares the admission list according to the Gujarat University circular and displayed list on notice board. The Gujarat University circular regarding admission to F.Y.B. Sc. & B.A (Sem-I) can be seen on university website or daily newspapers.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

- The institution is affiliated to Gujarat university. After the guidelines of the Gujarat University Rural colleges admission must be given on first come first basis in under graduate level. Reservation quota prescribed by (as mentioned in 2.1.5.) the Gujarat University for SC/ST/OBC/PH/other university students is also considered compulsory. We follow the above guidelines for U.G. admissions.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

- Kalol College became part of Gandhinagar district after 1997, earlier it was a part of Mahesana district. There are only two science colleges in the district: First one as P.H.G. Arts and Science College, KALOL, Gandhinagar and second is Government Science College, Gandhinagar. We provide details regarding minimum and maximum

percentage of marks for admission at entry level of UG level programmes for the academic years 2013-14 which is as follow:

Academic Year 2013-14

Year	Prog.	Shri P.H.G.Muni.Arts & Science College Kalol, Dist Gandhinagar	
		Max.(%)	Min.(%)
2013-14	B.A	76	33
	B.Sc.	72	33

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process?

- There is a mechanism in the institution for reviewing the admission process and the students profile annually. The college has formulated an admission committee which monitors the admission process and its impact throughout the year. If the committee finds any drawback in the process, it is immediately brought to the notice of the principal.

The college authority immediatly takes requisite steps and soon improves the process. All the required data of the students profile is saved and college provides maximum opportunity to the students from the rural background. Such students are motivated to participate in various activities like quiz, sports and cultural to develop their overall growth. Sometimes we notice the entry level shy students coming from the village having a good talent but inferiority complex, become masters of the stage and self confident graduate after 3 years. This change in the personality is the major outcome.

Student profile is also used to find out weaker and brighter students for special attention.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

- The admission policy of the institution is in line with the policies of Gujarat Government and University in reference to the above categories of the students. The quota fixed for the different categories is as under :

SC	ST	OBC	Differently abled	General
7%	15%	27%	3%	49%

The admissions given at entry level (UG/PG program) for the current year 2013-14 are as under:

Programme	No.of Students	%SC	%ST	%OBC	Differently abled	General
U.G.	850	22.47	0.47	40.82	0.00	36.23

The comparison of the above tables is self explanatory of how our institution takes into account, the significance of the spread of higher education in all sections of society and ensures all round social development and welfare.

The institution ensure that all of the students of diverse categories admitted and nobody is deprived of his/her right to higher education. The admission policy of the institution and our students profile duly reflect the National commitment diversity and inclusion.

The institution uploads the spirit of constitution of India. The genuine concern for equality can be seen in the college practices as under.

- SC/ST/OBC: They avail the benefit of scholarship, remedial coaching classes, poor boys library, etc.
- Women: As per state Government policy, tuition fees for girls are waived. They are given 'bond' benefit in the entry level by Government of Gujarat.
- Differentially abled: Scholarships and if required examination block at ground floor.
- Economically weaker section: Help for fees and books by college authorities.
- Sports: Extra test in internal evaluation and honored at annual prize distribution function.
- Minority community: Scholarship, remedial coaching classes, Bus/Railway concession, special leave on their festival.

2.1.6 **Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.**

- The strength of the students for UG courses during the last four years is as follow

Year	Total No. of U.G.Students,BA	Total No. of U.G.Students, B.Sc
2010- 11	1499	161
2011-‘12	1599	197
2012-‘13	1648	323
2013- 14	1764	467

- (A)There is a remarkable increase in the number of students in UG program. It is a general trend throughout Gujarat.

Reasons:

- (i) Higher results in higher secondary (12th Std. – Science)
- (ii) Number of seats and colleges in professional courses is increased but facilities (infrastructural and human resource) are not increased.
- (iii) After completion of graduation in engineering or other courses limited scope for jobs in specific firms. At the same time, scopes of placement for science graduate/post graduate is increased.
- (iv) Students willing to appear for administrative services, TAT, B.Ed. choose for B.A & B.Sc. Graduation.
- (v) Huge population of students from rural background use to complete graduation along with their employment.

2.2 Catering to Student Diversity

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

- The institution takes utmost care to cater to the needs of differently-abled students. In admission, 3% of total seats reserved for differently-abled students belonging to all categories. Admitted students are provided with adoptable resources to encourage easy accessibility to the classrooms and in the laboratory for practical. During examination period, sitting arrangements are made on the ground floor to demand for them who have difficulty in climbing the stairs. They are treated as very gently and generously. Their problems are solved on priority basis by college administrative staff and teachers provide counseling to solve their difficulties. Such students are made to feel encouraged and enthused in their attempts to face challenges.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

Counseling process has been undertaken by the college before the admission process. Students are counseled by teachers to opt various streams and subjects as per their aptitude and skills. The academic performance of the students at the higher secondary board examination helps in assessing the knowledge before the commencement of the program. An orientation program is held in the beginning of the new term in which students are identified by Saptdhara college coordinator and other 'band' coordinators for various extra curricular activities. In this program detailed information regarding college history and various activities is provided.

2.2.3 What are the strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice? (Bridge/Remedial/Add-on/Enrichment Courses, etc.

- Flexibility in teaching (theory as well as practical) is deployed by the institution. Remedial coaching classes, assignment work, regular communication, etc. are the part of the strategies to ensure the reduction in the knowledge gap.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

- The institution has women's development committee and anti-ragging cell. Essay, debate, and skit competitions are organized on different social issues. Every year, the

college celebrates “International Women’s Day” and “National Girl Child Day.” A grievances cell for complaints lodged by women regarding sexual harassment at work place is also constituted in the college to deal with gender harassment issues. Our active NSS unit conducts guest lecture program, slogan competition, Beti Bachao (stop female feticide) Program, Save Environment, tree plantation, Green Campus programmes to sensitize the students on issues such as gender, inclusion, environment and human rights.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

- The institution conduct surprise tests, internal examinations, classroom interaction task-solving capacity, participation and performance in the co-curricular activities such as quiz, group discussion and seminar, students are identified as advanced learners. As a response of identification, such curious and advanced learners are trained as per their interest and capabilities. Personality development and ICT related programmes are also conducted for them. They are given special facilities in the library. Our teachers also spare extra time for them and our management felicitates such meritorious students with cash prizes in annual prize distribution function. This types of felicitation program is organize either on Republic day or Independence day. College authorities use to felicitate good students through prize distribution and giving them college certificates.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?

- Academic performance data of the students is collected by monthly test, team work, journal writing, quiz, etc. These data is analyzed to use that information for the students who are at risk of dropout. Special attention is given to the academic performance of the students coming from the disadvantaged section of society, slow learners, and physically challenged and economically weaker sections. They are provided special guidance and encouraged to continue their studies. Even personal and social problems of the students are often solved by faculty and principal.

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

- The academic activities of the institution are mainly based on the academic calendar of the affiliating university. In the beginning each department prepares departmental calendar or action plan, containing detailed proposed activities in the department like syllabus distribution, syllabus coverage, schedules, tests, academic tours, students' seminars, expert lectures, etc. Planning and preparations are also done for laboratory work. Charts and procedures for all the experiments are prepared and all these information is made available for students.

A mid-semester internal examination is conducted by the institution and semester examination is carried out by Gujarat University. The evaluation blue print is as under:

External evaluation by university : weightage 70%

Internal evaluation by college : weightage 30%

For internal evaluation of the students, college policy (according to Gujarat University guidelines) is as follow:

15% weightage for college (internal) test

05% weightage for assignments

05% weightage for attendance

05% weightage for seminar/quiz

For practical evaluation also the policy is as follow:

20% weightage for college (Internal) test

05 % weightage for attendance

05 % weightage for Journal/Viva voce/PractiacI skills

Moreover in the beginning different committees propose action plans of various activities such as sports, N.S.S., cultural programmes, etc. The head of the institution reviews work plan regularly.

2.3.2 How does IQAC contribute to improve the teaching –learning process?

- The contribution of IQAC to the improvement of the teaching-learning process is noteworthy. Without any students' feedbacks are collected at the end of every year.
- The IQAC identifies the needs of change traditional mindset of the personnel. It helps to equip them to meet the challenges on the basis of feedback. From the students and

other stakeholders, suggestions regarding teaching-learning methods has encourage us implement following welcome changes/improvements in:

- Computer-assisted learning
 - Seminar method
 - Group discussion and interaction
 - Use of Teaching Models, charts, etc.
 - Use of audio-visual aids
 - Project based learning
- Thus old established traditional methods of teaching are accompanied and aided by the new and innovative ways of imparting knowledge.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

- To make the learning more student-centric, we focus mainly on two things:
- (i) To inculcate the educational attitude among the students and
 - (ii) To know about their knowledge gaining capacity.

The support structures and systems are available for teachers in our institution to develop following skills among the students:

- Interactive Learning: While delivering the lecture, the teacher keep asking questions to the students to make sure that proper communication and interaction take place and teaching doesn't become merely a one-way process.
- Collaborative Learning: The teachers provide project work and arrange academic tours for collaborative learning. In various skill based co-curricular activities team work is encouraged.
- Independent Learning: For independent learning, the students are inspired to visit the library and prepare their notes themselves with the help of contextual reading. The students are encouraged to use internet for solving the problems given in home assignments.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

There is a regular practice to display the newspaper on library board and tables. Current references, through news papers are quoted and taught during lectures.

Moreover institution provides plenty of opportunities in the form of N.S.S., Saptdhara (seven bands – an initiative of Government of Gujarat) and Sandhan (An integrated classroom) to acquire exposure and life skills other than the routine syllabus. College has organized District level competition for such students.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

- To make the teaching more effective faculty members are using various learning like the use of OHP, micro/slide projector, T.V.-aided microscopes, LCD projector, interactive smart board, charts and models, etc. in classrooms and in laboratories.

The institution has a well-established library. In our library, there is a sizable collection of text books, reference books, BISAG video CDs, e-journals, etc. which can satisfy the needs and curiosity of the faculty members and the students also. Scope/DELL computer laboratory is also the source of modern technology.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

- Generally the affiliating university revises the syllabi every three years. For that latest books ‘published’ are added regularly in the library. The use of internet facility, research journals, magazines and daily newspapers help the students and faculty members to keep abreast of the recent developments.

The faculty members participate in national and international seminars, workshops, and conferences conducted at different universities/institutions. Our faculty members also attend Bhaskaracharya Institute for Space and Geoinformatics (BISAG) lectures telecast by the Higher Education Development. In summer vacation, they also participate in BISAG, two way communication conferences of their subjects and research methodology. The guest lectures by eminent scholars are organized to help students, research scholars as well as faculty members to keep pace with the recent development in their subjects. Academic and industrial tours are also organized. The faculty members are also encouraged to attend orientation and refresher courses which provide blended learning. Faculty members are actively involved in research which also helps them to be in touch with the recent developments in their subjects

2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/ mentoring/ academic advise) provided to students?

- Since the college establishment year 1963, there is always a good practice of giving personal guidance, academic and psychological support to needy students to encourage them for betterment. They are also given guidance regarding job placement by career counseling cell – UDISHA. Students having problems with communication skills are asked to join Scope/DELL. It has been mandatory to appear for scope exam. English department has undertaken Project for Teach English in Rural Schools. Our SC, ST and OBC students are benefitted by state government scholarships. A great number of students get this benefit. CWDC to organize several programmes for Female students. Girl students are counseled for women empowerment. Department of NSS and NCC are playing major role in such type of guidance.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

- The details of innovative teaching methods adopted by the faculty members are enumerated below:
 - Computer-assisted learning.
 - Industrial visit for practical knowledge.
 - Educational tour and biological excursion.
 - Use of LCD, class room Button mike and interactive panel in classrooms.
 - Community outreach programmes for the benefits of students and community through N.S.S.
 - Internet in all science departments to access e-content.

The institution motivates the faculty members to adopt innovative approaches by providing ICT arrangements and infrastructure. Such innovative practices have wide impact on students' learning. Our one faculty member district competition for innovative project work.

2.3.9 How are library resources used to augment the teaching-learning process?

- We have a very rich library. The maximum use of library resources is done by the staff and students for the augmentation of the teaching-learning process. There are about more than 30000 text books, reference books, journals, magazines and periodicals in our library. Now it is well equipped with modern technological facilities like computers, CDs, internet, KOHA Software . We have a huge collection

of audio-video CDs of lectures on different subjects delivered through BISAG programmes.

Besides, there is a facility of book bank for poor students. Book exhibition, “Vanche Gujarat” program, etc. are organized by our librarian with the help of college Saptdhara coordinator. The librarian helps the students in selecting and getting the books of their need.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If ‘yes’, elaborate on the challenges encountered and the institutional approaches to overcome these.

- No, Our institution generally does not have to face a big challenge in completing the curriculum within the planned time frame. All staff members plan their teaching work according to academic calendar and complete the syllabi in time. But in special circumstances like natural calamity, election schedule of the state, strikes called by teachers’ union, etc. the faculty members are not able to complete the syllabus within stipulated time and then our teachers arrange extra classes to overcome the deficit.

The university had introduced semester system from 2011-12 (for UG level), so we have two systems simultaneously: annual and semester. It was very difficult to manage both with the lack of faculty but we took help and even at present we take help from senior students to overcome this difficulty.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

- Regular feedbacks are obtained from the students at the end of every year. A feedback form has been formulated by our management and is issued to the students to get his/her views. Feedback result-analysis is done at the conclusion of examination by the IQAC. The principal resolves issues if any. The result of the university (end semester) examinations is also used to evaluate the quality of teaching learning. Subject-wise results of mid-semester internal examination and end term (university) examination are sent to management as soon as these results are declared. Thus IQAC, principal and management monitor and evaluate the quality of teaching learning.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

As a grant-in-aid college, faculty members are recruited according to the policy of Gujarat Government but the principal has an option of appointing visiting lecturer whenever it is necessary. The approval of such appointments is given by our management and the remuneration expenditure of these lectures are borne by the management. The selection of these lecturers is done on their merit and teaching competency.

Stream	Department	M.Phil						Ph.d						
		Completed		Ongoing		Guide		Complete		Ongoing		Guide		Stud.
		M	F	M	F	M	F	M	F	M	F	M	F	
Arts	Gujarati	-	-	-	-	1	-	1	-	1	-	-	-	1
	History	-	1	-	-	-	-	1	1	-	-	-	-	
	Sanskrit	-	-	-	-	-	-	2	-	-	-	1	-	5
	Psychology	1	1	-	-	-	-	1	-	1	1	1	-	7
	English	-	1	-	-	-	-	-	-	1	-	-	-	
	Economics	-	-	-	-	-	-	-	-	1	-	-	-	
	Hindi	-	-	-	-	-	-	-	-	1	-	-	-	
Science	Chemistry	-	-	-	-	-	-	5	1	1	-	3	-	6
	Physics	2	-	-	-	-	-	-	-	1	-	-	-	3
	Micro	-	-	-	-	-	-	2	1	-	-	1	1	
	Biology	-	-	-	-	-	-	1	-	-	-	-	-	
	Maths	-	-	-	-	-	-	-	-	-	-	-	-	
Total	12	3	3	-	-	1	-	13	3	7	1	6	1	22

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

- The institution copes up with the growing demand/scarcity of qualified senior faculty members to the new programmes in following ways :
- By inviting senior ex-faculty members as visiting faculty.
 - By inviting guest faculty from other institutions.
 - By sending our teachers in the training as the new programmes (eg. Computer) under KMPF (Knowledge Management Program for Faculty), etc.
 - By encouraging the faculty and students for intensive use of internet.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

(a) Nomination to staff development programmes

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	05
HRD programmes	00
Orientation programmes	00
Staff training conducted by the university	04
Staff training conducted by other institutions	02
Summer / winter schools, workshops, etc.	15
Conferences	110
Research training	12

(b) Please give detail of faculty training programmes organized by the institution.

Note : -

- Teachers are inspired to participate in Workshop on research methodology
- Personality development seminar organized by junior jesis.
- Computer training program for nonteaching and teaching staff by college.

(c) Percentage of faculty :

- Invited as resource persons.....: 05%
- Participated in external workshops.....: 90%
- Presented papers in workshops: 35%

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

- The college encourages and fully supports the professional development of faculty through deputation to faculty development programmes. Liberal Leave Policy is there for faculty participation in conference/seminar/workshop. Registration fees are paid by the institution. The faculty members are encouraged to apply for minor and major research projects. FOUR minor research projects funded by UGC are completed in Chemistry Department. Researchers are permitted to use laboratories with sophisticated instruments, library facility, broadband internet computer facilities for their work. Our 07 faculty members are recognized as Ph.D. guides, 01 M.Phil guide and 21 students are pursuing their research work under their guidance. Our faculty members have published more than 50 research papers in national as well as

international journals. The college has actively participated in conducting a three-day workshop (sponsored by Knowledge Consortium of Gujarat, Gandhinagar) at Dehgam and 70 faculty members of different colleges of Gandhinagar district have actively participated and prepared minor research project proposals.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

- 07 faculty members are recognized as Ph.D. guides and 01 M.Phil guide. Two faculty members are recognized by state government as a Microbiologist for developing Microbial Biodiversity Board.

This is due to well-established traditions of the institution for the promotion of research and encouragement for staff development.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

- Yes, At the end of academic year, college organizes a feedback session where students are given a feedback form (prepared by our management) which includes various aspects such as knowledge base of a teacher, communication skills, sincerity, punctuality, commitment and interest generating teaching method etc.

All these feedbacks are analyzed and the result of analysis is circulated to faculty members. If necessary, new strategies are evolved and suggestions are taken by certain teachers.

We have alumni association and parent body (meeting held on 05-10-2013). They also provide feedbacks regarding teaching-learning and evaluation process of the institution.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

The evaluation processes are communicated to the students and parents through the prospectus at the time of admission. The first year (Sem – I) students are also informed about evaluation processes by the head of the department on the ‘welcome day. All subject teachers inform the students about criteria and method of internal evaluation in theory and practicals. The university circulars describing the scheme of examination and weightages of internal and external evaluation are communicated to all the faculty members and administrative staff in staff meeting. Any change in this regard is immediately circulated to staff members. Students are also made aware of such changes by displaying the university circular regarding the change, on college notice board.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

- As the Gujarat University has introduced choice based credit system (CBCS) for all the UG, semester system has also come into force. The evaluation processes are as per the rules and regulations of Gujarat University.

The major evaluation reforms of the Gujarat University that the college has adopted are as under :

- The ratio of marks in core compulsory subject is 70% through external evaluation and 30% through internal evaluation.
- The internal evaluation becomes continuous evaluation.
- The internal evaluation includes unit wise assignment, seminar/quiz, attendance and one internal test examination.
- The weightage of 15 marks out of 30 marks of internal evaluation is given through internal evaluation. Remaining 15 marks are allotted to assignments, seminar/quiz and attendance.
- In theory exam, each paper has a compulsory objective question to assess the students’ depth and understanding in the subject and to improve his/her performance.

The major evaluation reforms initiated by the college are as follow :

- Students are given freedom to choose the topics in their seminars.

- Attendance in every lecture/practical is taken compulsorily. In science practical, session, attendance is necessary and parents are informed immediately about the irregularity of the student concerned.
- The result of internal examination is displayed on the departmental notice board.
- We also try to analyze students' major mistakes and problems in examination with the help of the input from the teachers and teachers explain these mistakes in the classroom also.
- For practical internal evaluation also 15 marks (out of 30) are assigned to project work, journal writing, viva-voce and attendance as per departmental need.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

- In order to ensure effective implementation of the evaluation reforms a separate examination committee. Established this committee takes utmost care to see that all the reforms are properly implemented and examinations are held in a fair and healthy atmosphere so that no harm is done to the interest of the students. Following steps are taken by the college:
 - All the staff members are involved in the examination/evaluation work.
 - To prevent any kind of malpractices/unfair means in the examination, candidates are asked to keep their shoes/chappals, socks and bags outside the examination hall. This is perhaps the unique practice of our college.
 - Students are not allowed to take mobile or any electronic instruments in the examination hall.
 - In internal examination brown stickers are pasted on the answer sheets to cover the identification of the candidate on the answer book.
 - In university examinations, bar coded stickers are used as per university rule.
 - A student can apply for rechecking of answer book within 15 days after the declaration of internal/university examination. At final year university examination, reassessment of the answer book is also done. A candidate has to apply in prescribed form with necessary fees decided by university.
 - There is an unfair means prevention committee at university level. The head of the institution and members of examination committee do that work for internal examination.

2.5.4 Provide details on the formative and summative evaluation approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

- The formative evaluation is continuous and comprehensive that act as an effective tool for assessing the overall personality of students. The following methods have been adopted for this purpose:
- Students' seminar.
 - Assignment writing
 - Industrial/academic tour/excursion
 - Group discussion/ quiz competition
 - Social activities, overall attendance and participation in intercollegiate competitions.

The students' evaluation is done by written examinations. We hold mid term (semester) internal examination prior to the summative examination of the university. This helps the students to know actually where they stand and also know how they can perform better in the university examination. This has a very positive effect and students remain studied throughout the semester with their personality development.

2.5.5 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the student's results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

- The institution monitors the performance of the students in following ways:
- Academic performance is monitored through assignments, quiz, seminar, project work and mid term internal examination.
 - Regularity is monitored by recorded overall attendance of the students.
 - Personality development is monitored by the participation of the students in extracurricular activities like N.S.S., Saptadhara (seven bands), sport and cultural events.
 - As soon as the university examination result is declared, departmental meetings with principal are held in which the progress and performance of the students are discussed on the basis of university result analysis. In the meetings problem and drawbacks are also discussed and new teaching strategies are developed and implemented. The result of these efforts is that the university results increase gradually every year.

• Results of the last Six years.

B.A

Sr No	Class	Year	Total Student	Student Appeared in exam	Total Pass	Pass %	Dist.	1 st	2 nd	Pass	AT KT	Pass % Without ATKT	Date
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	F.Y.B.A	2008-2009	-	655	554	85.58		19	145	205	189	59.72	27/5/2009
	S.Y.B.A.	2008-2009	-	498	447	89.76	-	29	198	171	49	79.91	6/1/2009
	T.Y.B.A	2008-2009	-	465	341	73.33		15	189	137	-	73.33	6/5/2009
2	F.Y.B.A	2009-2010	-	639	436	68.20		19	94	145	180	40.06	6/3/2010
	S.Y.B.A.	2009-2010	-	544	458	84.19	-	22	147	194	95	66.72	6/5/2010
	T.Y.B.A	2009-2010	-	424	358	84.43		46	189	123	-	84.43	6/5/2010
3	F.Y.B.A	2010-2011	633	624	501	80.29	-	15	140	216	130	59.46	6/9/2011
	S.Y.B.A.	2010-2011	412	408	321	90.93	-	10	123	142	46	79.65	13/6/2011
	T.Y.B.A	2010-2011	454	449	339	75.50		26	175	138	-	75.50	16/6/2011
4	SEM 1	2011-2012	730	609	280	45.98	-	33	120	127	-	46.97	3/1/2012
	SEM 2	2011-2012	588	543	425	78.27	1	14	123	149	-	78.26	5/1/2012
	S.Y.B.A	2011-2012	599	560	512	91.43	-	11	159	202	140	66.43	15/6/2012
	T.Y.B.A	2011-2012	412	392	345	88.00		30	185	130	-	88.00	18/6/2012
5	SEM 1	2012-2013	765	642	385	59.97	-	16	217	152	-	61.82	10/12/2012
	SEM 2	2012-2013	642	631	508	80.51	1	51	293	163	-	80.51	5/15/2013
	SEM 3	2012-2013	510	490	342	69.79	-	35	192	115	-	69.79	12/5/2012
	SEM 4	2012-2013	475	464	374	80.60	1	46	219	108	-	80.60	15/06/2013
	T.Y.B.A	2012-2013	531	527	356	67.55	-	35	164	157	-	67.55	16/6/2013
6	SEM 1	2013-2014	765	672	385	57.86	-	11	165	209	-	57.86	12/12/2013
	SEM 2	2013-2014											
	SEM 3	2013-2014	582	563	411	73.00	1	9	172	229	-	70.78	Dec-13
	SEM 4	2013-2014	556	553	436	78.84	-	17	247	172	-	78.84	6/13/2014
	SEM 5	2013-2014	458	446	402	90	-	34	225	143	-	90.00	12/5/2013
	SEM 6	2013-2014	443	438	276	63.01	1	30	180	65	-	58.44	17/06/2014

B.Sc.

Sr. No	Class	Year	Total Student	Student Appeared in exam	Total Pass	Pass %	Dist.	First	Second	Pass	AT KT	Pass % Without ATKT	Date
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	F.Y.B.SC.	2008-2009	-	61	50	81.96		17	25	5	3	77.49	12/5/2009
	S.Y.B.SC.	2008-2009	-	57	56	99.00		23	26	2	5	89.47	14/05/2009
	T.Y.B.SC.	2008-2009	-	60	58	98.66		30	26	2	-	98.66	22/5/2009
2	F.Y.B.SC.	2009-2010	-	50	40	80.00		13	23	2	2	76.00	28/05/2010
	S.Y.B.SC.	2009-2010	-	53	48	90.56		17	28	3	-	90.56	28/5/2010
	T.Y.B.SC.	2009-2010	-	54	37	68.51		15	21	1	-	68.51	1/6/2010
3	F.Y.B.SC.	2010-2011	71	70	48	68.57		10	26	3	9	55.71	28/05/2011
	S.Y.B.SC.	2010-2011	42	42	40	95.23		25	15	0	0	95.23	28/3/2011
	T.Y.B.SC.	2010-2011	48	48	47	97.91		10	29	8	-	97.91	28/03/2011
4	SEM 1	2011-2012	113	77	62	80.81	2	29	31	0	-	80.81	1/3/2012
	SEM 2	2011-2012	76	74	54	72.97	6	32	16	-	-	72.97	1/5/2012
	S.Y.B.SC.	2011-2012	76	75	68	90.66		34	30	4	-	90.66	15/6/2012
	T.Y.B.SC.	2011-2012	45	45	40	88.88		21	15	4	-	88.88	18/06/2012
5	SEM 1	2012-2013	212	180	142	78.89	3	25	101	13	-	78.89	10/12/2012
	SEM 2	2012-2013	176	173	150	86.70	21	63	64	4	-	87.86	12/5/2013
	SEM 3	2012-2013	86	75	75	100.00	1	20	48	6	-	100.00	13/12/2012
	SEM 4	2012-2013	75	73	52	71.23	2	25	24	1	-	71.23	25/03/2013
	T.Y.B.SC.	2012-2013	72	69	51	73.91		25	24	2	-	73.91	18/06/2013
6	SEM 1	2013-2014	279	233	125	53.64	1	12	85	27	-	53.64	Dec-13
	SEM 2	2013-2014	228	223	128	57.40	6	36	81	5	-	57.40	
	SEM 3	2013-2014	174	168	124	73.80	5	27	77	15	-	73.80	Dec-13
	SEM 4	2013-2014	168	168	132	78.57	9	37	75	11	-	78.57	
	SEM 5	2013-2014	72	72	65	90.27	-	15	43	7	-	90.27	10/12/2013
	SEM 6	2013-2014	71	71	51	71.83	-	14	34	3	-	71.83	20/06/14

Academic Year	Name of the course/ programme	UG	
		% College Result (B.Sc)	% College Result (B.A)
2009-10	F.Y.	76.60	40.06
	S.Y.	90.56	66.72
	T.Y.	68.51	84.43
2010-11	F.Y..	55.71	59.46
	S.Y.	95.23	79.65
	T.Y.	97.91	75.50
2011-12	Sem I	80.81	46.97
	Sem II	72.97	78.26
	S.Y.	90.66	66.43
	T.Y.	88.88	88.00
2012-13	Sem I	78.89	61.82
	Sem II	87.86	80.51
	Sem III	100.00	69.79
	Sem IV	71.23	80.60
	T.Y.	73.91	67.55
2013-14	Sem I	53.64	57.86
	Sem II	57.40	N.A
	Sem III	73.80	77.78
	Sem IV	78.57	78.84
	Sem V	90.27	90.00
	Sem VI	71.83	58.44

The institution communicates the progress and performance of the students through display on the notice board and different functions celebrated by the college.

2.5.6 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

The Gujarat University has adopted CBCS pattern at UG and PG levels. Definite norms given by the university for the internal evaluation like

- Attendance: 05% (regularity-behavioral aspects)
- Assignments: 05% (writing skill)
- Seminar/quiz: 05% (independent learning/communication skill)
- Internal examination: 15% (categorization of slow and advanced learners)

We follow these norms rigorously and achieved good results due to this process as stated earlier.

For transparency :

- Use of brown stickers on answer sheets.
- Display of students' internal examination marks on notice board.
- Preservation of written answer books for two years.
- Display of internal evaluation on the notice board before submitting the same to the university. The students are informed to report any discrepancy in marks to the principal and the principal asks the respective head of the department for necessary action.

2.5.7 Does the institution and individual teachers use assessment/evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

- Yes, the institution and individual teachers use assessment/evaluation as an indicator for evaluating students' performance. The following procedures are used as indicator of students' performance.

ASSESSMENT CRITERIA	LEARNING OUTCOME
Attendance	Regularity and punctuality
Written examination	Improved flow of thoughts
Practical examination	Getting better understanding and scientific creativity
Industrial visit	Gaining hands-on experience
Research/Project work	Inculcate in-depth knowledge

2.5.8 What are the mechanisms for redresses of grievances with reference to evaluation both at the college and University level?

- The institution follows open evaluation system for internal assessment where the student performance is displayed on the notice board. All grievances regarding evaluation including the internal marks awarded to the students are redressed by the respective head of the department.
- There is a provision for rechecking and reassessment (in final year) of university marks. The student should apply for the same within 15 days from the declaration of university results. The university appoints a neutral panel of examinations for reassessing the answer sheet.
- Open Day is held after exam and students can see their assessed answer sheets in English Department. This shows transparency in our assessment.

2.6 Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

- Yes, the learning outcomes are clearly stated in the institution goal, vision and mission. These learning outcomes are given in the institutional admission form and are discussed at various stages throughout the year.

2.6.2 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

- The college deputed teachers to participate in teaching-learning training programmes, seminars/workshops. They are provided monetary help. The students are given special guidance for competitive examinations and the training for their future development.

We arrange expert lecturers, academic tour and various co-curricular activities to facilitate the achievement of intended learning. Special emphasis are put upon the use of library, internet, and interactive activities in order to achieve the intended learning outcomes. A well defined structure is established and headed by the principal who continuously monitors the achievement level of learning outcome. A number of committees headed by senior faculty members are working in the particular field.

2.6.3 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?

- The college has adopted a policy to focus on the holistic development of students under the guidance of knowledge consortium of Gujarat. We have Saptadhara Programmes which aim to develop students' intellectual, social, creative, cultural and physical abilities. The extension activities of N.S.S. help in generating awareness about social issues and problems.

We have formed career counseling and placement cell to help the students to get jobs. Vocational guidance is also given by UDISHA. Classes are conducted to prepare the students for competitive examinations like GPSC, UPSC, bank job examination etc. Some companies hold campus interviews and offer jobs to the skilled students. IIME & OAKBROOK BUSINESS SCHOOL has organized a counseling seminar for our students Research aptitude developed in the students by soil health card program of Gujarat Government.

2.6.4 How does the institution collect and analyse data on student learning outcomes and use it for planning and overcoming barriers of learning?

➤ We collect and analyze the data of university (end semester) results. Keeping the analysis of the data in mind, we arrange remedial coaching classes for slow learners and for the students in their weaker sections. Apart from this, the institution has the feedback system where the grievances of the students are taken care of, The institution takes following steps to overcome barriers in learning outcome:

- Addressing grievances.
- Encouraging students to write in short and descriptive method.
- Emphasis on regularity and punctuality of the students.
- Communication in English through Scope/DELL.

2.6.5 How does the institution monitor and ensure the achievement of learning outcomes

After declaration of the university results of all semesters, the HOD will observe and analyze the results of all students. Comparison is made between the past and present results, special achievements and ranking, reasons will be identified and students.

- Attendance is mandatory encouraged for every lecture and practical
- Co-curricular activities are carried out.
- Saptdhara activities also ensure the achievement of learning objectives
- The class tests are valued immediately and marks are recorded
- Assignment are collected and accessed periodically
- Remedial coaching classes are arranged for SC/ST students
- In library visit of students register is maintained
- Quiz competitions are conducted in class room and laboratory also
- Department wise result analysis is done after the declaration of University results in every semester.

**2.6.6 What are the graduate attributes specified by the college/affiliating university?
How does the college ensure the attainment of these by the students?**

The attributes of graduation are as under :

Student should be an open minded real human being.

- Student should be a lifelong learner
- Student should become a good citizen of India
- Student should have clarity about the subject
- Student should have develop disciplined manners

For ensuring such attainments:

- Personality development programme
- Alumni association meeting
- Teaching-learning methodology improvements
- Campus interview and counselling.

Any other relevant information regarding teaching-learning and evaluation which the college would like to include:

- An experiment was carried out, performing teaching and learning process outside the college. Students are going for various camps like NSS, NCC, Study tour ,historical place visit etc, are taught for their respective subjects in outdoor environment. This has helped increasing student grasping power as well as their concentration.
- English Department has undertaken a project for teaching English in rural schools, through participation of students from English department. This type of project was followed by Sanskrit department. Sanskrit department use to organise Sanskrit language examination for external academic groups that are working for Sanskrit upliftment programme.
- Open Day is held after exam and students can see their assessed answer sheets in English Department. This shows transperance in our assessment.

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



Criterion - III

Research, Consultancy and Extension



Criterion - III

Research, Consultancy and Extension

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

- Yes, The Chemistry, Microbiology, and Biology departments are recognized Gujarat university research centres. The Chemistry department is also recognized Ph.D. center by Pacific University Udaipur and J.J.T.U University, Udaipur.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

- Yes, the institution has following research committee to monitor, to encourage and to address the issue of research.

Convener:- (1) Dr.K.C.Deshmukh. (Principal)

(2) Prof.C.K.Mewada. (Vice Principal)

Adviser :- (3) Dr.M.R.Mehta. (Head, Chemistry department.)

Members:- (4) Prof.M.A.Macwan (IQAC Coordinator)

Dr.J.R.Prajapati. (Head, Biology Department)

(5) Dr.Jigar Parikh. (Head Psychology Department)

The research cell acts as a supporting and enabling system for faculty members to pursue their research career successfully along with teaching.

Major Function of committee :

- To facilitate and promote the research in the institution
- To encourage the faculty members to prepare and to submit minor and major research projects.
- To conduct special sessions by inviting visiting experts from various fields to enhance the quality of research and research interest among the faculty members and students
- To honour the faculty members and students who have obtained Ph.D. degree, Ph.D. Guideship and research achievement etc. on the college annual day celebration.

Recommendation :-

The following are the recommendations of the committee for research activity

- To register the research students under the guidance of all recognized Ph.D. Guides.

- To analyze the soil samples for soil health card programme offered by Gujarat Government.
- To create the research culture among the faculty members and students
- Organize three day workshop on “Promotion of culture of quality through research.”
- To attend or to organize seminars, conferences and workshops.

The following are the major objectives identified by the committee.

- To encourage all researchers to pursue research according to the demand of industry.
- To develop an attitude for research among both faculty members and SC/ST/OBC adivasi students.
- To motivate the students to attend the seminar, workshop, conference and symposium.

Impact of Recommendations

- Due to the recommendation and encouragement, our Institution has Five University recognized Ph.D. Guide in science department and Two in Arts, and one M.Phil Guide.
- Due to the recommendation and encouragement, six minor research projects were approved from UGC during last five years, two research projects are ongoing
- In last three years eight faculties from Arts and science have attended research workshop organized by KCG.research, have also presented and published the research paper.
- More than 10,000 soil samples were analyzed by students and faculty members.

Research activities

The following are the research activities performed by the faculty members of the institution during last five year. Put our seminar data.

No. of activities / Faculty Name	Seminar/ Workshop/ Conference, Short term Course, Talim Sibir
Principal Dr. K.C.Deshmukh	10
Vice Principal C.k.Mevada	20
Prof. M.A.Macwan	28
Smt. K.D.Patel	10
Prof.P.H.Solanki	10
Prof. H.L. Joshi	03
Prof.R.M.Joseph	05

Prof B.M.Patel	12
Dr. H.K.Solanki	10
Prof. J.G.Kamaria	02
Dr.J.G.Parikh	12
Prof.R.N.Parmar	10
Prof.R.M.Patel	08
Dr.D.A.Thakar	08
Smt. J.D. Gajjar	10
Prof. F.B. Vasava	12
Prof.A.R.Chaudhary	10
Dr.D.P.Patel	12
Prof.R.C.Patel	10
Dr.J.M.Chaudhary	07
Dr.B.V.Raol	14
Dr.R.P.Patwa	04
Dr.M.R.Maheta	10
Dr.B.C.Chauhan	08
Dr.J.R.Prajapati	08
Prof.D.A.Raval	05
Prof.T.J.Patel	05
Dr.S.B.Thakor	15
Prof.A.V.Parikh	11
Prof.S.B.Kansara	15
Prof.M.N.Patel	06

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

- **Autonomy to the principal investigator** : Yes
The principal investigator is given autonomy in terms of flexible teaching time and using the college resource for this purpose.
- **Timely availability or release of resources** : Yes
The investigating team is given resources well in time in terms of release of funds, computers and infrastructure by college
- **Adequate infrastructure and human resources** : Yes
The college provides adequate infrastructure in terms of laboratory and equipment.
- **Time-off, reduced teaching load, special leave etc. to teachers** : Yes
Special leave is granted to the teachers involved in research activity except reducing teaching load.
- **Support in terms of technology and information needs** : Yes
The college provides computer with internet connectivity and library.

- **Facilitate timely auditing and submission of utilization certificate to the funding authorities:** Yes

The college facilitates timely auditing and submission of utilization certificate to the funding authorities.

During last five years the FOUR minor research projects were completed and final audited reports and utilization certificates were submitted to UGC (WRO), Pune. Last year UGC (WRO) Pune has sanctioned two more minor research projects.

All departments are actively involved in research activities to develop skilled and research cultured students to serve the society in general and for academic excellence.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

- To develop the science temper and research culture, the following efforts have been made by the institution. Students are asked to attend Bhaskaracharya Institute for Space and Geo informatics (BISAG) programmes and are encouraged to prepare presentations on different selected topics related to curriculum. The guidance is provided to the students for reference work, to prepare transparency for OHP and power point presentations. Students are informed about the research carried out by college faculty members. All these activities create research culture among the students. The students also encouraged participating on poster presentation and guidance and research aptitude among the students are developed by faculty member.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

- Following faculty members of our college are recognized research guides of different universities and are actively engaged in research.

Sr. No.	Name of faculty	No. of research students		Name of affiliated university
		Awarded Ph.D.degree	Continue Ph.D.work	
1	Dr.M.R.Mehta	--	06	Pacific University
2	Dr.B.V.Raol	--	03	Gujarat University
3	Dr.J.R.Prajapati	--	-	Gujarat University
4	Dr.B.C.Chauhan	--	--	Gujarat University
5	Dr.Rupal patwa	--	--	Pacific University
6	Dr.Jigar parikh	--	04+03	Gujarat university Rai University
7	Dr. J.R.Chaudhary M.Phil	--	01	South Gujarat University
8	Dr. H.K.Solanki	01	04	Pacific University 86

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbining research culture among the staff and students.

➤ For capacity building in terms of research and imbining research culture among staff and students, the institution has conducted following programmes.

• **District Level training programme**

1. Active roll in Organizing three day workshop on " Promotion of Culture of Quality through research"

District

Coordinator : Dr.K.CDeshmukh, (Principal)

Dr.Vedant Pandya, Director,KCG.

Research and Innovation Knowledge Consortium of

Gujarat, Ahmedabad

Place : Dehgam College, GandhinagarDist.

Date : 2nd to 4th April, 2012

Beneficiary : Faculty members of Gandhinagar District colleges were benefitted

2. Organized college level JESIS club Sponsored workshop on "Personality development, interview techniques, communication skills, goal setting and inferiarity complex"

Coordinator : Dr.M.R..Mehta (Head Chemistry Department)

Shri.P.H.G.Arts &Science College,

Place : Kalol,Gandhinagar

Date : 12, 13, and 14th March 2012

Beneficiary : 90 Students

3. The college has celebrated 150th Birth anniversary of Swami Vivekananda on 12th January,2012 and organized expert lecture for motivation and guidance to the college students for their Career and personality development. Mr. Sanjeev Mehta was invited to conduct the program.

3.1.7 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

- The faculty members of the institution have completed total 05 U.G.C funded minor research projects and published NINE research papers on various aspects.. The finding of the results were published in reputed national and international research journals.
- Some Chemistry faculty members are expert in soil and water analyses. The relative findings of the research scholar on soil and water analyses were transferred to poor adivasi and economically backward farmers by providing necessary information, suggetions and guidance for the production of profitable agro products.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

- The Partial budget is earmarked for BSc and B.A students The institute promotes research and development by extending financial support to the faculty members and students to purchase the glass wares, instruments and research journals. During 11th plan college had received the additional assistance of Rs. 21.60 Lacks and total amount was spent for the purchase of instruments related to science laboratories, and other office equipments.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

- No, the institution does not provide any seed money to the faculty members for the research. But the institution provides laboratory, library and other infrastructural facilities like computer, subjective software and internet etc. The faculty members can make use of college glasswares, equipments, books, and research journals for their research activities.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

- Microbiology & Chemistry department involved in the research work and have presented the research paper related to their work.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

- Computer and internet facility is provided
- Separate research laboratory facility for chemistry is provided
- The institute has well stocked library which includes reference books, text books and journals of all relevant subjects. Some staff member are life member of research journals.
- Freedom to work for research during office hours to all faculty members and research students. All sophisticated instruments of different departments are made available to the faculty members and students for research activities.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

- We have received grant form UGC to conduct minor research projects. Five research projects have been completed and two are ongoing

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organisations. Provide details of ongoing and completed projects and grants received during the last four years.

- The college provide its full support to receive research projects from U.G.C and from other funding agencies.

Any interdisciplinary research projects are not conducted in the college but college has interdisciplinary program SCOPE, total 4000 students passed "A" level SCOPE examination.

Ongoing/completed minor research projects by faculty members during last five years are as follow :

Dr.K.C.Deshmukh

Project Title: (1) UGC Sponsered Minor Research Project (F-23-95/98 - 14th Aug. 1998) Isolation and Identification of *Azospirillum* from North Gujarat Region.

Dr.M.R.Mehta

Completed soil analysis program as a Co-ordinator in our college as a part of Swarnim-Gujarat in 2010-2011.(Rs 9 Lakh) In which 12000 soil sample of kalol taluka region.

Minor Research Project named "PHOTOCHEMIL BEHAVIOUR SODIUM NITROPRUSSID"has been completed.

Dr. Bakul C. Chauhan

P.hD in Title " SYNTHESIS AND STUDY OF MESOGENIC MATERIALS"

Minor Research Project named " SYNTHESIS AND STUDY OF MESOGENIC MATERIALS"

Prof. Deven A. Raval

Minor Research Project named “ A Comparative Study Of Nuclear Properties Using Garvey Kelson Relations “ was section on March ,2013 for **Prof. Deven A. Raval**

Prof. Sanjay Kansara

Minor Project Title : Studies on Nanostructured Mixed Valent Manganites for Spintronics applications was section on March ,2013

Prof J.R.prajapati has completed a Minor research project,

Ecology and microbiology of drinking water sources of north Gujarat region.

F.No-23-260\99WRO.

-

Dr. J.G.Parikh completed one minor research project.

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

- Though its a UG college, the research facilities available to the students and research scholar within the campus are as follows.
 - Well equipped library with adequate learning resources
 - Chemistry research laboratory
 - Unlimited internet facility
 - Dell laboratory
 - The facility of audio-visual aids like laptops, LCD projector, OHP, Printer, Scanner and Smart board are available.

The students and research scholars, utilized the institutional research laboratory for synthetic purpose. After performing some initial preliminary analyses, the students and research scholar perform the following analyses at different laboratories.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- The institutional strategies for planning, upgrading and creating infrastructural facilities are as follow :
 - Upgradation of more research journals in the library
 - To purchase more sophisticated instruments in the laboratory.
 - Planning to install scientific software and application based softwares.
 - Planning to sign MOU with research centers and agency.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If 'yes', what are the instruments/ facilities created during the last four years.

- Yes, the institution has received grants from UGC and from Gujarat govt for soil testing project. The funds have been utilized to purchase following instruments to create research facilities :

Flame photometer, UV-visible spectrophotometer, Polarogram, Incubator, Research binocular microscope, U.V-tube, BOD bottles, Incubator, Digital photoelectric colorimeter, etc.

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

- Some faculty members of this institution have healthy relation with S.P.University, Bhavnagar University, Saurashtra University, University of Pune, Banaras Hindu University (Varanasi U.P) and Calcutta University. The research students of our college can perform research work, use their instrumental facilities and library at the said above universities. The departments of above universities provide research facilities after permission from the Head of the department of said Universities.

3.3.5 Provide details on the library/ information resource centre or any other facilities available specifically for the researchers?

- E resources facilities like N – list library, national and international journals, internet facility are made available to researchers. Gujarat University, Ahmedabad has a INFLIBNET center. Many research students and scholars are informed to become a member of INFLIBNET. International research papers of around 24 research journals can be down-loaded free of cost directly from the journals.

3.3.6 What are the collaborative researches facilities developed / created by the research institutes in the college? For ex. Laboratories, library, instruments, computers, new technology etc.

- Faculty members or students may collaborate at their own level with other laboratories, library, research organization, industry within/outside the campus. There is a separate research laboratory in the institution and student can perform the experimental work without any interference.
 - The institution has made certain collaboration with some regional and allied institution of nation. As stated in questionnaire 3.3.4 the research students and scholars can perform their research work after the permission from Head of the department of respective institution. The institution is happy to say that Head of department of respective institution generally permit us to use their laboratory and instrumental facilities. Moreover they also solve the research problems arising during our research tenure.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

➤ Patents obtained and filed (process and product) - : Nil

• **Original research contributing to product improvement** : nil

• **Research studies or surveys benefiting the community or improving the services:**

The research carried out on Soil and water analyses benefits the local adivasi community to make more fertile agriculture land. Water analysis focused for high Floride level in drinking water sources.

Research inputs contributing to new initiatives and social development

Research projects completed on soil and water analyses by the college faculty members are related to the regional problem. Their findings are beneficial to the local people and industries. The project reports were submitted to funding agencies and the results are published. Industries and society are benefited by such research findings.

The survey regarding the eye test has been conducted by the N.S.S. Unit, of the college during camp program. The three eye check up camps were organized in rural area in different villages. The medical helps were also provided to the poor and backward people by N.S.S unit and Rotary club, Gandhinagar.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Nil

3.4.3 Give details of publications by the faculty and students:

- Dr.M.R.Maheta has published, Study of photochemical Reaction Involving Nitrosyl Pentacyanoferrate Dithionate System- Journal of Indian council of Chemistry- P.197-201 Vol.27(2) 2010
- A study of the growth of Allium Cepa under some photocatalytic Conditions- Advances in Applied Science research- Accepted AASR-2010-418, March 2011
- Dr.B.V.Roal has published research paper in international journal BIOSCIENCE GUARDIAN
- Dr. K.C.Deshmukh has published research paper in online international journal.
- Prof. S.B.Kansara has published below papers
 - (1) Studies on Mono-valent $La_{1-x} Na_x MnO_3$ - ISBN- 978-92306-90-2
 - (2) Structure-property Correlation in $La_{1-x} Na_x MnO_3$ Manganites - ISBN – 81-8372-065-X
 - (3) Structure-property Correlation in Monovalent Mixed oxide $La_{1-x} K_x MnO_3$ ($0.0 \leq x \leq 0.3$) Manganites. ISBN – 81-8372-065-4
 - (4) Structure-transport correlations in mono-valent Na^+ Doped property $La_{1-x} Na_x MnO_3$ Manganites – Advance Materials Research – ISSN- 1662-8985

- Dr. Kalaben Patel has published a book in Sanskrit.
- Dr. H.K.Solanki has published two books in Sanskrit
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-
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Dr.J.R.Prajapati. has published several pares as follow.

Sr No.	Title	Name of Journal	Page No.Year of Publication	Status
1.	Physico-Chemical&Bacteriological Cheracteristics of six different brands of Packaged bottled drinking water samples distributed in North Gujarat	Advances in Biological Sciences. Talod.(S.K),Gujarat	P.52-55 Vol.2 2003	National
2.	Physico-Chemical & Bacteriological study of different brands of commercial drinking water samples from North Guj.	Pollution Research Enviro media,Karad (Maharashtra)	P.165-168 Vol.23(1) 2004	International
3.	Studies on ground water quality of Himatnagar city, Dist.S.K.,Gujarat.	Advances in Biological Sciences. Talod(S.K.),Gujarat	P.63-66 Vol.3,2004	National
4.	Studies on ground water quality of Mehsana city,N.Gujarat	Current Bioscience Bhavnagar(Guj.)	P.49-53 Vol.3(1),2005	National
5.	Physico-Chemical&Bacteriological Cheracteristics of six different brands of drinking Mineral water samples from Kalol and Kadi towns of North Gujarat	Advances in Biological Sciences, Talod(S.K.),Gujarat	P.43-46 Vol.5(2) 2006	National
6.	Physico-Chemical & Bacteriological Cheracteristics of drinking water samples of various railway station located on western railway line from Kalol to Abu road	Ecology Environment &Conservation Enviro Media, Karad (Maharashtra)	P.543-546 Vol.12(3) 2006	International
7.	Studies on ground water quality of Kalol city,Dist.GandhinagarN.Guj.	Nature, Environment and Pollution (Technoscience	P.197-201 Vol..6(2)	International

	India	Publication), Karad, (Maharashtra)	2007	
8.	Studies on ground water quality of Patan city, N.Gujarat India	Nature,Environment and Pollution (Technoscience Publication), Karad (Maharashtra)	P.27-32 Vol..7(1) 2008	International
9.	Studies on ground water quality of Palanpur city, Dist.Banaskantha N.Gujarat India	Nature,Environment and Pollution (Technoscience publication), Karad (Maharashtra)	Vol..9(4) 2010	International
10.	Comparative study of Avifauna from reservoirs in Kheda district,Gujarat, India	Journal of Aquatic Biology 104, V.K.Dhagenagar Gaddiannaram Hyderabad-A.P.	P.41-45 Vol.25(1)2010	International

Number of papers published by faculty and students in peer reviewed journals
(National / international) : More than 40

3.4.4 Provide details (if any) of Research awards received by the faculty .

Pro.B.N.Patel and prof D.A.Thakar have been awarded with Ph.D degree.
Dr M.R.Mehta, Dr.R.P.Patwa, Dr.J.R.Prajapati ,Dr.B.C.Chauhan,Dr B.V.Raol (Sience Section) And Dr H.K Solanki, Dr.J.G.Parikh , Dr Jitubhai Chaudhri (Arts section), have been awarded with Ph.D.guideship.

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

- At present the institution does not have any system and strategies for establishing institute-industries interface. But appreciating the significant and unparalleled contributions of industry-institute dynamic interactions, our institution has been giving top priority for meaningful linkages with various pharma, chemicals and dyes industries. The college will establish institute industry interface with the small scale industrial units as stated in questionnaires 1.1.5 for academic propose.

Some of our alumni members are working on a reputed position in different industries, they provide consultancy services and guidance for the problems produced to establish institute-industry interface.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

- The institution has no policy to promote, to advocate and to publicize, the consultancy and expertise. The institution has provided the consultancy services to state government under soil health card project and generated revenue interface.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

- The institute encourages the staff to utilize their expertise & available facilities for consultancy service by granting leave. Institute promotes all staff members to attend professional training programmes.
 - Dr.K.C.Deshmukh has been appointed for consultancy service as member of some “AAA” peer team of Knowledge Consortium of Gujarat (KCG), Gujarat.

Beneficiary: students and faculty members of other institution

- Principal Dr.K.C.Deshmukh has been appointed as state co-ordinator team for ITM group with Prof. C.K Mevada, Dr Mayank Mehta, Prof S.B.Kansara, Prof. Amrit Chaudhri, Prof. Dipak Thakar in Vibrant summit.Gujarat 2014.
 - Dr.M.R.Mehta, Dr.J.R.Prajapati,Dr.R.P.Patwa, Dr.K.C.Deshmukh,Dr.B.V.Raol, Dr.H.K.Solanki delivered their expert lectures at Bhaskaracharya Institute for space and Geo-informatics (BISAG) Gandhinagar, it is two way communication satellite program

Beneficiaries: All the science and Arts college students of Gujarat state

- Dr.M.R.Mehta, Dr.B.C.Chauhan, Dr.Subhash Thakor and Prof. T.J.Patel rendered their expert services for "Soil Samples Testing". This is a program to issue "Soil Health Card" to farmers. This is voluntary program offered by Commissioner of Higher Education , Government of Gujarat(CHE). The "Soil sample Testing" program is remunerative.

The remuneration was distributed among the students and staff members according to the norms laid by CHE, Gandhinagar.

Beneficiary: The farmers of different district of Gujarat state

- Dr.M.R.Mehta, Dr.J.R.Prajapati, and Prof.Sanjay kansara Had provided their Services as a Judge in Various science exhibitions at District/Taluka/Town Level

Beneficiaries: All the science school students of District/Taluka region.

Dr.Mayank Mehta, Prof.Deven Raval And Prof.Sanjay Kansara Had served as subject expert as GTU (Gujarat Technical University) for interview of asst. prof in related subject.

- Prof M.A.Mecwan has organised project for teaching English in rural school.
Beneficiaries: All the school students of District/Taluka region.
- Sanskrit Dept. has also teach Sanskrit in rural as well as urban area.
Beneficiaries: All the school students of District/Taluka region.

- Most of our staf members have been appointed as observer for the higher secondary exam board by Gujarat education board (GSEB) Gandhinagar.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

- The faculty members of the college extends their expertise in the form of cost free consultancy of soil and water analyses to farmers of Gandhinagar district. The consultancy services provided by the college in addition to as mentioned in questionnaire 3.5.3 are as follow :

Sr No.	Area of consultancy	Beneficiaries	Revenue
1	10,000 soil sample	Farmers and student	Free of cost
2	BISAG Lectures	Most of college students, and faculty member of Gujarat	Free of cost

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

- The Institution has not generated any revenue by consultancy. All the consultancy services provided are as in questionnaire 3.5.4 and it is free of cost, except Soil Samples Testing. The policy for revenue generated is distributed according to the norms laid by CHE, Gandhinagar.
- Soil Health Card Program
 - % of the revenue to student : 25%
 - % of the revenue to staff : 21%
 - % of the revenue for chemicals, glass wares, contingency : 54%

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighbourhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

- The institution promotes institution neighbourhood community network and student engagement programmes for contributing a good citizenship, service oriented and holistically developed students are as follow :
- by providing subject expert in science fair for district/ taluka level .
 - by guiding the science fair projects
 - by encouraging the students of this institution to participate in cultural activities of saptdhara, KCG
 - by arranging 7 day annual N.S.S camp
 - by celebration of Independence day, Republic Day and Teacher's day
 - by arranging blood donation camp
 - The tree plantation activities were conducted in partnership with forest department
 - The head of the college has guided the institutional stakeholders for the voting awareness abhiyan, right to cast vote and other such programmes during assembly election held on December 2012, the free medical check up camp and eye camp were organized through N.S.S unit during camp programmes.
 - The N.S.S. unit of the institution has conducted neighborhood, community program through various activities such as literacy survey, yoga, anti tobacco campaign, Traffic awareness, Blind day etc.
 - To create holistic environment, institute has started daily prayer and arranged lecture from spiritual personalities.
 - The institution provides free of cost water and soil sample analyses facilities to the farmer and local community.
 - By Career guiding programme to science students.
 - Aids awareness campaign
 - Flag hosting on national festivals.
 - By personality Development programme for Student every year.

These activities help the students to become good citizens, service oriented and holistically developed.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

- To track student's involvement in various social movements, the institution has a provision for the choice of activity from the college brochure. The students are free to opt N.S.S. or physical training program. Then the concerned program officer and some senior N.S.S. cadets explain the various social activities which had been performed in the past and which activities will be done in future.
 - The major achievement of N.S.S. unit are highlighted and notified to the students. The institution has assigned this responsibility to N.S.S program officer and to other faculty members. The N.S.S. unit has conducted a number of community development services such as tree plantation, campus cleaning, anti tobacco campaign, visit to Blind school and contribution to Blind school on Blind day etc. During the annual camp, volunteers concentrate on developing the civic amenities in villages during camp.
 - All these activities go hand in hand with the academic activities. This brings in a new curriculum extension interface which has immense personality development value and plays a pivotal role in developing a responsible youth force in the country.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

- For overall performance and quality of the institution, the feedback from students, from parent's teacher association, from management and some experts are collected. The head of the institution with some senior staff members and with IQAC coordinator analyzed the feedback, comments, and suggestions for academic and social growth of the institution. The weakness observed as comment or suggestions are given more importance and then Head of the institution and IQAC coordinator discuss the solution with the stakeholder.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

- The institution has organized and planned its extension and outreach program through KCG saptdhara and NSS program. The various cultural and outreach activities were performed through KCG saptdhara programmes and the community & extension activities were performed through N.S.S. Unit The budget for extension and outreach activities is as follow:

Year	Activities(NSS & KCG)	Grant received in Rs.
2009-10 to 2013-14	N.S.S. Saptadhara (KCG)	1,20,000/- 60,000/-

All the saptdhara activities are performed in the college.

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?

- The institution encourages the students and faculty members for their participation in the extension activities are as follow:
- The N.S.S. unit of our college conducts more public related campaign e.g. blood donation, eye check up camp, cleanliness, tree plantation etc.
 - Generally the N.S.S. camp is arranged during vacation period. The concerned faculty members including non teaching staffs are granted special leave. The students are encouraged by giving certificate, trophy etc.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

- There are some areas where vulnerable sections of the society were identified. This is possible because some of our faculty members were appointed as the zonal officer during election duty and they made the survey of such vulnerable society. But the population of such society is very less and number of students from such vulnerable society are almost negligible, particularly in science stream. We have 22% of student belonging to SC category. They get their education without any injustice.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

- The objective of the extension activities in educational institutions are to pursue excellence & create youth with a higher degree of intellectual, professional and cultural development to meet the local, national and global challenges. Such activities create the skills and overall growth of the students as well as of the faculty members.

The students who have been a part of this process are motivating other students for social upliftment, organizing capacity building, leadership program, organizing skills, coordination skills, communication skills and social skill. Thus in addition to academic knowledge the students learn values of life, moral duties towards mankind and significance of various days observed. Such extension activities may help the students to get elimination of stage fear, to get inspiration from eminent and spiritual personality and information other than curricular aspects.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

- The institution ensures the involvement of the community for various extension activities through N.S.S. and Saptdhara programmes.
 - The sarpanch and local leaders of village are initially consulted to arrange the N.S.S. camp. The N.S.S. program officer discusses regarding the various N.S.S. activities and asked their support for the success of camp. The local communities are the witness of such activities during N.S.S. camp. From the academic year 2008-09 to 2012-13 the following various activities were carried out
 - Tree Plantation
 - Beti bachao abhiyan
 - Traffic Awareness
 - Blood donation camp
 - Women health awareness
 - AIDS awareness and HIV awareness
 - Consumer awareness
 - Anti Tobacco awareness
 - Cleanliness awareness
 - Youth festival program
 - Various cultural programmes through KCG Saptdhara

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

- Relationships forged with the following local institutions for working on various outreach and extension activities are :
- Blood donation camp : At Kalol level
 - Traffic Awareness program : RTO, Gandhinagar
 - Lecture on anti ragging : Police Officer of Dy.Sp Gandhi Nagar.

 - Thelesemia check up camp : Indian red cross
 - Consumer awareness program : Grahak suraksha Kendra
 - Health Awareness program : Gujarat State Health department

Medical check up camp for newly admitted sem. I students By Dr Vakhariya And Dr Manisha ben shah.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

- Republic Day Celibration RDC Delhi two students (NCC) of Our College select and participantion of S.Y.B.A Student Dilsad .R.Ajmeri ,2013 and S.Y. student Bhupendra C.Brahman ,2014.
- In TSC camp (NCC) Delhi Three Student of our college participantion of Patel kinjal and Brahman Bohatram in 2011-12.
- All india Tracking camp Aamrkantak Two students of our college participation in this camp With Our College Major C.K.Mevada.
- Our college student Brahman Bohatram S.Y.B.A is Selected (Winer) as Best NCC cadet Gujarat University, Ahmedabad, 26 January. 2012, by Asst.Director- Youth Welfare.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

- Some of the faculty members have established their personal relations with industries and other universities for various research activities as listed in questionnaires 3.1.8. The eminent personality in the field of research helps a lot, even granted permission to utilize their laboratories.
- Dr Mayank Mehta is recognized Ph.D Guide from Pacific University, Rajsthan. He is doing research work with collaboration of Department of Chemistry North Gujarat University Patan..
- Mr. Sanjay Kansara Utilized facility of UGC-DAE-CSR at Indor for their research He is also doing this research work with the collaboration of Department of Physics, Saurashtra University, Rajkot. and Department of Nano science and Technology of V.V.P Engineering College Rajkot.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

- The institution has no MoU's, but has collaborative arrangement with the following NGO'S.
 - District Employment Exchange , Gandhinagar
 - JCI Kalol
 - Rotary club, Kalol , Gandhi Nagar.
 - Green planet eco club kalol.
 - Gaytri Temple Trust Kalol.
 - Art Of living Kalol.

Government officers :

- District session judge ,Gandhinagar
- R.T.O. ,Gandhinagar
- Forest department,Gandhinagar
- Election commission ,Gandhinagar

University.

- Sardar Patel University, V.V. Nagar
- H.N.G.U.Patan.
- Bhavnagar University.
- Pacific University, Rajsthan
- Department of Physics ,Saurashtra University,Rajkot
- Department of Nano science and Technology ,V.V.P Engineering College Rajkot.
- Cambridge University, U.K.(for Scope)

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

- As such there is no establishment or creation or up-gradation of academic and infrastructure facilities of the institution on the industry-institution community interactions. To achieve quality education, the college has taken following initiatives
 - The institution started programme such as BAOU ,Computer programming ,CCC & utilization of Microbiology for up gradation of the curriculum as per industry requirements.
 - Students can expand their knowledge by certificate courses or test such as Digital Education and Learning Laboratory education (DELL) for SCOPE examination
 - The institution library is enriched with INFLIBNET for research journals and books.
 - Soil health card program was conducted and completed in the institution

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

- The institution has organized state level Seminar and also some faculty members and students also encouraged to attended the national and international seminars, workshops, conferences where they shared views with the eminent scientist during last four years as below.

Eminent Personality	Subject	Place	Year
Dr.S.R.Rana	Economics	Shah.C.K.Muni.Com merce college, Kalol	2011
Dr.Daxa Goswami	Economics	Shah.C.K.Muni.Com merce college, Kalol	2012
Dr.Jagdish Chaudhary	History	S.V.C.C. College, Ahmedabad	2011
Dr.K.C.Barot	History	L.D.Arts College Ahmedabad	2011-2014
Dr.Davood Ganchi	History	Ex.Vice Chancellor HNGU, PATAN	2012
Dr.Nikesh Shah	Physics	Dept. of Physics Sau.Uni. Rajkot	2012
Mr.Yogesh Jani	Personality Development	Surendranagar	
Prof.N.K.Thakor	Chemistry	Mehsana Urban Science College	2012
Dr.Vipul Prajapati	Chemistry	Patan Science College	2013
Dr.Gaurang Jani	Chemistry	Pilvai Science College	2014

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated –

- The institution links with academic institution, with industries and with civil society groups for the following activities

Curriculum development/enrichment:

Some of the faculty members are in constant touch with the members of board of studies Gujarat University and they played an active role in curriculum development by making use of their academic experience. Some experts from industry also helped the college to design syllabi for courses.

Summer placement : N.A.

Faculty exchange and professional development:

The faculty members of the college have collaborations with reputed industries and Universities for academic development programmes. These collaborations resulted in new perspectives and key learning for continuous improvement and educational excellence. These linkages have facilitated faculty for joint research projects and pursuit of their Ph.D. guideship.

Research:

The faculty members and students contact the other academic institutions for the motivation of research. Such relationship with the academic institutions and the eminent researcher is to prepare joint research projects, collaborative teaching and publications. The faculty members and the students (especially P.G. students) are able to access the modern sophisticated instruments and advanced database for literature survey for acquisition of precise and reliable data.

Consultancy:

The consultancy linkages of the institution with farmers and other academic institution were carried out through BISAG program and through Gujarat Government health card programme in order to develop the competency among the students and faculty members. These soil and water analysis technology is conveyed to the SC,ST,OBC students and ultimately to the society.

Extension:

The personality development programmes provide coaching to the students for facing interviews, and group discussion

Student Placement:

The institution has established a career guidance and placement cell UDISHA for better placement of the students. Some of the students have obtained jobs through such placement activity

Twinning programmes : Nil

- B.Sc self finance programme started from the academic year 2013-14
- Pharmaceutical Chemistry program
- Microbial Biotechnology program
- Computer Programming and Utilization program
- **Student exchange** : N.A.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.

- The institution has planned to organize the state level workshop for arts knowledge in Sanskrit. College NSS unit organized several programmes jointly with Rotary club, Jesis club, various govt departments and NGOS . The outcome of such linkage/ enhanced the quality of academic growth.

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



Criterion - IV

Infrastructure and Learning Resources



Criterion - IV

Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

- The institution is situated 02 Km away from the ST depo and Railway station on Mehsana-Ahmedavad road. The policy of the institution regarding the infrastructure is consistence with the academic development, as adequate infrastructure facilities are most important, effective and efficient need to conduct all the educational programs. In the similar manner the supportive facilities on the campus are developed for effective ambience for curricular, co-curricular and administrative activities. The efforts are made continuously to develop the infrastructure and supportive facilities in the campus.

The 9.6 acres college campus has been well planned and developed with special building, big playground, a lot of open space, well maintained trees and greeneries to make it pollution free and environment friendly.

The college has 19 spacious ventilated class-rooms with glass-boards and adequate seating facility for learners. There are 12 departments Sanskrit, English, Gujarati, Hindi, Psychology, History, Economics, Physics, Chemistry, Microbiology, Zoology and Mathematics. There are 05 well equipped laboratories in which Digital Education and Learning Laboratory (DELL) has adequate number of computers with latest configuration and UPS power backup. All the 05 departments are ICT facilities through computer and internet.

The institution has a unique library with nearly 35,000 text books, reference books etc. The library is facilitated through computer internet facility with printer. There is an open air theatre (presently hall construction is under progress) providing opportunity for students to present their talents to a larger audience. There is a hall for cultural programmer an indoor stadium for sports activities. There are separate rooms for NSS, NCC, CWDC, activities and one room for physical education. Thus the institution thinks positively for creation and enhancement of infrastructure.

4.1.2 Detail the facilities available for

a) **Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.**

➤ The institution has a big campus which is spread in 9.5 acres and has administrative office, laboratories, classrooms etc. For curricular and co-curricular activities, following facilities are available in the institution

- Well furnished classrooms
- Well equipped laboratories
- Well resourced library with computer and internet facility
- Classrooms are made available for remedial classes for slow learner.
- Staff room with computer and internet facility.

b) **Co –curricular activities**

The college has adequate facilities for co-curricular activities such as sports, outdoor and indoor games, auditoriu, N.S.S., cultural activities, public speaking communication, skills development, yoga, health and hygiene etc.

Indoor games : Facilities are provided for carrom and chess.

Outdoor Games : The College has a big play ground for outdoor games like Cricket, football, hockey, volleyball, kho-kho, etc. The college provides a separate work room for N.S.S. Unit and for sports.

Public speaking : Microphone system, cordless mike, mike system with Amplifier and speaker for public speaking communication.

Cultural activities: A big hall for cultural activities. Music system such as Casio, Tabla, Harmonium etc. are available.

Health and Hygiene: Medical checkup camp for newly admitted students and eye check-up camps are carried out.

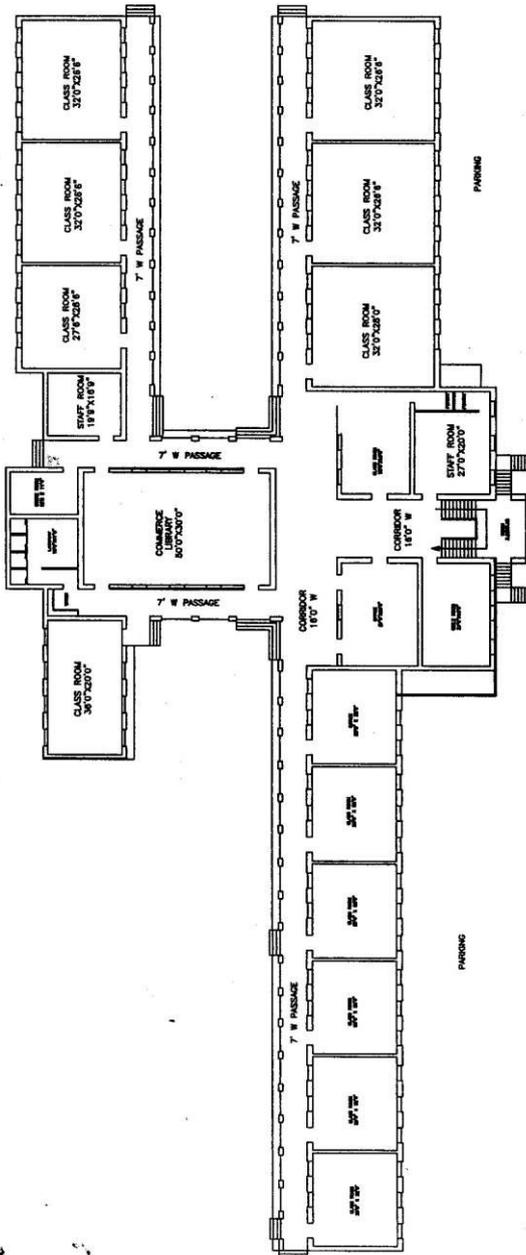
4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution/ campus and indicate the existing physical infrastructure and the future planned expansions if any).

- The institution has been keeping pace with changing needs and requirements for Maintaining its academic standard. According to students strength additional infrastructure is being expanded from time to time. Timely maintenance and repairing of building. Campus wall was constructed for the safety of college premises. Management has planned to construct new ladies toilet and drinking water facility from the management fund.

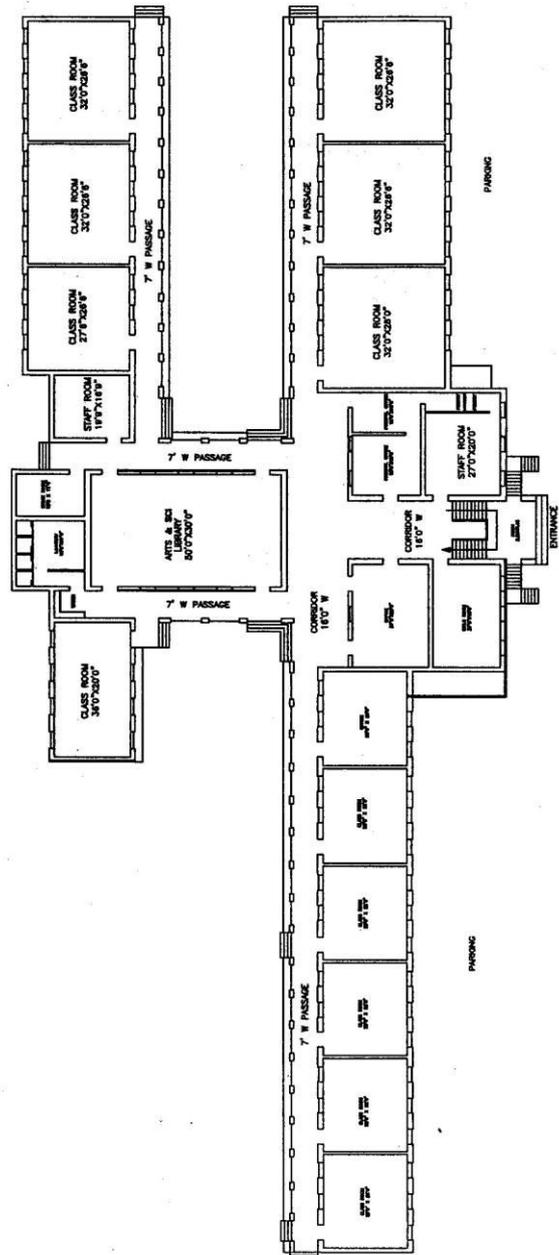
The traditional black boards in some classrooms have been replaced by glass boards. All the electrical and plumbing works are carried out from time to time and are well maintained. All departments were modernized with computer and internet facility.

The governing body of the college plans to construct one more big hall cum classroom on open terrace at first floor due to increase in the students strength at sem-I and sem-III B.Sc. program. The college has spent college development grant, merged skim grant and additional financial assistance of last four years for maintaining infrastructure facilities on construction, furniture and fixtures, laboratories equipments, computers & software, books and periodicals. The master plan of institution is enclosing here with-

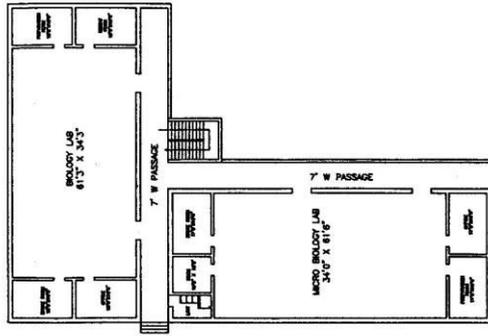
PLAN SHOWING OF EXISTING FIRST AND SECOND FLOOR OF KALOL TALUKA KELAVANI MANDAL'S SHRI P.H.GOSWAMI MUNICIPAL AKIS & SCIENCE COLLEGE & LABORATORY BUILDING SITUATED ON TIKA NO. 8 / 1 OF SUR.NO. 2/ PART OF KALOL, TALUKA KALOL, DISTRICT GANDHINAGAR



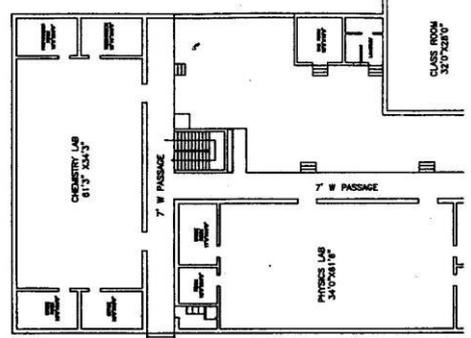
EXISTING FIRST FLOOR PLAN

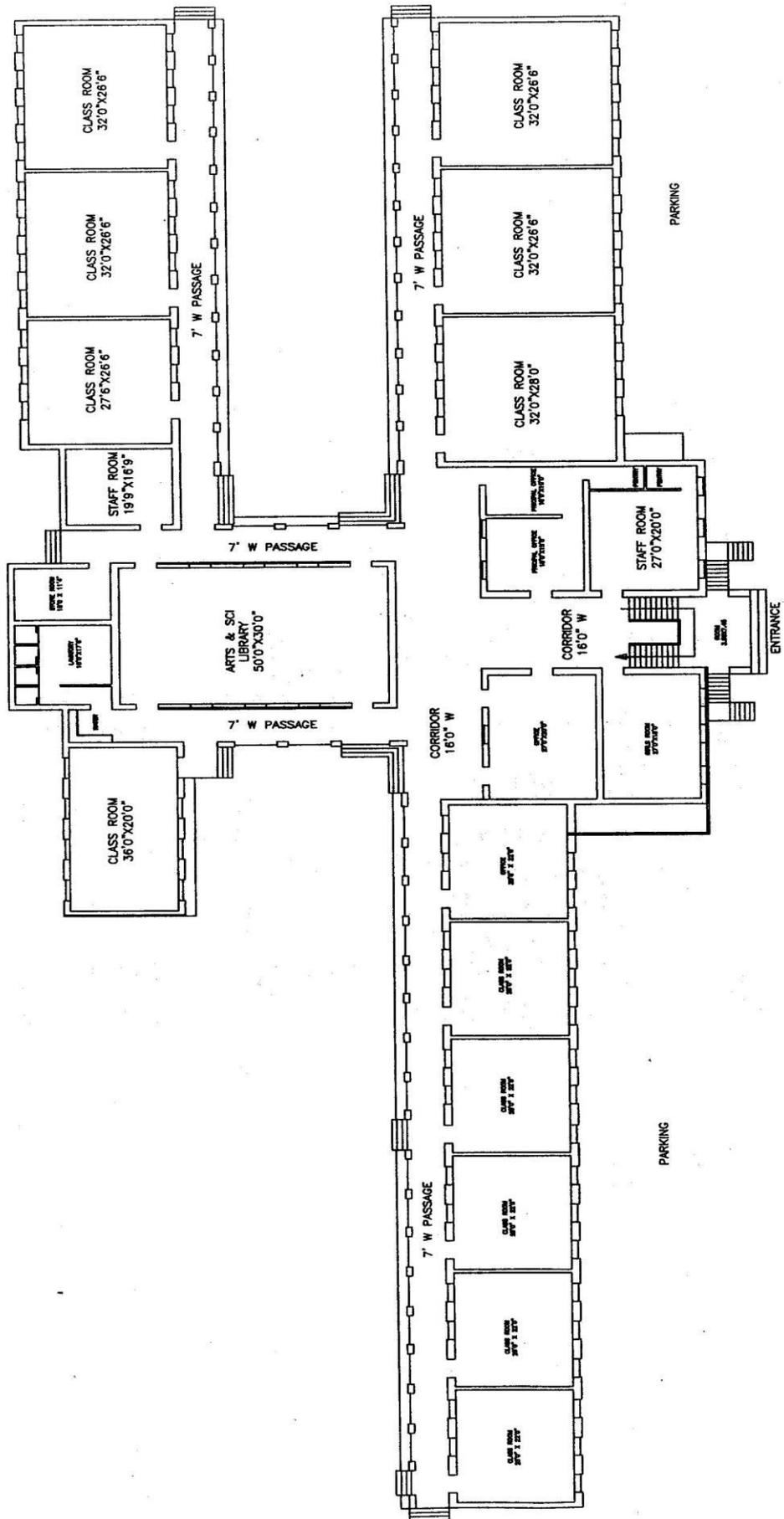


EXISTING GROUND FLOOR PLAN

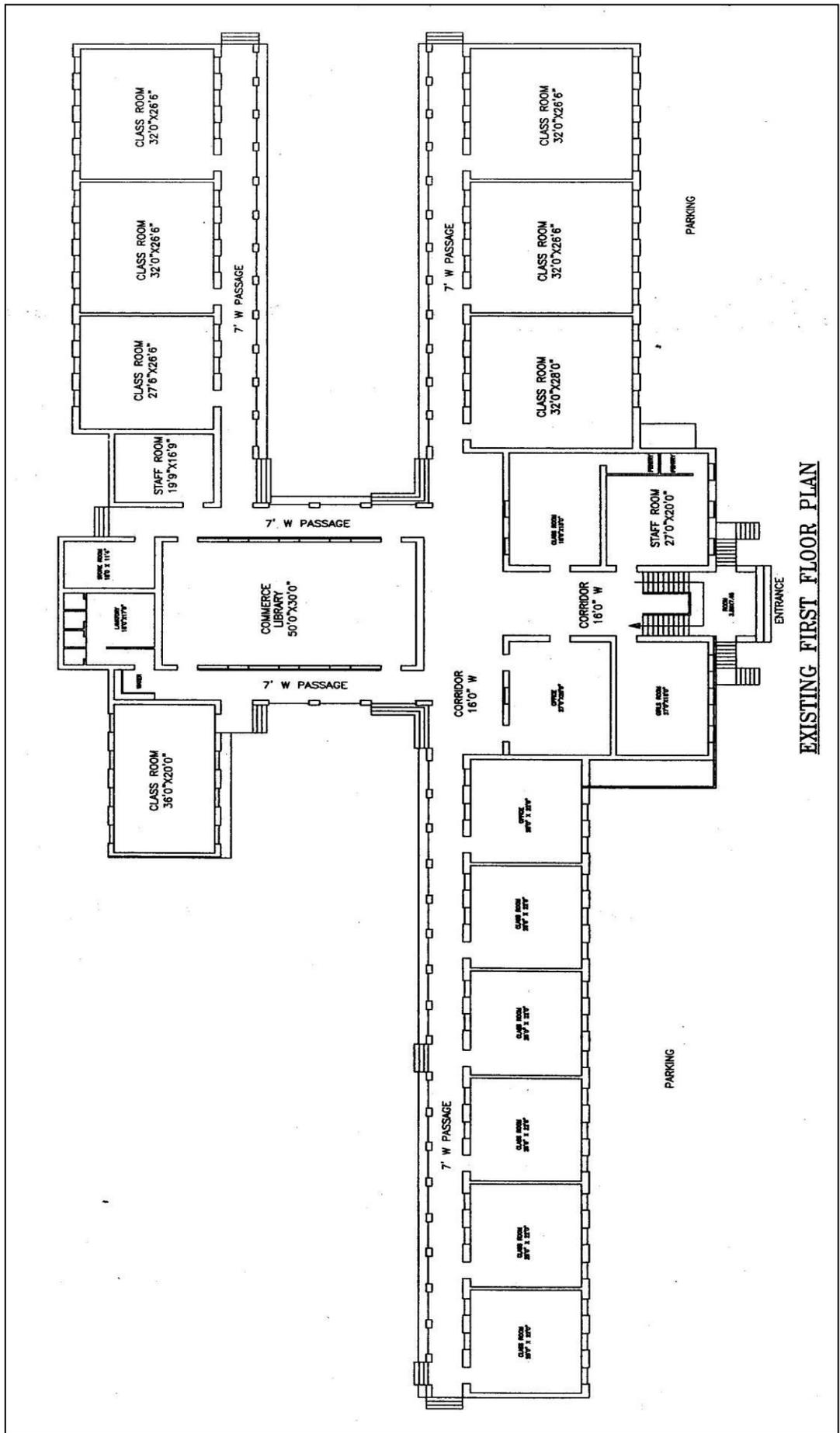


EXISTING LAB. FIRST FLOOR PLAN





EXISTING GROUND FLOOR PLAN



EXISTING FIRST FLOOR PLAN

Future Plan:

To develop audio visual room

Upgradation of Digital Education and Learning Laboratory (DELL)

4.1.4 How does the institution ensure that the infrastructure facilities meet the Requirements of students with physical disabilities?

- The college has a barrier free environment for differently abled students. The college provides physical facilities like aprons, dissection boxes and note books. The scholarships were made available to differently abled students. The toilet on ground floor and ramp facility are made available. During examination there is a provision to provide sitting arrangement at ground floor for physically handicapped students and writer for blind student on demand.

4.1.5 Give details on the residential facility and various provisions available within them: Hostel Facility :

- . Hostel facility--Nil
 - **Recreational facilities, gymnasium, yoga center, etc.** : NIL
 - **Computer facility including access to internet in hostel** : provision will be made
 - **Facilities for medical emergencies** :
Free of cost Emergency services 108 is available to reach the nearby hospital, first aid box is available in CWDC, Sports and chemistry laboratory
 - **Library facility in the hostels** : NIL.
 - **Internet and Wi-Fi facility** : 20 internet in college
 - **Recreational facility-common room with audio-visual equipments**
: We have a separate common Room,sports room, Cabin for Science HOD.
 - **Available residential facility for the staff and occupancy Constant supply of safe drinking Water** : Purchasing Minereal water for the last one year.
 - **Security** : Yes, the campus is guarded by the management security guard at night and during day time. We have the provision for fire extinguisher..

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

- Provision available to students in terms of health care are first aid box, mineral drinking water, fire extinguisher, apron, neck mask, sugar testing kit, Sphygmomanometer for Blood Pressure measurement, weighing machine, thermometer, chlorine tablet, hand gloves, spectacles etc. For new student annual medical checkup for new admitted students.

4.1.7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

- The college has made adequate provisions with regard to the special units as mentioned including common facilities for students and staff. The details are given as below :

Unit	Campus Space
1. IQAC	English Language Lab
2. Grievance Redressal Cell	Suggestion box at vice principals room.
3. Women’s Cell	Separate room at first floor.
4. Counseling and Career guidance	Psychology Laboratory, room no-1
5. Placement Unit	Dell Laboratory
6. Health Center	First aid box in CWDC office and in Chemistry department
7. Canteen	Nil
8. Recreational space for staff & Students	Staffroom
9. Safe drinking water facility	Water Purifier at campus area
10. Auditorium	Small hall inside the college as well as big hall of management.

4.2. Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Library as a learning Resource:

- To make the library more learner centric and friendly, the institution has constituted a library advisory committee, which also includes students representative. The members of library committee are as follow :

Library advisory committee:

- DrK.C.Deshmukh (Principal,)
- Prof. C.K.Mewada (VicePrincipal)
Prof A.R.chawdhary (Gujarati Department)
- Prof.J.G.Kamariya. (English Department)
- Shri.Suresh prajapati. (Adhoc Librarian)

Prof.S.B.Kansara.

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Initiative Implemented:

- Upgradation & awarness of library by KOHA Software and internet connectivity
- Committees recommend on the purchase of books, journals, magazines, news paper etc.
- Students can get reading material by submitting library tickets as well as identity cards.
- Daily registers maintained for students, staff members and needy persons to use library for reading materials.
- For security purpose students are asked to keep their own materials outside the library.
- Staff and students can suggest necessary reading material, journals, reference books which can be purchased according to available fund.
- Repographic facility by providing Xerox of Question paper,materials etc.

4.2.2 Provide details of the following:

Total area of the library (in Sq. Mts.) : 40 x 25 = 1000 Sq.ft.

Total seating capacity : 30

Working hours (on working days, on holidays, before examination days, during examination days, during vacation) :

- The access to internet is open to all the students and staff members between 11:30 am to 5:00 pm. Broad band internet connection is provided in the library. Issue and return of books and magazines are maintained through library ticket. Library stock verification is conducted by the committee.

- working hours : library is closed on Sunday and public holidays
- on working days : 07:00 am to 3:00 pm = 08 hours
From Monday to Saturday

- before examination days : 7:00 am to 5:00 pm = 10 hours
- during examination days : 7:00 am to 5:00 pm = 10 hours
- during vacation : 08am : 12:00 pm = 04 hours

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

- Departmental heads recommend the required titles to the library committee. In turn, the library committee recommends the list of items to be purchased to the principal, who finally place order to purchase the book.

The library expenditure during the last four years is tabulated below :

Library Holding	Geanral		Poor Students		Total	
	No. of Books	Rs.	No. of Books	Rs.	No. of Books	Rs.
2013-2014	Nil	Nil	22	3921	22	3921
2012-2013	18	2289	88	11966	106	14255
2011-2012	106	19361	206	20292	312	39653
2010-2011	182	40800	3	3090	212	43890
			Total		652	101719

4.2.4 Provide details on the ICT and other tools deployed to provide maximum Access to the library collection?

- **OPAC** : Yes, it is a part of KOHA software
- **Electronic Resource Management package for e-journals** : N-List provided by INFLIBNET Gandhinagar
- **Federated searching tools to search articles in multiple databases** : Yes, KOHA open access service.
- **Library Website** : <http://www.sciencewithhumanity.org>
- **In-house/remote access to e-publications** : Yes
- **Library automation** : For library automation, we are using KOHA software (college version). Library automation makes it easy to know the status of library resources at any moment.
- **Total number of computers for public access** : 01
- **Total numbers of printers for public access** : 01
- **Internet facility with/ speed** 2mbps 10 mbps 1 gb (GB)
: Internet facility with broad band connection of 2 mbps is available
- **Institutional Repository** : Yes, under KOHA software
- **Content management system for e-learning** : Yes, under D-space provided KOHA Software
- **Participation in Resource sharing networks/consortia (like INFLIBNET):**
Yes, 50 students and staff are using internet in DELL Lab.

4.5.5 Provide details on the following items:

- **Average number of walk-ins** : 50 students and 10 staff member per day and 50 Students per day
- **Average number of books issued/returned** : 20 to 25 per week
- **Ratio of library books to students enrolled** : 17.4 : 1
- **Average number of books added during last three years** : 1,154
- **Average number of login to opac (OPAC)** : 10 research scholar and students
- **Average number of e-resources downloaded/printed** : 05 per day
- **Number of information literacy trainings organized** : One book exhibition per year
- **Details of “weeding out” of books and other materials** : 3200 during last five years including other materials

4.2.6 Give details of the specialized services provided by the library

- **Manuscripts** : Yes, current awareness services (CAS) and selective dissemination information services (SDI)
- **Reference** : Long range reference service is offered to the scholars by providing bibliographies and articles for their research and online reference services through e-mail and intra mail.
- **Reprography** : Yes, one well maintained photocopier presently at administrative office is available
- **ILL (Inter Library Loan Service)** : Yes, extension of library facility through exchange of service within the sister institutes of campus.
- **Information deployment and notification** : Yes
- **Download** : Yes, available
- **Printing** : one computer with dotmatrix printer is available and we are planning to install H.P laser 1020 plus printer in the library.
- **Reading list/ Bibliography compilation** : Yes, the reading list/bibliography compilation is provided through OPAC and catalogue cabin
- **In-house/remote access to e-resources** : Yes, facility available also
through INFLIBNET and D-space
provided in KOHA Software
- **User Orientation and awareness** : Yes, library functioning fresher
- **INFLIBNET facilities** : Yes

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

- Computer with internet facility and one printer is available
- Reference books open access for the students
- Reading room for the student and staff, in reading section 30 students can seat, can read books, magazines and journals etc.
- Four news papers are available daily for reading
- Book bank facility is available for students
- Facility for one book borrow card is provided to the students
- National and international journal, magazines, dictionaries, encyclopedias.
- Photocopier (central facility at administrative office)

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

- Visually challenged students have taken admission in the college for last five years. The library staff provides special services while issuing and returning the books to the physically challenged students. First preference is given to such students. They are also supported by the library staff.

4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)

- There is a facility of suggestion box in the library. The library gets the feedback from students & staff through suggestion box. The library advisory committee analyses the suggestions. If there are any suggestion or grievances, they are solved by the committee for further improvement of the library services on the following bases.
 - Library collection
 - Awareness of available services
 - Attitude of library staff towards users
 - Book bank facility Computer and internet facility in the library
 - Infrastructure of the library.

4.3 IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

- **Number of computers with Configuration (provide actual number with exact configuration of each available system) :**

SYSTEM CONFIGURATION								
Sr. No.	Brand/Vendor	Qty.	Monitor	Processor	Ram	HDD	Key Board	Mouse
1.	Digital Education and Learning Laboratory. Info. system.	25	Monitor	3.2 GHZ Duel Core	2 G.B	250 G.B	Digital Education and Learning Laboratory.	Digital Education and Learning Laboratory.
2.	Window Xp. Or windows 7 Info. System	10	L.E.D	3.2 GHZ Duel Core	2 G.B	500G.B	Dell	Dell
3.	Total	35	-	-	-	-	-	-

- **Computer-student ratio : 1: 83**
- Stand alone facility : Yes, it is available
- LAN facility : LAN facility is available at Digital Education and Learning Laboratory.
- Wi-Fi facility : limited
- Number of nodes/ computers with Internet facility ;30

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

- The college has provided computers with internet facility to each departments for their departmental work. In addition office accountant, staff room, have been given sufficient no. of computer for their work. Our institution is having 31

Computer system with allied facility and 15 broadband internet connectivity is available in Digital Education and Learning Laboratory. 05 internet connection in different departments. Three laptop are available.

Off Campus Facility

- Staff has their own computer and internet facility at home.
- Many students also have their own computer and internet facility at home.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- The institution chalks out plan and strategies which includes the following
 - To upgrade the IT infrastructure and to appoint IT skilled staff members
 - Up gradation of software as per requirement of curriculum
 - The institution is planning to increase the computers with internet.
 - The institution is planning to improve student : computer ratio from existing ratio.
 - The institution is educating the students in IT and insists all students to have e-mail ID
 - ICT infrastructure is extended and upgraded with latest version, hardware and software based on the needs of the newly introduced programmes and courses.
 - UPS facilities have been made available
 - Inverter facilities have been made available in office.
 - The interactive board and LCD facility are available in the Dell and Psychology laboratory respectively.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

- The sufficient provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers in the institution is as follow :

Sr.No.	Year	Budget allocated in Rs.	Remarks
1	2009-2010	1,12,500 (CDA)-	Computers
2	2010-2011	-	-
3	2011-2012	14,52,285 1,38,000 (MGS) 2,46,600(MGS)	LCD Projectors, Printer, Scanner, Panel Board, CCTV Cameras, Computer Antivirus software Purchased
4	2012-2013	3,08,000 (Aprox)(AA)	5.6 KV & 3.6 K.V Microteck Invector

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4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

- College organized TCIL sponsored ICT programme for faculty. All the departments, office, library and staffroom are facilitated by providing computers with internet connectivity. The teachers can also make use of the ICT resource to enrich their prescribed curriculum with the help of internet. Faculty members use internet facility for preparation of teaching learning materials in their respective departments. The interactive board is available in the DELL and Psychology laboratory for the faculty use. The library is throughout kept open for faculty members. There is a computer laboratory with 25 computers with internet facility. The college has KOHA programme and ICT repository of thousands of books and journals which help staff and students for teaching and learning

4.3.6

The ICT tools e.g. laptop, CD player, handycam, Digital camera, printer, scanner, DTH with TV, Battery Backup, LCD TV etc. are available in the college for faculty use.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- The vision and mission of the institution has always tried to provide holistic knowledge to its students. The learning activities and technologies deployed by the institution through the ICT and through open access to the broad band's Digital Education and Learning Laboratory (DELL) and computer laboratory. Some faculty use teaching learning processes through PowerPoint.
 - presentation through LCD projectors, through OHP, CD'S etc.
 - Physics department gives projects to the students to prepare practicals using computers.
 - The faculty members upgrade their knowledge through the broadband facility and e-learning tools. The faculty members upgrade their knowledge by attending seminar, workshop, conferences etc.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

- Yes, INFLIBNET is available. The college has subscribed N list program of INFLIBNET. User ID and password has been provided to few faculty members.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

➤ The maintenance of building , furniture, computers, equipments etc is a regular ongoing process. The institute has made adequate arrangements for the maintenance and upkeep of the college infrastructure. The management ensures that enough funds are allocated and utilized for the maintenance of building, furniture equipments and **What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?**

➤ The college electrician ,technician repair and maintain instrument und. However, if necessary for the large scale works, we get it done from the external agencies with prior permission of management. The teaching and non teaching staff also take care of security of the facilities provided. The college campus is guarded by the security guard at night and at day time. The 9.6 acres college campus is protected by compound wall.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?

➤ The college take up calibration and other precision measures for the equipment instruments through the dealer of that equipment and instrument at least once in year.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment(voltage fluctuations, constant supply of water etc.)?

- The college has 5.6KV generator backup for the college building. To control voltage fluctuation there are UPS and invertors. Continuous water supply through overhead water tank and water cooler. For the maintainance of these equipments the external agencies are called whenever it is required. As per the suggestion and recommendation of the NAAC peer team the college has taken following action
- English lab and SCOPE program were started for the proficiency in English
 - The library work is computerized and subscribed N list programme and KOHA Software
 - The library is enriched with current reference books and journals
 - We have 3 phase power supply and supply divided in to different laboratory by different phase. To protect voltage fluctuation we have NIC BC circuit breaker. We have a well for use of water in laboratories.

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



Criterion - V

Student Support and Progression



Criterion - V

Student Support and Progression

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

- Yes, College publishes its updated forms every year.
- College admission forms give the details about all available courses, choice of various subjects in subject for A group (Mathematics students) and for B group (Biology students). Rules and regulations of the institution, vision, mission, objectives, library facilities and various activities of the college. The detailed information of the curricular, co-curricular, extracurricular, saptdhara, sports and N.S.S. activities, University results, internal examination system etc are presented through power point presentations on the welcome day of B.A./B.Sc. Sem I students.

The institution ensures its accountability and commitments by comparing college results with University results, special achievements of the students and faculty members and same is discussed on Welcome Day. The institution understands that education does not mean only book learning but also promoting culture, peace & harmony, ethics, attitude and skills among the students.

5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

- The State government provides scholarship to SC, ST, OBC and Physically handicapped students. The students are informed about scholarship by displaying notice on the notice board and by circulating notice in the classroom. As per Government rules, all girl students are exempted from tuition fees.

Details of the institution scholarship

Year	Baxi	SC	EBC	Handicap	Total
2009-210	633498.00	786675.00	-	27500.00	1447673.00
2010-2011	163920.00	770219.00	14710.00	28000.00	976849.00
2011-2012	427361.00	1484731.00	-	39750.00	1951842.00
2012-2013	662064.00	1495785.00	-	0.00	2157849.00
2013-2014	667294.00	1518150.00	-	32500.00	2217944.00
Total	2554137.00	6055560.00	14710.00	127750.00	8752157.00

5.1.3 What percentage of students receive financial assistance from state government, central government and other national agencies?

- Our SC, ST, OBC, physically handicapped, minority students receive financial assistance from the state government every year. The institute helps the students to fulfil initial formalities and fill forms. The essential documents are attested by the Principal. Most of the students belonging to backward categories (95 to 97 %) are provided with the scholarship obtained from Government of Gujarat.

We have disbursed total Rs 79,88,678 Scholarship in last 2009-10 to 2013-14.

5.1.4 what are the specific support service /facilities available for : Students from SC/ST, OBC and economically weaker sections

- The college provides detailed information about government scholarship and the scholarship forms are made available for SC, ST, and OBC students.
- Special encouragement, guidance and care are provided to the students for UGC welfare scheme under 11th plan
- Institutional library, departmental library and teachers also provide text books for reference and to prepare notes
- The remedial coaching is conducted for the SC, ST, OBC and EBC under merged scheme of UGC grants

Students with physical disabilities :

- There are a few physically disabled students in college. The institution provides every possible infrastructural and other academic facilities to them. The special encouragement, guidance and care is taken during theory and practical time e.g. we provide tables to physically disabled students in laboratory. They are encouraged to receive the Government scholarship. The toilet facility at the ground floor and ramp facility are made available. During examination there is provision to provide sitting arrangement at ground floor for physically handicapped student on demand.

Overseas students : Overseas students have not taken admission in the college

Students to participate in various competitions/National and International :

The institution encourages the students to participate in competitive programs. The institution provides information to the students about the various competitions programs organized at state , national and international level by placing notice on a notice board.

Every year the students of this institution participate actively in various Saptdhara activities of Swarnim Gujarat and in youth festivals at the district, zonal, state & university level. The institution provides refreshment & healthy food, sports equipments, awards at annual function and financial aid to students for participating in various activities and also to attend workshops, seminars and training programs.

Medical assistance to students: health centre, health insurance etc.

The college has no health center, but we provide medical facilities when required. The Gujarat Government emergency 108 services is also available 24 hours. There is a General Hospital 3 Km. away from the institution, where cost free medical treatment is available. Dr.Manishaben Shah lives in the vicinity of the college at a 5 minutes walking distance. She always comes to attend the sick students. Primary treatment is provided to injured students during sports or practical through first aid box. Blood donation camp is organized every year by N.S.S. A Rubella vaccination and Thalassemia vaccination are done for newly enrolled girls students. The medical checkup camp is organized for newly admitted students every year. Eye check up camp was organized through N.S.S unit.

Organizing coaching classes for competitive exams :

The institution has organized coaching classes for the preparation of entry level civil services competitive examinations. The college has provided classrooms to conduct Gujarat Public Service Commission (GPSC) and other civil services examination preparation classes. The classes were conducted by Samaj Kalyan Department of Government. The college students are free to join Gujarat Public Service Commission (GPSC) classes. Experts from the reputed institutes/industries are invited to share their knowledge and they share with the students from time to time.Pro. H.K.Solanki use to conduct carrier corner coaching classes. District Employment Exchange Department uses to sponser such programmes. Token honorarium, is released for these activities.

The institution has a career guidance cell. Experts' lectures are arranged. Magazines and books for competitive examinations are available in the library.

Skill development (spoken English, computer literacy, etc.)

The institution has organized various activities under Saptdhara and N.S.S. program for skill development. The college has conducted SCOPE examination classes and Digital Education and Learning Laboratory program for computer literacy and proficiency in English.

Support for “slow learners”

Extra guidance is given by the teachers for theory and practical to the slow learners.

Exposures of students to other institution of higher learning/ corporate/business house etc.

Our alumni who are placed at top position in different industries, help our students in providing exposures and training. Industrial and academic tours are arranged. We have a network with some industries for providing industrial training and placement opportunities to our students.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

- The college has arranged lectures on personality & skill development program and interface meeting with Prof. Bhuvan Raval from JCI and his team have organized personality development programmes.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- The students are informed about the extracurricular activities by displaying a notice on notice board and by circulating the notice in the class room. The interested students contact to in charge teacher appointed for the activities. The faculty members give them consistent encouragement, motivation and best possible training. The institution provides travelling and other dietary facilities to the students. Institution organizes; inter college cricket competitions and other indoor games every year. College gives certificates, awards, shields, trophy and cash prize to the winner and to deserving sports persons to motivate them and to achieve excellence in their pursuit of co curricular & extra curricular activities.

Additional academic support, flexibility in examinations:

The sports and cultural committees supervise the extracurricular activities. The students who participate in sports and other extra curricular activities are provided extra classes so that the time they have spared for various activities can be compensated for. College is not in a position to give any type of flexibility in examination but re-test are taken for them, so that they can have assessment of their preparations for the final examination.

Special dietary requirements, sports uniform and materials:

Uniforms are provided to N.S.S. students. College provides healthy and hygienic food. The college has provided T shirts for the event of awareness of Election and Electoral Pols

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

- The Institution has organized the coaching class for the entry level civil services competitive examinations in various disciplines such as IAS , IPS ,IFS, Mamlatdar ,TET, TAT etc. The funding agency for such disciplines is District Employment Exchang Centre. Total 75 students have attended the coaching classes.

At present there is no direct informations collected to keep the exact record of the students appearing and qualifying in UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

For guidance of such competitive examination the Employment News , Rojgar Samachar, Liberty news- paper etc. are available in the Library. The sufficient number of reference books and general knowledge books are available for competitive examinations in the library.

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

➤ Career :

The college has a career counselling cell located at the NSS department. The counseling cell makes adequate arrangement for the guidance of the students during the time of admission. The students seeking admission are counseled in the choice making matter during the admission. The choice of the career and doubts of the students are listened very carefully and solution is provided on the spot. The Institution has provided the following counseling services to the students from 2008 to 2013 as listed in questionamrries. Psychology department also offers counseling sessions to the needy students.

Academic and Personal

Students of first and second year are properly guided by the teachers regarding subject selection. After accession of test papers, teachers help the students to improve the results and work upon their weakness. The mistakes made by the students are discussed

and are followed by the counselling. The students can approach the faculty members if they they have queries. Teachers solve their difficulties and try to increase the confidence to ensure a good performance.

In N.S.S. camp, the girl students are informed about N.S.S. activities prior to joining. Collegiate Womens Development Committee (CWDC) of college provides counseling to the girl students. Teacher's Day celebration is organized on 5th September of every academic year. On this day the students perform all the college activities such as delivering lectures, taking attendance, ringing bell and other administrative activities to generate leadership confidence. G.K Test is held on this day. 200 students take part in it and bright students are awarded.

The students and faculty member's relations are very healthy, cooperative and interactive. Therefore, the students are free to discuss their academic personal, social and psycho-social problems.

N.C.C(National Cadet Corps)

NCC (National Cadet Corps) is a national organization which has helped in inculcating the spirits of courage, confidence, self-reliance, selfless service, a feeling of patriotism, faith in oneself, power of thought and adjustment which are essential to make the youth disciplined and dutiful. NCC has become instrumental in moulding the character and imparting in our students a dynamic outlook during their school and college education. Many students got jobs in police department.

AIM of NCC

- 1) To develop qualities of character, courage, comradeship, discipline, leadership, secular outlook, spirit of adventure and sportsmanship and the ideals of selfless service among the youth to make them useful citizens.
- 2) To create a human resource of organised, trained and activated youth, to provide leadership in all walks of life including the Armed Forces and always available for the service of the nation.
- 3) To create suitable environment to motivate the youth to take up a career in the armed forces.

OBJECTIVES

To develop qualities of character, discipline, secular outlook, spirit of adventure, sportsmanship and the ideals of selfless service among the youth to make them useful citizens.

To create a human resource of organized, trained and motivated youth, to provide leadership in all walks of life including the Armed Forces and always make them available for the service of the nation.

To create a suitable environment to motivate the youth to take up a career in the Armed Forces.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If ‘yes’, detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

- Yes, the institution has the structured mechanism for career guidance and placement cell run by “UDISHA”. The career guidance and placement activities for the students are carried out under UDISHA program.
 - The institution has organized JCI sponsored workshop on “Career and Personality Development” for two consecutive years. The details of the performed activities during the years 2009-2014 for career guidance & placement are as follow: 90 students take part in the programme and got benefit.

Sr.No.	Date	Company	Number of apperead student	students Placed
1	08/01/2011	Vodafone Career counselling seminar was also organized	100	35
2	03/09/12	IIME Counciling seminar for T.Y.B.A Students	105	-
3	23/01/14	Manipal Global Education Services Employment Enablement team Ahmedabad	105	35
4	2014	Poly Coat Ind. Khatraj	150	13
5	31/01/14	Student development programme Organised by Oakbrook Business School, Ahmedabad, Degree is not the end of Studies	103	Personal Guidance

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

- Yes, The institution has students' grievances redressal cell. The students are informed to drop letter of their suggestions regarding academic matters, financial matter, health services, library, accommodation & other central services etc. in the suggestion box or may approach directly to Principal, to Co-ordinator of grievance redressal cell and also to CWDC Coordinator. The following general grievances were reported from students : seating arrangement in class rooms, parking, RCC road, girls' room, boys' room, auditorium, hostel building etc.

The grievances redressal cells discuss about grievances and solves the difficulties of students or any stakeholder. The institution is planning to install CCTV camera at various places

No. of grievances reported : 10

No. of grievances redressed: 10

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

- To solve issues pertaining to sexual harassment, the institution has Collegiate Women Development Committee (CWDC) for awareness regarding the sexual harassment. The institution has arranged the lecture on sexual harassment and anti ragging issue.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

- Yes, the institution has an anti ragging committee. The discipline committee also works as anti ragging committee. No ragging incident of any kind too reported in the institution. The institution has arranged lectures on anti ragging issue.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

- The following welfare schemes are made available to the students by the institution-
 - Government scholarship for SC,ST , OBC , Minority and Physically handicapped students.
 - UGC welfare scheme under 11th plan, namely colleges located in rural/ remote/border/ hill/ tribal area and colleges with relatively higher proportion of ST/ SC/OBC and Minorities
 - Placement & guidance facility
 - Internet facility
 - Book bank for economically weaker section
 - Gujarat Government Soil analyses and soil health card program. This is “earn while you learn ” program .
 - The students are provided special diets like sugar , glucose, biscuits, tea etc. when they suffer weakness during the practical session.
 - The institution bears all the expenses made by the students participating in various sports and cultural activities.
 - The first aid boxes available at chemistry department and at CWDC.

5.1.14 Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?

- The institution has a non-registered alumni association. Few active alumni members arrange the meeting with head of the institution and staff members. They give their suggestions and feedback. The activities of alumni association are as follow :
 - To arrange gathering program and honour the alumni who has secured prominent position
 - To encourage and inspire the alumni for their contribution in academic and infrastructural development.

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

- Number of Students progression to higher education is as follow :

Student progression	20010-11	2011-12	2012-13	2013-14
UG to PG	75	90	105	109

5.2.2 Provide details of the program wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish program wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

- This is the only institution in Gandhinagar district offering science and arts education to SC/ST/OBC/Minority students from 1961 to date.

Students profile program / Course wise :

Year	Particular	Programme	
		B.Sc	B.A
2009-10	Students appeared	54	424
	Students passed	37	358
	% of College Results	69.00	84.43
	% of University Results	79.89	Data not available
2010-11	Students appeared	48	449
	Students passed	47	339
	% of College Results	98.00	75.50
	% of University Results	83.63	Data not available
2011-12	Students appeared	45	392
	Students passed	40	345
	% of College Results	89	88.00
	% of University Results	82.51	Data not available
2012-13	Students appeared	69	527
	Students passed	51	356
	% of College Results	74.00	68.00
	% of University Results	61.44	Data not available
2013-14	Students appeared	71	438
	Students passed	51	276
	% of College Results	72.00	58.44

	% of University Results	--	Data not available
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Comperative results of Gujarat University affiliated colleges with our institution

Sr.No.	Name of the College	Year 2013		
		Sem II	Sem IV	Sem VI
1	Shri P.H.G.Muni.Arts & Science College, Kalol (N.G.)	87.86	71.23	73.91
2	Gujarat Science College, Ahmedabad	52.69	64.86	45.18
3	Mansa Science College, Mansa	55.17	55.93	68.75
4	Bhadran Science College	64.48	46.34	54.07
5	Gandhinagar Science College	62.37	73.2	63.87
6	R.G.Science College, Ahmedabad	68.23	41.1	57.46
7	Bhavans College, Ahmedabad	71.11	89.04	66.67
8	St.Xevier college, Ahmedabad	55.22	72.94	80.65
9	M.G.Science College, Ahmedabad	67.4	-	78.66
10	Navjivan Science College, Dahod	59.28	-	75.68
11	Petlad Science College	64.18	69.23	44.33
12	R.A.Science College, Ahmedabad	70.66	61.65	64.32
13	C.U.Shah College, Ahmedabad	59.09	60.76	68.92
14	Jhalod College	86.67	56.4	-
15	Godhara College	46.15	65.36	57.75

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

- The institution facilitate students progression to higher level of education and / or toward employment by providing, Employment News Paper, Rojgar Samachar and Liberty News Paper. These papers provide following informations .
 - All the detailed information regarding central and state governments competitive examinations, information regarding admissions to higher education, last day of competitive examinations and other placement details.
 - By displaying academic programs of various reputed universities on notice board. The placement cell UDISHA gives time to time information regarding placement and admission for higher education. The institution organizes expert lectures of person from academic and industrial area.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

- The following are the support provided to students who are at risk of failure and drop out .
 - By providing the institutional and university question papers.
 - The students who are at the risk of failure are asked to write answer of the question papers. The concerned faculty members assess the question papers and explain them about their weaknesses.
 - All the faculty members collect the assignments of important topic of special importance
 - The Socio economic, cultural and psychological issues also contribute to the drop out factor. To deal with socio cultural problems to the counseling cell and grievance redressal cell addresses to the problems of the students and sometimes of the parents too.
 - ‘Sure suggestion’ pamphlets are given to all students in General English classes by Prof.Macwan. Ready types material is also given to the students, so that they can prepare better exam material and perform well in college as well University exam.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

- The institution has big sports ground. The interested students can also use the Gymkhana and SAI sports ground facility, which is situated in the Gandhinagar city. The SAI sports ground provides facilities for all the indoor and outdoor sports activities. National and International sports experts of SAI provide the guidance for all indoor and outdoor sports activity.

The institution offers various cultural and extracurricular activities under KCG saptdhara programmes. The table given below indicates the range of sports, games, cultural and other extracurricular activities available to the students. The table also gives details about the No. of participation in all such activities.

N.S.S. Activity year : 2010

11.7.2010: Rog Nidan Camp at Chhatral Village arranged by N.S.S. Unit

27.8.2010: Blood Donation Camp at College Campus, N.S.S. Unit donated 52 bottles blood to Indian Red Cross Society, Kalol Civil Hospital

18.9.2010: Tree Plantation by Tarunabhivadan Program, 13 colleges of Guj.Uni N.S.S. Unit

5.10.2010: Leadership Camp at Pethapur Old Age Home-Mavtardham

3.10..2010: Vanche Gujarat Program by Kalol College N.S.S. Unit

13.12.2010 to 19.12.2010 : N.S.S. Annual Camp at Dingucha Village Camp Activities:

- 1) No Addiction Rally & Free Medical Checkup
- 2) Gruhodhyog awareness program by Khadi Gramodhyog KVIC Ahmedabad
- 3) My Village Clean Village Awareness Program
- 4) Eye Checkup, Motiya Nidan & Specs donation by Lions Club of Kalol City
- 5) Magic Show to decrease faketales
- 6) Cultural Program like Ras Garba, Save Water, Girl Child & Environment etc
- 7) Lok Dayro- Ma-Bap ne Bhulso Nahi...

N.S.S. Activity Year: 2011

- 7.1.2011: Gruhodhyog awareness program by Khadi Gramodhyog KVIC Ahmedabad at Vamaj by N.S.S. Unit
- 8.1.2011: Old Age Home Visit at Mavtardham Kalol by N.S.S. Unit
- 27.7.2011: Blood Donation & Thalasemia Nidan Camp by Indian Red Cross Society, Kalol
57 bottles blood donated by N.S.S. Unit
- 12.9.2011: My College Clean College Program by N.S.S. Unit
- 16.12.2011: Competitive Exam Guidance by Career Corner- Navy Recruitment
- 22.12.2011 to 24.12.2011: 30 Students of N.S.S. Unit had taken part in Environment Camp
G'nagar
- 31.12.2011: Class Decoration Program by N.S.S. Unit

N.S.S. Activity Year: 2012

- 7.1.2012 to 9.1.2012: 4 Students of Kalol N.S.S. Unit participated in N.S.S. Leadership Camp at Dehgam
- 6.1.2012 to 12.1.2012: N.S.S. Annual Camp at Serisa Village, No Addiction Elocution Program, play shows by Nashbandhi Mandal Gujarat & Nashbandhi Abkari Khatu Gandhinagar & Cultural Programmes held by N.S.S. Unit Kalol, My Village Clean Village Awareness Program
- 4.6.2012 to 19.6.2012: Chhaya Patel of Kalol N.S.S. Unit participated in N.S.S. National Summer Camp at Vishakhapatnam
- 17.6.12. to 30.6.2012: Dr.H.K.Solanki led 15 students from Gujarat State to National Trekking Camp Patnitop Jammu, two students named Kinjal Patel & Janki Patel be a part of Kalol N.S.S. Unit
- 11.7.2012: World Population Day Celebration at College by N.S.S. Unit
- 5.9.2012: Eye Checkup, Motiya Nidan & Specs donation at N.S.S. Adopted Village Borisana by Rotary Club Kalol, 250 specs donated at Camp
- 2012: Shaurya Geet Competition of N.S.S. Unit sponsored by Nashabandhi Mandal Gujarat & Nashabandhi Abkari Khatu G'n
- 23.9.2012: PAN card awareness program by N.S.S.

3.10.2012: Mega Blood Donation & Thalesemia Nidan Camp by Divya Bhaskar Group & Indian Red Cross Society, 153 bottles donated by N.S.S. Unit – spon- Indian Red Cross Society, Kalol

2012: Voter Awareness Rally by N.S.S. Unit Kalol .

2013

Held megha blood donation camp in the college.

Tree plantation in college as well as surrounding areas.

Welcome to the youth of other colleges by planting saplings in the campus.

G.K. test held for the college students.

Held Zonal seminar- Leadertship camp.

Annual NSS camp in Shertha.

Drag Deaddiction camp in the college- Say no to

Tobacco.

One NSS college student Chhaya patel represented our Gujarat University at National level in Vishakhapatnam.

Garba mahotsava celebration.

Republic day celebration.

Election awareness programme in the college.

A visit to old age home.

N.C.C. Activities & Achivement of Cadet

Achivements and prizes won:

Since its conception in 1969, NCC has achieved great heights. Every year cadets of our college participate in various camps and activities organized by their units under the guidelines of the Asso.prof. Major C.K.Mevada.

Annual Republic Day Camp

The Annual Republic Day Camp (RDC) is held at Garrison Parade Ground, Delhi Cantt every year from 01 Jan to 29 Jan. 1800 selected NCC cadets from all States and Union Territories attend the Camp. This camp represents all parts of India and is in fact a 'Mini India' in itself. The Camp is normally inaugurated by the Vice President of India in the first/second week of January and culminates with the Prime Minister's Rally on 27 January.

Our cadets have also represented our college in the RD Parade in 26 January 2013 **Ajmeri Dilsad Lalbhai**

National Progarmme

Flag hoisting programme on 15th August (Independence day) as well as the Republic day (26th Jan.) by 50 students from college. 9th Battalion NCC Ahmedabad group, Gujarat.

Our college cadets are Selected Pre. TSC Name :Patel Kinjal ,Pandit Bohatram. Brahman Bohataram Chhaganlal –U/O Nayak Vashali Rajeshkumar – JU/O Dabhi Nilamben Hemataji – JU/O Dated 13th Sept.- 2011 (02/09/2011 to 13/09/2011) Delhi.

Our college cadet Brahman Bohatram Chhaganlal, **win CM Schollarship** : ‘Best NCC Cadet’

Our cadet ‘Select Various Forces’ : i.e P.S.I : Praful Prahaldhbhai Trivedi

In S.R.P.F : Gohil Kritpalsinh Balvantsinh, Dabhi Rajendrasinh Dilipsinh, Dabhi Rajeshwarsinh Gandaji, Solanki Mehulkumar Kantilal, Dabhi Tejpalsinh Nransinh, Gohil Ajaysinh Dilipsinh, Dabhi Yuvaj Bachuj

In Army : Chavada Dharmesh Bhikhaji

Every year a substantial no of cadets enrolled successfully obtain "C" certificates

Every year a substantial no of cadets enrolled successfully obtain "C" certificates.

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

Prizes and accolades bestowed upon the students of our college in various events at Zonal and Inter-Zonal level of Gujarat University Youth Festival during the years 2008- to 2014. 2007-8 Elocution: Jinal Brahmhatt

Debate: Ankita Gupta and Reena

Mono-Acting: Sonali Gajjar

Poetry Recitation: Jinal Brahmhatt

Verse compilation: Suahg Kapadia.

Inter-Zonal-Suhag Kapadia won IIIrd prize.

2008-09

At Zonal level-

Verse competition-Jinal Brahmhatt and Suhag Kapadia

Debate- Ankita Gupta

At Inter-zonal level- Poetry recitation Jinal Brahmhatt. III rd prize

2009-10

At Zonal level- Poetry Recitation: Jinal Brahmhatt

At Inter-zonal level- Poetry recitation Jinal Brahmhatt.-IIIrd Prize.

Elocution- Jinal Brahmhatt- IIIrd Prize.

2010-2011

Extempore- Zonal level-Mehul Solanki

2011-12- Debate- Bhavesh Parmar and Chirag PArmar

2012-13- At zonal level—Mono-acting- Shraddha Pandya

2013-14- zonal level- Mono-acting- Shraddha Pandya

Inter-zonal level won the 1st prize- Mono-acting- Shraddha Pandya

2014-15- at zonal level got prize in Group songs and classical vocal-Dipak Suthar.

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

- To improve the performance and quality, the college seeks and uses data and feedback from its graduates and employers as follow :
- Feed back from students appearing in the final graduate and post graduate programme are collected, then feedback is analyzed statistically by the Principal & IQAC Co-ordinator. The Principal & IQAC team then discuss the streangths and weaknesses regarding all the aspects found from feedback. They pay more attention about the weakness and implementation is made from the next academic year. The feedback from the employers, where the college students had been appointed were also collected and analysed.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

There is a separate CWDC notice board and departmental notice board also, where subject wise publications are displayed.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

- Yes, the institution has formulated student council on the basis of merit marks. The students who have secured the highest and 2nd highest marks at 12th standard, B.Sc. sem. II, sem. IV and Sem.VI examinations are the members of students council. The merit class representative (C.R.) is selected as per Gujarat university guide line. A girl student from Sem.V class who secured highest mark in her previous university examination is selected as Ladies Representative (L.R). The class representatives then elect or select the General Secretary (G.S), Cultural Secretary, Sports Secretary, Debate Secretary, Magazine Secretary and Tourism Secretary. Moreover some active students are co opted in the students union according to university rules, but they are not entitled to get any secretarial post. This procedure is applied every year.

Extracurricular activities are the major activities, which are performed by the students union through out the year. We take students union fees and gymkhana fees when they are admitted. The fees are utilized for the purpose to perform various cultural, sports activities and annual day celebration. Our management is a major funding agency

for awards, trophy and prizes given for excellent academic, curricular, extra-curricular, co-curricular activities performed during the year.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

- The college has constituted various academic and administrative committee for the smooth functioning various activities. The following are the academic and administrative bodies in which students representative is a committee member.
- C.W.D.C, UDISHA, , Cultural Committee, Sports Committee, N.S.S., Saptdhara, Career Guidance Cell, grievances and redressal, library and IQAC.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

- The institution collaborates with the alumni and former faculty members of the institution through : Face book, Telephonic services and inviting all of them in programmes arranged by the college .
 - All alumni and former faculty members provide progression information regarding global academic and industries and also some times render their services as experts in several programs carried out in the campus.
 - Shri S.G.Ninama , (senior clerk) renders his expert services to prepare all the pension cases for the staff members near to retirement.
 - Shri J.G.Vaghela (Former Head Clerk) render his service to prepare the roster point scale register and provides guidance to the students for SC,ST,OBC Minority scholarships.
 - Shri Ashvin Nayak (Head Peon) render his service during the University examination.
 - Shri Hemendra Raval, Shri Suresh Raval, Shri Jagdish Vaghela & Smt. Jignasha Vaghela were appointed as visiting faculty for Economics department. Shri Laxman Patel of Gujarati department was invited to deliver the lectures.Rajshree Patel, Jayshree Patel and Padmashree Patel of English department were appointed as visiting member to teach English. Mr. Chinmay Oza is serving as Laboratory Assistant in Micro Biology Department.

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



Criterion - VI

Governance, Leadership and Management



Criterion - VI

Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision:

To be a centre of rural upliftment with Education and literacy, Leading to moral duty awareness and development of character leading to National integrity.

Kalol Arts & Science College is one of the largest college in Gandhinagar district. The college is catering cultural spiritual and social education along with the degree. College has N.S.S, N.C.C, CWDC performing active role for the students

Mission:

Empowering the students to meet the demands of modern technological challenges towards the development of human resources, narrowing the gap between industry and academics. Teach students for the ecofriendly use of environmental energy resources, leading to sustainable National development.

Passing out of large number of students with graduation degree from the college satisfy the need of various industries, companies, Firms and NGO's in the periphery of Kalol town. The ultimate characters of disciplined civilian with moral values leads to sustainable National development.

Vision for future :

The flow of science & Humanity from our expert faculty members never stops to generate highly skilled, talented, research oriented, spiritual and good Indian citizen of high moral value SC/ST/OBC/Minority and economically backward adivasi students.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

- The role of top management, principal and faculty member is :
 - To plan and to provide the infrastructural facilities.
 - To appoint the teaching, laboratory and administrative staff members, but due to the Gujarat Government policy many of the sanctioned posts are vacant till today.
 - To pay more attention on the crucial and suggestive feedback obtained from Students, alumni and other experts.
 - To create supportive and creative environment among all the stakeholders who play an important role for the all round growth and overall development of quality education process.
 - To monitor the duties allotted.
 - To inspire and encourage students and staff members for distinctive achievement
 - To frame & to start new academic program according to the local industrial and academic demands.

The key authority, head of the institution, then implement and monitor the policy and plans framed before starting of academic program.

6.1.3 What is the involvement of the leadership in ensuring : The policy statements and action plan for fulfillment of the stated mission.

- To fulfil the stated mission, the top management at highest level gives enlightened leadership to the administrative & laboratory staff and faculty members of the college. The principal and some faculty members prepare action plan after long discussion to fulfil stated mission of institute.

The policies are framed according to the guidelines and instructions of Commissioner of Higher Education (CHE), Gujarat Government; Gujarat University, Ahmedabad and U.G.C. They are the governing authorities to sanction proposals put forward by the college management. After their approval, the institution implements the proposed program to fulfil the stated mission.

Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan :

The institutional strategic plans for all operation with the aim to fulfil our vision, mission, future vision, goals and objectives are :

The Institute forms the various committees such as UGC grant preparation and implementation, infrastructural development, hostel building construction, instrument purchase, IMF, sports, curricular and extracurricular committees. The principal, college convener and IQAC coordinator monitor all the activities and their implementation regarding the quality process and action plans

- **Interaction with stakeholders**

The principal and IQAC coordinator interacts with the students, alumni, parents, industrialists, teachers, employers, University personal, higher education personal etc, from time to time. This is for the organizational culture and the need for quality sustenance of the college.

- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**

The leadership of the college gave full support for policy and planning through need analyses, research inputs and consultation.

- **Reinforcing the culture of excellence**

Participatory leadership by allotting responsibilities to faculty members in various committees, guidance of the principal to update recent trend in teaching, learning and evaluation etc. and such work style reinforces the culture of excellence.

- **Champion organizational change**

The organizational structure of college involves leadership at several levels. Such decentralized system is highly effective in taking decisions and implementation.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

- The top management of the college is of the view of decentralization in system and thereby effective implementation and improvement to evaluate the plan and policies can be made more effective. The Principal has full authority for academic decisions.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

- The Principal as a head of the institution is fully involved in individual activities along with other responsibilities. He dedicatedly spare round the clock time for the overall development of the institution.

The Principal, college convener and IQAC coordinator discuss regarding academic functioning of the institution. They frame the track for effective implementation of policies and plans. The principal then has a meeting with HOD of different subjects regarding the curricular, co-curricular and extra curricular activities. The HOD then plans departmental academic activities and strategies in the presence of all faculty members for effective implementation by incorporating all the suggestions collected. The principal and college convener frequently conduct the meeting and gave the guidance regarding the problems and issues related to college development, administration, infrastructural and student disciplines. Thus principal & top management gave the effective leadership for the academic & social growth.

6.1.6 How does the college groom leadership at various levels?

- Our principal Dr.K.C.Deshmukh. is a good administrator, academician, researcher and cultural activities expert not only at institutional level but also at district, university and state level. Under his leadership all the faculty members have obtained effective guidance for curricular, extracurricular, in house and out house activities of the institution. Principal has dedicated himself for the all round progress and growth of the institution. Moreover, all faculty members took every suggestion & guidance from the principal and top management and performed their allotted duties in most effective and successful manner. When the faculty members performed their allotted duties, principal and top managements identify the potentiality of the teacher. The top management encourages teachers potentiality and give strong support and entrust the teachers responsibility. The exposures given in this way ensures preparation and grooming of next cadre of leadership.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

- The formation of different curricular, extracurricular, research, consultancy, timetable, grievances redressal cell and administrative committees is infact decentralization of governance. Principal conducts formal and informal meetings with academic, non-academic, administrative staff and students of the institutions and collects the stakeholder's suggestions and views for effective implementation. Then principal discusses regarding all the difficulties with some senior staff members and also with management for effective implementation of the proposed suggestions.

Generally, college authority including principal does not interfere with any departmental issue unless it is highly required. The departments are provided enough autonomy and freedom regarding the departmental issues such as teaching methods, use of ICT, distribution of work, organization of academic seminar, quiz, group discussion, preparation of projects, assessment or evaluation, other curricular and extra-curricular activities of the department. If there is any problem regarding any teacher of department or student, then such problems are solved by department only. Thus operational autonomy is provided to the departments which work towards the decentralized governance. Although departments do not have full autonomy for any serious issues.

6.1.8 Does the college promote a culture of participative management? If ‘Yes’, indicate the levels of participative management.

- The institution promotes the participative management at various levels. The trustee, president, secretary, college convener and some society members actively monitored day to day working of the college administration, governance and all academic activities through principal. They inspire the staff members at staff-meeting, on pratibaddhata day celebration and by personal interaction for the staff member’s best efforts and for the active involvement in achieving milestone in curricular, extracurricular and personal activities. The management takes care for financial expenditure and manages the funds for overall developmental activities of the institution to reach the distinct milestone at district, university, state and national level.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

- Yes, institution has formally stated quality policy for the overall development of the institution. The policy is decided by Principal, college convener and IQAC committee. They deploy the policy at the staff meeting and some time at informal meetings with stake holders.

The principal explains the academic, infrastructural curricular and extracurricular policy for the institution developments except some policy like paper setting, grievances etc. on the welcome day for the students enrolling first time in the institution. The Principal & IQAC coordinator also deploy the above developmental policy to the members of students union and they convey the development policy of the institution during their informal and formal meeting and gathering.

The implemented institution development quality policy is then reviewed by Principal, college convener, IQAC - coordinator and some senior staff members and it is deployed during staff meetings.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

- The head of the institution discusses the perspective institutional plans with the management for all round educational development and obtains approval from the management, University and if required from commission of higher education, Gujarat Government.

Principal then discusses the strategically all round growth institutional plans with the staff to verify its implementation and the same is communicated to the students union members and to the students in classroom.

6.2.3 Describe the internal organizational structure and decision making processes.

- The institution is conducted by " KALOL TALUKA KELAWANI MANDAL and is affiliated to Gujarat University, Ahmedabad. The institutional Organizational structure and decision making process directly or indirectly according to rules and regulations laid down by commissioner of higher education, Gujarat University and KTKM. The organizational system is as follow. :

- Managing Committee
- Executive Committee
- College Convener
- Head of the institution.

The above are the policy maker and planner for all round development and growth of the institution. The principal conveys the message regarding institutional strategies to the following

- HOD for academic activities.
- Head clerk and administrative staff for all administrative problems and implementation.
- Various committee members for each and every activity under their jurisdiction and finally the students.
- The principal, HOD, administrative staff and co-ordinator of various committees convey the curricular, extra-curricular and co-curricular activities to the students.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

➤ Teaching & Learning :

The Gujarat University has introduced CBCS semester pattern for U.G. courses from the academic year 2011-2012 .Therefore, there is a considerable innovation in the teaching and learning. The semester pattern is based on the continuous evaluation of the student, which includes the seminar, assignment, quiz etc. Some faculty members have started teaching by modern methods such as LCD, power point presentation, use of models, charts, interactive board & internet etc. Some departments have implemented field training program and project work regarding the research activities. The library of the institution is strengthen by installing N – List and internet facility.

Research & Development :

The institution has five university recognized research guide. For the quality improvement in research activities institutional strategies are as follow :

- To improve and inspire for research ,faculty members were directed to participate in

research workshop, the number of faculty participating in seminae workshop has been increased.,

- Two faculty members have completed their research work and were awarded Ph.D.
- Five faculty members have been recognized as a research guide at Gujarat university.
- To encourage all the faculty members to participate in the seminar, workshop, paper presentation etc.
- All the faculty members are encouraged to prepare and to submit the minor research project to various funding agency

Stream	Department	M.Phil			Ph.d		
		Completed	Ongoing	Guide	Complete	Ongoing	Guide
Arts	Gujarati	-	-	1	1	1	-
	History	1	-	-	2	-	-
	Sanskrit	-	-	-	2	-	1(5)
	Psychology	2	-	-	1	2	1(7)
	English	1	-	-	-	1	-
	Economics	-	-	-	-	1	-
	Hindi	-	-	-	-	1	-
Science	Chemistry	-	-	-	6	1	3
	Physics	2	-	-	-	1	-
	Micro	-	-	-	3	-	2
	Biology	-	-	-	1	-	-
	Maths	-	-	-	-	-	-
Total	12	6	-	1	16	8	7

There is a rich harvest of research activities going on in this college. We are proud that there are 16 P.hd and 06 M.Phil degree holders out of them 07 all Ph.d guides and 01 M.Phil guide. There are 08 faculties who pursue their Ph.D research work. 04 of them have already submitted their. Dr. H.K.Solanki in Sanskrit guides 05 students, Dr. J.G.Parikh guides 07 students, Dr. M.R.Mehta guides 04 students in various universities

Community engagement :

All the community, social, extracurricular, extension and consultancy activities are performed by the N.S.S program officer and P.T.I. under the guidance of the principal and IQAC co-coordinator. For the quality improvement of all activities, the institution has following strategies:

- The Institution seeks advice from some experts of the other institutions, regarding what is the drawback, difficulties, and their solution etc.
- All the activities are monitored through principal of the institution.
- Suggestions from students participating in various activities are collected and suggestions for difficulties they experienced to perform activities are also collected.
- All the suggestions are analyzed and then implemented for the quality improvement.

Some faculty members of the college are secretary, member or active participants of JCI and Rotary club.

During election, Principal and almost all faculty members rendered their services as zonal officer, presiding officer, assistant presiding officer and other duties allotted by election commission of India. They also conducted various programme, allotted by returning officer (R.O.) and assisting returning officer (A.R.O.) such as right to cast vote, importance of voting etc. Thus college performs its duty for community engagement.

Human resource :

For human resources the institution depends on the strategies implemented by commissioner of higher education(CHE) and Gujarat University. For vacant academic , non-teaching, Laboratory and administrative post, the management appoints the adhoc staff members after the personal interview.

Industry interaction :

Job placement is also an ultimate target after completion.the institution remained successful in inviting industrial people from outside.Several placement activities have been performed..Dr.H.K.Solanki has taken keen interest in ctive functioning of career corner..There is a regular coaching of various competitive exams.

Study our has been organized by science department.College had understood the importance of trained & skilled human resources at various industries.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

- The executive members of management and head of the institution meet twice or thrice in a month. In meetings they discuss the academic matters. Occasionally they also meet with the staff members. The members of management also remain present during all college functions such as annual day celebration, COP certificate distribution day, Opening

ceremony of N.S.S. camp, Republic day, Independence day etc. During some meetings head of the institution conveys various feedbacks collected from students, parents, alumni and other stakeholders regarding the functioning of the college. Sometimes the college convener also meets with students for effective teaching learning methods and for the implementation of other institutional activities. In addition, there are several common forums where the members of the management have frequent interaction with the stakeholders of the college.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

- Management always takes positive attitude towards involvement of staff in various activities for the improvement of academic work. Our management encourages and supports the staff members for improvement of the efficiency by presenting award on Republic and Independence Day.". Management sometimes circulates a letter amongst the staff members for special institutional achievements. Management accepts the suggestions from the various committee members, then college convener and head of the institution implement the suggestions for effectiveness and efficiency of the institutional processes

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

- The list of resolutions made by the management council in the last year is as follow:
- To permit Dr.K.C.Deshmukh. as District co-ordinator appointed by KCG and to permit Dr.J.G.PARIKH. as District initiative incharge for all KCG activities.
 - To appoint Dr.C.K.MEWADA as VICE principal.
 - To appoint Dr.H.K.Solanki. as NSS programme officer and Dr.J.G..parikh. saptdhara co ordinator.
 - To appoint Dr.M.A.Makwan as IQAC co-ordinator.
 - To bifurcate the Biology department into seprate Botony department and Zoology department.
 - To analyse soil samples for soil health card program. It is voluntary
 - To appoint adhoc teaching and non-teaching staff members according to departmental and institutional requirement.
 - To start three career oriented courses and to appoint the co-ordinator for the suggested courses.
 - To make use of college ground for tree plantation.
 - To start the self financed B.Sc.program.
 - To perform all the curricular, co-curricular and extracurricular activities under Swarnim Gujarat celebration.
 - Mandatory computer knowledge to all administrative staff.
 - To maintain computers in the campus by common professional agency.
 - To provide computer facility with internet to all departments, administrative-office,staffroom & library.
 - To provide required financial assistance after discussion in common budgetary meeting with Head of the institution.
 - To organize three day workshop entitled “ Promotion of Culture of Quality Through research ” for the Gandhinagar District teaching faculty members under Knowledge Consortium of Gujarat, Gandhinagar (at present Ahmedabad)
 - To prepare the reaccreditation report for second cycle.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If ‘yes’, what are the efforts made by the institution in obtaining autonomy?

- Yes, Gujarat University has the provision for status of self financed programme , our management has proposed to start self financed B.Sc.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

- The institution has a mechanism to receive the complaints or grievances orally, direct meeting with co-ordinator of the cell or through complain box and immediatly it is attended by the head of the institution and co-ordinator of grievance redressal cell. Parents share their grievances with teacher by appointment at department or in the Principal office. There is Collegiate Women’s Development Committee (CWDC)working in a college in which complaints and grievances of female members and girls are solved. The grievances are properly recorded, based on the nature of the problems.

Mechanism for redressal :

- The coordinator of grievances redressal cell, IQAC and CWDC analyzed the complaint in their own way.
- After analysing the complaint,it is discussed with Head of the institution and college convener.
- For serious grievances, if felt,necessary parents are informed by the institution and asked them to remain present for face to face interaction with grievances redressal cell.
- For under assessment complaints or for any unjustification, the Principal’s and the grievance redressal’s cell decision is final.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute ? Provide details on the issues and decisions of the courts on these?

Yes, the case was regarding the matter of theft occurring in science laboratories. Case was resolved through intervention of Tribunal.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If ‘yes’, what was the outcome and response of the institution to such an effort?

- Yes, The institution has the mechanism to analyse feedback on institutional performance. The whole process is monitored and carried out by institution, through unique questionnaire prepared for the purpose. The questionnaire assess aspects related to curriculum, infrastructural facilities, students support services and staff performance. The students’ feedbacks were collected at the end of every academic year.

The Principal and some staff members analyze the feedback and the concerned teachers are encouraged for improvement. We have also discussed regarding the feedback with alumni, parents and from the experts.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff ?

- The following efforts have been made by the institution to enhance the professional development of teaching and non-teaching staff.
 - The institution has provided internet facility to all departments, library, staff room and administrative office.
 - The institution has launched interactive board at botany laboratory and provided LCD, OHP, Charts, models, printer, scanner etc. for the professional development.
 - The top management of the college has conducted following programmes to improve quality of teaching for all schools and colleges staff members.
 - The knowledge consortium of Gujarat (KCG) has organized seven days capacity building and training program at PDPU-University Gandhinagar, Five faculty members were trained under this programme
 - The KCG has also arranged on line discussion with officers of Commissioner of Higher education (CHE) Gandhinagar for administrative problems through BISAG, the officers had guided the college administrative staff.
 - Some laboratory staff members were trained by commissioner of higher education (CHE) and college management of Petlad and of Nadiad for the implementation of CBCS program at UG level, to maintain roster register and other administrative issues.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- The institution empowered the faculty members by motivating them to attend seminar, workshop, refresher course, orientation course, two way communication BISAG lectures, symposium, other academic, curricular and extra curricular activities of saptdhara program. The “saptdhara” is state government sponsored KCG capacity building programme.

The departmental head, some senior staff members and college convener take a close review of the various mechanisms and suggest the name of those faculty members who need further training or retraining to perform his/ her role. The institution sanction registration fees to attend such training program. All the teaching and non-teaching members are free to perform various curricular and extracurricular activities of their choice and get self training through experiences.

The employees of the institution can interact with any industrial, academic, subject expert and students for their better responsible performance. Thus all the teaching and non-teaching faculty members perform their roles in the effective manner with all responsibility for all round growth of the institution.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

- The self appraisal reports in the prescribed format are collected from all faculty members. These format covers all the aspects regarding curricular, extra-curricular, assessment, other in-house and out-house activities. The head of the institution and IQAC coordinator analyze the appraisal report through SWOT analysis.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

- The principal and IQAC coordinator review the self appraisal report. The institution communicate the weakness of concern staff personally and common weaknesses are communicated during the staff meeting. The Principal suggests the way to overcome the weakness to the concern staff member. The management and head of the institution do not take any financial action for the weakness. For the academic and extracurricular activities the staff member is appreciated by the management by giving “Karmsheel award”. The management and head of the institution also appreciate the faculty members for the Ph.D. guide ship and for the Ph.D. degree award.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- The following are the welfare scheme available for teaching and non teaching staff members.
 - Registration expense for attending seminar, workshop, conference etc. Total expenditure to the staff member for conducting educational, industrial tour.
 - Honored for achievements. : 35%
 - Laboratory facilities for research work. : 100%
 - The college helps the employees for getting their G.P.F. loan, car loan and housing loan. : 90%
 - Kalol Employees cooperative credit society .Ltd. Gandhinagar was established on 30th November 1959 , it provides the loan for food grains, to construct the building, to renovate the house, for furniture and to purchase vehicles. : 70%
 - Maternity leave are granted to women employees. as par rule.
 - Paternity leave are granted to men employees. : 00%
 - The college provides state insurance scheme known as “Group Insurance Policy” to the permanent staff members. : 100% for permanant staff.
 - The college provides free uniform periodically to its entire class IV staff. 100% of the class IV staff have availed such facility.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

- To attract and retain the faculty, the institution has tried it best to develop good infrastructural facilities for teaching and research purpose. The reputation of the college for teaching and research activities is also factor to attract and retain the faculty members. Due to limited source of income, it is difficult to pay higher remuneration to eminent faculty . This is one of leading institution of Gujarat University, where research, curricular and extra curricular activities are actively performed. The administrative and academic environment of the institution is healthy. All these are the measures to attract and retain eminent faculty in this institution.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

- The institutional mechanism to monitor available financial resources in most effective manner is as follow :
 - A budget is formulated for every financial year with approval from the management board.
 - Annual budget is designed according to the requirements of college including books, laboratory expenditure, infrastructure development, other facilities in college, salary of adhoc staff, stationary, maintenance of equipments.
 - The statutory bodies of the college, the finance committee and the management board review the use of resources including budget and accounts. They make recommendations for better handling of resources and for resource mobilization.
 - Every bill is checked by the account sections before passing for payment.
 - The following is the process before placing the order.
 1. Quotations are obtained from the suppliers for the required material.
 2. The sealed quotations are then scrutinized by secretary of KTKM, college convener and Principal.
 3. The quotation of lowest price for required material is selected.
 4. The payment of the required material is paid through A/C payee's cheque or through demand draft.

6.4.2 **What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.** The college has well defined internal and external audit process. The internal audit is done on yearly bases by our internal auditor shriDhaval Gandhi (Reg. C.A.) appointed by the management at the close of each financial year and before the submission of balance sheet to the appropriate authority. The external audit is done by commissioner of higher education (CHE) and account general of Gujarat State (A.G) according to their scheduled program. The last external audit was made by CHE on 13/03/2013 and 14/03/2013. No major objections were raised by the external and internal auditor. The audited reports for external audit from CHE (year 2008-2013) and internal auditor are enclosed here with.

Last five years report are attached herewith in Annexure.One.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

- The internal audit of the grants were made during every financial years. The major sources of funds to institution are UGC, State Government, college management and donation from society.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

- The institute makes the efforts to generate additional funds from UGC and other project grants in addition to the resource developed through fee collection. Institute regularly applies for the new schemes and grants proposal of the UGC, FIST-DST and Government of Gujarat

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a) Has the institution established an Internal Quality Assurance Cell (IQAC)?

If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

- Yes, the institution has established an internal quality assurance cell on 22nd May 2008. The institutional policy with regard to quality assurance is enumerated as below. The principal, college convener, IQAC coordinator and some active members formulate the quality measurement method for all the curricular and extra curricular activities. The above committee members also formulate the assessment, monitoring and implementation process for the quality assurance of all the curricular, extra curricular and infrastructural development policy. The various activities to be performed in the institutions and quality assurance process are as under:

- Imparting career oriented courses, SCOPE and Digital Education and Learning Laboratory for all round development of students by implementing university and UGC approved curriculum.
- Continual up gradation of facilities and human resources with a commitment to strive for improvements in all aspects of quality management.
- Members of the IQAC are key members of the institution and management, they help in implementation of suggestions more effectively and timely.

b. How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?

- Most of the decisions of IQAC have been approved by the management for implementation and in fact the decisions are taken in the presence of principal and college convener. The major approved decisions are enumerated as follow :
- Decided to celebrate various activities under Swarnim Gujarat KCG Saptdhara programme : Implemented
 - Decided to promote research activity in the college campus : Implemented
 - Decided to make use of college ground for tree plantation : Implemented
Decided to make use of College premises and the science lab for Soil testing by the Chemistry department : Implemented.

- Decided to start self financed F.Y. B.Sc. : Implemented
- Decided to arrange the campus placement programme and various career oriented program : Implemented
- Decided to participate in “Chalo college abhiyan”, “Vanche Gujarat”, “Doude Gujarat” and “Khel mahakumbh” programmes: Implemented
- Decided to allow the Scope Lab for Taluka colleges , College DELL lab as Taluka Exam Centre: Implemented

c) Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

- Yes, the IQAC has appointed, Dr.Bhavesh Patel.Principal VP and RPTP college.VVnagar.as external expert IQAC member and it also includes college convener. The external members had contributed significantly in terms of advices and guidance with regard to skill oriented programmes and for all-round activities of institution.

d) How do students and alumni contribute to the effective functioning of the IQAC?

The students and alumni contributed effectively in the functioning of IQAC in term of suggestions. e.g. to continue soil analysis, to celebrate Swarmin Gujarat Saptdhara program etc. The student union members help to fix the internal - examination program, to arrange various extra-curricular and community extension activities & also help for the justification of students grievances.

e) How does the IQAC communicate and engage staff from different constituents of the institution?

- The IQAC maintains continuous communication with the staff members of the college through head of the institution by way of conducting internal meetings.
- The institution has tried its best to include members from all departments, management, administrative staff, student, alumni and external member.The IQAC decisions are communicated to all stakeholders through circulating notice, through and displaying on the notice board.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.

- Yes, the institution has an integrated framework for quality assurance of the academic and administrative activities. The IQAC conducts regular meetings in which various initiatives are discussed before its implementation. These IQAC meetings provide opportunity to interact with academic members, administrative staff members and students. They are very helpful in understanding and appreciating the problems, suggestions and input.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

- Yes, partial training is provided to the laboratory staff for effective implementation of the quality assurance procedure. The training to the teaching staff is rarely required. The teaching faculty member himself formulates the quality assurance procedure through discussion with institutional and other institutional expertise, through internet, by making use of N list library etc. For non teaching staff the training is required . Such training is regarding the student's arrangement for practical's, to maintain the discipline in the laboratory, to store the assessment data, to keep the laboratory well equipped and clean, to enroll the newly admitted students and various such activities. Mr Mayur waghela gas mechanic and Nirav Shah has participated for such training. They have also been acquainted with ICT. From clerical department Mr. Shantilal Ninama and Mr. Babubhai Gameti have attended workshop at Mg. Science and at Petlad college.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

- **Internal Audit** : The college conducts an internal academic audit of each department, at the end of every academic year, through the study of performance graphs of students

and through meetings between departments, principal and management. The feedback of the students is one of the measurement criterion for internal audit.

- **External Audit**: For external academic audit , the institution consider the Gujarat University results of the students as a parameter. The institution results are compared with the overall Gujarat university results and some time with the top

ranked Gujarat university science colleges. For various departments the number of research publications, number of seminars, workshops, symposiums, refresher courses, number of paper presentation etc. are considered as external academic audit parameters. College was accredited by NAAC in april 2008 and also preparing for next NAAC accreditation in academic year 2014-15. The institution considers such accreditation also as external academic audit parameter.

- The institution also consider the first rank secured at various districts, states and Zonal level competition. The head of the institution and college convener remains in touch with performance level of teacher, completion of syllabus and academic activities.
- Academic and administrative performance of the college is audited or reviewed through “AAA” the state Government KCG program. The institution is also preparing to submit the report for “AAA” accreditation in the academic year 2014-15.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

- The institution is affiliated to Gujarat University, Ahmedabad and approved by state government and UGC. The institution follows the internal quality assurance mechanism as decided by the external agency or authority constituted by Gujarat university, state government and UGC policies adopted by all the above three governing bodies.
- Provision of well furnished laboratories, library and basic requirements.
- Involving management, teachers and students in activities that sensitize them to academic, social, research and environmental issues.
- The suggestions made by external agencies such as knowledge consortium of Gujarat (KCG), director of education and commissioner of higher education (CHE) are given importance during IQAC meetings.
- Suggestions from alumni and experts visits have been of great value to IQAC's planning.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

- The review of teaching and learning process is being continuously monitored by IQAC by evaluating the academic performance of each faculty.
 - The institution takes feedback from students, parents, industrialist, academic experts and other stakeholders regarding the needs and modification in current teaching and learning process.
 - The HOD's and Principal keep evaluating and reviewing the teaching and learning processes of departments and the college respectively.
 - The classroom tests, attendance, assignment, group discussion, quiz, seminar etc. are observed and analyzed by teachers. They provide their inputs to the HOD's and to the Principal also.
 - The outcome of teaching learning process is the improvement in University results and our students have secured the top rank at University level during the last five academic year.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

- The institution communicates its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders through, meetings, notices, advertisement in the news paper etc.

The students are in continuous and direct contact with teachers of the college. They gave details of innovations regarding new schemes and programmes related to study, research and industries. External members are a part of IQAC. They give advice to enhance the quality of education. Alumni give suggestions to improve the quality of education.

Criterion - VII

Innovations and Best Practices

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

- Yes, the institute conducts a green audit of its campus through the NSS program. Eco Club is established where the NSS, NCC and other students adopted the Trees and taken oath to take care of them. More than 100 trees were planted in campus, which are taken care by the institute. Every year students of N.S.S unit plants, 20-30 trees and celebrate tree plantation day. These plants are supplied from forest department of Gujarat Government. To maintain eco-friendly atmosphere “Green Cluster”, the following seven point program is adopted by the college
- Green building for quality living.
 - Know green and think green is promoted on the campus.
 - Water conservation and prevention of water wastage.
 - Carbon dioxide neutrality is maintained on the campus by developing more plants.
 - Global warming, biodiversity and pollution control programmes were incorporated in the curriculum.
 - Attempt to maintain free plastic zone.
 - Switch off monitors after the work.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

The initiatives taken by the institution to make the campus eco friendly are as follows :

Energy conservation :- The college has a canopy of trees and plants that made the environment carbon dioxide free and to maintain health of all the inmates. The campus has neem trees, gulmohar trees and other trees which provide shade and a beautiful ambience.

The college classrooms are ventilated and well lighted so we do not require electricity during the day time. Energy is also conserved by using natural light in the class rooms. The college has made arrangement for the parking of vehicles of students and Staff in the college ground at separate place. This helps in keeping the campus clean to a greater extent.

Use of renewable energy :- Solar energy is the natural available source of renewable energy. The institution is planning to install solar units inside the campus. Electric lights are rarely switched on during the day time.

Water harvesting:-Water harvesting is maintained by accumulating and storing of rain water for reuse. Institution has lot of scarcity of water and is located where water source is very limited due to stony land. So, we fulfil our requirement of water through tanker. Rain water is stored in bulk and it is utilized as raw material for the deionization plant at the chemistry department. Water leakages are continuously checked to prevent wastage of water.

Plantation :- Environment is one of the major influencing factors in our daily life. The institution has planted about 50 trees in the campus and it will be continue to add more 20-30 plant every year with the help of N.S.S. unit ,Eco Club and N.C.C unit of the College.

Hazardous waste management :-

We have chemistry, Microbiology and biology laboratories which generate harmful waste. The institution is aware and knowing its responsibility towards the environment and has proper disposal system for their hazardous waste. The chemical wastes are dumped in the waste land of no practical use and the paper waste is discarded by fire.

E-waste management :-

After the life time of computers and their accessories, they are sold as a scrap to the local vendors. The batteries used for the U.P.S are brought on buy-back basis. Buy back system which includes giving systems back to the company from where they were purchased.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

- Only good quality teachers could generate enlightened minds, install confidence and will power in students to help them to realize their dreams. For the improvements in quality education, it is essential to adopt innovations.

The innovations introduced during the last four years which have created a positive impact on the functioning of the college are as follow :

The IQAC ensured schedule and proper functioning of all the administrative and academic work. The committee has taken follow up of the academic work and if necessary modification is suggested.

- The financial audit has helped to proper maintenance of accounts and controls the financial activities.
- The study tours and industrial tours were organized as a part of the curriculum to enhance the practical work.
- Regular interaction between the teaching faculty, administrative staff and management helps to improve the quality.
- Overall academic performance of the students is monitored, maintained and conveyed to parents if necessary.
- The students are involved under the scheme “Earn while you learn” i.e. Soil Health Card Project.
- The students are encouraged to express innovative plans and execute academic culture, social events and activities through class seminar, cultural programmes and functions.
- The students are motivated to improve the performance in examination, co curricular and extracurricular activities through rewarding and awarding trophies, prizes, certificates etc.
- The career counseling cell and N.S.S helps in maintaining and imparting quality.
- The library has subscribed program for KOHA.
- The facilities on the play ground is a great asset for the sport students.
- Every Year we organize one-day Personality development Seminars with the help of Dr M.R.Mehta and Mr.sanjay kansara.
- The campus is guarded by security guards during day and night time. The students are given identity cards. This mechanism helps the college to maintain discipline, as a result, there is healthy atmosphere in the campus.

- The facility of computer laboratory with broadband internet connectivity is made available for students and staff. There are 26 computers and 15 Internet High speed connections made available in the college to create and develop ICT culture.
- Provision of drinking water facility with cooler and purifier.
- Continuous evaluation of the students through monthly test, class seminars, home assignment, group discussion etc.
- Celebration of national days i.e. Independence Day & Republic Day to create awareness about national culture in the college. Moreover, cultural activities are also held in the college. We celebrate Saari day and traditional day. Other competitions are held under the banner of CWDC, NSS and Eco club. Such programmes give exposure to the students which help them in the long run.
- Digital Education and Learning Laboratory and SCOPE program also in operation where English communication training is provided to the students. of DELL lab Every year nearly 1000 students appear for online English language Test.
- The institution has fixed smart boards Electronic panaboards in DELL lab and Psychology Lab with projectors.
- Many of the faculty members use charts, models etc. for teaching.
- The feedback is collected from the students and parents regularly at the end of every academic year. The English department holds “open days” every year for parents and students to come and see their assessed exam answer sheets , which shows the transparency in the assessment work.
- To make the transparent assessment at the internal examination, the brown coloured stickers are pasted on the answer sheet.

7.3 Best Practices

7.3.1 Best practice - I

Elaborate on any two best practices as per the annexed format (see page ..) which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

➤ **Title of the practice : Swarnim Gujarat ‘Saptdhara’ Program**

GOAL :

To impart holistic education based on gospel value of love, justice, equality and peace to young SC, ST, OBC and adivasi student from tribal area and enable them to develop as intellectually mature, morally upright, socially responsible, spiritually inspired and culturally active students. To provide opportunities for rural area students to get trained in various extracurricular activities such as Folk art, Elocution, Skits, Essay writing, Patriotism song, Rangoli, Mahendi, Western solo dance, Poster making, Classical music, Mime, Light vocal music, group song etc. Our college students have fared well in the Youth festival competitions as well as District level Inter-University competitions too. Our students Zinal Brahmhatt and Shraddha Pandya stood University First in Elocution competition.

The context :

After the independence in 1948 Mahagujarat andolan took place to integrate the entire Gujarati Speaking population under one administrative body and on May 1st 1960 the Bombay state split into the states of Maharashtra and Gujarat.

On 1st May 1960 and with first ray of sunlight heating the ground, Gujarat began a new era. Before that Gujarat was a part of Mumbai state. After long struggle the central government agreed to constitute the state of Guajrat. First Government of Gujarat was sworn on May 1st 1960. Now on 1st may

2010 Gujarat was completing 50 years of its formation, the state is celebrating its golden jubilee (Year 1960 to 2010) to make it truly a golden Gujarat.

Under this celebration the government planned to launch Swarnim Gujarat mission for excellence to celebrate this mile stone. By the year 2010 the state proposed to induce renewed spirit and to introduce new action plans i.e initiatives are listed below. Among several initiatives taken by vibrant Gujarat the KCG established by the department of education.

INITIATIVES :

- Choice Based Credit System (CBCS) implementation of academic reform
- Karmyogi Training
- Knowledge Management program for faculty (KMPF)
- Information and communication Technology (ICT) initiative in higher education.
- Sandhan : All Gujarat integrated in higher education classroom
- Active learning Methodology (ALM)
- **Saptdhara**
- UDISHA : Students internship/placement and industry initiatives
- Revamping of Libraries
- Gold Club : Celebration of excellence in higher education
- Academic and Administrative Audit (AAA)
- Mission Mode Implementation (MMI)
- Awards for Principals & Teachers
- Vanche Gujarat
- SCOPE & DELL

Under the auspices of mission for excellence the colleges and Universities across Gujarat will have to focus various areas of education art and knowledge for the manifold progress for the youth. These areas of focus are known as saptdhara they are as under :

- Knowledge band - Gyan Dhara
- Creative expression band - Sarjanatmak Abhivyakti dhara
- Fine arts band - Rang,kala Kaushalya Dhara
- Theatre Band - Natya Dhara
- Music and dance band - Geet Sangeet Nrutya dhara
- Yoga and sports Band - Vyayam, yog Khel – kud dhara
- Community Social service Band - Samudayik Sevadhara

The saptdhara coordinators and the various activities of saptdhara program are as follow:

Sr.No.	Dhara	Co-ordination of College	Activities
1.	Gyan dhara	Dr.J.M.Chaudhary and Prof.M.A.Macwan Shree S. B.Kansara from Science	Essay writing, Quiz, Elocution, Vanche Gujarat etc
2.	Sarjnatmak Abhivyakti dhara	Shri H.L.Joshi Dr. M.R.Mehta and Prof.S.B.Kansara	Workshop, Eminent lectures, Kavya pathan translation, Story writing etc.
3.	Rangkala Kuaushlya Dhara	Shri H.L.Joshi, Mrs. Daxaben P.Patel, Mrs.Reetaben C.Patel	Mahendi, Rangoli, Poster making, on the spot painting competition & Collage
4.	Natya dhara	Shri H.L.Joshi Shri C.K.Mevada	Drama, Skits, Mime, Mimicry and Monoacting
5.	Geet - Sangeet dhara	Shri H.L.Joshi Shri C.K.Mevada Shree S.B.Kansara (science)	Classical Music, Lok sangeet, Light vocal music, Solo dance and Western song etc.

6.	Vyayam Khelkud dhara	Yog Dr.J.G.Parikh Shree S.B.Kansara Shri Tarun Patel	Pranayam, Aasana, Mass drill, vande Mataram song, outdoor and in door sports etc.
7.	Samudayik Sevadhara	Shri H.K.Solanki Shri C.K.Mevada Shri P.H. Solanki	Tree plantation, Establishment of the Eco club, environment awerness and other N.S.S. activities.

Saptdhara college coordinator : Prof.C.K.Mevada.

Saptdhara Gandhinagar district coordinator :

The dhara convener, college saptdhara coordinator and district coordinator monitors all the activities allotted to the students for effective implementation. Under the effective and impressive guidance of all the expert coordinators, more than 150 activities have been performed during last five years. The followings are the major achievements of saptdhara program.

Evidence of success :

- Commissioner of higher education appointed principal Dr.K.C.Deshmukh as a chair person of some “AAA” peer team.
 1. Baroda collector Office appointed Prof.H.L.Joshi a judge of the Full Length Drama competition organized by Baroda Collector Office as a part of the celebration of Gujarat Governments “Swarnim Gujarat Celebration”, 2010, held during 27th Sept. 2010 to 2nd Oct. 2010.
 2. Sardar Patel Uni. Vallabh Vidhyanagar invited Prof.H.L.Joshi to Judge their various theatre events like skit, mime mimicry & drama, in the Uni. Youth Festival during 4th Oct. 2010 to 6th Oct. 2010.
 3. Prof.H.L.Joshi was invited as a Resource person to attend a seminar on – ‘Shakespear’s Relevance Today’ held on 21-22 Jan. 2011 by St. Xavier’s College, AHmedabad.
 4. Prof.H.L.Joshi conducted a Drama workshop for 7 days as a resource person at St. Xavier’s College, Ahmedabad during 17th Jan. 2011 to 27th Jan. 2011.
 5. Prof.J.G.Parikh renders his service as a Co-ordinator of Sapt-dahara at District level.
 6. Prof J.G.Parikh also served as an interviewer for a programme of Police recruitment in Ahmedabad, Gujarat state. He also served as an expert in Principal’s Training. He also served as a Co-ordinator of Saptadahara at Zonal level.
 7. Prof.S.B.Kansara also serves as Kalol Cluster Co-ordinator of KCG. And he is also a Professor in-charge in our college for UDISHA of government of Guajarat.
 8. Prof S.B.Kansara also served as cluster co-ordinator for science section.

National Level :

NSS-NCC Youth festival students taking part in Dist, State-National level activities- seminars - In 2010, Dr.J.G.Parikh led 14 students of his department to a Workshop on Child behavior in Jodhpur.

In 2011 He led 110 students to a workshop in Kanoria Centre for Rehabilitation, Gandhinagar. and a visit to Mental hospital in Ahmedabad.

In 2012 he led 78 students to a visit to a Forensic Lab in Gandhinagar.
Again he led 80 students to a tour and visit to KAnoria Hospiatl, Gandhinagar.and a visit to Mental Hospital, Paldi, Ahmedabad.

Prof J.G.Parikh attended a National Seminar and workshop in J.N University, Jodhpur , Rajasthan in 2013. He also took 16 students in this seminar. 16 students presented research papers in this seminar on Child Behavior

State Level : University Level :

Prizes and accolades bestowed upon the students of our college in various events at Zonal and Inter-Zonal level of Gujarat University Youth Festival during the years 2008- to 2014. 2007-8
Elocution: Jinal Brahmbhatt

Debate: Ankita Gupta and Reena

Mono-Acting: Sonali Gajjar

Poetry Recitation: Jinal Brahmbhatt

Verse compilation: Suahg Kapadia.

Inter-Zoanl-Suhag Kapadia won IIIrd prize.

2008-09

At Zonal level-

Verse competition-Jinal Brahmbhatt and Suhag Kapadia

Debate- Ankita Gupta

At Inter-zonal level- Poetry recitation Jinal Brahmbhatt.III rd prize

2009-10

At Zonal level- Poetry Recitation: Jinal Brahmbhatt

At Inter-zonal level- Poetry recitation Jinal Brahmbhatt.-IIIrd Prize.

Elocution- Jinal Brahmbhatt- IIIrd Prize.

2010-2011

Extempore- Zonal level-Mehul Solanki

2011-12- Debate- Bhavesh Parmar and Chirag PArmar

2012-13- At zonal level—Mono-acting- Shraddha Pandy

2013-14- zonal level- Mono-acting- Shraddha Pandya

Inter-zonal level won the 1st prize- Mono-acting- Shraddha Pandya

2014-15- at zonal level got prize in Group songs and classical vocal-Dipak Suthar.

- **District Level :**

Other Activities :

Problems Encountered and Resources required. :

- It is difficult to manage time for various activities under saptdhara program for students and faculty members as the CBCS semester system is implemented by Gujarat government and Gujarat University. The semester pattern has busy academic schedule

Note :

The best practice saptdhara performed in the college during last five years, impressed the students to work for society and to expose their latent ability & creativity. Institution is of the opinions that the stage fear of the students can be decreased and he/she can take any challenge in future. Thus students are empowered for all round growth. The value based saptdhara program enable students to enhance their moral values and improve their extension and extracurricular quantum to face the demands and challenges in the changing world. The students become more talented in addition to their academic growth.

7.3.2 Best Practice II - A

Title of the practice : Promotion of Research

GOAL :

- To enhance the research creative environment among the adiwasi SC, ST, OBC and minority students of tribal area. To look beyond the existing discipline and generate new knowledge through research activities.

The Context:

- The college promotes the creation of new knowledge in evidence-based research environment which is disseminated through publication and research to meet the emerging social and industrial needs. The major research area of the college is coordination chemistry, water analyses, soil analyses and biological studies.
- The numbers of projects funded by state, national and international bodies are increased considerably during last five years. The number of faculty with Ph.D. degree and the number of recognized research guides had increased during the period 2008-2014. There are 16 Ph.D. holders, 06 M.Phil and 7 Ph.D. guides, 01 M.Phil guide, moreover 08 professors are pursuing their Ph.D. degree during the last 3 years. The number of articles contributed by the college students and faculty member to national and international journals had also been increased considerably during last five year.

Stream	Department	M.Phil			Ph.d		
		Completed	Ongoing	Guide	Complete	Ongoing	Guide
Arts	Gujarati	-	-	1	1	1	1
	History	1	-	-	2	-	-
	Sanskrit	-	-	-	2	-	5
	Psychology	2	-	-	1	2	7
	English	1	-	-	-	1	-
	Economics	-	-	-	-	1	-
	Hindi	-	-	-	-	1	-
Science	Chemistry	-	-	-	6	1	6
	Physics	2	-	-	-	1	-
	Micro	-	-	-	3	-	3
	Biology	-	-	-	1	-	-
	Maths	-	-	-	-	-	-
Total	12	6	-	1	16	8	22

The Practice :

- The institution is located in semi urban area, where the students from around the villages come for study. Students vary far from around 45 km. distance come to our college. There are many students from Mehsana and Kadi districts, though there are many colleges nearby their towns, but they opt for our college due to quality education provided to them. Due to English special subject and Micro biology subject many of the students are attracted to our Institute. The management provides all the infrastructural and other facilities for the research activities carried out in the college for the research students and scholars.

Our Micro, Chemistry and Physics as well as Biology labs are fully equipped to meet with the requirements and expectations of the students.

Evidence of success :

- There are Seven faculty members who are university recognized Ph.D guides.
- Four research projects are going on.
- The permanent 16 faculty members of Sanskrit, Gujarati, History, Psychology Chemistry, Physics and Botany departments are holding Ph.D. degree. 08 faculty members of the various departments are pursuing Ph.D. degree.

Today research is very crucial in the development of science & Technology as well as humanities in our country. The best practice done in the research suggests that though the institution has limited research instrumental facility and limited funding resources, the activities cannot be stopped to achieve the milestone in research.

Problems Encountered Resources required.

In performing the research activities as the best activity, the following problems encountered.

- The college has very limited research infrastructural facilities
- The Gujarat University collects the fees from the research students, but does not sanction any funds to perform the research activities, such as to purchase chemicals, to perform various Spectral, thermal, magnetic, measurements and elemental analyses.
- Literature survey making use of chemical Abstracts.

Best Practice II – B

Title of the practice : Soil Health Card, A Social Responsibility program

Goal :

- To provide soil Health Card to farmers and to provide them guidance to use the same for undertaking scientific agriculture approach.
- To establish social responsibility among the staff, students and also to co-operate actively in Government's social welfare programmes.
- To provide “ Earn While you Learn ” program to SC/ST/OBC, physically handicapped and minority students.
- To transfer the research finding of our research scholars in to actual practice

The Context :

The Soil Testing Project was one of the projects of the then C.M, Hon. Narendra Modi, of Gujarat government. Most of the Science colleges were allotted this project. Therefore, the college desires to transfer the expert knowledge of the faculty on soil & water analyses into actual field. If the farmer comes to know the proportion of major soil nutrients and P^H of the soil then he can easily know which crop is suitable for his agriculture land and how much fertilizer his land will require. Such knowledge will lead the farmer for the large production of agro products. With a view to making the farmer aware of above mentioned fact, the Government authorities of Gujarat have stirred an ambitious project to provide a Soil Health Card to farmer of all over Gujarat. The institution took this opportunity offered by Gujarat Government, Gandhinagar to transfer the expert analyses knowledge of the faculty. This is a voluntary program. The soil health Card program also provides the platform for the institution's social Responsibility programmes (SRP)

- The task of providing a Soil Health Card was rather huge and tiring. Moreover, the State Government didn't have such a big infrastructure for agricultural research. In order to achieve this huge task of project in time, the State

Government authorities handed over this project to the science colleges of Gujarat, because sample tests in such an enormous quantity were not possible at incomplete laboratories for agricultural research in Gujarat, and therefore, it was decided to get this task done by teachers and students of various science colleges of Gujarat and all the colleges accepted this mandatory challenges. Later on the project was made voluntary. Accordingly for last three years, the task of soil test & analysis is smoothly and

successfully going on in Chemistry Department of our institution.

The Practice :

The Chemistry Department Dr. Mayank Mehta has Completed soil analysis program as a Coordinator carried out in our college as a part of Swarnim-Gujarat in 2010-2011. (Rs 9 Lakh) In which 12000 soil sample of Kalol Taluka region. The total estimate of the project was 9,78,000/- and all the faculties of the chemistry department and 32 students worked worked in this project. 12000 samples were tested, The students earned 1,00,000/- rupees. From the income of this project, the chemistry department purchased instruments worth of 3,00,000/- for the department. They also spent some 50,000/ Rs. for the light fitting repairing in the department.

- For the programme of providing Soil Health Card to each farmer, the authorities of the State Government employed Gram Sevaks and some local agencies to collect soil samples.
- The collected Soil samples were labelled and sent to our laboratory for testing.
- The authorities of the State Government had allotted the grant of Rs.80/- per sample. This grant remained helpful to our institution to purchase necessary equipments and chemicals. This task was performed with the help of the staff and students.
- The collected samples were labelled and their elements : Nitrogen, Phosphorus, Potassium etc., were analyzed. The P^H and conductance of the soil samples were also measured.
- Under the guidance of the Principal Dr. K.C. Deshmukh and the Co-ordinator Dr. M.R. Mehta, Dr. B.C. Chauhan, Dr. S.B. Thakor and Prof. T.J. Patel, teams of students were formed. Each team was allotted a particular duty. Through these teams, the soil samples were analyzed on the basis of scientific information.
- Thus, through accurate guidance, tiring labour of teams and teachers the following number of Soil Health Cards were prepared. Finance allotted to our institution and expenditure occurred during three years are as follow

Evidence of Success:-

We completed the analysis and testing of 12000 Soil samples entrusted to our institution by the State Government authorities for one year. Thus we successfully overcome the entrusted work and its philanthropic gain was enjoyed obviously by our institution, staff and students and by the society too.

Problems Encountered and Resources Required :

1. A challenging Task : the samples, sent from the Govt. authorized agency, were so enormous in number that their rapid analysis was a great challenge.
2. Hardships : While soil testing, we happened to use some hazardous and risky chemicals such as H_2SO_4
3. The students were untrained and didn't aware about such type of work.
4. We had to overcome this work without harming the routine teaching work. In such a consideration it was a challenge.

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



**Evaluative Report
of
The Departments**



Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



**Department
of
English**



Department of English

1. Name of the department : English

2. Year of Establishment: : 1963

3. Name of Programmes/ Courses offered U.G.

Name of Programme	Core course	Other core Course	Sub. Elective Course	Foundation Course
B.A. Sem-I	Introduction to Lit.101 Foundation studies in English-102	---	----	General English-Golden Leaves
B.A. Sem-II		-----	-----	
Sem-III	History of Eng.Lit-201 Forms of Lit.-202 Literary Criticism-203	-----	-----	Macmillan College Prose
Sem-IV	History of Eng.Lit.301 Forms of Novel302 Lit.criticism-303 Ind.Eng.Lit-304 Intro.to Eng.Lang.& Spoken English-305	-----	-----	Gems of Wisdom

4. Names of Interdisciplinary courses and the departments/Units involved

Nil

5. Annual/Semester/Choice based credit system (Programme wise)

B.A.Sem.I (2011-'12) *	B.A.Sem.II (2011-'12) *	B A.Sem.III (2012-'13) *	B.A.Sem.IV (2012-'13) *
CBCS	CBCS	CBCS	CBCS

* Indicates the starting year, the preceding year was according to annual pattern.

6. Participation of the department in the courses offered by other departments.-Nil

7. courses in collaboration with other universities, industries, foreign institutions, etc.

We screen the CDs provided by BISAG to our students. We screen lectures delivered by eminent Professors in DELL Lab.

8. Details of courses/Programmes discontinued (if any) with reasons : NA**9. Number of faculty posts**

Year	No of students Y-SY-TY	Required Ass.prof.as per Workload	Sanctioned by Govt.	Filled by Govt.	Vacancy
2009-10	167	00	00	00	00
2010-11	151	00	00	00	00
2011-12	158	00	00	00	00
2012-13	206	00	00	00	00
2013-14	226				

The department of biology is bifurcated in to separate Botany and Zoology department

10. Faculty profile with name, qualification, designation specialisation (D.Sc/D.Lift/PhD/M.Phil etc) (From academic year 2008-09 to 2012-13)

Name	Qualification	Designation	Specialisation	No. of years of Experience
Prof.M.A.Macwan	M.A.(Eng).	Head of Dept Asso.Prof.	Fiction-drama	26
Prof. H.L.Joshi	M.A. (Eng)	Asso.Prof.	Poetry-Drama- Fiction	28
Prof.R.M.Joseph	M.A. (Eng) M.Phil.(Eng.)	Asso.Prof.	Poetry- Drama- Linguistics	26
Prof.J.G.Kamaria	M.A. (Eng.)	Asso.Prof.	Fiction	30

11. List of Senior visiting faculty : NIL**12. Percentage of lectures delivered and practical classes handled (Programme wise)**

Nil

13. Student-Teacher ratio (Programme wise)

Year	Name of programme	No. of students (A)	No. of teacher (B)	Ratio (A/B)
2009-10	F.Y.B. S.Y.B. TYBA	167	4	41.7
2010-11	F.Y.B S.Y.B. TYBA	151	4	37.75
2011-12	B.A Sem-I B.A. Sem-II S.Y.B.A TYBA.	158	4	39.5
2012-13	B.A. Sem-I B.A. Sem-II B.A. Sem-III B.A. Sem-IV	206	4	51.5
2013-14	B.A. Sem-I B.A. Sem-II B.A. Sem-III B.A. Sem-IV	226	4	56.5

14. Number of academic support staff (Technical) and administration staff, sanctioned and filled

Nil

15. Qualification of teaching faculty with D.Sc/D.litt/Ph.D/M. Phil/PG

Name of teaching faculty	Designation	Qualification
Prof. R.M.Joseph	Asso. Prof.	M.A.M.Phil.
Prof.M.A.Macwan	Asso.Prof.	M.A. Ph.D. (running).

16. Number of faculty with ongoing projects from a) National B) International funding agencies and grants received :

Nil

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc and total grants received : NIL

18. Research centre/facility recognized by the university : NIL

19. Publications

a) publication per faculty : 01

One Book of Translation- Prof.M.A.Macwan contributed by translating two short stories from Gujarati into English. "Silver Glimpses From Shabdashrushti Selections from Modern Gujarati Prose" ISBN- 93-83317-18-3

20. Areas of consultancy and income generated : NIL

21. Faculty as members in

Nil.

22. Student projects

a) percentage of students who have done in house projects including interdepartmental/ programme : NIL

b) Percentage of students placed for projects in organizations outside the institutio i.e in research laboratories/Industry/ Industry/Other : NIL

23. Awards/Recognitions received by faculty and students [2008-2009 to 2012-2013]

- Prof H.L.Joshi rendered his services as Judge in many Youth Festival Events in the University as well as Inter Uni. Level.

24. List of eminent academicians and scientists/visitors to the department : NIL

25. Seminars/conferences/workshops organized & the source of funding

a) National-- Nil

b) International --Nil

26 How many students have cleared national and state competitive examinations such as NET, SLET, GATE, civil services, defence services, etc. : Data not collected : NIL

27 Student progression : NIL

28 Details of infrastructural facilities

a) **Library:** The English department Library has sufficient textbooks, reference books, for both UG students. Department has aboutbooks and journal in our departmental library. Moreover there is another departmental library in classroom for the students. The books were collected as donation from one of the senior citizen of Kalol, Mr.Bansidhar Soni. Our former Head of the department, Prof D.M Trivedi too donated books to the department.

b) Internet facilities for staff & students:

DELL lab provides Internet and computer facilities to all the students. There are 15 high speed connections in the lab and 26 computers which the staff as well as the students use at their free time.

Department has following specific instruments

Name of Instrument	No. of Pieces
Cupboard for library	01

29 Number of students receiving financial assistance from college, university, government or other agencies.

All SC/ST/OBC/Physically handicapped, Students receive scholarship from the Gujarat Government .

30 Details on student enrichment programme(Special lectures/workshops/seminar) with external experts

The BISAG is two way communication program and it arranges subjective expert lecturers. The BISAG display the subject wise time table. The college also display the same time table on notice board. The interested students can attend the expert's lecture. The students can also use the CD's of expert lectures provided by BISAG.

31 Teaching methods adopted to improve student learning

- Study through educational tours, Excursion & field trips
- Power point presentation
- Use of Interactive smart board
- Downloaded topics using ICT
- Students seminar, quiz competition, monthly test, group discussion etc.
- Direct Teaching (Chalk and duster)

32 Participation in Institutional social responsibility (ISR) and extension activities

Strength:

- One faculty member is holding M.Phil degree and another is pursuing his Ph.D. research work.

There is a movie club of the department which screen movies related to texts in the syllabus. "Teach English Rural Area" project has so far covered 42 schools of Kalol Town, and 64 villager of Gandhinagar and Mehsana district. There are some 400 students who have actively participated in the project and got certificate from the schools. The department also runs a project- "Teach English in Rural Areas", under this project we cover all the students coming from far villages too. Each student goes to his nearby village government school and teaches Basic English for 20 hours to these schoolboys. There are around 250 students in our department who teach 20 hrs in each term. Thus the rural area surrounding the college is covered in English language teaching. Each student gets a certificate from the school for teaching. The students submit the certificate as well as a photo of his teaching in the school. Thus the students also get exposure of real teaching experience.

- ❖ Prof. Macwan was appointed as an Expert on an interview panel in GTU, KIRC college, Kalol. in 2013, and 2013.
- ❖ -- Prof. Macwan extended his talent as to how to appear in online scope Cambridge exam in Nadiad Mahila College, Nadiad in March, 2013.
- ❖ - Prof. Macwan extended his help to Higher secondary students of Xavier's School Kalol, as to how to develop the skill of speaking English in December, 2013.
- ❖ - Prof. Macwan delivered a Lecture on a drama- "NagaMandala" by Girish Karnad .in Shah C.K.Muni.Commerce college, Kalol. On 26th Aug, 2008 and 2009.
- ❖ 4. Prof. Macwan prepared Question Bank- University Question paper set- Exam material.
- ❖ The department prepares exam oriented material for the Special English students as well as the General English students.
- ❖ 5 Study material is prepared and given to the students so that they can prepare themselves for the University exam well.
- ❖ 6 Best activities –
- ❖ Project "Teach English Rural Area"
- ❖ DELL. Language lab is run by the department.

OPPORTUNITIES

Completing a B.A. with English Degree course is an honour. Many students opt for M.A. or B.Ed. As there are so many schools in the area, they get jobs as teachers. They also get jobs in industrial units. Many of them clear UPSC & GPSC exams and get government jobs.

CHALLENGES TO THE DEPARTMENT

Most of the students come from rural background and vernacular mediums, so the biggest challenge of our department is to teach them English language and literature. Students from as far as 50km come to our college, it is a big credit to the department.

WEAKNESSES

UNABLE TO START AN ADD ON COURSE IN DEPARTMENT.

DUE TO LACK OF FUNDS AND INFRASTRUCTURAL LIMITATIONS IT IS DIFFICULT TO ORGANISE WORKSHOPS AND SEMINARS FOR STUDENTS AND TEACHERS.

BEST PRACTICES OF THE DEPARTMENT

- ❖ SCOPE CENTRE
- ❖ TEACH ENGLISH RURAL AREA
- ❖ OPEN DAY HELD AFTER EACH EXAM
- ❖ DEPARTMENTAL LIBRARY
- ❖ PROVIDING EXAM MATERIAL
- ❖ MOVIE CLUB
- ❖ GUIDANCE TO P.G. STUDENTS
- ❖ VISIT TO BOOK FAIR

. Future plan - English Department

1. Carrying out the project (Teach English Rural Area) on a wider range (FYBA, SYBA, TYBA) 40 hrs (20+20 per Term) teaching English in rural primary schools by our students.
2. Start remedial programmes for weak students.
3. Arranging Students' Seminar at University level.
4. Arrangement of Guests Lecture on Textual matters.
5. Making the movie club more effective.

6. Making the **P. G. Cell** more effective.
7. **DELL Spoken English Classes** for all students of the college.
8. Arrange awareness programmes on democracy, equality, civic sense, morality and patriotism.
9. A visit to a **BOOK FAIR** , making the students realize the advantages of reading Books.
10. To hold a State Level Seminar in English .

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



**Department
of
Hindi**



Department of ...Hindi.....

1. Name of the department : Hindi
2. Year of Establishment: : 1963

3. Name of Programmes/ Courses offered U.G.

Name of Programme	Core course	Other core Course	Sub. Elective Course	Foundation Course
B.A. Sem-I	--	--	101 samkalin Hindi kavita 102 aadhunik hindi kahani	--
B.A. Sem-II	---	--	111 chayawadoter hindi kavita 112 hindi aupanyas	--
Sem-III	--	--	201 aadhunik hindi kavita 202 hindi natak aur akanki	--
Sem-IV	--	----	211 hindi khand kavya 212 nibhand aur anaya gadh vidhya	--

4. Names of Interdisciplinary courses and the departments/Units involved

Nil

5. Annual/Semester/Choice based credit system (Programme wise)

B.A.Sem.I (2011-'12) *	B.A.Sem.II (2011-'12) *	B A.Sem.III (2012-'13) *	B.A.Sem.IV (2012-'13) *
CBCS	CBCS	CBCS	CBCS

* Indicates the starting year, the preceding year was according to annual pattern.

6. Participation of the department in the courses offered by other departments.

The faculty members ofdepartment participate in the course offered by other department, but we discussed the topics if required with department.

7. courses in collaboration with other universities, industries, foreign institutions, etc.

8. Details of courses/Programmes discontinued (if any) with reasons : NA

9. Number of faculty posts

Year	No of students	Required Ass.prof.as per workload	Sanctioned by Govt.	Filled by Govt.	Vacancy
2009-10	50	01	01	00	00
2010-11	50	01	01	00	00
2011-12	50	01	01	00	00
2012-13	50	01	01	00	00

10. Faculty profile with name, qualification, designation specialisation (D.Sc/D.Lift/PhD/M.Phil etc) (From academic year 2008-09 to 2012-13)

Name	Qualification	Designation	Specialisation	No. of years of Experience
Francis B. Vasava	M.A:Bed	Asso. Prof	Research Phd on	18

11. List of Senior visiting faculty : NIL**12. Percentage of lectures delivered and practical classes handled (Programme wise) :Nil**

13. Student-Teacher ratio (Programme wise)

Year	Name of programme	No. of students (A)	No. of teacher (B)	Ratio (A/B)
2009-10 S.Y.B. TYBA	F.Y.B. S.Y.B. TYBA	193	01	193
2010-11	F.Y.B S.Y.B. TYBA	177	01	177
2011-12	B.A Sem-I B.A. Sem-II S.Y.B.A TYBA.	147	01	147
2012-13	B.A. Sem-I B.A. Sem-II B.A. Sem-III	197	01	197
2013-14	B.A. Sem-I B.A. Sem-II B.A. Sem-III B.A. Sem-IV	124	01	124

14. Number of academic support staff (Technical) and administration staff, sanctioned and filled

NIL

15. Qualification of teaching faculty with D.Sc/D.litt/Ph.D/M. Phil/PG

Name of teaching faculty	Designation	Qualification
Prof. F.B.Vasava	Associate Prof.	M.A

16. Number of faculty with ongoing projects from a) National B) International funding agencies and grants received : Nil**17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc and total grants received : NIL**

18. Research centre/facility recognized by the university : NIL

19. Publications

a) publication per faculty : 00

* Number of papers published in peer reviewed journal (National/International) by faculty and students:-00

* Number of publications listed in international database (For eg. web of science scopes, Humanities international complete, Dare Database- International social sciences directory, CBSCO host etc. :- 00

* Monographs Nil

* Chapter in Books Nil

* Books Edited Nil

* Books with ISBN/ISSN numbers with details of publishers:
Premchand ki Dalit Vimarsh, Naari Vimaarsh ki KAHani,-“Thakur ka Kua” Feb.2014, ISSN no. 23195959.
Sanjiv ka Upanyas- “Akaash Champa ka Kathya” ISSN 23481692.

20. Areas of consultancy and income generated : NIL

21. Faculty as members in

a) National committees b) International committees c) Editorial Boards

22. Student projects

a) percentage of students who have done in house projects including interdepartmental/ programme : NIL

b) Percentage of students placed for projects in organizations outside the institutio i.e in research laboratories/Industry/ Industry/Other : NIL

23. Awards/Recognitions received by faculty and students [2008-2009 to 2012-2013]

24. List of eminent academicians and scientists/visitors to the department : NIL

25. Seminars/conferences/workshops organized & the source of funding

a) National - Nil

b) International - Nil

26 How many students have cleared national and state competitive examinations such as NET, SLET, GATE, civil services, defence services, etc. : Data not collected : NIL

27 Student progression : NIL

28 Details of infrastructural facilities

a) Library: Thedepartment has sufficient textbooks, reference books, for both UG & PG students. Department has aboutbooks and journal in our departmental library

b) Internet facilities for staff & students:

.DELL lab provides Internet and computer facilities to all the students.

29 Number of students receiving financial assistance from college, university, government or other agencies.

All SC/ST/OBC/Physically handicapped, Students receive scholarship from the Gujarat Government .

30. Details on student enrichment programme(Special lectures/workshops/seminar) with external experts

The BISAG is two way communication program and it arranges subjective expert lecturers. The BISAG display the subject wise time table. The college also display the same time table on notice board. The interested students can attend the expert's lecture. The students can also use the CD's of expert lectures provided by BISAG.

31. Teaching methods adopted to improve student learning

Demonstration lectures using models, charts etc.

Training of Herbarium preparation technique

Study through educational tours, Excursion & field trips

Power point presentation

Use of Interactive smart board

Downloaded topics using ICT

Students seminar, quiz competition, monthly test, group discussion etc.

Direct Teaching (Chalk and duster)

32. Participation in Institutional social responsibility (ISR) and extension activities

Strength:

- 02. research papers were published

Weakness :

- The institution is in semi-urban area hence students cannot be exposed to other reputed institution and department

Opportunities :

Encouraging the students for strengthening the national language

Challenges:

- To achieve 100% result and encourage the students to join in research work
- To recruit new faculty members

Future Plans :

- To increase the research activities.
- To work hard for better result
 - CLASS TEST
 - ASSIGNMENT
 - TEACHERS' DAY CELEBRATION
 - AUTHOR BIRTHDAY CELEBRATION
 - ' SANT KABIR ' KE DUHO KA PATHAN
 - GAZAL PATHAN
 - POETRY READING
 - ESSAY WRITING
 - QUIZ COMPETITION
 - BUDDHA'S FILM FARE

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



Department
of
Sanskrit



Department of Sanskrit

1. Name of the department : Sanskrit

2. Year of Establishment: : 1965

3. Name of Programmes/ Courses offered U.G.

Name of Programme	Core course	Other core Course	Sub. Elective Course	Foundation Course
B.A. Sem-I	Core p .101 core p. 102	Ele .(1) 101 -- Ele .(1)102	Ele (2) 101 ----	Sanskrit comp.
B.A. Sem-II	Core 111 Core 112	Ele (1) 111 Ele (1) 112	Ele (2) 111 -----	Sanskrit comp.
Sem-III	Core p. 201 Core p 202 Core p 203	Ele 201 Ele 202	-	-
Sem-IV	Core 211 to 213	----- Ele 211 & 212	-----	

4. Names of Interdisciplinary courses and the departments/Units involved

Nil

5. Annual/Semester/Choice based credit system (Programme wise)

B.A.Sem.I (2011-'12) *	B.A.Sem.II (2011-'12) *	B A.Sem.III (2012-'13) *	B.A.Sem.IV (2012-'13) *
CBCS	CBCS	CBCS	CBCS

* Indicates the starting year, the preceding year was according to annual pattern.

6. Participation of the department in the courses offered by other departments.-Nil

7. courses in collaboration with other universities, industries, foreign institutions, etc.

One faculty member delivers lectures on some special topics on BISAG[Bhaskaracharya

Institute for Space and Geoinformatics], Gandhinagar. The BISAG is two way communication system implemented to all the colleges of Gujarat State. We screen the CDs provided by BISAG to our students. We screen lectures delivered by eminent Professors in DELL Lab.

08. Details of courses/Programmes discontinued (if any) with reasons : NA

09 Number of faculty posts

Year	No of students Y-SY-TY	Required Ass.prof.as per Workload	Sanctioned by Govt.	Filled by Govt.	Vacancy
2009-10	151	00	00	00	00
2010-11	158	00	00	00	00
2011-12	214	00	00	00	00
2012-13	201	00	00	00	00
2013-14	235	00	00	00	00

10. Faculty profile with name, qualification, designation specialisation (D.Sc/D.Lift/PhD/M.Phil etc) (From academic year 2008-09 to 2012-13)

Name	Qualification	Designation	Specialisation	No. of years of Experience
Smt .K.D patel	M.A.B.ed(Sans .).	Head of Dept Asso.Prof.	Vedant	24
Dr H.K. solanki	M.A. (Ph.d) (sans.)	Asso.Prof.	Puran	21
Prof.R.M.Patel	M.A.(Sans.)	Assò.Prof	Vedant	
Dr D.A.thakar	M.A. (ph.d)	Asso.Prof.	vedant	28

11.List of Senior visiting faculty : NIL

12 Percentage of lectures delivered and practical classes handled (Programme wise)

13. Student-Teacher ratio (Programme wise)

Year	Name of programme	No. of students (A)	No. of teacher (B)	Ratio (A/B)
2009-10 S.Y.B. TYBA	F.Y.B. S.Y.B. TYBA	147	04	36.75
2010-11	F.Y.B S.Y.B. TYBA	174	04	43.5
2011-12	B.A Sem-I B.A. Sem-II S.Y.B.A TYBA.	188	04	47
2012-13	B.A. Sem-I B.A. Sem-II B.A. Sem-III	197	04	49.25
2013-14	B.A. Sem-I B.A. Sem-II B.A. Sem-III B.A. Sem-IV	223	04	55.75

14. Number of academic support staff (Technical) and administration staff, sanctioned and filled
Nil**15. Qualification of teaching faculty with D.Sc/D.litt/Ph.D/M. Phil/PG**

Name of teaching faculty	Designation	Qualification
Smt. K.D. patel	Asso. Prof.	M.A.B.ed
Dr H.K.solanki	Asso.Prof.	M.A. Ph.D.
Mr.R.M.patel	Asso.Prof	M.A.
Dr.D.A.Thakar	Asso.Prof	M.A. Ph.d

16. Number of faculty with ongoing projects from a) National B) International funding agencies and grants received : Nil

17 Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc and total grants received : NIL

18 Research centre/facility recognized by the university : NIL

19 Publications

a. publication per faculty : 01

One Book of Translation- Smt K.D.patel jaggu bakul bhushan virchita – natyatrayi ISBN – 978-81-924517-25-dec 2012 (25/12/2012)
-writer of Madhym ‘Vyayogo-Bhasa’ 2014-15
-Dotcom publications , Ahmedabad
ISBN -978-93-85056-05-5

No.	Authors Name	Title of Paper	Name of the journal	Volume	Page No.	Year
1	Smt. K.D.Patel	Abhiraj rejendra rechit-Abhinav Panchtrantra : Ek samiksha	An ISSN international no-1 journal 0973 research – link - 119 1628	12	26-27	Feb. 2014
2	Smt. K.D.Patel	Mahatma Gandhi ji ke Upar Sanskrit ka parabhav	The ISSN International no-journal of 2319 social science- of linvisticks-2755	07	216-217	March-2014
3	Smt K.D.Patel	Vidur’s Views on sabha parva	Research Journal of Sanskrit tatva shodh ISSN No. 2249-4901	09	15-19	Jan-June-2014
4	Smt.K.D.Patel	Humoor in Baliviay-Bakul Bhushan	International Recognition multidisciplinary Research Journal ISSN no 2249-894X	03	1-3	July 2014
5	Smt.K.D.Patel	Bakul bhushan virchit balivijay me hasyaras	International Journal of social science of linguistics ISSN no 2319-2755	09	112-115	Oct 2014
6	Shri R.M.Patel	Karna – Kunti Putra	ISSN No. 2230-7850	-	-	2014
7	Shri R.M.Patel	Mamtra putra ka dayadhikar Laxmi book publish	2230-7850	-	-	2014

20 Areas of consultancy and income generated : NIL

21 Faculty as members in

Nil.

22 Student projects

i. percentage of students who have done in house projects including interdepartmental/ programme : NIL

b. Percentage of students placed for projects in organizations outside the institutio i.e in research laboratories/Industry/ Industry/Other : NIL

23 Awards/Recognitions received by faculty and students [2008-2009 to 2012-2013]

24 List of eminent academicians and scientists/visitors to the department : NIL

25 Seminars/conferences/workshops organized & the source of funding

a. National-- Nil

b. International --Nil

26 How many students have cleared national and state competitive examinations such as NET, SLET, GATE, civil services, defence services, etc. : Data not collected : 02

Prof. Hetalben Mowadiya, Tharad College, GSLET 2013

Bhavna Mowadiya, GSLET 2014

27 Student progression : NIL

28 Details of infrastructural facilities

a) Library:

b) Internet facilities for staff & students:

29 Number of students receiving financial assistance from college, university, government or other agencies.

All SC/ST/OBC/Physically handicapped, Students receive scholarship from the Gujarat Government .

30 Details on student enrichment programme(Special lectures/workshops/seminar) with external experts

The BISAG is two way communication program and it arranges subjective expert lecturers. The

BISAG display the subject wise time table. The college also display the same time table on notice board. The interested students can attend the expert's lecture. The students can also use the CD's of expert lectures provided by BISAG.

31 Teaching methods adopted to improve student learning

- Demonstration lectures using models, charts etc
- Training of Herbarium preparation technique
- Study through educational tours, Excursion & field trips
- Power point presentation
- Use of Interactive smart board
- Downloaded topics using ICT
- Students seminar, quiz competition, monthly test, group discussion etc. Screen BISAP cidies in lab (20/11/2009 & 04/12/2009)
- Direct Teaching (Chalk and duster)

Challenges:

- To achieve 100% result and encourage the students to join in research work
- To recruit new faculty members

There is no challenge to the department yet. Students from as far as 50km. Far come to our college, it is a big credit to the department.

Future Plans :

- Shivmahimn strotra na shloko nu parayam

❖ Chhandgan

❖ Sanskrit gaurav exam

❖ Teach Sanskrit in Rural I area project

❖ Educational tour & Sanskrit quiz

32. Details on student enrichment programme(Special lectures/workshops/seminar) with external experts

33. Teaching methods adopted to improve student learning

- Demonstration lectures using models, charts, periodic table, energy level diagram, orbital diagram etc.
- Power point presentation
- Use of OHP
- Downloaded topics using ICT
- Students seminar, quiz competition, monthly test, group discussion etc.
- Direct Teaching (Chalk & Talk)

34. Participation in Institutional social responsibility (ISR) and extension activities

The N.S.S officer of the institution is involved in all social, extension and consultancy activities organized under N.S.S programme. These activities are awareness programme adopted in villages, for superstitious, alcoholism, suicide, child nutrition, illiteracy etc. The Red Ribbon Club organized blood donation camp every year. About 27 volunteers donated the blood to Red Cross society of urban bank Hospital.

N.S.S. Activity year : 2010

11.7.2010: Rog Nidan Camp at Chhatral Village arranged by N.S.S. Unit

27.8.2010: Blood Donation Camp at College Campus, N.S.S. Unit

donated 52 bottles blood to Indian Red Cross Society, Kalol Civil Hospital

18.9.2010: Tree Plantation by Tarunabhivadan Program, 13 colleges of Guj.Uni N.S.S. Unit

5.10.2010: Leadership Camp at Pethapur Old Age Home-Mavtardham

3.10..2010: Vanche Gujarat Program by Kalol College N.S.S. Unit

13.12.2010 to 19.12.2010 : N.S.S. Annual Camp at Dingucha Village

Camp Activities:

- 8) No Addiction Rally & Free Medical Checkup
- 9) Gruhodhyog awareness program by Khadi Gramodhyog KVIC

Ahmedabad

- 10) My Village Clean Village Awareness Program
- 11) Eye Checkup, Motiya Nidan & Specs donation by Lions Club of Kalol City
- 12) Magic Show to decrease faketales
- 13) Cultural Program like Ras Garba, Save Water, Girl Child & Environment etc
- 14) Lok Dayro- Ma-Bap ne Bhulso Nahi...

N.S.S. Activity Year: 2011

7.1.2011: Gruhodhyog awareness program by Khadi Gramodhyog KVIC Ahmedabad at Vamaj by N.S.S. Unit

8.1.2011: Old Age Home Visit at Mavtardham Kalol by N.S.S. Unit

27.7.2011: Blood Donation & Thelasemia Nidan Camp by Indian Red Cross Society, Kalol 57 bottles blood donated by N.S.S. Unit

12.9.2011: My College Clean College Program by N.S.S. Unit

16.12.2011: Competitive Exam Guidance by Career Corner- Navy Recruitment

22.12.2011 to 24.12.2011:

30 Students of N.S.S. Unit had taken part in Environment Camp G'nagar

31.12.2011: Class Decoration Program by N.S.S. Unit

2013

5/9/13- Megha Blood Donation camp- donated more than 250 bottles of blood.

5/9/13- Clebration of Teachers' Day-G.K.Test competition

11/3/13- A visit to Oldage Home.

31/8/13- 8 NSS students visited Mansa college for tree plantation.

21/1/13- Youth Awareness programme in villages held.in Rupal.

Navraatri Garba programme held.

16/9/13-Mehndi, Rangoli, competition held.

2014

6-8-14		Tree plantation	Prof.Macwan	Giants group,NSS,CWDC
3	8-8-14.	Women empowerment – Personality program.	Dr.H.K.Solanki	Dr.N.K.Patel
4	9/8/14	Rakshabandhan	Dr.H.K.Solanki	DYSP, G'nagar.CWDC
5	13/8/14	Patriotic song competition	Dr. H.K.Solanki	NSS/CWDC/NCC
6	15/8/14	Independence day Celebration,Singing Patriotic songs, Patriotic speech, Adoption of saplings by Eco club students,Tree plantation by NCC,NSS	Dr.K.C.Deshmukh	NCC,Prof.C.K.Mevada, Dr.H.K.Solanki, Prof.M.A.Macwan
7	23/8/14	Personality Deve. Speaking skills.	Dr.K.C.Deshmukh	Bansidhar speak Eng. Prof.Macwan
8	1/9/14	Cleanliness Drive	Dr.D.P.Patel	CWDC
8	4/9/14	G.K. WRITTEN TEST	Prof.M.A.Macwan, Prof.B.N.Patel	CWDC
9	5/9/14	Teachers' Day Celebration	Dr.H.K.Solanki	College.

35. SWOC analysis of the department and future

plans. Strength:

- 12 faculty members are holding Ph.D degree. 09 are pursuing Ph.D. degree. 5 are M.Phil degree holders.
- 06 Faculty members are Ph.D Guide

- 10 Research students are pursuing research work for Ph.D. degree
- The laboratories are fully equipped with chemicals, glassware and instruments
- The department has established a research laboratory also
- Computer facility with internet for Staff
- Involvement of students in research activity through project work.

Weakness :

- Non availability of skilled laboratory staff .
- Vacant post of teaching faculty
- Lack of classroom with ICT facility
- Unable to start add on course in the department

Opportunities :

- To give more computer based papers to students
- Our course curriculum satisfies market demands, therefore curriculum of such Courses are based on science and technology.
- Team work developing inter personal skills.
- Training to manage difficult situations
- To train the students for Pharmaceutical Industries by providing COC programme

Challenges:

- To achieve 100% results and encourage the students to join in research work.
- Organizing short term training programme

Future Plans :

- Planning to procure ICT facility in the Class Room
- To install the chemistry soft ware such as chemdraw and chemsketch for the students and staff
- Expansion of the research laboratory.

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



Department
of
History



Department of ...HISTORY

1. Name of the department History

2. Year of Establishment:

3. Name of Programmes/ Courses offered U.G.

Name of Programme	Core course	Other core Course	Sub. Elective Course	Foundation Course
B.A. Sem-I	History core 101	--	History ele (1) 101 History ele (1) 102 History ele (2) 101	--
B.A. Sem-II	History core 102	----	--	--
Sem-III	History core 201 History core 202 History core 203	--	History ele (1) 204 History ele (1) 205	--
Sem-V	History core 301 To 305	--	----	--

4. Names of Interdisciplinary courses and the departments/Units involved

Nil

5. Annual/Semester/Choice based credit system (Programme wise)

B.A.Sem.I (2011-'12) *	B.A.Sem.II (2011-'12) *	B A.Sem.III (2012-'13) *	B.A.Sem.IV (2012-'13) *
CBCS	CBCS	CBCS	CBCS

* Indicates the starting year, the preceding year was according to annual pattern.

6. Participation of the department in the courses offered by other departments.

NIL

7. courses in collaboration with other universities, industries, foreign institutions, etc.

One faculty member delivered two lectures on some special topics on BISAG[Bhaskaracharya

Institute for Space and Geoinformatics], Gandhinagar. The BISAG is two way communication system implemented to all the colleges of Gujarat State.

08 Details of courses/Programmes discontinued (if any) with reasons : NA

09 Number of faculty posts

Year	No of students	Required Ass.prof.as per Workload	Sanctioned by Govt.	Filled by Govt.	Vacancy
2009-10	392	00	03	03	00
2010-11	317	00	03	03	00
2011-12	315	00	03	03	00
2012-13	321	00	03	03	00

10. Faculty profile with name, qualification, designation specialisation (D.Sc/D.Lift/PhD/M.Phil etc) (From academic year 2008-09 to 2012-13)

Name	Qualification	Designation	Specialisation	No. of years of Experience
P .H. solanki	M.A. B.ed	Head	--	24
B.N.Patel	M.A.Ph.D	Asso. Prof	--	21
Dr. D.P.Patel	M.A., PhD, M.phill	Assi.Prof	--	17

13. List of Senior visiting faculty : Dr.Jagdishbhai chaudhary Pri. S.V.arts college , ahmedabad , devivered scholarly lecture on mahipatram and social reformation.

14. Percentage of lectures delivered and practical classes handled (Programme wise)

NII

13. Student-Teacher ratio (Programme wise)

Year	Name of programme	No. of students (A)	No. of teacher (B)	Ratio (A/B)
2009-10	F.Y.B. S.Y.B. TYBA	392	03	130.6
2010-11	F.Y.B S.Y.B. TYBA	317	03	105
2011-12	B.A Sem-I B.A. Sem-II S.Y.B.A TYBA.	315	03	105
2012-13	B.A. Sem-I B.A. Sem-II B.A. Sem-III B.A. Sem-IV	321	03	107

14. Number of academic support staff (Technical) and administration staff, sanctioned and filled

NIL

15. Qualification of teaching faculty with D.Sc/D.litt/Ph.D/M. Phil/PG : P.H.Solani (P.G. Teacher), Dr. B.N.Patel, Dr. D.P.Patel**16. Number of faculty with ongoing projects from a) National B) International funding agencies and grants received :** Nil**17 Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc and total grants received :** NIL**18. Research centre/facility recognized by the university :** NIL**19. Publications**

a. publication per faculty : Number of papers published in peer reviewed journal (National/International) by faculty and students:-03

* Number of publications listed in international database (For eg. web of science scopes, Humanities international complete, Dare Database- International social sciences directory, CBSCO host etc. :-
00

* Monographs Nil

* Chapter in Books Nil

* Books Edited Nil

* Books with ISBN/ISSN numbers with details of publishers:

Dr. Daxaben Patel History of Gujarat ISBN979-82-320-2530-0

2013-14

20. Areas of consultancy and income generated : NIL

21. Faculty as members in

1. National committees b) International committees c) Editorial Boards

22. Student projects

i. percentage of students who have done in house projects including interdepartmental/ programme : NIL

b. Percentage of students placed for projects in organizations outside the institution i.e in research laboratories/Industry/ Industry/Other : NIL

23. Awards/Recognitions received by faculty and students [2008-2009 to 2012-2013]

24. List of eminent academicians and scientists/visitors to the department : Dr.K.C .barot visits the college every year felicitate honour the best student of the department

25. Seminars/conferences/workshops organized & the source of funding : Nil

26. Student profile programme/course wise

26. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, civil services, defence services, etc. : Data not collected : NIL

27. Student progression : NIL

28. Details of infrastructural facilities

a) Library: Student use central library

b) Internet facilities for staff & students:

DELL lab provides 15 Internet and 25 computer facilities to all the students.

29. Number of students receiving financial assistance from college, university, government or other agencies.

All SC/ST/OBC/Physically handicapped, Students receive scholarship from the Gujarat Government .

30. Details on student enrichment programme(Special lectures/workshops/seminar) with external experts

The BISAG is two way communication program and it arranges subjective expert lecturers. The BISAG display the subject wise time table. The college also display the same time table on notice board. The interested students can attend the expert's lecture. The students can also use the CD's of expert lectures provided by BISAG.

31. Teaching methods adopted to improve student learning

- Demonstration lectures using models, charts etc.
- Study through educational tours, Excursion & field trips
- Power point presentation
- Use of Interactive smart board
- Downloaded topics using ICT
- Students seminar, quiz competition, monthly test, group discussion etc.
- Direct Teaching (Chalk and duster)

32. Participation in Institutional social responsibility (ISR) and extension activities

: NIL

Strength:

- 03 faculty member 012 holding Ph.D. degree. Qualified faculty with long experience of teaching

The department honour best student in T.Y.B.A history uni. Exam every year Dr.K.C Barot former student in this college felicitates best student by 1000 cash & a troffy

Weakness :

- Non availability of laboratory staff
- Unable to start add on course in department
- The institution is in semi-urban area hence students cannot be exposed to other reputed institution and department

Opportunities :

Challenges:

- To achieve 100% result and encourage the students to join in research work
- To recruit new faculty members

FUTURE PLAN 2014-15

- 1) Study tour to various historical places
- 2) Organize expert faculty lectures .
- 3) Show historical films
- 4) To arrange valedictory function for final year student's
- 5) Student's were taken to Gujarat archives in Gujarat.
- 6) Visit to Indus valley site in Gujarat.
- 7) Visit to Indology Museum.
- 8) Visit to Archaeology Museum in Gandhinagar.
- 9) Organise expert lectures on democracy.
- 10) Introduce G.K.classes for history students.

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



**Department
of
Economics**



Department of Economics

- 1 Name of the department : Economics
- 2 Year of Establishment : 1965
- 3 Name of Programmes/Courses offered U.G.

Name of Programme	Core course	Other Core course	Sub. Elective Course	Foundation course
B.A Sem-I	Economics	-	-	-
B.A Sem-II	Economics	-	-	-
B.A Sem-III	Economics	-	-	-
B.A Sem-IV	Economics	-	-	-
B.A Sem-V	Economics	-	-	-
B.A Sem-VI	Economics	-	-	-

4. Names of Interdisciplinary courses and the departments/Units involved-NIL

5. Annual/Semester/Choice based credit system (Programme wise)

B.A.Sem.I (2011-'12) *	B.A.Sem.II (2011-'12) *	B A.Sem.III (2012-'13) *	B.A.Sem.IV (2012-'13) *
CBCS	CBCS	CBCS	CBCS

* Indicates the starting year, the preceding year was according to annual pattern.

6. Participation of the department in the courses offered by other departments.-Nil

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

08 Details of courses/Programmes discontinued (if any) with reasons : NA

Number of faculty posts

Year	No.of Student	Required Ass.pro. as per Worked	Sanctioned by Gov	Filled by Govt	Vacancy
2009-10	291	2.5	02	02	0.5
2010-11	270	2.5	02	02	0.5
2011-12	303	2.5	02	02	0.5
2012-13	319	2.5	02	02	0.5
2013-14	307	2.5	02	02	0.5

10. Faculty profile with name, qualification, designation specialisation (D.Sc/D.Lift/PhD/M.Phil etc) (From academic year 2008-09 to 2012-13)

Name	Qualification	Designation	Specialisation	No. of years of Experience
Prof. C.K.Mevada	M.A.	Asso.Prof	Economics	29
Prof.R.C.Patel	M.A.	Asso.Prof.	Economics	18

11. List of Senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (Programme wise) :

Prof. C.K.Mevada performing duty of visiting faculty in M.Com at Shah C.K.Muni.Commerce Collage, Kalol

13. Student-Teacher ratio (Programme wise)

Year	Name of programme	No. of students (A)	No. of teacher (B)	Ratio (A/B)
2009-10 S.Y.B. TYBA	F.Y.BA S.Y.BA T.Y.BA	291	02	145
2010-11	F.Y.B S.Y.B. TYBA	270	02	135
2011-12	B.A Sem-I B.A. Sem-II S.Y.B.A TYBA.	303	02	151
2012-13	B.A. Sem-I B.A. Sem-II B.A. Sem-III B.A. Sem-IV	319	02	160
2013-14	B.A. Sem-I B.A. Sem-II B.A. Sem-III B.A. Sem-IV B.A. Sem-V B.A. Sem-VI	307	02	153

14. Number of academic support staff (Technical) and administration staff, sanctioned and filled

NIL

15. Qualification of teaching faculty with D.Sc/D.litt/Ph.D/M. Phil/PG

Name of teaching faculty	Designation	Qualification
Prof.C.K.Mevada	Asso. Prof.	M.A.
Prof. R.C.Patel	Asso.Prof.	M.A. Ph.D. conti.

16 Number of faculty with ongoing projects from a) National B) International funding agencies and grants received: Nil

17 Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc and total grants received : NIL

18 Research centre/facility recognized by the university : NIL

19 Publications

a. publication per faculty : 00

20 Areas of consultancy and income generated : NIL

21 Faculty as members in

1. National committees b) International committees c) Editorial Boards -nil

22 Student projects

A. Percentage of students who have done in house projects including interdepartmental/ programme: NIL

B. Percentage of students place for projects in organizations outside the institution i.e In research laboratories/Industry/Other: NIL

i. kjhj

23 Awards/Recognitions received by faculty and students [2008-2009 to 2012-2013]

- Subject experts in various committees.
- Interview committee member of SCBC hostel students

24 List of eminent academicians and scientists/visitors to the department : NIL

25 Seminars/conferences/workshops organized & the source of funding

Following seminars attended by staff:

1. Changes and Challenges in resources of water and air- 26th Jan. 2011
2. Industrial reforms and its impact on Gujarat-23 to 24 Jan. 2010
3. Role of NAAC to promote the excellence in higher education
4. Value Education in Higher Education-27 Feb. 2011
5. Global warming Agriculture and sustainable Development and public leadership- 11 to 13 March 2010

Following seminars attained by students:

1. One day state level workshop on 'Effect of Foreign Money Investment on consumer Businessman in India'-6th Jan. 2012
2. Industrial tour to Arvind Mill Cloths- 18 Jan.2011
3. Visit of Sardar Sarovar, Kevadiya Colony, Bharuch
4. One day seminar-Todays world and environmental pollution-31st Jan.2010
5. IFFCO visit-18th Nov.2009
6. Institute arranged guest lecture on Globalization-R.B.Shah-21st Nov. 2009

26 Diversity of students : Nil

27 How many students have cleared national and state competitive examinations such as NET, SLET, GATE, civil services, defence services, etc. : Data not collected : NIL

28 Student progression :

Vaghela Jignasha R.- M.A(Gold Medalist), M.Phil- Gujarat Uni First
Gohil Vipul-M.A(Primary School Teacher)

29 Details of infrastructural facilities

a) Library:

b) Internet facilities for staff & students:

.DELL lab provides Internet and computer facilities to all the students.

30 Number of students receiving financial assistance from college, university, government or other agencies.

All SC/ST/OBC/Physically handicapped, Students receive scholarship from the Gujarat Government.

31 Details on student enrichment programme(Special lectures/workshops/seminar) with external experts

The BISAG is two way communication program and it arranges subjective expert lecturers.

The BISAG display the subject wise time table. The college also display the same time table on notice board. The interested students can attend the expert's lecture. The students can also use the CD's of expert lectures provided by BISAG.

32 Teaching methods adopted to improve student learning

- Demonstration lectures using models, charts etc.
- Study through educational tours, Excursion & field trips
- Power point presentation
- Student's seminar, quiz competition, monthly test, group discussion etc.
- Direct Teaching (Chalk and duster)

33 Participation in Institutional social responsibility (ISR) and extension activities : SWOC analysis of the department and future plans.

Strength:

- Qualified faculty with long experience of teaching .Prof. R.C.Patel is pursuing her research as a Ph.D.student.

Weakness :

- The institution is in semi-urban area hence students cannot be exposed to other reputed institution and department

Opportunities:

1.Job Opprotunities in Bank, Various Industries like pharma, engineering etc. in the field like statistic, economics etc.

2. Having good opportunities in academic field for B.A-B.Ed degree holder in statistic and economisc etc.

Challenges:

- To achieve 100% result and encourage the students to join in research work
- To recruit new faculty members

Future Plans:

- To increase strength in terms of motivation for students
- To train the students in helping the use of modern technology and their personality
- To increase the research activities
- To inculcate the students for doing project works on plant diversity
- To work hard for better result
- Arrange seminar for awareness for statistic and economics value in society.

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



**Department
of
Psychology**



Department of Psycholaogy

1. Name of the department :

2. Year of Establishment:

3. Name of Programmes/ Courses offered U.G.

Name of Programme	Core course	Other core Course	Sub. Elective Course	Foundation Course
B.A. Sem-I	Psy-101,102		Psy-101,102	
B.A. Sem-II				
Sem-III	201,202,203			
Sem-IV	301,302,303,304,305			

4. Names of Interdisciplinary courses and the departments/Units involved

5. Annual/Semester/Choice based credit system (Programme wise)

B.A.Sem.I (2011-'12) *	B.A.Sem.II (2011-'12) *	B A.Sem.III (2012-'13) *	B.A.Sem.IV (2012-'13) *
CBCS	CBCS	CBCS	CBCS

* Indicates the starting year, the preceding year was according to annual pattern.

6. Participation of the department in the courses offered by other departments.Nil

7. courses in collaboration with other universities, industries, foreign institutions, etc.

One faculty member delivers lectures on some special topics on BISAG[Bhaskaracharya

Institute for Space and Geoinformatics],Gandhinagar. The BISAG is two way communication

system implemented to all the colleges of Gujarat State.Dr.Jigar Parikh delivered a lecture on BISAG.

8. Details of courses/Programmes discontinued (if any) with reasons : NA

09. Number of faculty posts

Year	No of students	Required Ass.prof.as per Workload	Sanctioned by Govt.	Filled by Govt.	Vacancy
2009-10	229	2.5	2.5	2.5	00
2010-11	204	2.5	2.5	2.5	00
2011-12	204	2.5	2.5	2.5	00
2012-13	315	2.5	2.5	2.5	00

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The department of biology is bifurcated in to separate Botany and Zoology department

10. Faculty profile with name, qualification, designation specialisation (D.Sc/D.Lift/PhD/M.Phil etc) (From academic year 2008-09 to 2012-13)

Name	Qualification	Designation	Specialisation	No. of years of Experience
Dr.J.G.Parikh	M.A,Ph.D.	Head, Asso.Prof.	Yoga	22
Prof.R.N.PArmar	M.A.	Asso.Prof.	Stat, Practical	22
Prof. J.G.Gajjar	M.A.	Asso.Prof.	Practical	15

11 List of Senior visiting faculty : NIL**12 Percentage of lectures delivered and practical classes handled (Programme wise)**

13. Student-Teacher ratio (Programme wise)

Year	Name of programme	No. of students (A)	No. of teacher (B)	Ratio (A/B)
2008-09	F.Y.B. S.Y.B. TYBA			
2009-10	F.Y.B. S.Y.B. TYBA TYBA	299	2.5	119.6
2010-11	F.Y.B S.Y.B. TYBA	204	2.5	81.6
2011-12	B.A Sem-I B.A. Sem-II S.Y.B.A TYBA.	204	2.5	81.6
2012-13	B.A. Sem-I B.A. Sem-II B.A. Sem-III B.A. Sem-IV	315	2.5	126
		290	2.5	116

14. Number of academic support staff (Technical) and administration staff, sanctioned and filled
nil

15. Qualification of teaching faculty with D.Sc/D.litt/Ph.D/M. Phil/PG

Name of teaching faculty	Designation	Qualification
Dr.J.G.Parikh	Asso.Prof	M.A,Ph.D.

16. Number of faculty with ongoing projects from a) National B) International funding agencies and grants received : Nil

Completed Minor Research Project during last five year.

17 Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received : NIL

18 Research centre/facility recognized by the university : NIL

19 Publications

a. publication per faculty : 03

Dr.Jigar Parikh ISBN-02

ISBN-05

Prof.R.N.parmar ISBN-02

Prof.J.D.Gajjar ISBN-02

20. Areas of consultancy and income generated : NIL

21. Faculty as members in

National committees b) International committees c) Editorial Boards

22. Student projects

percentage of students who have done in house projects including interdepartmental/ programme : NIL

b) Percentage of students placed for projects in organizations outside the institutio i.e in research laboratories/Industry/ Industry/Other : NIL

23. Awards/Recognitions received by faculty and students [2008-2009 to 2012-2013]

- Judge in Quiz competition.

24 List of eminent academicians and scientists/visitors to the department : NIL

25 Seminars/conferences/workshops organized & the source of funding : NIL

26. Student profile programme/course wise

27. Diversity of students : --

32 How many students have cleared national and state competitive examinations such as NET, SLET, GATE, civil services, defence services, etc. : Data not collected : NIL

33 Student progression : NIL

34 Details of infrastructural facilities

a) Library:

b) Internet facilities for staff & students:

.DELL lab provides Internet and computer facilities to all the students.

31 Number of students receiving financial assistance from college, university, government or other agencies.

All SC/ST/OBC/Physically handicapped, Students receive scholarship from the Gujarat Government .

32 Details on student enrichment programme(Special lectures/workshops/seminar) with external experts

The BISAG is two way communication program and it arranges subjective expert lecturers. The BISAG display the subject wise time table. The college also display the same time table on notice board. The interested students can attend the expert's lecture. The students can also use the CD's of expert lectures provided by BISAG.

33. Teaching methods adopted to improve student learning

- Demonstration lectures using models, charts etc.
- Training of Herbarium preparation technique
- Study through educational tours, Excursion & field trips
- Power point presentation
- Use of Interactive smart board
- Downloaded topics using ICT
- Students seminar, quiz competition, monthly test, group discussion etc.
- Direct Teaching (Chalk and duster)

34. Participation in Institutional social responsibility (ISR) and extension activities :

NIL SWOC analysis of the department and future plans.

Strength:

Research . Ph.D.Guide – Five students undergoing Ph.D. research work under Dr.J.G.Parikh.
Prof.R.N.Parmar doing Ph.D.

Prof. J.D.Gajjar doing Ph.D.

Weakness :

- Non availability of laboratory staff
- Unable to start add on course in department
- The institution is in semi-urban area hence students cannot be exposed to other reputed institution and department

Opportunities :

Challenges:

- To achieve 100% result and encourage the students to join in research work
- To recruit new faculty members

Future Plans :

- To increase strength in terms of motivation for students
- To train the students in helping the use of modern technology and their personality
- To increase the research activities
- To inculcate the students for doing project works on plant diversity
- To work hard for better result

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



Department
of
Gujarati



DEPARTMENT OF GUJARATI

1. NAME OF DEPARTMENT: GUJARATI
2. YEAR OF ESTABLISHMENT : 1965
3. NAME OF PROGRAMMES/COURSES OFFERED U.G. :

10. FACULTY PROFILE WITH NAME,QUALIFICATION,DESIGNATION SPECIALISATION (D.SE./D.LIT./PH.D./M.PHIL ETC.) :

NAME	QUALIFICATION	DESIGNATION	SPECIALISATION	NAME OF YEAR OF EXPERIENCE
PROF.A.R.CHAUDHARY	B.A.,M.A.,PH.D.CONT.....	ASSOCIATE PROFESSOR	CRITICISM AND FICTION	24 YEARS
DR.J.M.CHAUDHARI	B.A.,M.A.,M.PHIL.(COMPLETED), PH.D.,CONT.PH.D.....	ASSOCIATE PROFESSOR	LINGUISTIC AND FICTION	20 YEARS

19. PUBLICATIONS :

(A) NUMBER OF PAPERS PUBLISHED IN PEER REVIEWED JOURNAL :

NO.	AUTHORS NAME	TITLE OF PAPER	NAME OF THE JOURNAL AND ISSN	VOLUME	PAGE NO.	YEAR
1	AMRIT CHAUDHARY	DALIT SAMVEDANNU ADBHUT SANYOJAN	VIVIDHASANCHAR			
2	JITENDRA CHAUDHARI	'PASHUPATI'NO DHVANI-RACHANA SANDARBHE	KING OF EDUCATION WORLD (ISSN : 2278-9189)			JAN.-FEB.-2014
3	JITENDRA CHAUDHARI	TRIPARIMANI RACHANA : 'BADLATI KSHITIJ'	KING OF EDUCATION WORLD (ISSN : 2278-9189)			MARCH-APRIL-2014
4	JITENDRA CHAUDHARI	BHARATIY SAHITYA ANE BHARATIY TATTVAGYAN	'PRAGATI'RESEARCH JOURNAL			MAY-2014

(A) PUBLICATION PER FACULTY : 5

NO.	AUTHORS NAME	TITLE OF BOOKS	NAME OF PUBLISHERS	ISBN NUMBER	TOTAL PAGES	YEAR OF PUBLISHING
1	AMRIT CHAUDHARY	OSHONU KELAVANI DARSHAN	DIVINE PUBLICATIONS	978-93-81002-39-1	296	2013
2	AMRIT CHAUDHARY	DIVASWAPNA	DIVINE PUBLICATIONS	978-93-80101-24-8	128	2013
3	AMRIT CHAUDHARY	PRATHAMIK SHIKSHAK YOGYATA KASOTI(TET)	DIVINE PUBLICATIONS	978-93-81002-78-0	384	2013
4	AMRIT CHAUDHARY	HED MASTER TAT	DIVINE PUBLICATIONS	978-93-81002-97-1	456	2013
5	AMRIT CHAUDHARY	MOHAN PARMARNI PANCH VARTAO	DIVINE PUBLICATIONS	978-93-81002-81-0	144	2014
6	AMRIT CHAUDHARY	ZAVSHINI RANI LAXMIBAI	DIVINE PUBLICATIONS	978-93-81002-82-7	80	2013
7	AMRIT CHAUDHARY	PRACHI KISHORKATHAO	DIVINE PUBLICATIONS	978-93-84349-97-4	76	2014
8	AMRIT CHAUDHARY	ACHARYA ABHIYOGYATA KASOTI	DIVINE PUBLICATIONS	978-93-84349-71-4	424	2014
9	AMRIT CHAUDHARY	CHHAND PARICHAY (WITH MP3 CD)	DIVINE PUBLICATIONS	978-93-80101-71-6	112	2009
10	AMRIT CHAUDHARY	RAMESH TRIVEDINI UTTAM BALVARTAO	DIVINE PUBLICATIONS	978-93-81002-85-8	128	2013
11	AMRIT CHAUDHARY	HUNDRAJ BALVANINI UTTAM BALVARTAO	DIVINE PUBLICATIONS	978-93-84349-31-8	56	2014
12	AMRIT CHAUDHARY	SANKALCHAN PATELNI SHRETHA BALVARTAO	DIVINE PUBLICATIONS	978-93-81002-83-4	108	2013
13	AMRIT CHAUDHARY	PURANNI BALVARTAO	DIVINE PUBLICATIONS	978-93-84349-96-7	116	2014
14	AMRIT CHAUDHARY	CHATUR SHIYAL TATHA ANYA BALVARTAO	PRANAV PRAKASHAN	978-93-83174-00-3	24	2014

SEMINAR/WORKSHOP :

PRO. AMRIT R. CHAUDHARY

Year	International Seminar	National Seminar	Local-State level Seminar	Workshop	Issn Paper Publish
2009	1	1	--	2	--
2010	--	--	3	2	--
2011	--	--	1	--	--
2012	--	1	1	3	--
2013	--	--	1	1	1
2014	--	1	--	--	--

DR.JITENDRA CHAUDHARI :

Year	International Seminar	National Seminar	Local-State level Seminar	Workshop	Issn Paper Publish
2010	--	2	1	--	--
2011	1	1	--	--	--
2012	--	--	1	1 (3 days)	--
2013	--	--	--	--	--
2014	--	--	--	1 (3 days)	3

1.A two Students obtained the M.Phil degree under my guidance :

1. CHAUDHARI HEMLATABEN RAMANLAL Subject : "AKSMAT' ANE 'DHUMMAS' : NVLKATHAONO ABHAYAS" ("અક્સ્માત" અને "ધુમ્મસ" નવલકથાઓનો અભ્યાસ) Awarded the degree on 26th March,2010.At Veer Narmad South Gujarat University,Surat.

2. VALAVI SUMESHBHAI KASHINATH Subject : "NKALNK', 'MAHASANGAR' ANE 'SALAM' VARTASANGRAHONO TULNATMAK ABHAYAS" ("નકલક", "મહાસંગર" અને "સલામ" વાર્તાસંગ્રહોનો તુલનાત્મક અભ્યાસ) Awarded the degree on 27th August,2012.At Veer Narmad South Gujarat University, Surat.

BRIGHT STUDENTS

1. LAXMAN JOSHI
2. LALAJI RABARI
3. CHANDANI DAVE

WEAKNESS

1. The institution is in semi-urban area hence student cannot be exposed to other reputed institution and department
2. Unable to start add on Course in department
3. We have no full faculty in department

CHALLENGES

1. To achive 100% result and encourage the student to join research work
2. To recruit new faculty member

OPPORTUNITY

- # GUJARTI IS HELPFUL IN PUBLICE EXAMS
- # GUJARTI IS HELPFUL IN UGC NET/SLET EXAMINATION
- # GUJARTI IS HELPFUL IN UPSC/GPSC COMPETITIVE EXAMS
- # GUJARTI IS HELPFUL IN STATE–LEVEL COMPETITIVE EXAMS
- # GUJARTI IS HELPFUL IN PROOF-READING
- # GUJARTI IS HELPFUL IN TRANSLATION
- # GUJARTI IS HELPFUL IN CREATIVE WRITING
- # GUJARTI IS HELPFUL IN JOURNALISM
- # GUJARTI IS HELPFUL IN EVENT MANAGEMENT

GUJARTI IS HELPFUL IN INTERNATIONAL COMMUNICATION

GUJARTI IS HELPFUL IN TEACHING GUJARATI

GUJARTI IS HELPFUL IN PROMOTING GUJARATI CULTURE

FUTURE PLAN

- To arrange reading seminar
- To Start Short-Term Subject Related Course
- To visit well known authors' monuments
- To arrange seminar for language presentation as well as for writing skills
- To show the films which are made from the well known novels of Gujarati literature
- To start the P.G. centre
- To show video of well known authors' creations and also arrange session for listening Audio cassettes of good authors' creations

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



**Department
of
Chemistry**



DEPARTMENT OF CHEMISTRY

1. **Name of the department** : Chemistry
2. **Year of Establishment:** : 1966
3. **Name of Programmes/ Courses offered U.G. :** Core Course – Chemistry

Name of programme	Core course	Other core Course	Sub. Elective Course	Foundation Course
B.Sc. Sem-I	Chemistry	----	----	General English
B.Sc Sem-II	Chemistry	----	Bio-diversity	General English
B.Sc Sem-III	Chemistry	----	Environment science	General English
B.Sc Sem-IV	Chemistry	----	Human resources and management	General English
B.Sc Sem-V	Chemistry	----	Soil composition & analysis	General English
B.Sc Sem-VI	Chemistry	----	Nanomaterial & nanotechnology	General English

4. **Names of Interdisciplinary courses and the departments/Units involved** NIL

5. **Annual/Semester/Choice based credit system (Programme wise)**

B.Sc.Sem.I & II	BSc.Sem.III & IV	B.Sc.Sem.V & VI
(2010-'11) *	(2011-'12) *	(2012-'13) *
CBCS	CBCS	CBCS

* Indicates the starting year, the preceding year was according to annual pattern.

6. **Participation of the department in the courses offered by other departments.** NIL

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

M.R.Mehta delivers lectures on some special topics on BISAG [Bhaskaracharya Institute for Space and Geoinformatics],Gandhinagar. The BISAG is two way communication system implemented to all the colleges of Gujarat State.

8. Number of faculty posts

Year	No of students	Required ass.prof. as per workload	Sanctioned by Govt.	Filled by Govt.	Vacancy
2010-11	181	4	4	4	0
2011-12	210	5	4	4	1
2012-13	471	6	4	4	2
2013-14	450	7	4	4	3
2014-15	535	7	7	7	0

The department of biology is bifurcated into Botany and Zoology department.

9. Faculty profile with name, qualification, designation specialization (D.Sc/ D.Litt /Ph.D/M.Phill etc) (From academic year 2008-09 to 2014-15)

Name	Qualification	Designation	Specialization	Experience (years)
Dr.M.R.Mehta	M.Sc,Ph.D	Asso.Prof.	Organic & Inorganic chemistry	21
Dr.B.C.Chauhan	M.Sc,Ph.D	Asso.Prof.	Organic chemistry	20
Dr.Subhash Thakor	M.Sc,Ph.D	Asso.Prof.	Organic chemistry	17
Shree.T.J.Patel	M.Sc,Ph.D (submitted)	Asso.Prof.	Organic chemistry	17
Dr. R.U.Roy	M.Sc,Ph.D	Adhyapak sahayak	Organic chemistry	5 months
Dr. B.A. Sharma	M.Sc,M.Phill, B.Ed, Ph.D	Adhyapak sahayak	Organic chemistry	2
Dr. R.R.Nandaniya	M.Sc,Ph.D	Adhyapak sahayak	Organic chemistry	5 months

11 List of Senior visiting faculty : NIL

12 Percentage of lectures delivered and practical classes handled (Programme wise)

Name of programme	Total no. of Post required	No. of filled posts		% of deliverers	
		regular	Temporary	Lecture	Practical
2009-10	4	4	0	-	-
2010-11	4	4	0	-	-
2011-12	5	4	0	-	-
2012-13	6	4	0	-	-
2013-14	7	4	0	-	-
2014-2015	7	7	0	-	-

12. Student-Teacher ratio (Programme wise)

Year	Name of programme	No. of students (A)	No. of teacher (B)	Ratio (A/B)
2010-2011	B.Sc	163	4	41
2010-2011	B.Sc	181	4	45
2011-2012	B.Sc	210	4	53
2012-2013	B.Sc	471	4	118
2013-2014	B.Sc	450	4	113
2014-2015	B.Sc	535	7	76

13. T.Y.B.Sc (Chemistry) Last five years result summary:

Session	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
No. of students	26	32	34	71	54
First Class	11	09	22	25	14
Second Class	10	21	11	24	27
Third Class	--	02	Nil	02	--
W.H	04	--	01	18	08
Fail	01	--	--		05

14. Number of academic support staff (Technical) and administration staff, sanctioned and filled

year	Name of technical & Administrative staff	Required	Filled by govt.	Vacant
2008-2009	Lab.Asstt	1	0	1
	Gas mechanic	1	1	0
	Peon	1	1	0
2009-10	Lab.Asstt	1	0	1
	Gas mechanic	1	1	0
	Peon	1	1	0
2010-11	Lab.Asstt	1	0	1
	Gas mechanic	1	1	0

	Peon	1	1	0
2011-12	Lab.Asstt	1	0	1
	Gas mechanic	1	1	0
	Peon	1	1	0
2012-13	Lab.Asstt	1	0	1
	Gas mechanic	1	1	0
	Peon	1	1	0
2013-14	Lab.Asstt	1	0	1
	Gas mechanic	1	1	0
	Peon	1	1	0
2014-15	Lab.Asstt	1	0	1
	Gas mechanic	1	1	0
	Peon	1	1	0

15. Qualification of teaching faculty with D.Sc/D.litt/Ph.D/M.Phil/PG

Name	Qualification	Designation
Dr.M.R.Mehta	M.Sc,Ph.D	Associate Professor
Dr.B.C.Chauhan	M.Sc,Ph.D	Associate Professor
Dr.Subhash Thakor	M.Sc,Ph.D	Associate Professor
Shri.T.J.Patel	M.Sc,Ph.D(submitted)	Associate Professor
Dr. R.U.Roy	M.Sc,Ph.D	Adhyapak sahayak
Dr. B.A. Sharma	M.Sc,M.Phill, B.Ed, Ph.D.	Adhyapak sahayak
Dr. R.R.Nandaniya	M.Sc,Ph.D	Adhyapak sahayak

16. Number of faculty with ongoing projects from a) National B) International funding agencies and grants received: Nil.

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc and total grants received

Sr.No	Name	Title of project	Amount
1	Dr. M.R.Mehta	Photochemical Behavior of Sodium Nitroprusside	50,000
2	Dr. M.R.Mehta	Effect of Polluted Water and Photocatalytic Treated Water on Plant and Microbial Growth:A Comparative Study	2,00,000
3	Dr. B.C.Chauhan	Synthesis and study of mesogenic materials	32,500

18. Research centre/facility recognized by the university : NIL**19. Publications**

- a. Total Conferences: 121
- b. Total publications: 43 (20 National+ 23 International)
- c. Books with ISBN/ISSN numbers with details of publishers: 12

• List of Publication

Sr. No	Title of Publication	Name of Journal	Date, Month & year of Publication	Remark
1	Photochemical Reaction Involving Sodium Nitroprusside-Sulphite system	Anart-Journal of Hem.N.G.Uni. Patan	P.31-38,Vol.(3) 2003	State
2	Photochemical Reaction Involving Nitrosyl Pentaacyanoferrate (II) system	International journal of Chemical Sciences	p.281-290,Vol.1(3) 2003	International
3	Photochemical Ligand Exchange Reaction of Sodium Nitroprusside of Metabisulphite Ions	Asian Journal of chemistry	P.279-286,Vol.1, 2003	International
4	Use of Iron (III) Oxide in Photo catalytic bleaching of Azure B	Research journal of chem.. & Environment	Vol.7(1),2003	International
5	Ligand Exchange reactions of SNP in the presence of sulphate ion under photochemical conditions	Indian journal of chemistry	P.1671-73,Vol.42(A) 2003	National
6	Effect of Sodium Chloride Solution on Infiltration Rates for saline and alkaline soil.	Pollution Research	761-765,Vol.23(4) 2004	International
7	Photochemical substitution of Thiosulphate ions on sodium Nitroprusside	Chem. Acta. Turcica	P.1-5,Vol.32 2004	International
8	Hydraulic Conductivity with Different Electrolyte solution As a Measure of Reclamation For saline & Alkaline soil	Anart-journal of Hem.N.G.Uni. Patan	P.175-183,Vol.10 2004	State
9	Photochemical Ligand Exchange Reaction of Nitrosyl	International journal of	P.1463-1472	International

	Pentacyanoferrate: use of Tellurite ions	Chemical Sciences	Vol.5(3) 2007	
10	Study of photochemical Reaction Involving sodium Nitroprusside-Malonic Acid system	International journal of Chemical sciences.	P.1831-1840 Vol.7(3) 2009	International
11	Study of photochemical Reaction Involving Nitrosyl Pentacyanoferrate Dithionate System	Journal of Indian council of Chemistry	P.197-201 Vol.27(2) 2010	International
12	A study of the growth of Allium Cepa under some photocatalytic Conditions	Advances in Applied Science research	Accepted AASR-2010-418, March 2011	International
13	Impact of photo catalytically Beached dyes on growth of Bacteria & fungi.	Advanced trends in applied science and technology	P.66-68 ISBN 978-81-923514-0-7 2012	National
14	A comparative study of the seed Germination of phaseolus Aureus Under some photocatalytic condi.	Life sciences leaflets	ISSN 2277-4297(P) 0976-1098(O) 1-8-2012	National
15	Photocatalytic Treatment of some Dyes solutions & it's influence on The growth of Allum cepa	Acta Chim.Pharm.Indica	ISSN 2277-288X 2(2) 2012, 95-100	National
16	Study of Photochemical Reaction Involving Nitrosyl Pentaacyanoferrate (II): dimethylurea system	Journal of current chemical and pharmaceutical sciences	ISSN 2277-2871 4(4),172-179, 2014	National
17	Ligand Exchange reactions of Nitrosyl Pentaacyanoferrate (II) using thiourea	Scientific reviews and chemical communication	ISSN 2277-2669 4(4),130-137, 2014	National
18	Azo ester mesogenic homologous Series of mesogenes 4-(4'-n-alkoxy benzoyloxy)3-methylphenylazo-2,5-dichlorobenzene	Acta ciencia indica, meerut.	Xxlxx,2,107,2003	National
19	New mesogenic homologous series of mesogenes p-(p-n-alkoxy benzoyloxy)-2-	Institution of chemist	75(4),2003	National

	methylphenylazo-p-dichlorobenzene			
20	Study of Azo ester mesogenic homologous Series mesogenes p-(p-n-alkoxy benzoyloxy)-O-methylphenylazo-p-dichlorobenzene	J.Indian Chemical Society	82,463-465,2005	National
21	Synthesis of new mesogenes 4-(4'-n-alkoxy benzoyloxy)-naphthylazo-2,5- dichlorobenzene	Institution of chemist	81(3),2009	National
22	Study of new homologous Series of Azo ester mesogenes: 4-(4'-n-alkoxy benzoyloxy)-3-chlorophenylazo-4-chlorobenzene	Der pharma	DPC-916-2010	International
23	Synthesis and metamorphism of novel liquid crystalline: 4-(4'-n-alkoxy benzoyloxy)-naphthylazo-4- chlorobenzene	Mol. Crystal of liquid crystal	552,16-23,2012	International
24	Mesogenic properties of a new homologous Series: 4-(4'-n-alkoxy benzoyloxy)-3-methoxyphenylazo-4-chlorobenzene	Poster at raj and der pharma	ISSN NO.0975-413X DPC-2011-995	International
25	Synthesis and study of novel liquid crystalline 4-(4'-n-alkoxy benzoyloxy)-3-methoxyphenylazo-3,4-dichlorobenzene	Mol. Crystal of liquid crystal	Submitted proof manuscript no.GMCL_A_720856	International
26	Mesogenic behaviour of chlorosubstituted 4-(4-n-alkoxy benzoyloxy)-3-methoxyphenylazo-3,4-dichlorobenzene	Mol. Crystal of liquid crystal	1-9,2014	International
27	Study of mesomorphism through a noval homologous series and its relation to molecular structure	Mol. Crystal of liquid crystal	604,2014	International
28	Synthesis and biological activities of oxine containing	Indian journal of	ISSN 2249-555X,	International

	aurones(thakor)	applied research	3(7),573-575, 2013	
29	Physic-chemical analysis of bore well drinking water	swp	ISBN 93-5067-857-8	National
30	Anticancer evaluation of azetidinone and thiazolidinone derivative of quinolone	International journal of chemical science	3(3),529-536,2005	International
31	Synthesis and antimicrobial activity of 1,2,4-triazoles	Coden ecjhao E-journal of chemistry	2(6),1-5,2005	National
32	Synthesis and antimicrobial screening of quinazolone containg novel hetrocyclic Schiff base and azetidinone by niementowski reaction	Coden ecjhao E-journal of chemistry	2(7),101-108,2005	National
33	Glucose transport through supported liquid membranes using noncyclic synthetic receptors	Desalination and water treatment	30,44-50,(2011)	National
34	Carrier facilitated transport of urea using synthetic noncyclic receptors through supported and bulk liquid membrane system	Asian. J. research. Chem..	ISSN 0974-4169, 7(9),795--798, 2014	National
35	Flame retardant cotton fabric by photochemically initiated grafting of binary mixture of acrylic monomers followed by phosphorylation	Trends in carbohydrate research	1(3),32-43, 2009	International
36	Functionalization of cotton fabric orienting towards antibacterial activity	Journal of polymer research	347-358,2011	International
37	Characterization and applications of PVF film grafted with binary mixture of methacrylic acid and 4-vinyl pyridine by gamma radiation: effect of swift heavy ions	Applied radiation and isotopes	79,118-130, 2013	International
38	Antibacterial, Flame retardant and physicochemical properties	Journal of applied polymer science	DOI:10.1002/app.40415,131,2014	International

	of cotton fabric graft copolymerized with a binary mixture of acrylonitrile and 4-vinylpyridine			
39	Synthesis of novel 1,2,4-triazolo[1,5-a]pyrimidines	J. of chemical and pharmaceutical research	4(5), 2687-2691,2012	National
40	Effective one pot Synthesis of new biologically active pyrimido[1,2-a]benzimidazoles	Indian journal of organic chemistry	9(4),153-158, 2012	National
41	one pot multi component Synthesis of novel pyrimido[1,2-a]benzimidazoles	Chemistry and biology interface	2(6),394-401, 2012	International
42	Synthesis of some new 1,4-dihydropyrimido[1,2-a]benzimidazoles and evaluation of their biological activity	Journal of chemical and pharmaceutical research	4(7), 3557-3561,2012	National
43	An efficient Synthesis of novel pyrimido[1,2-a] benzimidazoles and evaluation of their biological activity	Pelagia research library	3(6), 1352-1357,2012	National

- **List of books**

S.No.	Books	Publication	ISSN/ISBN
1	F.Y/S.Y/T.Y B.Sc. practical and theory books (9)	Nirav prakashan and Ekta prakashan-MRM	
2	Schiff base metal complex	Lambert acadmic Ram	978-3-659-29319-1
3	Synthesis and biological activity of Dihydro pyrimidines	International academic-Ram	978-93-8414813-3
4	Synthesis, characterization and biological evaluation of 1,4- dihydropyrimido[1,2-a]benz- imidazole	Green flag foundation-Ram	978-93-83579-75-4

20 Areas of consultancy and income generated :

- Faculty members provide services as Referee at Ph.D.viva /conference.
- Analysis of Soil and water samples. The college department has analyzed over more than 12000 soil samples given by the government of Gujarat.
- We organize Instrumental seminars and workshops for our B.Sc students.
- Various consultancy works with various industries.

21 Faculty as members in

1. National committees b) International committees c) Editorial Boards

Dr.M.R.Mehta

- Life fellow in ICC and ICS
- Member of Board of associate editor in IJC, Udaipur
- Associate editor of International Journal of Pharmaceutical

Dr.B.C.Chauhan

- Life member in Liquid Crystal society

22 Student projects

a. Percentage of students who have done in house projects including interdepartmental/ programme : NIL

b. Percentage of students placed for projects in organizations outside the institution i.e in research laboratories/Industry/ Industry/Other

d. Soil Analysis Project funded by Gujarat state Govt.

Name of faculty/ Student/ Principal investigator and co-worker	Details of soil analysis project				Status
	No. of analyzed soil sample	Funding Agency	Duration	Amount	
All Chemistry Staff members & selected students	12151	Govt of gujarat	2009- 2011	9,72,080	Project completed

23 Awards/Recognitions received by faculty and students [2009-20010 to 2013-2014]

Dr M.R.Mehta and Dr.B.C.Chauhan received Ph.D guide ship.

List of candidate persuing Ph.D under them:

Name of guide	Total students	Completed ph.d	Ongoing student
Dr M.R.Mehta	07	01	06
Dr.B.C.Chauhan	01	-	01

24. List of eminent academicians and scientists/visitors to the department: NIL

25. Seminars/conferences/workshops/Industrial visit organized & the source of funding

A. National conferences 02

- T.Y.B.Sc students presented poster and attained ICC (Indian council of chemist) conference at Patan in 2011
- Poster presentation by SEM VI students in national conference conducted in Sheth M.N Science College, Patan coordinated by Dr. Bharti Sharma Science college,Kalol.

B. International conferences NIL

C. Industrial visit 04

- Hindustan zinc at Udaipur (2007)
- PI Industries at Udaipur (2007)
- Torrent Pharmaceutical –Bhatt (2009)
- Claris pharmaceutical-Bagodara (2012)

D. Workshop 01

- HPLC training to SEM IV B.Sc students in Sheth M.N Science College, Patan coordinated by Dr. Rhishikesh Roy and Dr.Ram Nandaniya.

E. Seminar:

- Seminar entitled, “carrier counseling” conducted on 16.02.2015 by chemistry department for education and immigration prospective.
- Training in public speaking, personality development programme arranged by JCI, Kalol in from 2012 to till date

26. Student profile programme/course wise - As Above

27. Students job placement conducted by chemistry department in industries and various field. :

- Seven students of T.Y.B.Sc selected in IFFCO, Kalol (2008).
- Pidilite, Kalol (2009).
- Gujarat Terce Laboratories ltd., Ahmedabad (2010).
- Biotech vision care, Kalol (2015).
- Worki in 108 emergency services in public private mode with government of Gujarat (2015).

28. MOU Agreement :

- With Sunish Dye Chem., Vatva , Ahmedabad
- JD Wood product, Kalol

29. Other activities:

- Welcome day for F.Y.B.Sc. Students & Farewell day for T.Y.B.Sc. students by department of chemistry
- Teachers day celebration by department of chemistry
- Swami Vivekanand's day celebration on 12-01-2015 as cleaning day by B.Sc. Students
- Cricket tournament day every year by end of December.
- Kite festival day every year by 13th January.
- Get to gather of students and teachers at Chotila and Mount Abu

30. Details of infrastructural facilities

- Laboratories
- CCTV camera in lab
- Projector of chemistry department
- Central library is used
- DELL lab provides Internet and computer facilities to all the students. For staff purpose one computer with internet facility.
- Department had following instruments

Name of Instrument	No. of Pieces
Hot plate	02
P.H Meter	05
Spectro photometer	02
Colourimeter	04
Reflectometer	03
Conductometer	05
Red wood Viscometer	10
potentiometer	04
polarimeter	02
Oven	02
Digital balance+ single pan balance	05+01
Centrifuge	03
Flame photometer	02
Shaker machine	01

31. Number of students receiving financial assistance from college, university, government or other agencies.

All SC/ST/OBC/Physically handicapped students receive scholarship from the Gujarat government.

32. Details on student enrichment programme (Special lectures/workshops/seminar) with external experts

The BISAG is two way communication programs and it arranges subjective expert lectures. The BISAG display the subject wise time table The College also display the same time table on notice board. The interested students can attend the expert's lecture. The students can also use the CD's of expert lectures provided by BISAG.

33. Teaching methods adopted to improve student learning

- Demonstration lectures using models, charts etc.
- Training of Herbarium preparation technique
- Study through educational tours, Excursion & field trips
- Power point presentation
- Use of Interactive smart board
- Downloaded topics using ICT
- Student's seminar, quiz competition, monthly test, group discussion etc.
- Direct Teaching (Chalk and duster)

34. Strength:

- Computer facilities for staff
- High quality infrastructure and well developed lab
- Maximum research is done in the Chemistry department.
- Highly research oriented department

35. Opportunities:

- Opportunities provided to students to face in competitive exams by the Chemistry departments.
- Since there is a less research in Gujarat but our college can produce better research students.
- The north Gujarat region developing into an Industrial zone, that will provide job opportunity to our students.
- We can be a leader in refining and giving shape to the talents available in rural areas and backward areas of this region.

36. Challenges:

- To achieve 100% result and encourage the students to join in research work

37. Future Plans:

- To give more option paper to students.
- To prepare students for competitive exams.
- To give more computer-based papers to students.
- To encourage the students to participate in the poster presentation in conferences.
- To develop a research aptitude among the students.
- To improve general knowledge to students of Chemistry.
- To prepare students by the help NCC and NSS to serve the nation.
- Self finance F.Y. Bsc is running in this year and S.Y.BSc and T.Y.Bsc will be in subsequent year.
- Planning for Self finance Master of Science in near future.
- Planning for Short duration courses in near future.
- To increase strength in terms of motivation for students.
- To train the students in helping the use of modern technology and their personality.
- To increase the research activities.
- To work hard for better result.

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



**Department
of
Physics**



Department ofPHYSICS.....

1. Name of the department : Physics
2. Year of Establishment: 1966

3. Name of Programmes/ Courses offered U.G.

Name of Programme	Core course	Other core Course	Sub. Elective Course	Foundation Course
B.Sc. Sem-I	---	--	Remote sensing	General English
B.Sc Sem-II	----	----	Bio diversity	General English
B,ScSem-III	----	----	Nano-technology	General English
B.ScSem-IV	---	----	----	General English

4. Names of Interdisciplinary courses and the departments/Units involved

Name	Inter disciplinary unit or topic involved	
	Subject	Title of Topic
B.Sc Sem- III	Nano technology (Elective)	Nano technology and application

5. Annual/Semester/Choice based credit system (Programme wise)

B.Sc.Sem.I (2010-'11) *	BSc.Sem.II (2011-'12) *	B.Sc.Sem.III (2012-'13) *	B.Sc.Sem.IV (2013-'14) *
CBCS	CBCS	CBCS	CBCS

* Indicates the starting year, the preceding year was according to annual pattern.

6. Participation of the department in the courses offered by other departments.

N.A

7. courses in collaboration with other universities, industries, foreign institutions, etc.

One faculty member delivers lectures on some special topics on BISAG[Bhaskaracharya

Institute for Space and Geoinformatics], Gandhinagar. The BISAG is two way communication system implemented to all the colleges of Gujarat State.

8 Details of courses/Programmes discontinued (if any) with reasons : NA

9 Number of faculty posts

Year	No of students	Required Ass.prof.as per workload	Sanctioned by Govt.	Filled by Govt.	Vacancy
2010-11	195	03	03	03	03
2011-12	225	03	03	03	03
2012-13	350	03	03	03	03
2013-14	382	03	03	03	03

The department of biology is bifurcated in to separate Botany and Zoology department

10. Faculty profile with name, qualification, designation specialisation (D.Sc/D.Lift/PhD/M.Phil etc) (From academic year 2008-09 to 2012-13)

Name	Qualification	Designation	Specialisation	No. of years of Experience
D.A.Raval	Msc ,Mphil	Asso.Prof.	Physics	21
A V Parikh	Msc	Asst.Prof	Physics	16
S.B.Kansara	Msc Mphil	Asst.Prof	Physics	17

11 List of Senior visiting faculty : NIL

12 Percentage of lectures delivered and practical classes handled (Programme wise)

Name of programme	Total No. of post required	No. of filled posts		% of deliverers (By temporary faculty)	
		Regular	Temporary	Lecture	Practical
B.. 2009-10	3	3	0	-	-
B. 2010-11	3	3	0	-	-
B. 2011-12	3	3	0	-	-
B. 2012-13	3	3	0	-	-
B. 2013-14	3	3	0	-	-

13. Student-Teacher ratio (Programme wise)

Year	Name of programme	No. of students (A)	No. of teacher (B)	Ratio (A/B)
2010-11	F.Y.B.Sc	100	3	65
	S.Y.B.Sc	95		
2011-12	Sem-1	105	3	74
	S.Y.B.Sc	115		
2012-13	Sem-1	230	3	116
	Sem-3.	120		
2013-14	Sem-1	229	3	125
	Sem-3.	153		

14. Number of academic support staff (Technical) and administration staff, sanctioned and filled

Year	Name of technical & Administrative staff	Required	Filled by Gov.	Vacant
2009-10	Lab.Assit	1	0	1
	Electrician	1	1	0
	Peon	1	1	0
2010-11	Lab.Assit	1	0	1
	Electrician	1	1	0
	Gas mechanic	1	1	0
2011-12	Lab.Assit	1	0	1
	Electrician	1	1	0
	Gas mechanic	1	1	0
2013-14	Lab.Assit	1	0	1
	Electrician	1	1	0
	Gas mechanic	1	1	0

15. Qualification of teaching faculty with D.Sc/D.litt/Ph.D/M. Phil/PG

Name of teaching faculty	Designation	Qualification
Shri.D.A.Raval	Asso.Prof.	Msc .Mphil
Shri.A V Parikh	Asst.Prof	M.Sc
Shri.S.B.Kansara	Asst.Prof	Msc Mphil

16. Number of faculty with ongoing projects from a) National B) International funding agencies and grants received :

02 minor project funding by UGC Total

Grant sanctioned

1.9 Lakhs

Completed Minor Research Project during last five year

Nil

17 Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc and total grants received :

Nil

18 Research centre/facility recognized by the university :

NIL

19 Publications

a. publication per faculty : Shri .S.B.Kansara - 08 (ISBN/ISSN)

* Number of papers published in peer reviewed journal (National/International) by faculty and students:- Nil

* Number of publications listed in international database (For eg. web of science scopes, Humanities international complete, Dare Database- International social sciences directory, CBSCO host etc. :-

00

List of Publication

No	Title of Paper	Volume ISBN/ISSN
1	<i>Structure-transport correlations in mono-valent Na⁺ Doped property La_{1-x}Na_xMnO₃ Manganites – Advance Materials Research</i>	– ISSN- 1662-8985
2	Physico-Chemical Analysis of bore well drinking water	– ISBN- 93 - 5067 – 857-
3	Harmful Effect of Electromagnetic wave radiations (3 KHz – 300 GHz) on lives	- ISBN- 93 - 5067 – 857-8
4	Scope of Virtual laboratories in teaching and learning	- ISBN- 93 - 5067 – 857-8
5	Studies on electrical properties (insulator to metal transition) and temperature sensitivity of La _{0.8-x} K _{0.2} MnO ₃ (x=0.1 and 0.3) – International journal of scientific computing	– ISSN – 0973-578x
6	Structure-property correlations in La _{1-x} Na _x MnO ₃ manganites,	-AIP Conf. Proc. 1447, 1137 (2012)
7	Structure-property Correlation in Monovalant Mixed oxide La _{1-x} K _x MnO ₃ (0.0≤ x ≤0.3) Manganites	AIP Conf. Proc. 1512, 928 (2013)
8	Nanotechnology-Innovative Materials , Process, Products and Applications.-	ISSN - IEEE

20 Areas of consultancy and income generated : NIL

21 Faculty as members in

1. National committees b) International committees c) Editorial Boards

NIL

22 Student projects

i. percentage of students who have done in house projects including interdepartmental/ programme : NIL

b. Percentage of students placed for projects in organizations outside the institutio i.e in research laboratories/Industry/ Industry/Other : NIL

23 Awards/Recognitions received by faculty and students [2008-2009 to 2012-2013]

NIL

24 List of eminent academicians and scientists/visitors to the department :

**Dr. Nikesh Shah-Professor ,Department of physics saurashtra university,
Rajkot.**

**Dr.D.G.Kuberkar -Professor,Department of physics saurashtra
university,
Rajkot.**

25 Seminars/conferences/workshops organized & the source of funding

a. National NIL

b. International NIL

26 Student profile programme/course wise -- As Above

27 How many students have cleared national and state competitive examinations such as

NET, SLET, GATE, civil services, defence services, etc. : Data not collected : NIL

28 Student progression : NIL

29 Details of infrastructural facilities

a) Library: Central library is used

b) Internet facilities for staff & students:

DELL lab provides Internet and computer facilities to all the students. For staff purpose one computer with internet facility.

Department have following specific instruments

Name of Instrument	No. of Pieces
Spectro meter	4
Transistor circuit board	4
Full wave ractifier	2
CRT	2
Microscope	6
Bar pendulum	4
Logic gate	2
Ballistic -Galvanometer	4
telescope	4

In our department, we have most of instrument related to university syllabus.

30 Number of students receiving financial assistance from college, university, government or other agencies.

All SC/ST/OBC/Physically handicapped, Students receive scholarship from the Gujarat Government .

31 Details on student enrichment programme(Special lectures/workshops/seminar) with external experts

The BISAG is two way communication program and it arranges subjective expert lecturers. The BISAG display the subject wise time table. The college also display the same time table on

notice board. The interested students can attend the expert's lecture. The students can also use the CD's of expert lectures provided by BISAG.

32 Teaching methods adopted to improve student learning

- Demonstration lectures using models, charts etc.
- Training of Herbarium preparation technique
- Study through educational tours, Excursion & field trips
- Power point presentation
- Use of Interactive smart board from DELL lab.
- Downloaded topics using ICT
- Students seminar, quiz competition, monthly test, group discussion etc.
- Direct Teaching (Chalk and duster)

33 Participation in Institutional social responsibility (ISR) and extension activities :

We have visited to rural school for science awareness.

We have guided for making working science models.

Organize programmers for guiding to higher secondary school student.

We actively participate all activity organized by our institution.

Strength:

- 3 faculty member ...02.. holding M.Phil. degree. Qualified faculty with long experience of teaching
- 08 research papers were published

Weakness :

- Non availability of Lab.Asst.
- The institution is in semi-urban area hence students cannot be exposed to other reputed institution and department

Opportunities :

To start with T.Y.Bsc Physics.

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



**Department
of
Biology**



Department of ...Biology.....

1. Name of the department :Biology (Zoology & Botony)
2. Year of Establishment: 1966
3. Name of Programmes/ Courses offered U.G.

Name of Programme	Core course	Other core Course	Sub. Elective Course	Foundation Course
B.Sc. Sem-I		--	Bio-diversity	General English
B.Sc. Sem-II			Envi.Studies	

4. Names of Interdisciplinary courses and the departments/Units involved

NIL

5. Annual/Semester/Choice based credit system (Programme wise)

B.Sc.Sem.I (2010-'11) *	BSc.Sem.II (2011-'12) *	B.Sc.Sem.III (2012-'13) *	B.Sc.Sem.IV (2013-'14) *
CBCS	CBCS	CBCS	CBCS

* Indicates the starting year, the preceding year was according to annual pattern.

6. Participation of the department in the courses offered by other departments.

NIL

7. courses in collaboration with other universities, industries, foreign institutions, etc.

One faculty member delivers lectures on some special topics on BISAG[Bhaskaracharya

Institute for Space and Geoinformatics], Gandhinagar. The BISAG is two way communication system implemented to all the colleges of Gujarat State.

8. Details of courses/Programmes discontinued (if any) with reasons : NA

9. Number of faculty posts

Year	No of students	Required Ass.prof.as per Workload	Sanctioned by Govt.	Filled by Govt.	Vacancy
2010-11	43	01	01	01	01
2011-12	52	01	01	01	01
2012-13	75	01	01	01	01
2013-14	103	01	01	01	01

The department of biology is bifurcated in to separate Botany and Zoology department

10. Faculty profile with name, qualification, designation specialisation (D.Sc/D.Lift/PhD/M.Phil etc) (From academic year 2010-011 to 2013-14)

Name	Qualification	Designation	Specialisation	No. of years of Experience
Dr.J.R.Prajapati	M.Sc,Ph.D	Asso.prof.	Zoology	20

11. List of Senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (Programme wise)

Name of programme	Total No. of post required	No. of filled posts		% of deliverers (By temporary faculty)	
		Regular	Temporary	Lecture	Practical
B.. 2009-10	1	1	0	-	-
B. 2010-11	1	1	0	-	-
B. 2011-12	1	1	0	-	-
B. 2012-13	1	1	0	-	-
B. 2013-14	1	1	0	-	-

13. Student-Teacher ratio (Programme wise)

Year	Name of programme	No. of students (A)	No. of teacher (B)	Ratio (A/B)
2010-11	F.Y.B.sc	43	1	43
2011-12	Sem-1	52	1	52
2012-13	Sem-1	75	1	75
2013-14	Sem-1	103	1	103

14. Number of academic support staff (Technical) and administration staff, sanctioned and filled

Year	Name of technical & Administrative staff	Required	Filled by Gov.	Vacant
2010-2011	1	0	1	0
2011-12	1	0	1	0
2012-13	1	0	1	0
2013-14	1	0	1	

15. Qualification of teaching faculty with D.Sc/D.litt/Ph.D/M. Phil/PG

Name of teaching faculty	Designation	Qualification
Dr.J.R.Prajapati	Asso.Prof.	M.Sc.Ph.D

16. Number of faculty with ongoing projects from a) National B) International funding agencies and grants received :

Nil

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc and total grants received : NIL

18 Research centre/facility recognized by the university : NIL

19 Publications

a. publication per faculty : 11

* Number of papers published in peer reviewed journal (National/International) by faculty and students:-00

* Number of publications listed in international database (For eg. web of science scopes, Humanities international complete, Dare Database- International social sciences directory, CBSCO host etc. :- 00

* Monographs Nil

* Chapter in Books Nil

* Books Edited 01

* Books with ISBN/ISSN numbers with details of publishers:

List of Publication

Sr. No	Title of Publication	Name of Journal	Date, Month & year of Publication	Remark
1.	Studies on ground water quality of Palanpur city, Dist.Banaskantha N.Gujarat India	Nature,Environment and Pollution (Technoscience publication), Karad (Maharashtra)	Vol..9(4) 2010	International
2	Comparative study of Avifauna from reservoirs in Kheda district,Gujarat, India	Journal of Aquatic Biology 104, V.K.Dhagenagar Gaddiannaram Hyderabad-A.P.	P.41-45 Vol.25(1)2010	International
3	A case study on ground water quality of paldi village of North Gujarat region	Bio-Science guardian Bhavnagar ,Gujarat	Vol-2(1) P 85-89 June-2012	International

20. Areas of consultancy and income generated : NIL

21. Faculty as members in

National committees b) International committees c) Editorial Boards

NIL

22. Student projects

percentage of students who have done in house projects including interdepartmental/ programme : NIL

b)Percentage of students placed for projects in organizations outside the institutio i.e in research laboratories/Industry/ Industry/Other : NIL

23. Awards/Recognitions received by faculty and students : ----

24. List of eminent academicians and scientists/visitors to the department : NIL

25. Seminars/conferences/workshops organized & the source of funding

a) National NIL

b) International NIL

26. Student profile programme/course wise -- As Above

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, civil services, defence services, etc. : NIL

28. Student progression : NIL

29. Details of infrastructural facilities

a) Library: Central library is used

b) Internet facilities for staff & students:

DELL lab provides Internet and computer facilities to all the students. For staff purpose one computer with internet facility.

Department have following specific instruments

Name of Instrument	No. of Pieces
Student Microscope	28
Dissecting Microscope	20
USICO Microscope	01
Refrigerator	01

30. Number of students receiving financial assistance from college, university, government or other agencies.

All SC/ST/OBC/Physically handicapped, Students receive scholarship from the Gujarat Government .

31. Details on student enrichment programme(Special lectures/workshops/seminar) with external experts

The BISAG is two way communication program and it arranges subjective expert lecturers. The BISAG display the subject wise time table. The college also display the same time table on notice board. The interested students can attend the expert's lecture. The students can also use the CD's of expert lectures provided by BISAG.

32. Teaching methods adopted to improve student learning

- Demonstration lectures using models, charts etc.
- Training of Herbarium preparation technique
- Study through educational tours.
- Use of Interactive smart board
- Students seminar, quiz competition, monthly test, group discussion etc.
- Direct Teaching (Chalk and duster)

33. Participation in Institutional social responsibility (ISR) and extension activities :

NIL SWOC analysis of the department and future plans.

Strength:

-01 faculty member ...01.. holding Ph.D. degree. Qualified faculty with long experience of teaching
-03.. research papers were published

Weakness :

- Non availability of laboratory staff
- Unable to start add on course in department
- The institution is in semi-urban area hence students cannot be exposed to other reputed institution and department

Opportunities :

Challenges:

- To achieve 100% result and encourage the students to join in research work

Future Plans :

- To increase strength in terms of motivation for students
- To train the students in helping the use of modern technology and their personality
- To inculcate the students for doing project works.
- To work hard for better result

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



**Department
of
Microbiology**



Department ofMicrobiology.....

1. Name of the department : Microbiology
2. Year of Establishment: 1989
3. Name of Programmes/ Courses offered U.G. : Core Course – Chemistry

Name of Programme	Core course	Other core Course	Sub. Elective Course	Foundation Course
B.Sc. Sem-I	Micro.	--	-----	General English
B.Sc Sem-II	Micro.	-----	Bio diversity	General English
B,ScSem-III	Micro.	----	Environmental Science	General English
B.ScSem-IV	Micro.	----	DNA The Molecule of life	General English
B.Sc Sem V	Micro.	----	Agriculture Microbiology	General English
B.Sc.SEm VI	Micro.	-----	Geo Microbiology	General English

4. Names of Interdisciplinary courses and the departments/Units involved

NIL

5. Annual/Semester/Choice based credit system (Programme wise)

B.Sc.Sem.I (2010-'11) *	BSc.Sem.II (2011-'12) *	B.Sc.Sem.III (2012-'13) *	B.Sc.Sem.IV (2013-'14) *
CBCS	CBCS	CBCS	CBCS

* Indicates the starting year, the preceding year was according to annual pattern.

6. Participation of the department in the courses offered by other departments.

NIL

7. courses in collaboration with other universities, industries, foreign institutions, etc.

Three faculty member delivers lectures on some special topics on BISAG[Bhaskaracharya

Institute for Space and Geoinformatics], Gandhinagar. The BISAG is two way communication system implemented to all the colleges of Gujarat State.

8. Details of courses/Programmes discontinued (if any) with reasons : NA

9. Number of faculty posts

Year	No of Students	Required Ass.prof.as per Workload	Sanctioned by Govt.	Filled by Govt.	Vacancy
20010-11	40	3	4	3	0
2011-12	52	3	4	3	0
2012-13	80	4	4	3	1
2013-14	102	4	4	3	1

The department of biology is bifurcated in to separate Botany and Zoology department

10. Faculty profile with name, qualification, designation specialisation (D.Sc/D.Lift/PhD/M.Phil etc) (From academic year 2008-09 to 2012-13)

Name	Qualification	Designation	Specialisation	No. of years of Experience
Dr.K.C.Deshmukh	M.Sc,Ph.D	Principal	Microbiology	23
Dr.B.V.Roal	M.Sc,Ph.D	Asso.Prof.	Microbiology	35
Dr.R. P. Patwa	M.Sc,Ph.D	Asso.Prof.	Microbiology	19

11 List of Senior visiting faculty : NIL

12 Percentage of lectures delivered and practical classes handled (Programme wise)

Name of programme	Total No. of post required	No. of filled posts		% of deliverers (By temporary faculty)	
		Regular	Temporary	Lecture	Practical
B.. 2009-10	3	3	0	-	-
B. 2010-11	3	3	0	-	-
B. 2011-12	4	3	0	-	-
B. 2012-13	4	3	0	-	-
B. 2013-14	4	3	0	-	-

13. Student-Teacher ratio (Programme wise)

Year	Name of programme	No. of students (A)	No. of teacher (B)	Ratio (A/B)
2010-11	B.Sc	40	3	13
2011-12	B.Sc	52	3	17
2012-13	B.Sc	80	3	27
2013-14	B.Sc	102	3	34

14. Number of academic support staff (Technical) and administration staff, sanctioned and filled

Year	Name of technical & Administrative staff	Required	Filled by Gov.	Vacant
2008-2009	Lab.Assit	1	0	1
	Peon	1	1	0
2009-10	Lab.Assit	1	0	1
	Peon	1	1	0
2010-11	Lab.Assit	1	0	1
	Peon	1	1	0
2011-12	Lab.Assit	1	0	1
	Peon	1	1	0
2012-13	Lab.Assit	0	0	1

	Peon	1	1	0
--	------	---	---	---

15 Qualification of teaching faculty with D.Sc/D.litt/Ph.D/M. Phil/PG

All Ph.D

16. Number of faculty with ongoing projects from a) National B) International funding agencies and grants received :

Nil

Completed Minor Research Project during last five year

Nil

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc and total grants received : NIL

18 Research centre/facility recognized by the university : NIL

Publications

a. publication per faculty : 07 (Total)

* Number of papers published in peer reviewed journal (National/International) by faculty and students:- 00

* Number of publications listed in international database (For eg. web of science scopes, Humanities international complete, Dare Database- International social sciences directory, CBSCO host etc. :- 00

* Monographs Nil

* Chapter in Books Nil

* Books Edited Nil

* Books with ISBN/ISSN numbers with details of publishers: NIL

19 Areas of consultancy and income generated : NIL

20 Faculty as members in

**1. National committees b) International committees c) Editorial Boards
NIL**

21 Student projects

**i. percentage of students who have done in house projects including
interdepartmental/ programme : NIL**

**b. Percentage of students placed for projects in organizations outside the
institutio i.e in research laboratories/Industry/ Industry/Other : NIL**

22 Awards/Recognitions received by faculty and students [2009-20010 to 2013-2014]

NIL

23 List of eminent academicians and scientists/visitors to the department : NIL

24 Seminars/conferences/workshops organized & the source of funding

a. National NIL

b. International NIL

25 Student profile programme/course wise -- As Above

**26 How many students have cleared national and state competitive examinations such as
NET, SLET, GATE, civil services, defence services, etc. : Data not collected : NIL**

27 Student progression : NIL

28 Details of infrastructural facilities

a) Library: Central library is used

b) Internet facilities for staff & students:

DELL lab provides Internet and computer facilities to all the students. For staff purpose one computer with internet facility. HOD is provided with internate facility.

Department have following specific instr

Name of Instrument	No. of Pieces
Autoclave	2
P.H Meter	2
Spectro photometer	2
Colorie meter	2
Incubator meter	2
Own	2
Microscope	25
Refegrotor	3

29 Number of students receiving financial assistance from college, university, government or other agencies.

All SC/ST/OBC/Physically handicapped, Students receive scholarship from the Gujarat Government .

30 Details on student enrichment programme(Special lectures/workshops/seminar) with external experts

The BISAG is two way communication program and it arranges subjective expert lecturers. The BISAG display the subject wise time table. The college also display the same time table on notice board. The interested students can attend the expert's lecture. The students can also use the CD's of expert lectures provided by BISAG.

31 Teaching methods adopted to improve student learning

- Demonstration lectures using models, charts etc.
- Training of Herbarium preparation technique
- Study through educational tours, Excursion & field trips
- Power point presentation
- Use of Interactive smart board
- Downloaded topics using ICT
- Students seminar, quiz competition, monthly test, group discussion etc.
- Direct Teaching (Chalk and duster)

32 Participation in Institutional social responsibility (ISR) and extension activities :

NIL

33 SWOC analysis of the department and future plans.

Strength:

- All faculty member holding Ph.D. degree. Qualified faculty with long experience of teaching

- 02 faculty members are research guide papers were published

Weakness :

- Unable to start add on course in department
- The institution is in semi-urban area hence students cannot be exposed to other reputed institution and department

Opportunities :

To start with M.Sc Microbiology.

Challenges:

- To achieve 100% result and encourage the students to join in research work

Future Plans :

- To increase strength in terms of motivation for students
- To train the students in helping the use of modern technology and their personality
- To increase the research activities
- To work hard for better result

Shri P.H.G.Muni. Arts & Science College, Kalol (N.G.)



**Department
of
Mathematics**



Department of Mathematics

1. Name of the department : Mathematics
2. Year of Establishment : June 1973
3. Name of Programmes/ Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of Programme	Core course	Other core Course	Sub. Elective Course	Foundation Course
B.Sc. Sem-I	-	Maths	--	General English
B.Sc. Sem-II	----	Maths	--	Communication skill

4. Names of Interdisciplinary courses and the departments/Units involved : Nil

5. Annual/Semester/Choice based credit system (Programme wise)

B.Sc.Sem.I (2011-'12) *	B.Sc.Sem.II (2011-'12) *
CBCS	CBCS

* Indicates the starting year, the preceding year was according to annual pattern

6. Participation of the department in the courses offered by other departments : NIL

7. courses in collaboration with other universities, industries, foreign institutions, etc. : NIL

8. Details of courses/Programmes discontinued (if any) with reasons. NA

9. Number of faculty posts

Year	No of students	Required Ass.prof.as per Workload	Sanctioned by Govt.	Filled by Govt.	Vacancy
2009-10	65	Part time	0	0	0.5
2010-11	95	Part time	0	0	0.5
2011-12	105	01	0	0	01
2012-13	145	01	0	0	01
2013-14	185	01	0	0	01

10. Faculty profile with name, qualification, designation specialisation (D.Sc/D.Litt/PhD/M.Phil etc) (From academic year 2009-10 to 2013-14) :-

11. List of Senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (Programme wise) : ---

13. Student-Teacher ratio (Programme wise) -----

14. Number of academic support staff (Technical) and administration staff, sanctioned and filled :NIL

15. Qualification of teaching faculty with D.Sc/D.litt/Ph.D/M. Phil/PG : ----

16. Number of faculty with ongoing projects from a) National B) International funding agencies and grants received : NIL

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc and total grants received : NIL

18. Research centre/facility recognized by the university : NIL

19. Publications : NIL

20. Areas of consultancy and income generated : NIL

21. Faculty as members in : NIL

(a) National Committees

(b) International Committees

22. Student projects : NIL

23. Awards/Recognitions received by faculty and students: NIL

24. List of eminent academicians and scientists/visitors to the department : NIL

25. Seminars/conferences/workshops organized & the source of funding: NIL

26. Student profile programme/course wise :-----

27. Diversity of students : Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, civil services, defence services, etc. : NIL

29. Student progression : Nil

30. Details of infrastructural facilities : ---

31. Number of students receiving financial assistance from college, university, government or other agencies.

All the maths department SC/ST/OBC students receive scholarship from the Gujarat Government

32. Details on student enrichment programme(Special lectures/workshops/seminar) with external experts :

33. Teaching methods adopted to improve student learning

- Direct Teaching (Chalk and Duster)

34. Participation in Institutional social responsibility (ISR) and extension activities : NIL

35. SWOC analysis of the department and future

plans. Strength: Large number of students

Weakness :

- The basic knowledge of students in mathematics subject is poor
- Lack of permanent faculty

Opportunities :

- Increase in the demand of mathematics teacher in schools / colleges

Challenges:

- To develop subject interest amongst the students

Future Plans :

- To start mathematics at sem-V and sem-VI and to appoint regular faculty
- To appoint regular faculty

Shri P.H.G-Muni. Arts & Science College, Kalol (N.G.)



Post Accreditation Initiatives



Post Accreditation Initiatives

The management, Head of the institution, faculty members and students sincerely extend our gratefulness to previous peer team for noting following recommendations for the effort of the institute and guideline given in the term of analysis report. The institution has meticulously concentrated towards the recommendations and tried at our level best to fulfill most of the recommendations.

Physical infrastructure to be toned up to keep pace with the large class strength and more than one institution functioning in the campus.

Timely maintenance and repairing has been undertaken. New ladies toilet has been prepared. Commerce college from our building has been shifted to another building.

ICT use in teaching learning be strengthened

We have organized computer training programme for the staff members. Office has been updated with modern software.

Special effort to provide computer literacy and spoken English

The establishment and efficient functioning of DELL has been undertaken by the college. More than 4000 students have passed "A" Grade SCOPE exam organized by Cambridge University.

Diversify curriculum to increase academic flexibility :

To increase academic flexibility the Gujarat University introduced CBCS from 2011-2012 in UG. The institution has given flexibility to the students for Choice of English, Sanskrit, Gujarati, Hindi, History, Psychology, and Economics in Arts and Chemistry, Physics, Maths/chemistry-physics-zoology, Botany and chemistry, physics, botany group in 1st Year. For second year students there are choice of chemistry-physics/ chemistry-maths/chemistry-Botany / Chemistry- Zoology group. For third year there is a choice for chemistry/zoology. The institution has restarted chemistry – Maths group from 2012-13 second year students.

Automate, network and update library resources :

The library automation was initiated. The library is partly automated and the process is in progress. For library automation we are using KOHA software (College version). The college has subscribed N List programme of INFLIBNET that is repository of thousands of books and journals. The library has computer with internet connectivity and a printer also. Total numbers of titles have been increased.

Encourage use of computer assisted teaching and other modern education technologies

The college has provided computers with internet facility to each department for their departmental work. The office accountant, staff room and library have been given sufficient no. of computer with internet connectivity.

Each department is well equipped with modern educational teaching aids (PC/ printer,UPS) and internet connectivity. Some of the faculty members used LCD projectors, Smart board, OHP transparency etc to teach students. Teachers are encouraged to use multimedia projector for teaching learning activities.

The teachers be encouraged to go for research apply for research projects and published papers.Promote research activities especially in the filed of biodiversity

The institution encourages to perform quality research work in the Chemistry department. Two faculty Members of Chemistry department had completed UGC Minor research projects. More than 200 seminar, workshop has been attended by the faculty members. The faculty members of Chemistry departments have published research papers in reputed journal.

To promote scientific temper amongs the faculty members, the college has conducted the three day workshop to prepare major and minor research projects

Most of our faculty memerbs had given their services as judge at many science fair organized by different schools of Gandhinagar district at taluka level and also at district level. As a result the total strength of students are increasing in science stream from 2010 to 2014 and can be given in the following table.

Year	2010-11	2011-12	2012-13	2013-14
No.of Students	1689	1744	1970	2088

Increase in strength for science students in college is due to the science temper created by our faculty members.

Sports Activites

Even in the absence of PTI college has activially in various sports activites the instituion arrange Kabbadi, Hand Ball, Kho-Kho and Cricket for Girls and boys. We were runners up in Girls Kabbadi tournament for last five years at Gandhinagar. Students selected Kabbadi and Hand Ball in Gujarat University Team.

College has taken ulmost care to provide the best sprots facilities for girl students and encouraged students participation in extra curricular activities at intercollegiate and state levels. Still a full time Physical Training Instructor (PTI) has not been appointed by Government. The girl team of this institution had participated in Kabaddi at Mansa College

Launch new self supporting add on course

Due to implementation of CBCS pattern the institution has offered, Elective value added courses like Biodiversity, Environment Studies, Mathematical Skill, Computer Basics Practical, Communication Skill(F.C.), We have also organized various value added lectures and activities like on Swami Vivekanand personality development etc. We have started daily prayer at 7:55a.m from Monday to Saturday.

Launch a website for the college

The college has launched its Website : <http://www.sciencewithhumanity.org>

Develop community linkages with nearby and prominent NGOs

The chemistry department has handled the soil health card project given by Gujarat Government and analysed **12000** Soil Samples of farmers of adjoining areas. The project has been successfully organized by team work of staff and students of the institution. The institution provides cost free water and soil analyses to the farmer and local community and thus try its better to develop Community linkages with nearby villages.

Appointment of qualified full time librarian is an urgent need

For the appointment of a qualified full time Librarian, the institute is depended on Government policy. But our management has appointed a full time qualified librarian on adhoc bases from 2013.

Annexure -1

Five Years Audited Reports & Map

Annexure – 2

Photo Galary

Annexure – 3

Letter of Compliance

D. Declaration by the Head of the Institution

I certify that the data included in this Re-Accreditation Report (RAR) are true to the best of my knowledge.

This RAR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the peer team will validate the information provided in this RAR during the peer team visit.

Signature of the Head of the Institution

With seal :

Place : Kalol

Date : 20/09/2014

2010

Youth Festival participation-



Saari day celebrated.



Movie club of English department.



Staff undergoing scope training.



Legal awareness programme for students.



Open day for English department TYBA-



NSS activities:-





Gram safai—

Leadership camp.



2011---

11. Students' seminar held in the college.







2012----

A photo gallery of college activities of the Year.





