

PETLAD EDUCATION TRUST MANAGED  
**SHRI R. K. PARIKH ARTS AND SCIENCE COLLEGE**



[ACCREDITED "B"]

Affiliated to  
**GUJARAT UNIVERSITY, AHMEDABAD**



## RE~ACCREDITATION REPORT

Submitted to  
**NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL**

Dantali Road, PETLAD – 388 450.  
DIST. ANAND, GUJARAT,  
INDIA

Tele/Fax : 02697-252396

Website : [www.petladcollege.org](http://www.petladcollege.org)

APRIL  
2016



**PETLAD EDUCATION TRUST MANAGED**  
**SHRI R. K. PARIKH ARTS AND SCIENCE COLLEGE**

[ESTD. 1946]

{Accredited "B" by NAAC}

DANTALI ROAD, PETLAD – 388 450. DIST. ANAND, GUJARAT.

**RE-ACCREDITATION REPORT**

**SUBMITTED TO NAAC**

**APRIL 2016**

**Prepared by**

**Dr. V. S. Joshi (Principal)**

**Prof. K. R. Trivedi (Coordinator)**

**Dr. K. B. Anjaria (Joint Coordinator)**

**College website : [www.petladcollege.org](http://www.petladcollege.org)**

**Email : [vsjoshi69@gmail.com](mailto:vsjoshi69@gmail.com)**

**Telefax : 02697-252396**

## PREFACE

I have immense pleasure to put forward our Reaccreditation Assessment Report (RAR) in front of honourable members of National Assessment and Accreditation Council (NAAC) committee, Bangaluru (Bangalore). Assessment is a process where one can look critically for their objectives and goals to decide direction of growth of an institute.

Our second cycle of assessment is an opportunity to review our strength, weakness and challenges faced to create future road map. After first visit of NAAC team to our institute it was mandatory to establish internal quality assurance cell (IQAC) for continuous monitoring of all events which has created great impact on the day to day working style and that made us more confident.

Education is not only a process carried out in classrooms but it is nurturing young minds in many dimensions so that they can contribute their best to the Nation and become a responsible citizen of Nation. In this regard our IQAC has played an active role to develop and strengthen our institute. I can proudly say that my all staff members worked as a one team towards achieving our targets. On the other hand other stake holders such as alumni, parents, management also played a significant role to fill the lapse. Though it is very well known that no one is perfect in all sense thus we may also have many such areas and we are committed to overcome by working hard as a team.

At this moment I take the opportunity to thank all stake holders of an institute who has contributed to prepare this report. I also welcome the NAAC peer team members to our institute. I have deep feeling that their visit is not only for an assessment but their vision and personal suggestions will boost up our moral and enlighten our future path.

It is worth mentioning here as we are also passing through state level administrative reforms which has recently developed. Our institute had an affiliation with Gujarat University, Ahmedabad till the November 2015 and now with GR of Government of Gujarat state dated 16/09/2015 we are now moved to Sardar Patel University (commonly known as SP University), Vallabh Vidya Nagar, District Anand. Though, all current students who enrolled in Gujarat University will remain students of Gujarat University till their final graduation. Students who are going to join the college from 2016-17 will be enrolled in SP University.

**Dr. Vimal Joshi**  
**Principal**

**FROM THE DESK OF PRESIDENT**



**Shri Vrajeshkumar Amrutlal Parikh**

Established in the year 1946 this trust renders Education Services to PETLAD town and nearby 40 some small villages within 6 kilometres radius where there is no other institute offering higher education.

Over years, to meet the challenges of the changing educational pattern, this trust has added various Colleges with varied curriculums.

Serving the need of quality education, to the boys and girl students from hundreds of families from all class and sects including weaker section and environmentally deprived, at an affordable level has remained a prime aim of the trust.

Constant efforts are made to equip our institutions and mould their activities to meet the future demand of the education need.

All the credits for making this mission a success go to the students and their parents from the town and the nearby villages, our dedicated members of staff and a strong co-operation from the people of the neighbouring communities who value EDUCATION.



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## **Executive Summary**

### **1. Curricular planning and implementation:**

The College is affiliated to Gujarat University. The College offers UG courses in Arts and Science faculties while PG courses in Arts faculty. In science faculty graduation courses offered are Physics, Chemistry, and Microbiology. We offer graduation in Gujarati, Economics and Sociology in Arts faculty. The Post graduation programme in Gujarati, Economics and Sociology are available. All these programmes follow semester and CBCS pattern. The students are offered various interdisciplinary papers as an elective, foundation and soft skill subjects. The curriculum prescribed by the university is deliberately executed and enriched by significant curricular activities. Four of our faculty members are associated with BOS and university senate which provides the opportunity to be the part of syllabus designing and academic planning.

The curriculum implementation is done through strategic planning and identifying learners of different paces endowed with remedial coaching. Though there is no significant role of College in curriculum designing, the College has structured curricula of six career oriented programs (COPs). The College is also successfully running study centre of Baba Saheb Ambedkar Open University (BAOU) which caters variety of certificate, under graduate and post graduate courses. The government of Gujarat has established Digital Education and Learning Laboratory (DELL) in the College to facilitate the SCOPE program. To bridge the curriculum with the industry needs, implant the knowledge about industry and to inculcate the skill required for industry, a special Industrial Interface Cell (IIC) is established. The Career and Placement Cell (UDISHA) is a supportive mechanism along with regular curriculum to tap the career opportunities, skill enhancement and personality development of the students.

By the end of the year the feedback from various stake holders and its analysis helps us to improve and modify the educational needs of all the diversified groups and accomplish the appropriateness in catering the needs of the society.

## **2. Teaching-Learning and Evaluation:**

The process of teaching-learning and evaluation is at the core of all the activities of the College. The admission process is transparent and student's counsellors lend a hand with the students. Since our College is in mofussil area, most of the students are from heterogeneous and rural background. The students from the weaker sections of the society are taken care that they should avail equal opportunities. At the same time gender equality, differently-abled students and minority community students are also considered.

There is a student centric approach for teaching-learning process. The remedial coaching for special category and weaker students, personalized study, group study, seminars, research projects are the ways through which the College effectively caters the needs of slow learners and advanced learners.

The College strongly believe to adopt more effective and intensive teaching methodologies to deliver variety of learning experiences. The teaching plan is prepared before the commencement of academic year reflecting various academic and extracurricular activities with time table of examination schedules. All the class rooms are equipped with multimedia projectors and few have internet connectivity. The faculty members are more focussed on e-contents, power point presentations and ICT based teaching. All the departments are provided computers, laptops and internet connectivity. The College library is enriched with large number of text books, reference books, study material, educational CDs and online resources. The College library also offers book bank facility to the students. To induce the scientific temper within the students various projects are given by science faculty departments. The students are also engaged in "Saptdhara"- an initiative taken by Government of Gujarat, for all round development.

Quality teaching in higher education matters for student learning outcomes. The College is fortunate to have highly qualified and well experienced teachers. The recruitments follow the procedures and norms of state government. The teachers are continuously upgraded by attending refresher, orientation courses, seminars, workshops and conferences. For continuous up gradation in pedagogy, use of

technologies, assessment models aligned with student-centred learning is implemented.

The College has successfully implemented the CBCS pattern with semester system opted by Gujarat University since 2011. There is a wide variety of elective, soft skill and foundation courses along with the core courses. The continuous internal evaluation is carried out through classroom seminars, assignments and attendance. The research projects are given to B.Sc. sem-5 & 6 students as an elective course to inculcate research approach.

To establish student's learning outcome, three avenues "content, skills and value" are taken into account. The consecutive six semester results from 2011-12 to 2013-14 shows appreciable and satisfactory outcome. To enhance the social and economical relevance of the students, motivational lectures, seminars, personality development programs through UDISHA are conducted. The students are also encouraged to participate in SCOPE exams, National Graduate Physics Examination (NGPE).

### **3. Research, Consultancy and Extension:**

The College has a research committee to coordinate the research activities. The committee assist the faculty members in preparing research projects proposals and development of research attitude among the students. Two faculty members Principal Dr. V. S. Joshi and Dr. J. A. Chaudhari are recognised Ph.D. guides of various Universities. There are seven registered Ph.D. students under their guideship.

The College provides duty leave and financial support for paper presentations in seminars and conferences. The College immediate releases the funds received from various funding agencies as and when required by the researcher. The management has also positive attitude towards research work. The College library is automated, furnished with research journals and listed under N-List program of INFLIBNET.

The laboratories, equipments, glassware, computers, internet facilities are provided by the College. The B.Sc. Physics students are required to opt for research project as part of their academic work. Few teachers avail minor research projects with the financial assistance of UGC and GUJCOST. The outcome of their research work is published in reputed journals. Some of the faculty members are registered for the Ph.D. degree. The department of Biology has organised one day National conference on “Taxonomy Teaching & Research: The relevance in the National context”.

The eminent scientists and professors are invited to deliver talk to develop research attitude among students and faculty members. Though our College does not offer formal consultancy services, our faculties offer services in their expertise field. The state government project of “Soil Testing” was successfully conducted by our College faculty members and students to provide soil health cards to farmers availing grants of Rs. 14,19,520. This was a revenue generated consultancy project with remarkable accomplishment by the College.

Under the flag of N.C.C. and N.S.S., the College executes its extension activities in the community to have experience based learning and social responsibility among the students. The College promote alliance with government and NGOs to facilitate the academic and extension activities to improve the quality of higher education. The extension activities are jointly organised with Gram Panchayats, Petlad Nagarpalika, Rotary Club, and Indian Red Cross Society. There are no formal MOUs are being set up, but collaborative research work with Department of Physics, Sardar Patel University, V.V.Nagar is being carried out by some of the research students.

#### **4. Infrastructure and Learning Resources:**

The College campus is just 1 Km away from Petlad town and spread in 25 acres of land and a separate playground with large 28,707 sq.mts of area. The construction is like heritage building in ‘E’-shape for “Education” built in 1946. The College building contains 12 classrooms, most of them furnished with multimedia



projectors, central library, Principal's office, administrative office, staff room, ladies room, N.S.S. office, N.C.C. office, central hall, computer centre, DELL, trust office, parking, open air theatre, store room, water room with R.O. plant and cooler facility.

The administrative office has well furnished furniture and equipped with computers, printer, telephone, broadband connectivity and TECHSIS office administrative software. The College interior and exterior are under CCTV surveillance. All the departments are connected with intercom facility.

The central library has occupied 165 sq. mts. of area with seating capacity of 50 students. The library has large number of reference books, text books, journals, periodicals, magazines, desktops with free internet facility for the students. The library is using SOUL software and subscribed to INFLIBNET for online access of various journals. The library committee looks after the needs and development of the library.

The Science laboratories are very spacious and fully furnished with the latest equipments. The Science staff rooms are also provided with computers, laptops, printers, scanners and broadband connectivity.

The College has fairly well physical education section with indoor and outdoor sports facilities for the students. There is a separate playground facility for outdoor games. Excellent facilities for indoors games such as table tennis, wrestling, power lifting, badminton, 4-station multi-gym.

The College has advanced computer centre with 25 computers, printers, scanner, multimedia projector and Wi-Fi broadband connectivity.

The hostel accommodation for boys and girls is available. The boys hostel has capacity of 36 rooms and 13 rooms of girls hostel.

### **5. Student support and progression:**

The goals and objectives of the College are student centric. The College admission procedure is transparent and followed by the University norms. The admission committee publishes admission brochure and looks after the students' counselling

for the freshers. The students are provided with SC, ST, OBC, Bidi Kamdar, E.B.C. and minority scholarships as provided by the state government. Remedial coaching classes are also made available for the reserved category and slow learner students.

The students are encouraged to participate in various seminars, workshops, fieldwork, industrial and educational tours with partial or full financial support. Career and Placement Cell is actively working for the personality development, skill development, guidance for competitive examinations and campus interviews. The English improvement and professional computer training are integral part of academics. The College magazine receives overwhelming response from the students in terms of their active participation.

The College has very active N.S.S. and N.C.C. for boys and girls. They are supported with necessary uniforms, energy food and remuneration. Sports students are dynamically participating in various competitions at University, State and National level competitions. They are also provided such facilities. Academic flexibility is offered to the students participating in extracurricular and extension activities.

The grievances if any are tackled by Grievance Redressal Cell. The Collegiate Women's Development Cell for girl students and Anti ragging cell is also actively involved in students support.

The student progression is closely monitored by the head of the departments. The success rate in university examinations is moderate. The meritorious students are felicitated.

## **6. Governance, Leadership and Management:**

The College is managed by Petlad Education Trust having visionary leaders and providing very efficient governance. The College management is highly structured and providing adequate freedom to the staff. The College has clearly stated vision and mission. The team College is closely working with the management for framing and implementing the goals and objectives.

The strategic planning is efficiently executed by team IQAC, consisting of Management, Principal, faculty members, students, alumni and industry leaders. To implement the plans and policies, various committees are constituted by the Principal. The faculty members are assigned different responsibilities to carry out student activities and monitor overall progress. To groom leadership at the student level, the student's representatives committee (S.R.C.) is also formed.

The College administration is decentralized and different responsibilities and duties are entrusted among faculties. The College activities are students centric and major academic activities are carried out in accordance with the academic calendar announced by Gujarat University. The vision and mission, goals and objectives are communicated to the people by displaying sign boards and College website and TV.

The management has given enough autonomy within the rules for better functioning of the College. The same autonomy is communicated by the Principal to the staff for healthy working environment. The management involves staff members in strategic planning and development at various levels of meetings and welcomes the progressive suggestions. This practice also leads to the sense of accountability and responsibility. The infrastructural and academic developments are implemented through hierarchical internal organizational structure. There is a systematic procedure for grievance management in the College. The student feedbacks are also taken into account for improvement and upgradation.

The fee collection from the students is as per the norms of Gujarat University and audit procedures are conducted by certified Chartered Accountants. The suggestions and decisions from IQAC are timely implemented for holistic growth of the students and the institution.

### **7. Innovations and Best Practices:**

Being the higher education institution, we are highly concerned about our practices which lead to long term impact on local, national and global scenario through various innovative practices.

The College campus is very large with lush green cover. The College regularly organizes awareness programmes addressing environmental issues with the help of N.S.S., N.C.C. and nature club. The energy conservation, hazardous waste and e-waste management are of our major concerns for eco-friendly campus. The pure drinking water is provided through R. O. plant to avoid water born diseases. Academic activities are strengthened by organizing seminars, workshops, remedial coaching, industrial visits, fieldwork, upgradation of laboratories, research activities and extracurricular activities.

Inclusive practices of the College to impart holistic education are inherent in the system. The students belong to every social class and community group. Special attention is given to the weaker sections and representation of women in all aspects to ensure promotion of social justice.

One of the best practices is to “Encourage research activities among the students and faculties”, which has purely academic dimension. The other best practice is to meet the goals of social responsibilities described as “Soil Health Card Programme”.

#### **Encourage research activities among the students and faculties:**

The research committee encourage faculty members to undertake research projects, provide guidance for preparation of research proposals and assist students to carry out research projects. Adequate infrastructure, equipments, computers and internet facilities are provided for research. Five faculty members were registered for Ph.D. degree, 07 minor research projects sanctioned, 66 research papers published and 20 faculty members presented research papers in national and international journals.

#### **Soil Health Card Programme:**

Farming as an activity contributes nearly 1/6<sup>th</sup> of our Gross Domestic Product and a majority of our population is dependent on it for their livelihood. Deteriorating soil health has been a cause of concern and that has been leading to sub optimal utilization of farming resources. Imbalanced use of fertilisers, low addition of organic matter and non-replacement of depleted micro and secondary nutrients

over the years, has resulted in nutrient deficiencies and decrease in soil fertility in some parts of the country.

Soil health needs to be assessed at regular intervals so as to ensure that farmers apply the required nutrients while taking advantages of the nutrients already present in the soil.

State Government has launched a scheme to provide every farmer a Soil Health Card in a Mission mode. The card will carry crop wise recommendations of nutrients/fertilizers required for farms, making it possible for farmers to improve productivity by using appropriate inputs.

Central Government provides assistance to State Governments for setting up Soil Testing Laboratories for issuing Soil Health Cards to farmers. State Government has adopted innovative practices like involvement of agricultural students, NGOs and private sector in soil testing, determining average soil health of villages, etc., to issue Soil Health Cards.

A Soil Health Card is used to assess the current status of soil health and, when used over time, to determine changes in soil health that are affected by land management. A Soil Health Card displays soil health indicators and associated descriptive terms. The indicators are typically based on farmers' practical experience and knowledge of local natural resources. The card lists soil health indicators that can be assessed without the aid of technical or laboratory equipments.

## **Profile of College**



## 1. Profile of the Affiliated / Constituent College

### 1. Name and Address of the College:

Name:	Shri R. K. Parikh Arts and Science College	
Address:	College Campus, Dantali Road	
City: Petlad	Pin: 388 450	State: Gujarat
Website:	www.petladcollege.org	

### 2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. Vimal S. Joshi	O:(02697)252396 R:(02692)229796	09427004861	(02697)252396	vsjoshi69@gmail.com
Steering Committee Coordinator	Mr. Kalpesh Trivedi	O:(02697)252396 R:(02692)232919	09428076677	(02697)252396	krtrivedi1967@gmail.com

### 3. Status of the 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. It is a recognized minority institution?

Yes

☐  
☒

No

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

6. Source of funding;

Government

☐

Grant-in-aid

☒

Self-financing

☐

Any other

☐

7. a. Date of establishment of the college: 16<sup>th</sup> June 1946

b. University to which the college is affiliated / or which governs the college (If it is a constituent college) [See Annexure-A]

Gujarat University, Ahmedabad.

c. Details of the UGC recognition:

Under Section	Date, Month and Year	Remarks (If any)
i. 2 (f)	15-11-1996	---
ii. 12(B)	15-11-1996	---

⇒ [See Annexure-B]

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

➤ Not Applicable

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
---	---	---	---	---

(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, has the College applied for availing the autonomous status?

Yes ☐ No ☒

9. Is the college recognized

a. by UGC as a College with Potential for Excellence (CPE)?

Yes ☐ No ☒

If yes, date of recognition: .....

b. for its performance by any other governmental agency?

Yes ☐ No ☒

If yes, Name of the agency ..... and

Date of recognition: .....

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

Location *	Rural
Campus area in sq. mts.	101171 sq. mts
Built up area in sq. mts.	4304.19 sq. mts

(\* 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

➤ Auditorium with ICT facility. Total seating capacity is 150. The auditorium is utilized for annual day function, musical programs, parents-teacher meeting, alumni meetings, seminars, indoor sports activities, medical check-up camp and live BISAG lectures.

- The open air theatre is also utilized for musical morning, N.C.C. function and felicitation-award ceremonies.

· Sports facilities

* Play ground	:	Yes	01
* Swimming pool	:	No	
* Gymnasium	:	No	

· Hostel

\* Boys' hostel

- i. Number of hostels : 01
- ii. Number of inmates : 46
- iii. Facilities (mention available facilities)

College has comprehensive hostel facilities for the students. The boys' hostel of 978.12 sq. mts has 36 rooms and can accommodate about 72 students. Fully furnished rooms are with necessary furniture with round the clock security. Quality purified water is provided with cooler facility.

\* Girls' hostel

- i. Number of hostels : 01
- ii. Number of inmates : 20
- iii. Facilities (mention available facilities)

The institute provides hostel facility for girls within the campus. There are 13 rooms to accommodate 26 students. Pure drinking water and cooler facilities endowed with 24 hours security.

\* 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)

- There is one hostel rector house.

· Cafeteria — : Yes

There is a college canteen on campus to serve hygienic food and beverages.

- Health centre – : No

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.....

- First aid and on call doctor facility is available for the students. In case of any emergency, 108 ambulance services are available. We have district civil hospital fully equipped along with highly qualified doctors, just one kilometre away.

Health centre staff – : No

Qualified doctor	Full time	<input type="checkbox"/>	Part-time	<input type="checkbox"/>
Qualified Nurse	Full time	<input type="checkbox"/>	Part-time	<input type="checkbox"/>

- Facilities like banking, post office, book shops
  - Yes. Campus store provide the necessary stationery material, Xerox facility and practical journals for the students. Nationalized and major private bank's ATMs are situated in college neighbourhood.
- Transport facilities to cater to the needs of students and staff :
  - The college is situated at the entrance of the Petlad town. So the state transport buses, private buses, auto rickshaws and even railway station are easily accessible for the commuting students.
- Animal house:
  - No. We don't need such facility.
- Biological waste disposal:
  - Yes. We have separate pit for proper disposal of biology and microbiology laboratories waste.
- Generator or other facility for management/regulation of electricity and voltage:
  - The laboratories are equipped with stabilizers. The computer systems are provided with UPS.
- Solid waste management facility:
  - The solid waste is regularly collected from dustbins of the departments and campus and later it is disposed through Petlad municipality.

• Waste water management: Yes

• Water harvesting:

➤ Yes. The rain water is stored in the underground tank for the laboratory usage.

12. Details of programmes offered by the college (Give data for academic year – 2014-15)

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	B.Sc.	3 Years	12 <sup>th</sup> Pass	Gujarati	390	322
		B.A.	3 Years	12 <sup>th</sup> Pass	Gujarati	260	182
2	Post-Graduate	M.A.	2 Years	B.A.	Gujarati	225	139
3	Integrated Programmes PG	---	---	---	---	---	---
4	Ph.D.	---	---	---	---	---	---
5	M.Phil.	---	---	---	---	---	---
6	Ph.D	---	---	---	---	---	---
7	Certificate courses	---	---	---	---	---	---
8	UG Diploma	---	---	---	---	---	---
9	PG Diploma	---	---	---	---	---	---
10	Any Other (specify and provide details)	---	---	---	---	---	---

\* Entry level data provided.

13. Does the college offer self-financed Programmes?

Yes ☐ No ☒

If yes, how many?

College has started a self finance division of B.Sc. Semester-1 by the instruction of Gujarat University to handle the admission crisis in science stream due to higher pass out of the students in year 2014-15.

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.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	Physics, Chemistry, Microbiology, Botany, Mathematics	05	---	---
Arts	Gujarati, Sociology, Economics, Psychology, Sanskrit	05	03	---
Commerce	---	---	---	---
Any Other (Specify)	---	---	---	---

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

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)

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)..... (dd/mm/yyyy)  
and number of batches that completed the programme.

b. NCTE recognition details (if applicable) :

Notification No.: ..... Date: ..... (dd/mm/yyyy)

Validity:.....

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,

a. Year of Introduction of the programme(s)..... (dd/mm/yyyy) and number of batches that completed the programme

b. NCTE recognition details (if applicable)

Notification No.: .....

Date: ..... (dd/mm/yyyy) Validity:.....

c. 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				
<del>Sanctioned by the UGC / University / State Government Recruited</del>	01\$	0	15	0	01#	0	01	0	05	0
Yet to recruit	0	0	0	0	12		0	0	0	0
Sanctioned by the Management/ society or other authorized bodies Recruited					05	05				
Yet to recruit					02					

\*M-Male \*F-Female

⇒ Others : Part time : 02 (M) and 01 (F)

⇒ # - Adhyapak Sahayak

⇒ \$ - Principal

## 21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent teachers</b>							
D.Sc./D.Litt.	---	---	---	---	---	---	---
Ph.D.	01	---	07	00	---	---	08
M.Phil.	---	---	---	---	---	---	---
PG	---	---	08	00	---	---	08
<b>Temporary teachers/Adhyapak Sahayak *</b>							
D.Sc./D.Litt.	---	---	---	---	---	---	---
Ph.D.	---	---	---	---	01*	---	01*
M.Phil.	---	---	---	---	---	---	---
PG	---	---	---	---	---	---	---
<b>Part-time teachers</b>							
D.Sc./D.Litt.	---	---	---	---	---	---	---
Ph.D.	---	---	---	---	01	---	01
M.Phil.	---	---	---	---	---	01	01
PG	---	---	---	---	01	---	01

## 22. Number of Visiting Faculty /Guest Faculty engaged with the College.

17

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

Categories	2010-11		2011-12		2012-13		2013-14		2014-15	
	M	F	M	F	M	F	M	F	M	F
SC	26	50	33	53	53	76	66	82	53	85
ST	---	---	03	01	07	05	07	05	20	18
OBC	66	86	70	104	107	127	206	128	220	182
Physically Challenged	01	02	03	01	03	01	02	02	02	02
General	244	331	291	271	328	315	490	367	541	309
<b>TOTAL</b>	<b>806</b>		<b>830</b>		<b>1022</b>		<b>1355</b>		<b>1432</b>	

24. Details on students enrolment in the college during the current academic year:  
(2014-15)

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	1159	273	---	---	1432
Students from other states of India	---	---	---	---	---
NRI students	---	---	---	---	---
Foreign students	---	---	---	---	---
Total					

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

UG 7.75%

PG 2.25%

26. Unit Cost of Education (2013-14)

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

(a) including the salary component

Rs. 30,597.95

(b) excluding the salary component

Rs. 1695.34

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.

Dr. Babasaheb Ambedkar Open University, Ahmedabad.

c) Number of programmes offered

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

Yes ☒ No ☐

28. Provide Teacher-student ratio for each of the programme/course offered

UG : 1 : 58 (20 : 1159)

PG : 1 : 46 (06 : 273)

29. Is the college applying for

Accreditation: Cycle 1 ☐ Cycle 2 ☒ Cycle 3 ☐ Cycle 4 ☐

Re-Assessment: ☐

*(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re- accreditation)*

30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: 31/03/2007 Accreditation Outcome/Result : 'B' Grade

\* Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.

[See Annexure – C, D & E ]

31. Number of working days during the last academic year.

209

32. Number of teaching days during the last academic year

*(Teaching days means days on which lectures were engaged excluding the examination days)*

185

33. Date of establishment of Internal Quality Assurance Cell (IQAC):

15/06/2007

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (2010-2011) : 20/04/2012

AQAR (2011-2012) : 01/10/2012

AQAR (2012-2013) : 04/12/2014

AQAR (2013-2014) : 04/12/2014

AQAR (2014-2015) : 15/07/2015

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

## **Criteria wise Inputs**

### **Criterion – I Curricular Aspects**

*“Inculcate strong fundamentals: make subjects enjoyable”*

## 2. Criteria - wise Inputs

### CRITERION I: CURRICULAR ASPECTS

#### 1.1 Curriculum Planning and 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 offer knowledge based, career oriented education in various disciplines and build better citizens for tomorrow.

##### Mission:

- To groom a student in areas of his/her career of interest and impart necessary competence to make one successful in professional career.
- To develop a conducive and rich infrastructure with modern and adequate facilities for academic, co-curricular and overall development of students and staff.
- To contribute to the development of the society with due focus on local economy.
- To bring continuous improvement in performance on basis of the feedback from all the stake holders (Students, Parents, Faculty, Management, Employers, concerned authorities).

##### The goals and objectives:

- To impart best quality education and facilitate all-round development of the students in the region of rural area.
- To facilitate all round development of students and to inculcate basic values.
- To assist the students to tap career opportunities suiting to their goals.
- To offer the opportunities and facilities to students irrespective of their financial or social background status.



- To update the competence of staff as per the needs of time.
- To develop modern infrastructure.
- To set system based and person independent administrative system.
- To contribute to the growth and well being of the society.

**The vision and mission are communicated to the different stakeholders by different means:**

**To the students:**

- ✓ College Prospectus [See Annexure-1-A]
- ✓ College Web-site.
- ✓ Display during the program of “Praveshotsava”.
- ✓ Display boards at easily accessible places in the college premises, classrooms, lobby, Ladies room, College Central Hall, Administrative office etc.
- ✓ College Annual Report.
- ✓ Academic Calendar displayed on the notice board.

**To faculty:**

In addition to above, the same can be communicated to the faculties as follows:

- ✓ During meeting called by Principal on First day and Last day of the semester.
- ✓ Display board placed in the staff room.
- ✓ Faculty / Departmental meetings as and when possible.
- ✓ Display during Faculty Training programmes.

**To Community and Other Stakeholders:**

- ✓ College website.
- ✓ During informal interactions and meetings.
- ✓ Meetings with alumni and parents.

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).

Effective implementation of curriculum developed and prescribed by the affiliating university is the sole academic responsibility of the College as it is a core activity for College.

The College prepares an academic calendar which includes planning of admission process, enrolment process, academic activities (like lecture hours, seminars, workshops, academic industrial tours, unit test and internal test) and extension activities at the commencement of academic year. A time table is set by the time table committee at the beginning of the academic year which fulfils the prescribed number of hours for each subject. The syllabi are distributed on the basis of interest and expertise of the teacher by HODs.

- New books are purchased for the respective syllabi.
- All the faculty members plan their classroom teaching in advance for their own subject.
- The faculty members provide lecture notes and circulate relevant study material among the students. This facilitates students for their academic preparation.
- Book bank facility at college central library is very useful to the students of science stream.
- Practice of assignment work motivates the students to refer various reference books and use internet facility to acquire knowledge.
- The college website has web link of Gujarat University to search out latest syllabi as well as university examination papers which makes the student updated.
- One internal assessment of mid-semester examination is conducted for each CBCS semester and it is mandatory for the students to appear and successfully pass it.

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?

### **Procedural Support:**

- The Act of Gujarat University provides the procedure for designing and developing curriculum for all prescribed courses and programmes run by it.
- According to the procedure, the curricula of different subjects are developed by the Gujarat University through Board of the Studies (BoS) for the respective subjects. Two of our faculties are member of BoS.

### **Practical Support:**

#### **⇒ Participation in Training Programs:**

- College Faculty members are motivated to attend the faculty Development Programs organised by Knowledge Consortium of Gujarat (K.C.G.) and other Institutes.
- The teachers are actively participating in various programs like refresher course, orientation course, short term course, seminar and workshop for the enrichment of subjective knowledge.
- Departments are free to organize the Expert Lectures by inviting guest faculty.

#### **⇒ Infrastructural Facilities:**

- The teachers are using the ICT facility available in most of the classrooms for improving their teaching practices.
- Apart from using ICT based teaching the faculty also uses educational CDs/DVDs, models, charts, audio-visual aids to effectively translate the curriculum.
- Free internet access is available for the faculty members.
- ICT enabled Digital Education and Learning Laboratory.

#### **⇒ Library Resources:**

- Text books, reference books, e-learning facility (eg. INFLIBNET) is available for teachers at institution's library.
- Moreover, the faculty members also avail such facilities like computers,

internet, photocopying, printing, scanning etc. available in the department/college.

- The college provides library budget to purchase reference books and also provides funds for miscellaneous expenses.

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 teaching programs are planned well in advance.
- Commencement of classes on time and periodic unit test are effective in implementation of the curriculum.
- Faculty members are provided the Computers and Internet access to keep them updated in their own subjects.
- Two faculty members Mr. K. R. Trivedi and Mr. B. D. Joshi are members of Board of Studies in Physics and Microbiology respectively, so their academic inputs have gone a long way in the restructuring of the syllabi.
- The CBCS-Semester system has been introduced from the academic year 2011-12.
- Industrial visits are arranged by the various departments to impart practical knowledge to the students.
- Industry Interface Cell regularly invites professionals from relevant industries to interact with the students. They gave their valuable inputs in the latest trends in management, human resources, marketing, operational areas, etc.
- Students are motivated to actively participate in seminars, workshops, and quiz for knowledge enrichment.

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 members of board of studies remain in constant touch with the University for Effective Operationalization of the curriculum.

- Professors from the University Departments and faculty members from other colleges are invited for guest Lectures, workshops.
- Participation of Faculty members in various seminars, workshops and conferences inculcate them the capability for curriculum development and its effective delivery.
- Industrial visits are made by the various departments regularly to impart experimental knowledge to the students.
- Industry Interface Cell, Career and Placement Cell regularly organize lectures from leading professionals from relevant industries and their suggestion for curriculum designing are conveyed to academic council of university through the members of board of studies.
- Students are motivated to participate in debate, quiz, essay writing, seminars, workshops and poster paper presentation for their educational improvements.
- Our research students work with the other institutes on written request of our College. The research students of Dr. V. S. Joshi are currently working at Department of Physics, Sardar Patel University, V. V. Nagar.
- Our third year Physics students undergo for research project work and the samples are being sent to SICART, S. P. University, V. V. Nagar for precise and critical analysis.

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.

The following faculty members are representing in the Board of Studies, Gujarat University, Ahmedabad.

1. Mr. K.R.Trivedi – Department of Physics

2. Mr. B.D. Joshi – Department of Microbiology

- They gave their valuable suggestions to improve the quality of syllabus by including the current trends in the syllabus.

- The syllabus related suggestions are collected from the teachers and students and communicated to the Board of Studies for due action.
- Two faculties are senate members as well as members of faculty of Science who convey suggestions in the board meetings and senate meetings during the development of the curriculum.
- Teachers communicate student's perceptions regarding curriculum development through HoDs to the BoS.

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 + Assessment', design, development and planning) and the courses for which the curriculum has been developed.

- Our College is affiliated to the Gujarat University, so we do not have autonomy to design courses independently. The curriculum is designed and developed by the members of the Board of Studies of Gujarat University.
- Though the College has designed the curriculum for six Career Oriented Programmes (COP) recognized by UGC and Gujarat University. Each of the programme curriculum was designed by the concerning department. These programmes were designed according to the guidelines of UGC for COPs.

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

- To create and nurture a motivating learning environment the classrooms are furnished with multimedia projectors and internet facility which ensures a globally relevant education.
- The students of Physics are also encouraged to gain experimental knowledge through electronics projects. The third year Physics students are provided with advanced level research facility for crystal growth as an elective subject.
- To build and reward excellence in the curricular and extracurricular area the institute offer various incentive to sports, N.S.S. and N.C.C. students. This makes them go all-out for excellence and boost the competence level.

- To explore and unleash the global industrial trends the industrial visits, educational trips and lectures of eminent scientists, researchers and industrialists are organized.
- To induce and adorn the highest qualities of character and moral fiber building the personality development programmes are organized under the umbrella of Career and Counselling Cell acronymic as UDISHA (Universal Development of Integrated employability Skills through Higher Education Agencies).
- To meet the challenges of demand and scope for professionally trained graduates, the skill oriented and value added six career oriented programs are introduced with financial assistance of UGC.

## 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 College offered following COP course during 2007 to 2012.

S. No.	Department	Course
1	Computer Science	Web page designing and Printing Technology
2	Computer Science	Computer Application and Programming
3	Physics	Refrigeration
4	Sociology	Applied sociology
5	Mathematics	Tourism
6	Biology	Seed Technology

- Our College also runs several courses offered by Baba Saheb Ambedkar Open University.

No.	PROGRAM Name		Duration
1	Bachelor's Preparatory Programme (BPP)		6 Months
2	Bachelor's in Commerce (B. Com.)		3 Years
3	Bachelor's in Arts (B.A)	<ul style="list-style-type: none"> <li>Gujarati</li> <li>Hindi</li> <li>English</li> <li>Sanskrit</li> <li>Economics</li> <li>History</li> <li>Public Administration</li> <li>Psychology</li> <li>Political Science</li> <li>Sociology</li> </ul>	
4	<b>Master Degree</b>		2 years
	Master of Arts (MA)	<ul style="list-style-type: none"> <li>Gujarati (MGT)</li> <li>Sociology (MSO)</li> </ul>	
5	<b>Diploma Courses</b>		1 Years
	Diploma in Finance Management (DFM)		
	Diploma in Creative Writing in Hindi (DCH)		
	Diploma in Advance Cost Accounting(DACA)		
	Diploma in Advance Accounting (DAA)		
	Diploma in Insurance (DIN)		
6	<b>Certificate Courses</b>		6 Months
	Certificate in Food and Nutrition (CFN)		
	Certificate in Environmental Studies (CES).		
	Certificate in Tourism Studies (CTS)		
	Certificate in Tourism Marketing (CTM)		
	Certificate in Tourism Management (CMT)		
	Certificate in Communication skills in English level - I (CCSE)		
	Certificate in Environment (CEA)		
	Certificate in Dr. Baba saheb Ambedkar Life and thoughts (CALT)		
	Certificate in Angenwadi karyakerta (CCAW)		
	Certificate in Child Care and Development (CCCD)		
	Certificate in Computing (CIC)		
	Certificate in Personal Computer Software(CPCS)		
	Certificate in Computer Concept (CCC-BAOU)		



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

- As the College is an affiliated college, we have to follow the pattern of the University Degree Programme.
- Gujarat University does not offer the twinning/dual degree programs. Therefore College does not have facility to run such programs.
- Nevertheless, we have recognized study centre of Dr. Babasaheb Ambedkar Open University. Students of our College may opt such courses externally and receive dual degree if he/she wish.

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. Issues may cover the following and beyond:

- As per CBCS stipulations of Gujarat University, Science stream students who opt for three years degree programme must opt three core subjects along with an elective course (for B.Sc. and BA)/soft skill course (for BA) and a foundation course throughout Sem-I to Sem-IV.
- In Sem-V and VI, the students are offered one core course and one subject elective course.
- Along with all the core courses, English is offered as a foundation course in all the semesters.
- As per the UGC Guidelines students have to opt for one paper on Environmental Studies as an elective course for science stream and foundation course in Arts stream for all students of second semester.
- Computer Science is offered as a subsidiary subject in Arts stream as well as elective in science stream.
- The University continues to follow the annual system of examination till 14th June 2015.

- Range of Core / Elective options offered by the University and those opted by the College :

The College has adopted CBCS and semester system as per the norms of Gujarat University. The Core/elective options offered by Gujarat University are stated below;

### Science Faculty

#### Core Courses:

##### **Group – A**

1	2	3	4	5	6	7	8
Physics	Physics	Physics	Physics	Physics	Physics	Physics	Physics
Maths	Maths	Geology	Maths	Maths	Env. Sci.	Electronics	Statistics
Chemistry	Statistics	Chemistry	Computer Science	Electronics	Chemistry	Chemistry	Chemistry

##### **Group - B**

1	2	3	4	5	6
Physics	Physics	Physics	Physics	Physics	Physics
Geology	Env. Sci.	Microbiology	Botany	Zoology	Biochemistry
Chemistry	Chemistry	Chemistry	Chemistry	Chemistry	Chemistry

7	8	9	10	11	12
Microbiology	Microbiology	Microbiology	Botany	Biochemistry	Biochemistry
Botany	Zoology	Biotechnology	Zoology	Botany	Zoology
Chemistry	Chemistry	Chemistry	Chemistry	Chemistry	Chemistry

#### Elective Courses:

1. Forensic Science
2. Public Health
3. Yoga
4. Clinical Research
5. Environment Studies
6. Nutrition and Dietetics
7. Food and Adulteration
8. Philosophy of Science
9. Structure and Growth of Scientific Knowledge
10. DNA : the Molecule of Life

11. Bio-Diversity
12. Disaster Management
14. History of Science in India and World
15. Carbon Credit
16. Natural Resource Management
17. Clean Development Mechanism
18. Nano Technology
19. Climate Change
20. Science and Society
21. Philosophy, Science and Religion
22. Bioinformatics
23. Mathematical Basics & Quantitative Skills
24. Basic Computer and its Applications

**Arts Faculty**  
**Core and Core Electives Courses (CC and SE I)**

Economics	English	Gujarati
Hindi	Home Science	Psychology
Sanskrit	Sociology	Political Science
Statistics	History	Philosophy
Geography	Indian Culture	Mathematics

**Subject Elective I and Subject Elective II**

Economics	English	Gujarati	Hindi
Home Science	Psychology	Sanskrit	Sociology
Political Science	Statistics	History	Philosophy
Geography	Indian Culture	Maths	Urdu
Persian	Prakrit	Islamic Culture	Computer Application
Computer methods	Defence Studies	Functional Hindi	Functional English
French	Physical Education		

- Choice Based Credit System and range of subject options :

⇒ [See Annexure : 1-B]

- Courses offered in modular form :

➤ College does not offer any course in the modular form.

▪ Credit transfer and accumulation facility :

- According to Ordinance, **O. B.A. 22 and O. B.Sc. 22. Transfer of Credits** of Gujarat University, the college offers credit transfer and accumulation facility to students of B.A. and B.Sc. programs respectively.
- In case of Elective courses / soft skill courses, Students are permitted to transfer their course credits from Centre for Distance Education (CDE) of any University to Regular Stream and vice-versa. Similarly, they are also permitted to transfer their course credits from other state or central universities after verification of eligibility criteria.

▪ Lateral and vertical mobility within and across programmes and courses

- When the students decide the selection of combination of subjects, generally he/she does not allow such lateral or vertical mobility within and across programs and courses.
- Though on the commencement of the third semester the students are allowed to change the core/elective subjects on the basis of the combination of subjects he selected in the semester I and Semester II.

▪ Enrichment courses

- College does not have affiliation from Gujarat University to run such type of programs.
- Though according to our Vision, Mission and Goals; for overall development of the students; College offers some of the short term courses during the vacation and/or beyond college hours. Expenditures to run such courses/programs are borne by Petlad Education Trust for the overall development of the students.
- Such courses are Basic computer and internet, Computer based accounting, English improvement course, Beauty parlor course, Mehendi classes, Agarbatti making, Soft toys making, Rakhi making, Waste to best, Driving training, Mobile repairing.

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.

The college does not offer any self-financed programmes for students.

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

The college provides additional skill oriented programmes like COP and SCOPE.

**COP (Career Oriented Programs):**

To meet the challenges of demand and scope for professionally trained graduates, the skill oriented and value added six career oriented programs are introduced with financial assistance of UGC.

**SCOPE (Society for Creation of Opportunity through Proficiency in English):**

It is an Initiative by Department of Higher Education, Govt. of Gujarat to improve the English language skills of students to increase their employability. The Government has a MoU with University of Cambridge, U.K. to conduct the test of English language for a nominal fee. This institute is a SCOPE center with 25 computers and English language software and 512kbps internet connection speed. Till date more than 2415 students have appeared in the SCOPE test.

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, university provides flexibility to students to opt for distance learning programs. Our college offers and motivates regular students to join BAOU courses.

### 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?

The College being affiliated to the university, we have to follow the curriculum designed by our university. To integrate the curriculum of academic programmes with institution's goals and Objectives College has made following efforts.

To integrate with the present curriculum with a view to induce skill-based learning among students and make them more employable, the institution offered six COPs during year 2007 to 2012 with the financial assistance from UGC to meet our institutions goals.

The courses are as under:

1. Applied sociology
  2. Web page designing and printing technology
  3. Tourism
  4. Refrigeration
  5. Seed-technology
  6. Computer programming and application
- To assist the students to tap career, we have started SCOPE training centre.
  - The College curricula have been adopted in such a way that students also learn some of the courses as soft skills and foundation courses. These courses are mentioned in the following table.

Sr. No.	B.A.	Foundation Course	Soft Skill Course
1	Sem-1	Bhartiya Sabhyata	Indian Culture & Heritage
2	Sem-2	Environmental Science	Sports and Practices
3	Sem-3	Travel & Tourism	Travel & Tourism
4	Sem-4	Basic Computer Application	Structure of Indian Society
5	Sem-5	Gandhian Philosophy	Child Counseling
6	Sem-6	Fundamental Rights & Duties	Journalism

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

⇒ Feedback of Final year Students is taken every year at the end of term, as well as interacting with students regarding curriculum is considered for the future redesigning of the curriculum. As cited earlier, our institute has a highly experienced faculty, two members nominated at Gujarat University Faculty of Science as well as Member of the Gujarat University Court (Senate) and two faculties are nominated as members of Board of Studies convey the feelings of students and teachers to the chairperson of Board of studies and the competent authorities of the University.

⇒ College actively runs “Industries Interface Cell” (I.I.C.) under the leadership of Dr. Vijay Patel. I.I.C. works independently but equally footing with the Career and Placement Cell (UDISHA).

⇒ The objectives of IIC are as follows:

- To implant knowledge about the industries: Products, Processes, Plant equipment, etc.
- To learn about the human resource requirements of Industries and to cross map those to the skill-set of our passing out students.
- To create awareness about the essential skills required in the industries
- To pursue due efforts to inculcate the skills required in Industries.

After graduation students get employed in nearby industries, opt for self employment or go for higher studies.

⇒ Students of Semester V and VI of Physics Subject are inspired for small scale research projects related to the curriculum, which enhanced students learning capability as well as motivate research goal.

⇒ The teachers have adopted technology-based teaching by using multi-media, internet, audio-visual teaching aids in their teaching learning process for the benefit of the students’ effective learning. The students are also encouraged to use these tools for seminar presentations.

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?

To address the issues such as gender, climate change, environment education, human rights, ICT etc., the institution has encouraged students and faculties to participate in seminars, workshops, field visits. The structure of elective and foundation courses also focused on such issues.

⇒ **Gender:**

As per norms of Gujarat University the college has established “Collegiate Women’s Development Cell” (C.W.D.C.) to tackle any issue concern to girl students. CWDC organizes the programmes for orientation of girl students. The members of CWDC promptly resolves the issue if arise. The girls are also motivated for self development and self defence.

The C.W.D.C. organized some awareness programs for Gender sensitization such as women empowerment programme, Role and scope of women in the uplifting of the society and building a nation. To improve the social environment awareness rallies are organized.

Our N.S.S. Unit creates awareness by organizing guest lectures on the subject on female feticide “Save the Girl Child”- Beti Bachao campaign.

⇒ **Environment Education:**

The subject “Environmental Studies” is introduced as an elective subject in the University syllabus. The College organizes activities such as celebrating world environment day, Earth hour, save bird campaign, tree plantation and Ozone day to create awareness among the students.

⇒ **Climate Change:**

The college organizes seminar for the students on global warming, intense heat waves, air pollution, water pollution, and Ecology.

⇒ **ICT Introduction:**

The college has well established Computer lab as well as DELL with over 45 computers enabled with broadband internet facility.



Majority classrooms are equipped with multimedia projectors and internet access.

The students make maximum use of the computers in their project and studies.

The library has the SOUL (Software for University Libraries) software which is for library automation.

⇒ **Human Rights:**

Anti-ragging Cell and Grievance Redressal Cell is actively headed by Dr. U. N. Patel to attend and resolve any issue arises.

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

Our College motivates students towards co-curricular activities like NSS, NCC, Sports, Nature club, UDISHA-the online employment portal of government of Gujarat.

All these activities help to shape the students' personality and help them to acclimatize in the community.

⇒ **Moral and Ethical Values:**

The holistic development of the student remains at the root of its foundation, our college schedule starts with prayers.

We have also made available a collection of books and CDs of Swami Shri Sacchidanandji to inculcate moral and ethical values.

⇒ **Employable and Life Skill:**

- Personality development programmes, B.Sc. Sem5 physics students' research project, participation in various competitions at collegiate, inter-collegiate, inter-University, State and National level, participation of students in seminars, field visits industrial visit, educational tours, sports events ensure the self development of the students along with classroom learning.

- Our College runs “Career and placement Cell (UDISHA)” to assist students and provide individuals and groups with career opportunities by organizing different programs as well as personal, social and educational counseling.
- Cell arranges interviews, counseling sessions, and interest and aptitude assessment tests to evaluate student’s skills for their bright feature.
- Cell provides the platform to the students for development in their job search skills and assists them in locating and applying jobs.
- Students of Nature Club are actively engaged in bird rescue during Makarsankranti.
- Some of our N.S.S. students participate in National Polio Eradication Mission.

⇒ **Better Career Option:**

For better career option college offers six career oriented programmes and career counseling center for bright career of the students. Please see 1.3.1

⇒ **Community Orientation:**

- The College runs Remedial classes for SC, ST, OBC and minority community students with the financial assistance of UGC.
- The College provides scholarships, book bank facilities, placement and career counseling. Thus, we have inclusive policy to accommodate the disadvantaged students.
- Our College also runs IIC which serves as a bridge between institute and industry to explore industries and job opportunities.
- Both of the national festivals are celebrated by the institute.
- Our College has two active N.S.S. units and a N.C.C. platoon of dynamic students ready to serve community and national duties.
- Our College regularly organizes thalassemia check up and health check up camps along with “Krupa” health card for freshers which cover health insurance up to Rs. 5000.

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

- The feedback from the last semester students is received and analyzed by two IQAC members, Dr. U. H. Vyas and Mr. K. R. Trivedi, for the enrichment of curriculum.
- Feedback regarding curriculum is communicated to the University for appropriate action through faculty members who are part of the Board of studies.
- On the demand of students, College has created research facilities for the students of semester-5 and semester-6 and also developed Electronics Project laboratory for the interested students in Physics department..
- After receiving informal feedback from our alumni, an English Language Laboratory with high speed internet facility with a view to address the growing need of students in learning English Language through computer and internet was established.
- The informal feedbacks received from community drive us for six career oriented courses and short term soft skill development courses during vacation.

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

The quality of the enrichment programs or activities organized by the college is monitored and evaluated by the response and participation of the college students. Feedback from the students is collected in which the students' responses are obtained and the same are analyzed by IQAC members. Students also personally suggest regarding the activities or programs to organize.

## **1.4 Feedback System**

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

College is enough fortunate to have its following mentioned representation in the Board of the Studies, Faculty of Science and University Court, Because of this, college faculty members can contribute in the development of new curriculum and also provide suggestions collected through different feedbacks.

Sr. No.	Faculty Member	Subject	Position held
1	Prin. Dr. Vimal Joshi	Physics	Senate & Faculty of Science
2	Dr. Vijay Patel	Chemistry	Senate & Faculty of Science
3	Mr. Kalpesh Trivedi	Physics	B.O.S.
4	Mr. Baldev Joshi	Microbiology	B.O.S.

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?

Yes. The syllabus related feedback and suggestions are collected from the teachers and students and communicated to the Board of Studies to implement. As stated earlier, industry and expert opinion are also considered at the time of preparation of the syllabus.

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?)

Though we have not formally introduced new programmes but, we have launched various elective, soft skill and foundation courses approved by Gujarat University in Arts and Science faculties. We are also running short term courses under UDISHA.

Any other relevant information regarding curricular aspects which the college would like to include.

## **Criterion – II**

### **Teaching – Learning and Evaluation**

*“Continuous skill upgradation of faculty  
as a learning and self evaluation  
resource, exposure to industry”*

## CRITERION II: TEACHING - LEARNING AND EVALUATION

### 2.1 Student Enrollment and Profile

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

The college ensures wide publicity in the Admission process through

- Prospectus.
- Institutional website.
- Advertisement in newspapers (local newspapers like '*Aage Kadam, Maha Gujarat* etc.)
- Admission information brochures are circulated in community/schools.
- There is absolute transparency in the admission process. There is a central admission committee that attends admission related inquiry.
- ⇒ Admissions are given on the following basis:
  - As per admission norms of Gujarat University and reservation policy for admission of Government of Gujarat.
  - Marks obtained by the students in XII standard.
  - Number of attempts by the student.

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 process of admission is conducted by the admission committee comprising of faculty and office staff; it works under the chairmanship of the Principal. The transparency is maintained regarding the courses etc., and for admission to UG programmes. The college adheres to the rules and regulations of State Government in admission to all the candidates of all categories.

- The admission process is conducted by admission committee headed by Principal. Admission given to the students who have passed their higher secondary (10+2 board) examinations in General stream & Science stream.

The admissions in UG Arts and Science are given on first come first serve basis.

- PG courses: All students of Arts faculty are given opportunities, adhering to Gujarat University norms and procedure.
- The reservation policy of the Government of Gujarat is adopted to ensure equity at all.
- Both genders are given equal opportunities.

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.

Particulars of marks in admission in June/July 2013-2014.

Sr. No.	Programme	PETLAD		BHADRAN	
		Min	Max	Min	Max
1	UG B.A.	36%	80%	36%	62%
2	UG B.Sc.	36%	71.5%	36%	70%
3	PG M. A.	36%	84.8%	NA	NA

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?

Yes. Annual review of admission process is exercised by admission committee.

There is a mechanism in the institution for reviewing the admission process and the student's profile annually. The committee has pointed out that admission process is entirely transparent and the students of rural area having poorer academic profile are admitted in the College. Subsequently the entry level minimum percentage is low down. Such exercise helps us for academic upliftment of the students. The committee also discusses the allotment of various subjects of choice based credit system to offer students next year.

The committee looks after the admissions of the student from the weaker section of society as they should avail an equal opportunity of education. The committee also ensures the optimum benefits to the student from these sections.

The committee monitors the admission process keeping in mind the objective of providing maximum opportunity to the students from the rural background.

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.

⇒ **Students from disadvantaged community:**

As per the existing government rules, reservation is provided to the students of SC category-7%, ST category-14%, OBC 27%. These students avail government scholarships. The OBC girl child receives state government scholarships.

⇒ **Women:**

As a State Government policy, equal opportunity is given to girl students and the tuition fees are waived.

⇒ **Differently-abled:**

As per the state policy, 2% reservation and other facilities are provided to the physically challenged students.

⇒ **Economically-weaker sections:**

Students from economically weaker sections get benefits of fee concession and scholarship on producing documents (Creamy layer certificate etc.) from competent authorities.

⇒ **Sports personnel:**

At the time of admission to semester-I, due importance is given to the students with excellent sports past records. Based on such past records they are encouraged to join sports events of the college.

⇒ **Minority community:**

The minority community students also avail central government scholarships.



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.

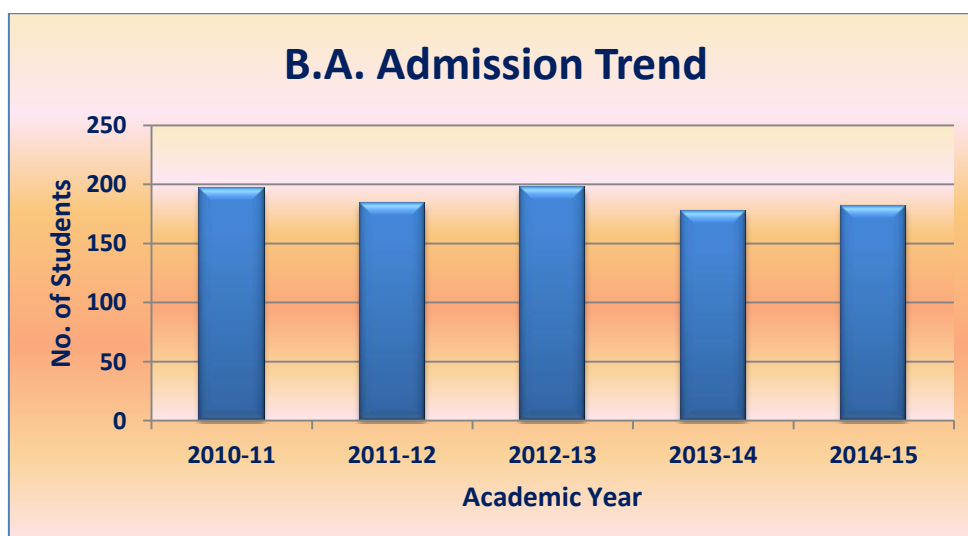
Programmes 2010-11	Number of applications	Number of students admitted	Demand Ratio
<b>UG</b>			
B.A.	196	196	1:1
B.Sc.	121	121	1:1
<b>PG</b>			
M.A.	71	71	1:1
<b>Certificate COP</b>			
Applied Sociology	06	06	1:1
Tourism	13	13	1:1
Web Peg Designing & Printing Technology	22	22	1:1
Refrigeration	05	05	1:1
Seed Technology	07	07	1:1
Computer Programming & Application.	15	15	1:1

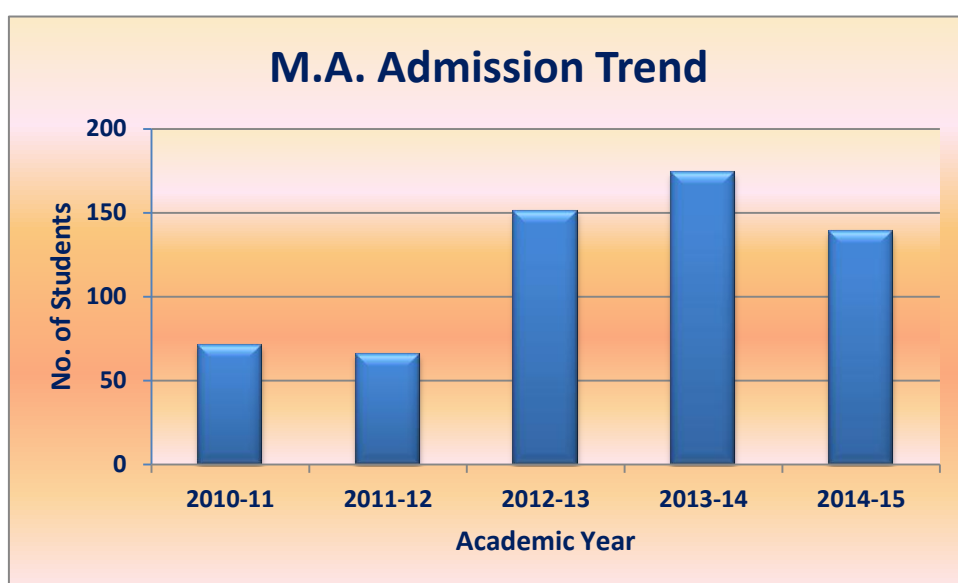
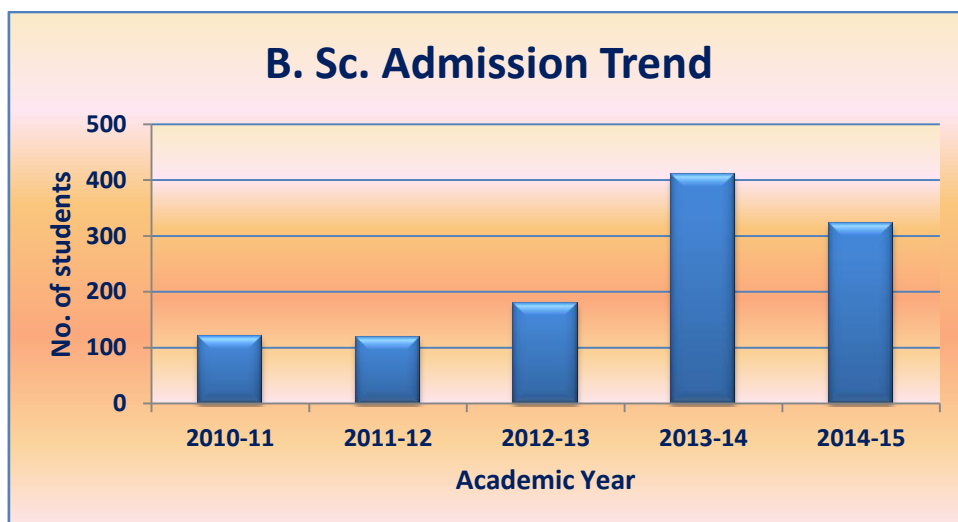
Programmes 2011-12	Number of applications	Number of students admitted	Demand Ratio
<b>UG</b>			
B.A.	184	184	1:1
B.Sc.	118	118	1:1
<b>PG</b>			
M. A.	66	66	1:1
<b>Certificate COP</b>			
Applied Sociology	06	06	1:1
Tourism	07	07	1:1
Web Peg Designing & Printing Technology	14	14	1:1
Refrigeration	05	05	1:1
Seed Technology	05	05	1:1
Computer Programming & Application.	20	20	1:1

Programmes 2012-13	Number of applications	Number of students admitted	Demand Ratio
<b>UG</b>			
B.A.	198	198	1:1
B.Sc.	180	180	1:1
<b>PG</b>			
M. A.	151	151	1:1

Programmes 2013-14	Number of applications	Number of students admitted	Demand Ratio
<b>UG</b>			
B.A.	178	178	1:1
B.Sc.	410	410	1:1
<b>PG</b>			
M. A.	174	174	1:1

Programmes 2014-15	Number of applications	Number of students admitted	Demand Ratio
<b>UG</b>			
B.A.	182	182	1:1
B.Sc.	322	322	1:1
<b>PG</b>			
M. A.	139	139	1:1





The student enrollment in Arts faculty is almost stable in last four years. Whereas in Science faculty the student inflow has been boosted because of higher numbers of candidates are opting science stream in schools. In PG also, the student's intake has been found appreciable rise during last two years because of non-availability of post graduation facilities in neighboring Colleges.

## 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?

- There is provision of access ramp for physically challenged students.
- Differently-abled students are allotted their seating arrangement at the ground floor class rooms during examinations.

- To facilitate the movement of the physically handicapped students with ease, NSS/NCC volunteer student's helps them.
- During the examination period scribes / professional writer authorized by the university authorities are provided as and when needed.

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.

We do not have such mechanism to assess the students at the time of admission. As we give admission purely based on their last exam passed and as per the government and university admission norms/policies.

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

- At the entry level, most of the students studied their subjects in regional language (Gujarati). So in the beginning especially English teachers adopt a bilingual approach to acclimatize students to the class room environment in such a way that they cope with English language. More over to solve this gap between the languages with the help of Government of Gujarat, our institute has been able to establish Digital Education and Learning Laboratory (DELL). Students are encouraged to appear for SCOPE exams which are carried out by DELL.
- To gain additional skill development along with their routine courses, students are offered any one career oriented program (COP) which was supported by UGC scheme.
- Weaker students in particular subjects are identified during class room teaching by subject teachers and such students are encouraged to attend Remedial Lectures.

- Gujarat University has introduced CBCS system in which foundation and soft skill courses offered help the student community to learn additional skill based courses.
- To create industry-education bridge, the students are engaged in industrial visits and more emphasis on experiments and projects base teaching is implemented.
- College offers additional computer related courses free of cost.

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

- The college has initiated gender sensitization through Collegiate Women's Development Cell (C.W.D.C.) by arranging expert guest lecturers time to time. A lady faculty member act as a mentor for all girl students, if any issue arises especially for girls, mentor and C.W.D.C. members extend help to them.
- The inclusiveness amongst students is created by offering them NSS, NCC and sports activities. Inclusive sensitization obtained through participation in classroom students seminars, submitting subjects projects, encouraging various cultural activities under the '*Saptdhara*' activities. The students from diverse socio-economic sections, religious and caste groups are equally engaged in all-round activities.
- Environmental sensitization achieved through Eco-friendly consciousness created by Nature club activities. 'Treasure hunt' program arranged for semester II students for their active involvement in environment studies (foundation or elective course). '*Van Mahotsav*' i.e. tree plantation programs are conducted to motivate and for environmental awareness.

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

The advanced learners are identified during classroom teaching and by assessing their performance in unit tests. They participate in extra academic activities such as quiz, elocution, essay writing competitions etc. Teachers encourage them to read

reference books beyond curriculum for thorough knowledge. They are motivated to teach slow learners fellow friends by that way they also develop habit of teaching and explanation power on the topic they discuss. Teachers are always welcome them to solve any query and their thrust of knowledge. Thus, personal interaction and due attention is given by teacher. Such meritorious students are encouraged to participate in various competitive exams and academic events at inter college levels. Their registration fees, travel expense and other daily allowance are duly paid by institute to motivate them. They are felicitated during annual day function so they become role model for other fellow students. Their achievements in any such events are duly publicized in local news paper as news as well as College magazine “Utthan”.

The students who are interested in industries are sent for industrial visit by our industrial interface cell (IIC). Our teachers are also in learning process and to update their knowledge, by attending conferences, seminars, workshops and provided fund from Participation of Teachers in Academic Conferences (PTAC).

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. who may discontinue their studies if some sort of support is not provided)?

- Institute collects the data from student’s admission application forms and counseling committee members. Such data analysis helps us to identify various categories like students from the disadvantaged section of society, physically challenged, economically weaker sections. Such students are counseled by office personals to get Government scholarships of various categories.
- During classroom teaching slow learners are identified by teachers by asking questions. Unit tests are being conducted by subject teachers and those who do not score passing marks such slow learners are attended separately. They are advised to attend remedial coaching classes for specific or all subjects.

- The drop out ratio is high in the first semester as the students having higher percentage wish to join several other professional or technical courses.

## 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.)

- Every year institute prepares academic planning in accordance with the Gujarat University. Planner reflects teaching time table, dates of mid semester examination, various co-curricular activities, etc. Time tables are displayed on notice board as well as on LCD TV in the main lobby. This makes students aware of the next semester schedules also.
- As a part of continuous evaluation, the students are intimated about unit tests schedule, quizzes, submission of assignments, student's seminars schedule. Marks obtained in such unit tests or mid semester or internal examinations are displayed on the general notice board.

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

- IQAC helps to ascertain learner's requirement during entire academic program through its continuous live contacts with learners as well as teachers. IQAC monitors academic activities of the institution and gives suggestions to concern authorities.
- It helps to improve the teaching learning process by introducing latest teaching learning aids ensuring the quality teaching and progress in studies by organizing special lectures, seminars and workshops. It also encourages various subject teachers to plan for field study tours, industrial visits for first hand information etc.

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?

- Students are getting classroom teaching with the help of classical teaching method, Over Head Projector, power-point presentation, charts and models. At present all classrooms are well equipped with ICT enable teaching by installing multimedia projectors and access of internet browsing through institute's server's internet port in each classroom. Government of Gujarat has initiated live teaching through BISAG studio, under '*Sandhan*' interactive classroom series where students are learning the subject. Such educational CD/DVD material is also available in college library. Students are updated on the latest/recent developments in the relevant subjects, so as to create an interest, by making them to use reference books, e-resources like INFLIBNET available at library and media sources. Students learning is enhanced by getting subjects books form library book-bank facilities for Science stream.
- Students are motivated to take an interest in the subject, through orientation programmes before commencement of the teaching. To make classroom teaching more student centric they are involved by teachers through interactive learning, where students are involved in discussion of previous lecture's topics taught before commencement of lecture. Students are actively participating in question answer during the routine lectures. They are also participating in collaborative learning by group project work and seminars.
- The institute allows and encourages teachers to participate in seminars/conferences/workshops/orientation-refresher courses by giving them duty leave. The college is paying due attention to teachers for their extra efforts by providing scanning, printing facilities, laptop and internet connection to most of the departments.
- The institute and KCG, Govt. of Gujarat, collaboratively organized faculty training program to develop their skill and competence.



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?

- The Students are encouraged to participate in various events of 'Saptdhara'. Where students show their creativity in collage making, photography, drawing, painting, mehndi, tattoo making, instant poetry, essay writing, elocution, debate competition etc. They are also actively participating in youth festival events conducted at zonal level of Gujarat University. They are also involved in writing articles in college magazine.
- Chemistry students are involved in projects like preparation of soaps, phenyl production and medicine content search project.
- To develop scientific temper in Physics, interested students are involved in various projects of electronics. Same way students of Microbiology also involved in projects like learn through Bio-molecule model such as create 'DNA-Model'. In Biology subject they are asked to submit field study reports, where they show their creative mind. Biology students learn various topics in the field when they go for excursions. This habit of involvement develops their confidence and nurture critical thinking in their own life.

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.

All the classrooms are equipped with multimedia projectors and internet connectivity through institute's server. It facilitates teachers for ICT enabled teaching. Our teachers are actively participating by delivering their subject lectures as live telecast from BISAG, through 'EDUSAT' technology under 'Sandhan' series. Physics, Microbiology and English are amongst such subjects as they are being taught by using audio visual techniques for better understanding of the subject. Teachers are using the e-recourses from NME-ICT website for their respective subjects.

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

Students are exposed to advance level of knowledge by arranging expert's lectures in particular subject and general lectures. They are also encouraged to give subjective seminars and/or assigned project work to submit to respective discipline. Subjects like Biology, Microbiology and Chemistry students are taken to the excursions to get first hand field information. The students of Sociology are also visiting the local NGOs.

Faculties are actively attending subjective seminars/conferences to present their research works as papers and also participating in hands on trainings.

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?

#### ⇒ **Academic**

Students' irregularity in attending classes was minimized by individual counseling.

Students, weak in studies are motivated for joining remedial classes in college.

Economically weak students are advised to take benefit of scholarships available.

Students having problems with communication skills in English are asked to join English improvement classes in the college.

#### ⇒ **Psycho-Social**

Some students suffering from inferiority complex are helped to develop positive self confidence by attending personality development workshop. Career and counseling as well as enhancing initiative for competence building various workshops and expert lectures are arranged. Students are informed about competitive exams, job scopes and opportunities for further studies by inviting employment department expert. Students are motivated to participate in extra-curricular activities. Students are counseled to acclimatize in hostels.

⇒ Teacher acts as an academic advisor.

No.	In-charge	Responsibilities
1.	Mr. K. R. Trivedi	Academic Counselling
2.	Dr. R. T. Jasrai	Placement Counselling
3.	Mr. I. A. Shaikh	Counselling for Competitive Exams
4.	Mrs. S. S. Vyas	Women students Counselling
5.	Mr. M. K. Mandora	Yoga and Behaviour practices

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?

Most of the classrooms are equipped with LCD multimedia gradually during last five years.

Teachers are encouraged to teach through multimedia projectors using various ICT tools in addition to the traditional Blackboard, chalk and lecture. The interactive methods and project based learning are also employed. Teachers are also using the internet facility in the classrooms.

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

- Our library is member of INFLIBNET, which is key learning and reading resource for faculty members.
- 04 computers are provided with internet facility for student community under the scheme of UGC-NRC.
- The reading area of library provides students to explore magazines, news papers, books, or preparing notes and journals in their free time.
- Books and reference material are issued on library card.

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.

We start and implement our teaching planning as per schedule in completing the curriculum. But at the same time we get late admitted students as Gujarat Higher Secondary Education Board conducts supplementary examination in July. College admission is unlocked for the first semester till August to incorporate such July passed out students. We have to attend such late admitted students to complete their syllabus (for arts and Science stream) and practical (for science stream) by arranging extra classes. We have also prepared ready reference material for practical for science students for journal inscription.

The teaching suffers especially during heavy rains. The classes were then adjusted by taking zero lectures.

Occasionally the classes are cancelled or the college declares holidays due to any valid reasons. Then the loss of teaching is compensated by conducting classes on week end.

We also face shortage of faculties and we don't wait for lengthy procedure of approval of government appointment. Thus we immediately appoint ad-hoc teachers paid by Petlad Education Trust to give justice to teaching work.

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

The college has feedback mechanism to evaluate the quality of the teaching and learning. Feedback forms are collected at the end of term from final year students and such feedback forms are critically analyzed by two IQAC members. The suggestions regarding teachers are personally advocated. The suggestions received from suggestion box are also helpful to improve 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.

The institution has the tradition of retaining teachers for a longer period of time if their services are satisfactory. Likewise one can find many senior teachers working here with 15 to 18 years of service in the college.

Highest qualification	Professor/ Principal		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent teachers</b>							
Ph.D.	01	---	07	00	---	---	08
M.Phil.	---	---	---	---	---	---	---
PG	---	---	08	00	---	---	08
<b>Temporary teachers/Adhyapak Sahayak *</b>							
Ph.D.	---	---	---	---	01*	---	01*
M.Phil.	---	---	---	---	---	---	---
PG	---	---	---	---	---	---	---
<b>Part-time teachers</b>							
Ph.D.	---	---	---	---	01	---	01
M.Phil.	---	---	---	---	---	01	01
PG	---	---	---	---	01	---	01

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 management appoints visiting faculty and part-time faculty to supplement the teaching programmes. The number of such teachers during the last three years given below:

Sr. No.	Faculty	2011-12	2012-13	2013-14	2014-15
1	No. of temporary teachers (18 Hrs per week)	07	07	10	14
2	No. of visiting faculty (6 Hrs per week)	09	14	14	14
3	No. of visiting guest faculty	03	03	03	03

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

All the permanent staff members have attended refresher and orientation courses much earlier. Of course the faculty members regularly attend seminars, conferences, workshops to keep in touch with the latest updates concerning their subjects.

Academic Staff Development Programmes	Number of faculty nominated				
	2010-11	2011-12	2012-13	2013-14	2014-15
Refresher courses	0	0	0	0	0
HRD programmes	0	0	0	0	0
Orientation programmes	0	0	0	0	0
Staff training conducted by the university	0	0	0	0	0
Staff training conducted by other institutions	0	0	0	0	0
Summer/winter schools, seminar, conference, workshops, etc	21	21	13	14	20

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

⇒ **Teaching learning methods/approaches :**

Regular meetings of teaching faculties are carried out to discuss about the up gradation in methods of teaching and learning. Since Gujarat University has introduced semester and CBCS system from year 2011, use of ICT tools has become essential for better presentations. Department of Computer Science regularly organizes regular staff training to edify the use of various softwares for the preparation of presentations.

⇒ **Handling new curriculum**

In order to have good understanding of new education policy and CBCS, several workshops organized by the Knowledge Consortium of Gujarat were attended by of staff members. The faculties of board of studies of our College also elucidate about curriculum in staff meetings.

⇒ **Content/knowledge management**

The College has organized state level two days workshop on "*e-content development for higher education*" to improve the creativity and knowledge both at information level as well as the technology level. By virtue of it, majority faculty of College participated. As an outcome of this workshop total 42 SLOs were prepared.

⇒ **Selection, development and use of enrichment materials**

The department of Physics and Botany has introduced laboratory practical books and journals in printed form. The question bank is also prepared by various departments which is very helpful to the students in preparation of examinations.

⇒ **Assessment**

College is conducting mid semester exams as per the guidelines of Gujarat university. Apart from this, MCQ quiz, seminar, class test, unit test and assignments are also effective tools used for the assessment.

⇒ **Cross cutting issues**

To address the cross cutting issues, College has incorporated public health, child counselling and fundamental rights and duties in regular curriculum as elective, foundation and soft skill courses. Various issues like AIDS, social

and economic deprivation are address by our N.S.S. and N.C.C. units.

⇒ **Audio Visual Aids/multimedia**

Department of Computer Science actively organizes hands on training programs of multimedia and audio visual aids for teaching and non teaching staff members as well.

⇒ **Teaching learning material development, selection and use**

The teaching learning material is developed using various software, internet and video clippings to enhance classroom teaching.

Most of the above discussed issues were addressed during Two days interactive training program for faculty “KMPF” jointly organized with KCG, Department of Higher Education, Govt. of Gujarat.

c) **Percentage of faculty**

⇒ invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies : **50% (8 out of 16)**

⇒ participated in external Workshops/Seminars/Conferences recognized by national/international professional bodies : **100%**

⇒ presented papers in Workshops/Seminars/Conferences conducted or recognized by professional agencies : **78%**

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 institution encourages those faculties who have their Master’s degree to go for higher studies. Those who are having their doctoral degree are encouraged to go for research and apply for research projects to various funding agencies.

➤ The institution also encourages the faculty members to participate in the three days workshops for research methodology, periodically organized by KCG, CHE, GoG. Some faculty members enthusiastically participated in such workshops and also submitted their proposals of MRP.



- Teachers are also granted leave to participate in seminars / workshop / conferences of their fields and present their research work to get updated. They are also provided PTAC benefits.
- The teachers are also encouraged for publications of books and their research work to get recognition.
- College organizes workshops/seminars/conferences etc.
- Study tours are organized by respective departments for field study.

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.

Prin. Dr. Vimal Joshi has received following awards/recognition:

“BOLT” (Broad Outlook - Learner - Teacher) Award Winner for Year 2007-08 as ANAND District Runners-up, Awarded by AIR INDIA, Mumbai, ceremony organized on 30/03/2008 at Vadodara.

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, feedback forms are circulated among final year UG and PG students to evaluate the performance of the teachers. After analysing feedback forms, Principal looks into the matter and if he finds any critical and positive comments from the students regarding teaching of particular teacher then that teacher has been called for personal discussion to carry out necessary change or improvement of teaching.

## **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?

We have set a tradition to organize “Praveshotsav” to welcome fresher students in

the beginning of an academic term. Freshers are welcomed by Principal, staff and senior students. They are oriented about the institution, its objectives, goals, past activities, achievements, about university, academic planner including internal and external evaluation, examination pattern and teaching learning process through power point presentation. Other students are well informed about any such evaluation process and examination information by announcement and placing the circulars on notice board, LCD TV as well as oral announcements in classrooms time to time. Faculties are also well informed about evaluation process if any changes come in between from university by circulating the general notice to them.

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?

Institution abides by the University rules and regulations for evaluation process. Till 2010-11 batches we were following the yearly system as per the university norms. From 2011-12 batch university has approved and implemented Choice based credit system (CBCS) along with semester system. Thus evaluation is as per the new system has been implemented. Transparency is maintained in the evaluation process through the following:

- **Evaluation at College level:**
  - Names of paper setters and examiners are recommended by the HODs and the Principal appoints them during internal examinations.
  - Internal Examination held as per schedule.
  - There is a provision of additional test (Re-test).
  - The results and mark sheet of internal exams are prepared by the subject teachers and cross checked by the HOD's of the department before declaring the result.
  - Internal results are calculated as per continuous evaluation system: Total 30 marks are counted for internal which is again sub divided as 15 marks from written examination and other 15 marks are sub divided as 5 marks for attendance, 5 marks for seminar/quiz, 5 marks for assignment.

- **Evaluation at University level:**

The different stages of evaluation till the declaration of results at university exams are as under:

- Question paper setters and examiners are appointed by the Vice Chancellor, Gujarat University during university examinations.
- University Examinations are held as per schedule.
- Answer books are encoded to maintain confidentiality. Randomization of answer books at university examination section. Such answer books are given to each examiner for assessment.
- Tabulation of the received marks using computer software.
- Result discussion in the Moderation Committee meeting.
- Results are declared on university website within stipulated time.

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?

University has adopted CBCS pattern with semester system in higher education from June 2011. University has implemented the continuous internal assessment of the student. Along with marks of internal exams, assignment, seminar/quiz and attendance of the students are also considered for the evaluation. Our College has effectively implemented this system.

Exams for Foundation courses and Elective courses of 100 marks each are conducted at college level and results are sent to university to incorporate in the mark sheet of student.

Teachers are informed about the guidelines suggested by board of studies and university authorities regarding the pattern of question paper so that they draw the paper in uniform style for effective implementation of system.

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

As a part of formative approach student have to give subject seminars or attend quiz and submitting the assignments. In some subjects they are also taking part in the excursions, study tour, visiting local intuitions or field trips. In subjects like Botany they show creativity by preparing herbarium, charts and models of their choice.

On the other hand summative approach through appearing in time bound examinations system. In exam equally weightage has been given to each unit. Each question is divided into descriptive and some short questions.

Both approaches help the students to improve their result and understanding the subject in multidimensional way.

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

The institution monitors the internal performance of the students in the following ways:

We follow the internal assessment norms of Gujarat University, that includes Continuous Internal Assessment (CIA) where out of 30 marks weight-age is given to four criteria namely 15 marks for internal theory, 5 marks for attendance, 5 marks for assignment, 5 marks for seminar or quiz. Each department and their teachers are rigorously monitor progress of the students through the various criteria mentioned above to allot required marks. The progress is also monitored by taking unit tests so that students can understand mistakes and teachers also focus the attention of the students on how to attempt and present the answer to improve their results.

75% attendance is mandatory for any student to appear into the end-semester exams. Seminars held at the level of the department enable the students to make use of technology. Instant feedback is given by the faculty to make them aware of their shortcomings.

Assignments and project work are evaluated by the teachers and necessary suggestions are given to the students.

Mid-semester exams are conducted and the internal results are prepared.

2.5.6 What are the graduates attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

The college has specified the following graduate attributes:

- To provide Value-added education.
- To develops qualities of competence, confidence and excellence.
- To develop the personality of the students.
- To inspire ethical values among the students.
- To impart education having knowledge and wisdom.
- To create an atmosphere for mature and free-thinking and positive citizenship.

College ensures to develop above attributes by providing various opportunities to participate in various activities. This also brings socio-cultural transformational changes in the student's life.

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

⇒ **At the College level:**

Any students come across any complaint regarding evaluation outcome then he/she directly approach to the concern subject teacher/department head. That is attended by the concern authorities. Finally if student is not satisfied with the solution of his grievances then he/she can approach to the principal.

⇒ **At the University level:**

After getting university final results, if students find any query then they have to approach to College/university office and filling up respective form and submitting to the university authorities for its solution. For semester I to V

rechecking of marks obtained is possible, for semester VI paper reassessment is possible at university level.

## **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?

We have focused on the three major aspects such as Content, skills and Values to establish the Student's learning outcome (SLO).

### **⇒ Content:**

By the end of their selected course, students will be able to understand the fundamental nature of the subject in broader way and able to pursue their study further if they need to go for master degree or appear for any competitive exams.

### **⇒ Skills:**

By the end of their selected course, students will be able to define the characteristics and limitations of the particular area of their subject. Especially Science students will be able to apply their experimental knowledge in many practical ways, where as students from Arts discipline will be able to visualize the social, economical structure of the society in scientific manner to evaluate and solve the generic problem in a better way.

### **⇒ Value:**

By the end of this course, students will be able to articulate their personality with positive approach towards society and respond as a good citizen of India.

2.6.2 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 students' results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

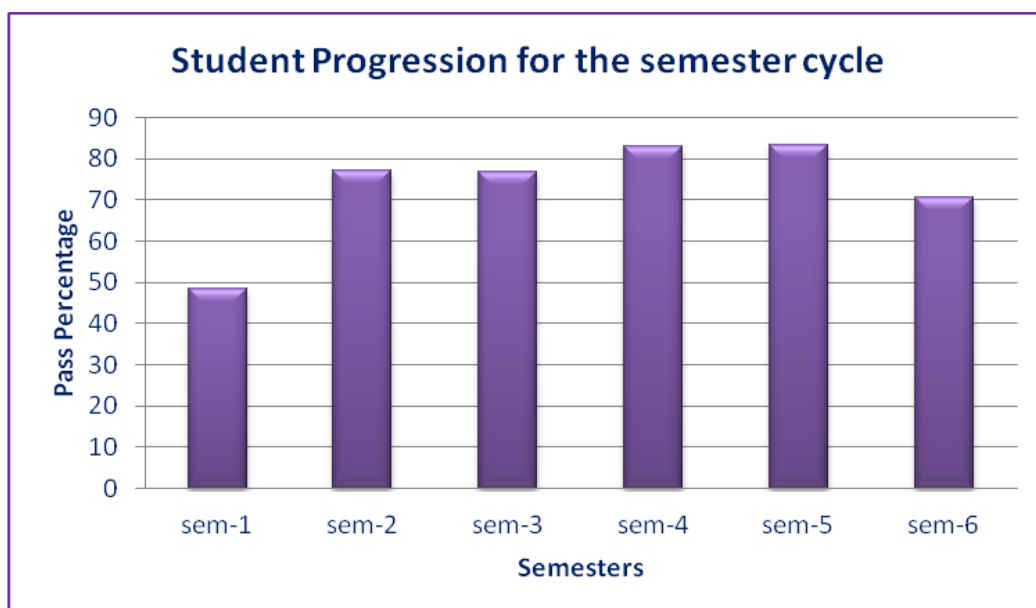
Performance and progress of the students are regularly monitored by their subject teachers by assigning them various unit tests, assignments, project preparations, seminar preparation and presentations, etc. Students are directly in touch with their respective subject teachers and when they appear for internal examinations

then the results are prepared by each department and finally displayed on notice board to inform them about their outcomes.

The results of university exams declared on university website and students come to know their result through internet website or by getting SMS from University. After declaration of university results, they collect mark sheets from college office/library.

**Results of last five year students:**

Class	2009-10	2010-11	2011-12	2012-13	2013-14
F.Y. B.A.	43.52	55.94	sem1-48.47	sem1-44.13	sem1-43.21
			sem2-77.14	sem2-60.40	sem2-46.34
S.Y. B.A.	77.39	82.96	69.37	sem3-76.67	sem3-72.93
				sem4-82.91	sem4-70.71
T.Y. B.A.	77.48	80.73	77.87	76.98	sem-5-83.19
					sem-6-70.54
F.Y. B. Sc.	66.37	44.23	sem1-31.87	sem1-36.60	sem1-40.36
			sem2-52.33	sem2-64.18	sem2--41.80
S.Y. B. Sc.	97.50	96	62.89	sem3-42.86	sem3-50.32
				sem4-46.34	sem4-35.19
T.Y. B. Sc.	73.68	80	93.67	44.33	sem-5-40.48
					sem-6-44.00
M.A. - I	47	N.A.	N.A.	N.A.	sem1-43.9
			sem2-82.69	sem2-67.19	sem2-56.25
M.A. - II	73.33	81	N.A.	N.A.	sem3-85.59
			sem4-100	sem4-90.38	sem4-65.56



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

Teaching through traditional as well as modern way.

Learning by students through lectures, audio visual techniques, books, presenting the topic through seminars, submitting assignments, field visits, group discussions, laboratory work, invited guest/expert lectures etc. to gain knowledge. Learning through BISAG lecture series on various subjects either attending live telecast lectures or such video CDs available at library for students.

Assessment through examination system along with continuous evaluation system as per the university guidelines. Till May 2011 students were asked to appear for two internal and one external exam whereas after June 2011 with implementation of semester system they appear for mid semester exam and one end semester exam to evaluate their subjective strength.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

Our students opt various subjects in arts stream as well as pure science subjects in science stream. We tried to motivate them by arranging skill development,



personality development programs conducted by UDISHA of our college.

We also arranged general motivational lectures of eminent speakers so that the students get an idea of their learning and its social and economical relevance.

To inculcate them towards industrial jobs we arrange the industrial visits for chemistry and microbiology students. Six students have participated in National Graduate Physics Examination (NGPE) held on 20 January, 2013 at Bhavnans College, Dakor.

Motivation is also done to go for higher studies from UG to PG and then towards research fields. Our UDISHA is also arranging placement interviews for our UG students.

2.6.5            How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

To overcome subject understanding barrier of learning:

Unit wise tests for their subjects are conducted to monitor the performance. Based on their results, slow learners are identified and advised to join for remedial coaching.

Students are asked to appear for SCOPE exam to evaluate their knowledge on English language.

As majority of our students are coming from rural area they need to develop their personality. Thus to fulfill this need we offer some skill oriented program as confidence building measures.

To overcome financial barrier of learning:

We provide free books to each student for their respective subjects from our book bank of central library. We also offer free internet access from various terminals in the campus. Financially weak and other category of students get scholarships from government, Sacchidanand Seva Samaj Trust, Charutar Vidya Mandal and local NGOs.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

As our three core area of Student's Learning Objects (pl. refer 2.6.1) such as Content, Skill and Value are monitored regularly and we ensure that it should be achieved by following elements keeping record and analysis of University and Internal examinations Results of the students.

- Keeping records of achievements of students in various fields like curricular, co-curricular activities, NCC, NSS, and sports.
- Monitor Economic and social status of the students.
- Preparing Placement profiles of students.
- Opinions of the parents are welcome when they approach us or during our parent meetings.

2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes 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.

Institute and individual teachers during their regular teaching and interactions get an idea of the development of students. Based on the interest of student is being identified and according to it they are directed towards specific events.

To cite few examples: many of slow learners are advised to join remedial coaching classes of the college. Many others are given assignments to understand the subject. Those who have stage fear are encouraged to deliver the seminars.

We encouraged students for Participation in various activities such as cultural events, NSS, NCC, Sports etc which helps them to express their inherent talent.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

## **Criterion – III**

### **Research, Consultancy And Extension**

*“Contribution through creativity”*

### 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?

Our institution is not recognized Research center of the affiliating university but two of our faculty members from Department of Chemistry and Physics are recognized Ph.D. guide. The registered research students carrying out research work under their supervision at respective laboratories of the College.

- Dr. V. S. Joshi is a recognized Ph. D. guide (Physics) in the following universities:
  - Gujarat University, Ahmadabad.
  - Hemchandracharya North Gujarat University, Patan.
  - Jagdishprasad Jhabarmal Tibrewala (JJT) University, Jhunjhunu, Rajasthan.
  - Pacific University, Udaipur, Rajasthan.
- Dr. J. A. Chaudhari is a Ph. D. guide (Chemistry) in the following universities:
  - Gujarat University, Ahmedabad.
  - Jagdishprasad Jhabarmal Tibrewala (JJT) University, Jhunjhunu, Rajasthan.

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, a research committee has been established in year 2008 to administer the research activities within the College. The committee is consisting of the following members:

<u>Sr. No</u>	<u>Name of the member</u>	<u>Positions</u>
1.	Principal Dr .V. S. Joshi.	Chairperson
2.	Dr. J. A. Chaudhari	Co-ordinator
3.	Dr. R. T. Jasrai	Member
4.	Dr. K. B. Anjaria	Member
5.	Mr. I. A. Shaikh	Member
6.	Dr. A. N. Patel	Member
7.	Dr. U. H. Vyas	Member

The Research Committee meets once in every semester. Some of the important recommendations are given below.

The committee guides and assists the faculties to apply research proposals to UGC, GUJCOST and other funding agencies. In the past four years, 7 proposals have been sent to the above funding agencies.

<b>Recommendation</b>	<b>Impact</b>
Subscription for few International, National journals and also online journals in the library for Arts & Science disciplines.	The College has subscribed many International, national journal books and e-books for researchers in the college library.
The faculty member who obtained Ph.D. degree/ Research guide ship/ presented research papers at international conference to be felicitated.	Such Faculty members are honoured on the event of Annual Day Celebration.
To develop research aptitude among both faculties and students (UG & PG).	The UG students of Physics department are doing project work under the guidance of teachers. Many of the faculty members are presenting their research papers regularly in international, national and state level conferences. Dr. V. S. Joshi has presented research paper at international level conference 2008, <b>California, USA</b> . Dr J. A. Chaudhari has presented research paper at international level conference 2013, <b>Thailand</b> and PITTCO 2014 Chicago-USA.
Motivate faculty and students to write research papers and Research Project proposals.	Our institute organizes conference, workshops and seminar to encourage both faculties and students to write research papers and proposals. As a consequence 3 faculties obtained Ph.D., 07 project proposals have been submitted to UGC for approval. Among them 03 minor research Projects have been sanctioned and successfully carried out.

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:
  - The full autonomy is given to the principal investigator/s by college administration.
- Timely availability or release of resources:
  - The institute is highly interested for promoting research and timely release funds as and when required by the researchers.
- Adequate infrastructure and human resources:
  - College resources are made available for their project work to the researchers.
  - The college provides laboratory space, glassware, instruments, computer, scanner, printer and internet facilities to carry out research projects.
- Time-off, reduced teaching load, special leave etc. to teachers:
  - Duty leaves are granted to teachers to attend any seminars/workshop for presenting their research works etc. Teaching load if any is managed mutually within their respective departments.
- Support in terms of technology and information needs:
  - We provide full technological support in terms of free internet service, library facilities, etc. to the researcher faculty.
- Facilitate timely auditing and submission of utilization certificate to the funding authorities
  - Our investigators are taking utmost care to prepare and submit the audited account and utilization certificate along with their annual /final reports in stipulated time.
  - College Principal taking enough care and provide guidance to faculty members to prepare accounts and submit reports for the research projects.

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

Following efforts are made by the institution to develop scientific temper and research culture and aptitude among students.

- Project work is a part of academic timetable for B. Sc. Sem-V and Sem-VI (Physics department).
- Our institution organizes seminars/workshop and expert lectures.
- Financial support (PTAC) is provided to college teachers for participation in conference/seminar held outside college. College has always motivated research students for participation in the conferences and provided with TA-DA.
- Displaying the information regarding various students' projects on notice board.

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.

#### Research Guides

Sr. No.	Name	Subject	University	Number of Ph. D. Students working	Number of students Awarded Ph. D.
1.	Dr. V. S. Joshi	Physics	North Gujarat university, Patan.	04	---
2.	Dr. J. A. Chaudhari	Chemistry	JJT university and Gujarat university	03	01

#### MRP/Project

Sr. No.	Minor research Projects	Funding agency	Duration	Amount(Rs)	Remarks
1	Dr. S. H. Chaki	GUJCOST	2007-08	1,05,000=00	Completed
2	Dr. R. T. Jasrai	UGC	2007-08	40,000=00	Completed
3	Dr. J. A. Chaudhari	UGC	2008-09 to 2009-10	55,000=00	Completed
4	Dr. J. A. Chaudhari	UGC	2011-12 to 2013-14	1,00,000=00	Completed

On going Research Projects

Sr. No.	Minor research Projects	Funding agency	Duration	Amount(Rs)
1	Dr. V. S. Joshi	UGC	2013-2015	1,40,000=00
2	Dr. K. B. Anjaria	UGC	2013-2015	1,55,000=00
3	Dr. U. H. Vyas	UGC	2013-2015	68,000=00

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 imbibing research culture among the staff and students.

- The details of the events organized by various departments are given in the following table;

Academic Year	Name of the Programme	Department
2007-08	One day seminar entitled “Nano-technology simplified through innovative Activities”	Physics
2007-08	A four day workshop “What is mathematics Really?”	Mathematics
2007-08	One day seminar on “Tips to technology Trio” supported by UGC-COP.	Computer
2007-08	“Strengthening Library resources through Innovative Technology”	Library
2008-09	UGC sponsored one day National conference on “Taxonomy Teaching & Research : The Relevance in the National Context”	Biology
2008-09	One Day Seminar on “Tapping Talent for Triple Technology” supported by UGC-COP.	Computer
2008-09	A one day workshop on “Recent advances in Chromatography”	Chemistry
2008-09	UGC sponsored One Day Seminar on “Intellectual Property Right”	Library
2009-10	A Regional Workshop on “Basics of Quantum Mechanics”	Chemistry
2009-10	A Seminar on “Ragging-A Wicked Behavior” with the support of Civil Court Advocates.	UDISHA
2009-10	A state level workshop on “Prologue and Relevance of MATLAB” supported by UGC-COP	Computer



2009-10	A workshop on “Let us be....Industry Driven”	IIC-Unit
2009-10	A seminar on “Road Map to Personality Development”	UDISHA
2010-11	A Regional Workshop on “Near to Science Workshop”	Mathematics
2010-11	One day Workshop on “How to Achieve Goals of Life”	UDISHA
2010-11	Motivation Lecture for English Improvement “Importance of English in Professional Career”	English
2010-11	A state level workshop on “Internet and its spheres of influence”	Computer
2010-11	District-2 Level Training Workshop on “Knowledge Management Programme”	IQAC
2010-11	Two Days Training Programme on <i>Mission Mode Implementation (MMI)</i> ” with knowledge Consortium of Gujarat (K.C.G.) and Arts-Science and R.A. Patel Commerce College Bhadran	IQAC
2010-11	One Day Workshop on “ <i>Solvent Extraction</i> ”.	Chemistry
2011-12	One Day State Level Seminar on “Role of Laboratory Staff in Changing Scenario of New CBCS and Semester System in Higher Education”	Laboratory and Technical Staff of Colleges
2011-12	One Day Training Workshop on “ <i>Choice Based Credit System (C.B.C.S.) and Semesterization</i> ” for Administrative and Technical Staff of Colleges (Kheda, Anand, Vadodara, Panchmahal and Dahod Districts) *	IQAC
2012-13	“Know Your Drug” Chemistry project/seminar	Chemistry
2013-14	Two days workshop on “e-content development for Higher Education” supported by BISAG *	Computer
2013-14	Workshop on “Career Guidance and Effective Resume Building”	UDISHA
2013-14	Training for “Online form filling for various competitive Examinations”	UDISHA

\* - The event organized by the College first time in Gujarat State.

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

Sr.no	Name	Subject	Priority areas of research
1	Dr. V. S. Joshi	Physics	Crystal Growth
2	Mr. K. R. Trivedi	Physics	Thin Film Technology
3	Dr. U. N. Patel	Physics	Composite materials
4	Dr. R. T. Jasrai	Chemistry	Corrosion and Dyes
5	Dr. V. R. Patel	Chemistry	Coordination Chemistry
6	Dr. J. A. Chaudhari	Chemistry	Coordination and Polymer Chemistry
7	Dr. U. H. Vyas	Computer science	Internet Technology
8	Dr. K. B. Anjaria	Biology	Plant systematics
9	Dr. S. D. Shukla	Mathematics	Fluid Mechanics
10	Dr. A. N. Patel	Economics	Economics
11	Mr. S. M. Parekh	Library Science	Information sourcing and information servicing in public Library

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The institute invites eminent Professors and Scientists to deliver expert lectures during seminar/workshop/conference. Students, researchers and faculties are encouraged by interacting with them. The students visit various neighbouring postgraduate research departments, scientific laboratories, scientific research institutes and prominent industries.

- Following experts visited our campus during last five years.

Sr. No.	Name of Expert	Subject and Date	Position	Purpose of visit
1	Prof. J. D. Joshi	Chemistry 18/08/2010	Professor of Chemistry, S.P.University, Vallabh Vidyanagar, Gujarat.	General lecture in Science section
2	Prof. D. K. Raval	Chemistry	Professor of Chemistry, S.P.University Vallabh Vidyanagar, Gujarat.	Workshop for Chemistry Teachers of Petlad Taluka
3	Prof. S. H. Chaki	Physics 26/02/2009	Reader in Physics, S.P.University Vallabh Vidyanagar, Gujarat.	Nanotechnology
4	Prof. Pranav Srivastava	Chemistry 03/01/2009	Professor of Chemistry, Gujarat University Ahmedabad	Workshop on Thin layer Chromatography
5	Prof. V. J. Shah	Chemistry	Asso.Prof. of Chemistry, Bhavan's Science College, Dakor	Workshop on Quantum chemistry
6	Dr. V. N. Mani	Physics 10/02/2010	Scientist of C.MET, Hyderabad	Importance of research in Higher Education
7	Dr. T. R. Hathi	Economics 21/11/2009	Ex. offg. VC , Kachchh University	Guest lecture for the Economics Department
8	Dr. Naresh Ved	IIC	Ex., VC, Bhavanagar University and Gujarat university	Importance of Entrepreneurs in the context of employment
9	Dr. M. K. Yagnik	Education 12/01/2010 12/01/2011 (Vivekanand Jayanti)	Prof & Head, Dept. of Education, S. P. University Vallabh Vidyanagar.	Swami Vivekanand's Life
10	Dr. N. B. Bhatt	Computer	V P Science college, S P University, VV Nagar	e-content development
11	Dr. Rajesh Patel	Computer	Hemchandracharya North Gujarat University, Patan	Script writing, multimedia preparation for SLOs.
12	Dr. Mahesh Jivani	Computer	Dept. of Electronics, Saurashtra University Rajkot	Guest speaker
13	Prof. Darshan Choksi	Computer 25/02/2011	Dept. of Computer science, SP University, VV Nagar	Guest speaker

14	Dr. Priti Sajja	Computer	Dept. of Computer Science, SP University, VV Nagar	Guest speaker
15	Prof. M. K. Janarthanam	Biology 27/09/2008	Dept of Botany, Goa University	Key note speaker
16	Dr. K. V. Gururaja	Biology 27/09/2008	Indian Institute of Science, Bangaluru	Guest speaker
17	Dr. S. Karthikeyan	Biology 27/09/2008	ex Director Botanical Survey of India, Pune	Key note speaker
18	Dr. K. D. Vachhrajani	Biology 27/09/2008	Dept. of Zoology, The M. S. University, Vadodara	Guest speaker
19	Dr. Paresh Virparia	Computer	Dept of Computer science, SP University, VV Nagar	Key note speaker
20	Dr. K. N. Joshipura	Physics 28/06/2010	Dept of Physics, SPUniversity , VVNagar	Key note speaker
21	Dr. C. N. Raval	Library 10/01/2009	Librarian, SP University, VV Nagar	Guest speaker
22	Sudhir Nanavaty	10/01/2009	Advocate, Gujarat High Court & Supreme Court of India,Ahmedabad	Guest speaker
23	S. M. Soni	10/01/2009	First Lokayukt and Retd. Justice of Gujarat High Court & our Alumnus	Guest speaker
24	Dr. Gynaesh Jani	Computer 27/12/2008	Vivekanand college, Ahmedabad	Guest speaker
25	Dr. N. N. Jani	Computer 28/01/2010	Dept of Computer, Saurashtra university, Rajkot	Guest speaker
26	Dr. J. R. Patadiya	Mathematics 18/01/2008	Head, Department of Mathematics, M. S. University, Baroda	Resource person at Workshop
27	Dr. M. H. Vasavda	Mathematics 18/01/2008	Head, Department of Mathematics, S. P. University, V. V. Nagar	Resource person at Workshop
28	Prof. Udayan Prajapati	Mathematics 19/01/2008	Department of Mathematics, St. Xavier's College, Ahmedabad	Resource person at Workshop
29	Prof. Mrs. H. M. Vasavada	Mathematics 19/01/2008	Head, Department of Mathematics, M. B. Patel Science ollege, Anand	Resource person at Workshop

30	Prof. D. H. Patel	Mathematics 20/01/2008	Department of Mathematics, M. B. Patel Science college, Anand	Resource person at Workshop
31	Prof. M. B. Shah	Mathematics 20/01/2008	Dept. of Education, R. P. Anada College of Education, Borsad	Resource person at Workshop
32	Prof. P. K. Vyas	Mathematics 21/01/2008	Head, Department of Mathematics, M. D. Patel College of Science, Porbandar	Resource person at Workshop
33	Dr. M. H. Vasavda	Mathematics 28/06/2010	Head (Retd.), Department of Mathematics, S. P. University, V. V. Nagar	Resource person at Workshop
34	Prof. A. K. Virani	Mathematics 29/08/2010	Head, Department of Mathematics, Virani College of Science, Rajkot	Resource person at Workshop
35	Prof. Mrs. H. M. Vasavada	Mathematics 30/06/2010	Head, Department of Mathematics, M. B. Patel Science College, Anand	Resource person at Workshop

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

No one has utilized Sabbatical leaves for research. But, the institution provides duty leave to faculty for participating and/or presenting papers at regional, state, national and international conferences.

3.1.10 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)

Government project on Soil Testing was carried out at Chemistry laboratory with active involvement of students and results were provided to farmers in the form of soil health cards.

The research papers published by the faculties are displayed on notice board and as well as college website.

The new findings and trends regarding research culture are discussed during departmental staff meetings.

Projects like Water analysis, Phenyl production and Soil analysis were completed.

Final year B.Sc. chemistry students are participating in Drugs Project.

The college organizes seminars and workshops to create scientific awareness among students.

Socio economic survey of nearby villages made periodically by Economics and Sociology departments and copy of the reports are submitted to related authorities like Talati, Sarpanch, Mamlatdar for their kind attention. Some of the copies are also provided to members of Taluka and Jilla Panchayat.

### 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.

A reasonable required amount is allocated to research amongst staff members who are actively engaged in research and those who submit viable and competing project proposals.

The institute promotes research development by extending financial support to faculty and students. Also provides infrastructural facilities in terms of use of laboratories and other recourses.

During last four years the institute has incurred the expenditure from various grants of UGC in the following ways:

Sr. No	Major Heads of Expenditure	Financial Utilization (Rs) for the Year			
		2010-11	2011-12	2012-13	2013-14
1.	Equipments	--	10,07,595	21,54,280	--
2.	UPS and ICT Infrastructures	3,61,784	16,810	95,922	69,900
3.	Library Resources – Reference Facilities	26,160	29,449	16,200	31,260
4.	Research Seminars/conferences	14,500	23,669	1,38,289	1,24,500

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?

There is no such provision of major amount for seed money to be disbursed for research but students of departments of economics and sociology carried out eco-socio survey and outcome of such reports is published with the financial support of the institute.

3.2.3 What are the financial provisions made available to support student research projects by students?

Our institute does not offer research projects for all the subjects in Arts and Science faculties. Since Sem-V and VI students of Physics are offered research project as an elective course. The Physics laboratory, equipments, glassware and chemicals are provided to the students to carry out the project.

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.

Inter disciplinary project completed by department of Chemistry and Microbiology. The project was on “Physio-Chemical analysis of Drinking water and irrigation water of several villages of Petlad Taluka, District-Anand and improving quality of water”. The project was funded by UGC.

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

Staff and students are encouraged to utilize various research facilities of the institute by allowing them to use glassware, chemicals, laboratory space, library resources etc. More over printing and internet facilities are provided at free of cost.

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.

Special financial grant of Rs. 14,19,520 (Fourteen lacs ,Nineteen thousands Five hundreds Twenty rupee) received from Government of Gujarat under the Soil Health Card project for Soil testing program. Soil Health Cards were given to the farmers by Government of Gujarat. The instruments purchased from this grants to carry out soil analysis are also very useful for many other research areas. Thus our institute was benefited to develop our laboratory resources.

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

Nature of the Project	Duration Year From To	Name of the funding agency	Total Grant		Total grant received till date
			Sanctioned	Received	
MRP-DR. S. H. CHAKI	2007-08	GUJCOST	1,05,000	1,05,000	1,05,000
MRP-DR. R. T. JSARAI	2007-08	UGC	40,000	40,000	40,000
MRP-DR. J. A. CHAUDHARI	2008-10	UGC	55,000	55,000	55,000
MRP-DR. J. A. CHAUDHARI	2011-13	UGC	1,00,000	1,00,000	1,00,000
MRP-DR. V. S. JOSHI	2013-15	UGC	1,40,000	1,00,000	1,00,000
MRP-DR. U. H. VYAS	2013-15	UGC	68,000	58,000	58,000
MRP-DR. K. B. ANJARIA	2013-15	UGC	1,55,000	1,46,500	1,46,500

### 3.3 Research Facilities

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

Research students of our recognized Ph. D. guides are encouraged and given sufficient autonomy to utilize our institute's facilities for their research. Such as Laboratory space facility, glassware, Equipments like Laminar Air Flow, High



speed centrifugation, Polari meter, pH Meter, water analysis kit, incubator, video-imaging system, Microscopes etc. are available for research.

In addition to college Computer Laboratory, Digital Education and Learning Lab, ICT facilities, INFLIBNET and centralized library with all subject books/journals with multiple copies are available. The entire campus is enabled with broadband internet connectivity for reference work and e- journal surfing by the faculties and students.

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?

- Procurement of more research journals in library.
- The institution is planning to upgrade more instrumentation facility to meet the key research areas.
- Purchasing required chemicals and glassware.
- Purchasing research software useful for researchers.
- Faculty members are encouraged for joining Ph. D. work, to write and apply for major and minor research projects, participating in Seminars, Workshops for upgrading themselves in current research areas.

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.

The Government of Gujarat has allotted a special grant Rs 14,19,520=00 (Fourteen lacs, Nineteen thousands Five hundreds Twenty rupee) to establish a soil testing laboratory. From this grant the following were purchased: pH meter, conductometer, Flame photometer, shaker, colorimeter, computer and printer. These equipments are also used for research in the college.

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

We have mutual benefit sharing understanding with CHARUSAT University, Changa; Saurashtra University, Rajkot; S. P. University, V. V. Nagar and SICART

(Sophisticated Instrumentation Centre for Applied Research and Testing), Vallabh Vidyanagar for utilizing their laboratory facilities. Our two faculty members are recognized Ph.D. guide. Their research students use facilities for sample analysis at concessional rate. Some Ph. D. students also use library and instrumentation facilities of other institutes like The M. S. University of Baroda, Vadodara; University of Jammu, Jammu Tawi; Saurashtra University, Rajkot; PRL, Ahmedabad; INFLIBNET, Gandhinagar.

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

Our library has subscribed many research journals of various disciplines that help to gain a broader perspective in the field of research. The library is also well equipped with the modern facilities like e-Journals, Internet, Computer, Printer, etc. The photocopier facilities made available at campus store. Scanner facilities are also available in many of the departments.

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

No such facilities developed at the institute as an outcome of any collaborative research work. Though the help of other Universities and institutes as mentioned in 3.3.4 to carry out the research work.

### **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) : No
- \* Original research contributing to product improvement : No
- \* Research studies or surveys benefiting the community or improving the services : Yes
- \* Research inputs contributing to new initiatives and social development : No.

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? : No.

3.4.3 Give details of publications by the faculty and students:

\* Publication per faculty

Average publication per faculty is: 7

83 (66 papers and 17 books publications during 2007-08 to 2013-14 by 12 faculty members)

\* Number of papers published by faculty and students in peer reviewed journals (national / international) : 64

\* Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : N.A.

\* Monographs : N.A.

\* Chapter in Books : 01

\* Books Edited : N.A.

\* Books with ISBN/ISSN numbers with details of publishers : 05

\* Citation Index : See Annexure 3-A

\* SNIP : N.A.

\* SJR : N.A.

\* Impact factor and h-index: See Annexure 3-A

3.4.4 Provide details (if any) of

\* Research awards received by the faculty: No.

\* Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

➤ Prin. Dr. Vimal Joshi was awarded "BOLT" (Broad Outlook - Learner - Teacher) Award for Year 2007-08 by AIR INDIA, Mumbai on 30/03/08 at Vadodara.

\* Incentives given to faculty for receiving state, national and international recognitions for research contributions. : No

### 3.5 Consultancy

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

To meet the future challenges and building up the confidence level for career, our institute runs industrial interface cell (IIC). The IIC and Career and Placement Cell jointly organize various field visits for the students in this regard. The list of such activity is given below.

No	Date	Industry/ Office/ firm	Place	Importance
1.	04/07/09	PBM Polytex Ltd.	Petlad	Cotton Yarn Ind.
2.	08/08/09	Vanendu Enterprise	Gandhinagar	Firm
3.	09/09/09	Madhubhan Resort	Anand	7 star Hotel
4.	09/09/09	AMUL Dairy	Anand	Milk Product Industry
5.	19/01/10	Ekalbara Chemical factory	Baroda	Chemical Industry
6.	01/09/10	Electricity Power Station	Dhuvaran	Electricity
7.	04/10/10	Pharmanja Industries	Dharmaj	Herbal Products
8.	22/07/11	EQDC Laboratory	Gandhinagar	Equipment Services
9.	29/08/11	Parle Pvt. Ltd.	Nadiad	Biscuit business
10.	29/08/11	Zaylo Chemical	Nadiad	Chemical Industry
11.	29/08/11	IPCO Industries	Nadiad	Tooth Paste production
12.	29/08/11	Berger Paint Industries	Nadiad	Paint & Colour Industries
13.	29/11/11	Sun Pharmaceuticals Ltd.	Halol	Medicines / Drug Production
14.	29/11/11	General Motors Indusry	Halol	Car Manufacturing Industry
15.	29/11/11	Rubamin Ltd.	Halol	Chemical Industry
16.	10/10/12	Zydus Cadila	Padra	Medicines / Drug Production
17.	17/11/12	Pitch Computer Industry	Gandhinagar	Software
18.	17/11/12	Science City	Gandhinagar	Science Fair and Seminar

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

There is no formal policy to promote consultancy. But many of our faculties are doing well in their subjective fields thus external agencies contact them to get advice/suggestions and utilize their expertise. This practice is carried out in sense of social services and thus it is free of charge for beneficiary agency. Our institute always encourages students and staff for academic and social visit outside in the form of visiting any industries; attend seminar, workshops, conferences, visiting NGOs. During such visits they interact with the respective field personals and as an outcome external agencies consult them for their needs.

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

The institution always plays supportive role to encourage the faculties to serve the society using their expertise. Some of such examples are cited as under:

The department of Chemistry was actively involved in Soil Health Card Project given by Government of Gujarat during 2011-2013.

Principal, Dr. V. S. Joshi extended his sincere services to act as Member, Editorial Board, Crystal Structure Theory and Applications, Scientific Research (Open Access online Journal, International Journal of Applied Physics, (Open Access online Journal) and International Journal of Opto-Electronics and Optical Technology, (Open Access online Journal) USA.

He also served as Member, Peer Team, Academic and Administrative Audit (AAA) to assess several colleges of states. He is a Member, Committee of Subject Experts for Physics Curriculum Development for the five year integrated B.Ed. - M.Ed. programme, Indian Institute of Teachers' Education (IITE), Gandhinagar and Committee Member to plan out and implement the semester system at Graduate Level (Gujarat University) in 2010.

He also appointed as a Member, Zonal Coordinator, East Zone of Knowledge Consortium of Gujarat (KCG), Education Department, Government of Gujarat for different Initiatives of KCG.

Prof. K. R. Trivedi has been nominated by Department of Education, Government of Gujarat as member in board of governors at BVM Engineering College, Vallabh Vidyanagar for three years (2014 to 2017). He is also an active member of Rotary Club of Petlad. He has served as coordinator in various committees like Polio Plus, The Rotary Foundation, Membership Development, Matching grants etc. at District level.

Dr. U. H. Vyas provides his expertise in website design and development of our College as well as other Colleges.

Prof. A. V. Pandya, encourage students, faculty members, Lab Assistants to participate in SCOPE, Cambridge University, UK programme through Digital Education and Learning Laboratory where online examinations are conducted.

As mentioned in following table, our teaching faculty members render their services to deliver their live lectures in “BISAG” (Bhashkaracharya Institute of Space Application and Geoinformatics, Gandhinagar) online Educational channel Gujarat government.

Sr. No.	Name of the Lecturers	Date	Title of the topic
1	Dr. J. A. Chaudhari	2008	“Inorganic Qualitative Analysis”
2	Dr. K. B. Anjaria	14/10/09	“Soil Ecosystem-Erosion”
3	Dr. U. N. Patel	18/01/10	“Molecular Spectroscopy”
4	Kalpesh Trivedi	08/02/10	“Semiconductors”
5	Dr. K. B. Anjaria	17/02/10	“Mitosis & Meiosis”
6	Dr. K. B. Anjaria	18/08/10	“Herbarium techniques”
7	Dr. K. B. Anjaria	17/08/11	“Plant families”
8	Dr. K. B. Anjaria	18/09/13	“Essential Oils”
9	V. N. Vora	18/09/13	“Essential Oils”

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 revenue generated in the “Soil Health Card” programme is Rs. 14,19,520/- (Rupees fourteen lac nineteen thousand five hundred twenty only). The project was carried out in department of Chemistry and remuneration amount was disbursed among the students and staff.

Year of Analysis	Samples	Staff	Lab Assistant	Students	Revenues in Rupees
2010-11 2011-12	16,683	4	6	43	14,19,520/- (Rupees fourteen lac nineteen thousand five hundred twenty only)

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 income generated through the consultancy is used for the welfare of the students as well as institute.

### **Soil Health Card Project**

1	25% of the Revenue to student
2	15% of Revenue to Staff
3	60% of Revenue to Institution (Equipments & Materials)

## **3.6 Extension Activities and Institutional Social Responsibility (ISR)**

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

- There are several activities carried out by institution to promote orientation and holistic development of students, institution-neighborhood-community

network and student engagement, contributing to good citizenship.

- Students of first semester register either in NSS, NCC or Sports. All such activities promote National moral, good values, discipline and social service, citizenship roles, sportsmen spirit.
- NSS unit carry out various community services during annual camp. The students are actively involved to perform several activities like health awareness, arranging medical checkup camps, Village cleanliness drive, Blood donation camp, Thalassemia awareness and check up camp, AIDS awareness programme, Tree plantation programme, pulse polio vaccination programme, Anti-tobacco campaign, organizing various competitions, Garba competitions, National Day's celebrations, Swami Vivekanand Janm Jayanti, Run for unity rally.
- To nurture moral values and building integrity the daily academic schedule begins with prayer.
- A divine lecture on “Road Map to Personality Development”, for peace of mind was delivered by Prajapita Brahmakumari Ishvariya Vishwa Vidyalaya.
- ‘Free Computer & Internet Training’, a unique one month programme was conducted for the senior citizens and members of Mahila Mandal at Digital Education & Learning Lab of our institute. More than 80 senior citizens learnt the basic computer operations, TALLY programmes, Word, Excel, Power Point, Internet browsing and email.
- An Eco-Socio survey on “Problems of Senior Citizens of Petlad taluka” was conducted by the students of Economics department.
- A seminar highlighting the Issues of ‘Ragging and anti-ragging law’ was organized with the cooperation of lawyers of Sessions Court.
- Department of Biology is actively involved in Bird Rescue Training Programme, Earth Hour, tree plantation, environmental awareness programs in collaboration with the department of Forest, Govt. of Gujarat, Gandhinagar, WWF-India.
- NCC unit of the college encourages cadets to participate in National Integration Camps, Army Attach Camps, CATC, RCTC, RDC and



International Youth Exchange Programmes. NCC also conducts Independence Day and Republic Day celebrations in the college.

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

The main four wings are NSS, NCC, sports and cultural activities. We track the progress of the students by their active role in respective disciplines. Students are encouraged to participate in various events and build up their inherent potentials in respective fields. Active students are sent to participate in regional, state or national level event of their fields. Under the "Saptdhara" activities Institute also sends selected students at different camps organized by universities and NGOs.

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

The institution receives valuable feedback from stakeholders. The college organizes Parents-Teachers meeting. Students are asked to fill feedback forms with their opinions about teaching, teachers and amenities.

Valued suggestions from students and parents are collected through suggestion box. We receive feedbacks at the meetings of parent-teachers association and casual meetings with parents.

Recently, ICT enabled system has introduced to receive suggestions from various stakeholders through a website [www.rkp.actplease.com](http://www.rkp.actplease.com) and cell number 9898377700.

⇒ **Students:**

The student representative communicates student's requirements and problems to the respective teacher or head of the department or Principal. Students also have freedom to approach the principal during working hours without prior appointment.

⇒ **Parents:**

The parents are clued-up about their children for the academic performance and attendance record through letters and phone calls.

Direct interaction of the guardians with the HoD is also encouraged. Parents of any students are allowed to meet the teacher/coordinators and principal on any day of the week at any time to make any suggestions or complaints.

⇒ **Staff :**

Staff meetings keeps the staff updated about changes and developments of the institute.

Most of the policies are implemented after consultation with the staff during staff meeting.

⇒ **Alumni :**

The alumni association organizes meetings for formal and informal interactions where any alumnus is free to give the suggestions.

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.

Every academic year, the extension and outreach programmes are planned and executed as per the academic calendar. The college has incessantly organized a number of such activities which has academic, social, cultural, ethical dimensions for the students. To cite few of such activities namely Computer and internet training program for senior citizens and members of Mahila Mandal, Spoken English classes, community service by NSS and NCC units, adventure excursions, Blood Donation Camp, Women health awareness, Awareness Rallis, Thalassemia testing, Earth Hour Day, AIDS Awareness, Global warming & Environmental awareness, Tree plantation.

**BUDGETARY DETAILS:**

	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
NSS	44,000	44,000	44,000	20,000	44,000	44,000
"Saptadhara" Cultural and KMP	60,000	1,01,000	60,000	---	---	60,000

All such activities are carried out to build a healthy society, making them responsible citizen and building up National moral, develop ethical values. Students also become aware of many aspects of rural life and challenges faced by the people of the villages. They learn about the importance of team work and other social skills.

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 orientation programmes are arranged for the fresher students to motivate and increase the participation in NSS/NCC/cultural and such extension activities. Extra coaching is arranged for those who miss classes due to participating in such activities. Such students are allowed to appear for retest examination if, the examination schedules overlaps with their program days or participation in outside campus activities. College also offering prizes awards and testimonials, to the meritorious and outstanding achievements. In NCC “Best Cadet” and “Best volunteer” in Boys and girls are announced. Such outstanding students are encouraged to participate and represent the institute at state and national level events.

Mr. S. V. Patel worked as a NSS programme officer to carryout NSS activity and Dr. R. T. Jasrai is appointed as an NCC officer to perform duties of national integration, these activities are encouraged.

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?

Since our College is in rural area, our students are mostly from lower income groups and under-privileged sections. These students are treated with full social justice and equity in all the activities of the College. Our institute does not discriminate either in the academic or in the co-curricular activities. These students of such community are never kept aside because of their community or social level. The institute creates a healthy environment by giving a real show of social

justice and equity. e.g. Cultural activities, Sports activities and celebration of certain usual days such as teachers day. College has provision to provide scholarships to students from under privileged and vulnerable sections of society.

During the NSS camp the volunteers of NSS make survey of the educational, social and the economical and psychological matters of the village people. An Eco-Socio survey on “Problems of Senior Citizens of Petlad taluka” was conducted by the students of Economics and Sociology departments.

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.

Extension activities are organized by the institute to inculcate moral values and skills, scientific temper and employing state of the art technologies in the students and faculty. Students are obtaining quality based education. The college is an equal opportunity institution established to provide knowledge and quality education to all sections of society. Various activities like health awareness, Campus cleanliness Drive, Blood Donation Camp, Thalassemia awareness, AIDS Awareness Programme, Tree Plantation Programme, Red Ribbon Club , Pulse Polio vaccination Programme, anti-tobacco campaign, Competitions: Patriotic song, Cultural activities-Garba competitions and Swami Vivekanand Rally- ‘Run for Unity Rally’. This type of extension activities ensures holistic development of students to make them enlightened citizens.

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 ensure the involvement of the community in its reach out activities and contribute to the community development by participating in the extension activities of NSS, NCC and Saptdhara programs.

- The local villagers are consulted initially for their involvement in the camp of the NSS activities. Where free eye check up camp and chashma shivir, children health checkup camp, Food recipe making competition, female foeticide (Beti Bachao), women health awareness program, blood donation camp, AIDS awareness program, environment protection, anti-tobacco and cleanliness awareness are organized for the benefit of local community with their active participation.
- The institute has organized 'Free Computer Training' for the senior citizens and members of Mahila Mandal for two months at our college. More than 80 senior citizens learnt the basic computer operations, computer based accounting, Word, Excel, Power Point, Internet browsing and communication through email conducted at free of cost in this programme.
- Various social surveys are carried out by the students of Economics and Sociology departments with active involvement of local community.

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.

We have developed constructive relationship with many of local institutions to carry out outreach and extension activities. Namely they are local government departments, village panchayats of our taluka, NGOs like Rotary Club, Red Cross, Jalaram Janseva Trust, Agricultural Produce Market Committee, Shri Sacchidanand Seva Samaj Trust, various local schools, PBM polytex industry, Pharmanza pharmaceutical industry, Amul dairy etc. With their constructive support we could carry out many of our extension activities for mutual benefit to students and community as well.

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.

Though our institute is well recognized and fetch due attention and respect for many of our rich social activities, yet to be felicitated in terms of award.

### 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.

The institution collaborates and interacts with research laboratory, institutes and industry for research activities. Two of our faculty members are research guide. For their research work they are working in collaboration with SICART, V.V.Nagar and university departments as per section 3.3.4.

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.

Formal MoUs are not being set up, but our institute is working mutually with some of the Government departments, NGOs, Industries for the benefit of the student community in larger context. The details are as under;

No.	Name of Institute / Govt. Department / NGO / Univ	Activity support
1	Department of Higher Education, Govt. of Gujarat	SCOPE & DELL
2	Forest Department, Govt. of Gujarat	Nature and environment related
3	WWF- India	Nature and environment related
4	Indian Red cross Society	Blood donation and Thalassemia check-up camp
5	Rotary International	Education and health
6	Pharmanja pharmaceutical	Industrial visit
7	Peach computers pvt. ltd., Gandhinagar	IT and its peripheral support
8	S. P. University, VVNagar	Laboratory support
9	Gujarat University, Ahmedabad	Laboratory and library support
10	Hemchandracharya North Gujarat University, Patan	Laboratory support

11	Community Science Centre, Vadodara & Vallabh vidyanagar	Our experts extends help to them
12	Dept. of Education, Govt. of Gujarat	Our experts extends help to them
13	Dept of Agriculture, Govt. of Gujarat	Soil analysis for farmers of state
14	Private industries/Bankers	Approach for placement and we arrange interview
15	BAOU	Running various Certificate and graduation courses
16	The M. S. University of Baroda, Vadodara	Instrumentation - Analysis of samples
17	Saurashtra University, Rajkot	Instrumentation - Analysis of samples
18	University of Jammu, Jammu Tavi	Instrumentation - Analysis of samples
19	SICART, VVNagar	Instrumentation - Analysis of samples

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.

- The Government of Gujarat had funded for soil testing. A laboratory was equipped with chemicals and some of the instruments like PH meter, conductometer, flame photometer, shaker, colorimeter, magnetic stirrer with hot plate, computer and printer.
- The Government of Gujarat had funded for infrastructure and provided 25 computers for developing Digital Education & learning laboratory.

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.

On 27<sup>th</sup> September, 2008 the department of Biology has organized UGC sponsored one day National Conference on “Taxonomy Teaching and Research: The

Relevance in the National Context”. More than 66 research papers were presented in the conference. In the Inaugural session Prof. M. K. Janarthanam, Goa University, had delivered Key Note address. Dr. K. V. Gururaja, Indian Institute of Science, Bangaluru, Dr. S. Karthikeyan, ex Director, BSI, Pune, Dr. Kauresh D. Vachhrajani, The M. S. University, Vadodara had delivered invited lecture in the conference. Dr. A. S. Reddy, Dept of Biosciences, S P. University; Prof. J. S. S. Mohan, Dept of Biosciences, S P. University; Prof. Yogesh T. Jasrai, Head, Dept of Botany, Gujarat University; Dr. Mahesh J. Kothari, Taxonomist- scientist, BSI, Pune, Dr. P. C. Mankodi Dept of Zoology, The M. S. University; Dr. B. L. Punjani, Head, Dept of Botany, Science college, Talod, North Gujarat University; Dr. I. R. Gadhvi Head, Dept of Marine science, Bhavnagar University; Prin. Dr. A. M. Patel, Dept of Botany, J and J Science college, Gujarat University; Dr. Bhavesh Patel, Dept of Biology, Science College, Indore have rendered their services as chairman and/or referees for competitions of best presentation in the conference. All these eminent personalities had enlightened the conference with their presence and extend motivation to young participants. The selected research papers were published as a special issue of The International Journal named as “Bioscience Reporter”, vol. 1 year 2010.

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 -

a) Curriculum development/enrichment:

Two faculty members as a capacity of Board of Studies and Two members as a capacity of Senate member of Gujarat University contribute for curriculum development and enrichment.

b) Internship/ On-the-job training – Tissue culture laboratory at Santokpura, Pharmanza Pharmaceuticals Limited, Dharmaj.

c) Summer placement: Training for campus interview through Placement Cell.

d) Faculty exchange and professional development: Bi-directional faculty exchange for PG teaching at various PG centres as well as UG teaching.



e) Research: Minor research projects are being carried out with the financial support of UGC, GUJCOST and College itself.

f) Consultancy: Many of our faculty members render their expertise as honorary service.

g) Extension:

NSS Camps at villages, Participation in intercollegiate/zonal /state level competition for cultural events, sports, academic events.

Students are taken for field study tours, for industrial visits, botanical tours for surveys, visit NGO centers.

h) Publication:

College magazine “Utthan” quarterly published.

i) Student Placement:

The placement details are as under;

No	Year	Placement (No. of Students)
1	2009-10	80
2	2010-11	--
3	2011-12	07
4	2012-13	20
5	2013-14	54
Total		161

j) Twinning programmes: Students may opt for BAOU correspondence program offered by College along with their full time degree program.

k) Introduction of new courses: Soft skill and foundation courses are introduced as per guidelines of affiliating University.

l) Student exchange: No.

m) Any other: Not formal students exchange program but students of other Colleges are actively involved in curricular and co-curricular activities like seminars, workshops, sports, cultural, essay, elocution competitions etc. organized by this College and vice versa.

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

: N.A.

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

## **Criterion – IV**

### **Infrastructure And Learning Resources**

*“Sharpening our assets through extensive utilization”*

## 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 college management is in favour to provide good infrastructure and environment that facilitate effective teaching and learning. The learning process should not be hindered due to lack of infrastructure. The management aims to provide an inductive environment to promote teaching and learning. Most of the departments have been provided with modern IT tools like desktops, laptops, and class rooms are ready with LCD projectors. All the classrooms, laboratories, departments and library are equipped with internet facility through LAN/ networking facility. Each department is provided with laptop, printer, scanner and peripherals.

The IQAC of the college analyze the requirements of the students and recommends Managing Trust for the improvement 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.

This is one of the colleges in Anand district with a very huge campus area of 25 acres land in which Arts & Science College building, Commerce and B.Ed. College building, Central Hall, Principal Bungalow, Girls and Boys hostels, Play ground, NCC room, Canteen area, etc., are situated.

Shri R. K. Parikh Arts & Science College building is 'E' shaped two storied with the following physical facilities:

College Building layout is separately attached. [See Annexure-4-A]

College infrastructure utility is shown in the following table:

Building utility information table

Room No.	Purpose of Utilization	Room No.	Purpose of Utilization
1.	Principal's Workplace	23.	N.C.C. Room
2.	Administrative office	24.	Sports / N.S.S. Room
3.	Ladies Room	25.	College Library
4.	Class Room	26.	Library audio-visual Room
5.	Physics Laboratory-1	27.	Class Room
6.	Class Room	28.	Class Room
7.	IQAC Room/ Physics-Maths Department	29.	Class Room
8.	Physics Dark Room	30.	Class Room
9.	Physics Store Room	31.	Digital Education and Learning Laboratory
10.	Physics Laboratory-2	32.	Class Room
11.	Computer Laboratory	33.	Class Room
12.	Trust Administrative Office, Campus Store	34.	Class Room
13.	Class Room	35.	Class Room
14.	Chemistry Laboratory-1	36.	Biology Laboratory
15.	Chemistry Laboratory-2	37.	Biology Museum
16.	Chemistry Department Room	38.	Class Room
17.	Chemistry Laboratory-3	39.	Arts faculty Staff Room
18.	Chemistry Laboratory-4	40.	Instrumentation and Preparation Room
19.	Chemistry Store Room	41.	Microbiology Laboratory
20.	Water Room – RO Plant	42.	Microbiology Staff Room
21.	College Store Room	43.	Aseptic Room
22.	College Central Hall	44.	Gents Urinal

**Classrooms:** 12 class rooms are used for routine class work. In 10 classes multimedia projector is used for teaching work.

**Technology enabled learning spaces:** 01 (DELL)

**Laboratories:** For science faculty, separate laboratories are available for different departments.

**Physics:** 02 Laboratories, 01 Dark room, 01 Staff & IQAC room.

**Chemistry:** 04 Laboratories, 01 Store room, 01 Staff room.

**Biology:** 01 Laboratory, 01 Museum.

**Microbiology:** 01 Laboratory, 01 Preparation room, 01 Aseptic room/ Inoculation room, 01 Staff room, 01 Store/ instrumentation/lab utility room.

**Computer Science:** Computer Laboratory with 23 computers and multimedia projector facility.

**Botanical garden:** Plants of medicinal and botanical importance are maintained in botanical garden.

b) Extra-curricular activities-sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

- College campus and play ground:
- The college campus is very huge (25 acres) with separate play ground facility for outdoor games.
- Play ground area is 28,707 sq.mts.
- Sports: Outdoor and Indoor games:
- In College campus facilities are available for outdoor games like: Kabaddi, Kho-Kho, Cricket, Athletics etc., and indoor games like: Table tennis, Judo, Chess, Wrestling, Weight lifting and Power lifting.
- 4- Station Multi-gym is also available for the students.
- For indoor games and Yoga; central hall is used by students, staff and others.
- Room No. 24 is also available for other utilities.
- Gymnasium and Auditorium: Central hall.

- **NSS & Sports:** NSS and Sports office in Room No. 24.
- **NCC:** Room No. 23 is allotted for the administrative work of NCC.
- Open air theatre for cultural activities.
- Interdepartmental connectivity through intercom, LCD TV to display notices/ announcements and 24X7 CCTV surveillance.
- Public speaking, communication skills development:
- Training programmes are held for the personality development of students under Placement/ Career Counseling Cell (Universal Development of Integrated employability Skills through Higher education Agencies - UDISHA) of the college.
- Yoga: Students are motivated for Yoga and physical education director is looking after this activity in college.
- Health and hygiene: For health check-up of the newly admitted students' special team of doctors from Shri Krishna Hospital & Research Centre, Karamsad is called once in a year.
- Health Insurance Card facility for the students is made available under "Red Ribbon Club".
- In addition to routine health check-up, Thalassemia check-up is also done.
- To make them health and hygiene conscious; a special elective paper is taught in Semester – IV.
- To help them during minor injuries, First-Aid facility is available in college administrative office and sports room.
- For fire safety, Fire extinguishers are available in Chemistry, Physics & Microbiology Laboratories.
- To avoid injuries during washing/ cleaning in laboratories, peons are provided with acid-proof gloves.
- To avoid exposure to dust particles during sweeping, Peons/ sweepers are also provided mask.
- Regular cleaning of wash/ utility area is done by Shri K. S. Harijan using phenyl/acid.

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).

Master plan of the institution is separately enclosed. [See Annexure : 4-B]

The Arts & Science College main building was constructed in 1945 with a unique design and vision of the Managing Trust.

As per the academic requirements the college infrastructure is being expanded and maintained/ renovated.

The college management is also taking keen interest in acquiring matching grants from UGC. In last three years management has utilized total Rs. 2,09,404 for the maintenance/ repairing of the college building (Sports/ NSS/ NCC rooms, Microbiology Lab., Arts class rooms' wing, and other infrastructure).

The details of expansion, maintenance/ renovation of the college infrastructure are shown in the table.

Sr. No.	Infrastructure	Grant Head	Amount Spent Rs.
1	China mosaic tiles work on Microbiology Department terrace (Feb-March:2014)	UGC	1,08,947
2	China mosaic tiles work on Arts class room nos. 31-34 terrace. (Feb-March:2014)	UGC	33,130
3	Sports/ NSS/ NCC rooms (11-12, 12-13)	Management	15,728
4	Other general repairing of the building- last 3 years.	Management	51,599
		Total Rs.	2,09,404



⇒ **Future Plan:**

- To construct a separate central library building.
- To construct an Auditorium.
- To develop audio-visual class rooms.
- To create facility for career and placement cell, exam room, staff meeting room.
- To develop rain water harvesting system in the campus.
- To make the campus “Green” by plantation.

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

The institution is committed to help and accommodate the students with physical disabilities. The ground floor of the College is accessible with the ramp for physically disabled students. The seating arrangement for such students is made on the ground floor of the college building during examinations.

In case of visually challenged students, writer is also allowed during examinations (with prior permission).

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

- Hostel Facility – Accommodation available:  
Boys and girls hostel facility is available in the college campus.  
Boys Hostel: Capacity = 36 Rooms  
Girls Hostel: Capacity = 13 Rooms
- Recreational facilities, gymnasium, yoga center, etc.: College central hall is available.
- Computer facility including access to internet in hostel: Such facilities are not available in hostel, but during college hours free internet access is available in departments and college library.
- Facilities for medical emergencies:
- To help them during minor injuries, First-Aid facility is available.

- Health centre is functional at Bhaktinikatan Ashram, which is nearby the college campus.
- Near College crossing, hospitals of Surgeon and Physician are located, which is barely 01 Km from the college campus. They provide services as when needed.
- In emergency 108 services is used.
- Library facility in the hostels: News papers available for reading.
- Internet and Wi-Fi facility: Not provided.
- Recreational facility-common room with audio-visual equipments: Not available.
- Available residential facility for the staff and occupancy: Not available.
- Constant supply of safe drinking water: Available with R.O. plant.
- Security: On the campus private security is available for 24X7.

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?

For health check-up of the newly admitted students, special team of doctors is called once in a year. The students are provided “Krupa” health card from Shri Krishna Hospital, Karamsad.

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.

Sr. No.	Common facilities	Location
1	IQAC	College NAAC- Work Room.
2	Grievance Redressal cell	Principal Office
3	Collegiate Women’s Development Cell (CWDC)	Art’s Staff Room
4	Counselling and Career Guidance, Placement Cell	Chemistry Department Staff Room

5	Recreational spaces for staff and students	Central Hall
6	Safe drinking water facility	Room No. 20 is allotted for RO Plant
7	Auditorium	Central Hall
8	Canteen	Separate Space available in college campus
9	Ladies room	Room No. 3 available as ladies room
10	Sports/ Athletics	A huge play ground is available in college campus

## 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?

➤ Yes, The Advisory Committee consists of the following members:

➤ College Library Committee:

Prin. Dr. V.S. Joshi (Principal) - Chairperson

Shri S. M. Parekh (Librarian) – Convener

Members:

Dr. G. D. Chaudhari

Mr. B. D. Joshi

Mr. I. A. Shaikh

Dr. U. N. Patel

Mr. K. R. Vankar

Dr. V. R. Patel

Student Members (Two)

➤ The college has a library committee to look after the needs and developments of the library. The library committee works to coordinate the smooth

functioning of the library. Major decisions of the library are taken collectively by the library committee. The grievances or complains regarding library are addressed by the committee. The student representatives from Arts and Science faculties are also members of the committee. A suggestion box is also available in library.

- The other facilities available in the college library are:
  - Internet facility
  - Network facility
  - Digitalization and bar-coding
  - Publication committee looks after publication of quarterly College magazine “Utthan”.
  - New arrived books are displayed in “New Arrival” showcase.

#### 4.2.2 Provide details of the following:

- Total area of the library (in Sq. Mts.): The total area covered in college library is 165 sq. mts.
- Total seating capacity: The total seating capacity of library at a time is about 50 Students
- Working hours (on working days, on holidays, before examination days, during examination days, during vacation)
  - (a) On working days the library is open for seven hours from 10:30 am to 05:30 pm.
  - (b) On holidays the library is closed.
  - (c) Before examination days and during examination days library is open for eight hours from 10:00 am to 06:00 pm.
  - (d) During vacation library is open for six hours from 11:00 am to 05:00 pm.
- Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

The layout of Library is separately attached. [See Annexure-4-C]

The library working area mainly includes:

- (a) Book – issue return counter.
- (b) Free internet access zone for students and faculties (UGC-NRC)
- (c) Reading area.

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.

The requirements of books by individual departments are sent to the library. The library committee on rational basis recommends the purchase of the requested books. The current titles, important journals and other reading materials are acquired by the library in concurrence with the library committee and concern subject department with the approval of Principal.

Library holdings	2010-11		2011-12		2012-13		2013-14	
	Number	Total cost	Number	Total cost	Number	Total cost	Number	Total cost
Text books	16	123704	735	177393	891	222622	44	1,28,022
Reference books	773		842		334		203	
Journals/ Periodicals	47	21260	59	31000	48	28150	12	10,800
E – resources	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Any other specify/ News paper	06	728	06	728	06	741	06	741

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

Sr. No.	Access to the Library collection/ Facilities	Availability
1	OPAC ( Online Public Access Catalogue)	Yes
2	Electronic Resource Management package for e-journals	N-List of INFLIBNET is available
3	Federated searching tools to search articles in multiple databases	No
4	Library Website	included in College website
5	In-house/remote access to e-publications	Yes
6	Library automation	SOUL software is used for library automation
7	Total number of computers for public access: UGC - NRC	04
8	Total numbers of printers for public access	01
9	Internet band width/ speed	512 kbps
10	Institutional Repository	Back volumes are available for limited years
11	Content management system for e-learning	ADNIET, N-list is used
12	Participation in Resource sharing networks/ consortia	INFLIBNET

4.2.5 Provide details on the following items:

Sr.No.	Access to the Library collection/ Facilities	Information/ Details
1	Average number of walk-ins	125/ day
2	Average number of books issued/returned	85/ day
3	Ratio of library books to students enrolled	25:1
4	Average number of books added during last three years	3,049
5	Average number of login to opac (OPAC)	---
6	Average number of login to e-resources	05/ day
7	Average number of e-resources downloaded/printed	Average 05 - 10/ day
8	Number of information literacy trainings organized	Newly enrolled students are oriented with library information once in a year
9	Details of “weeding out” of books and other materials	1500 - 2000/ 05 years

## 4.2.6 Give details of the specialized services provided by the library

Sr. No.	Specialized services provided by the library	Availability
1	Manuscripts	No
2	Reference	Yes
3	Reprography	Not available in library, but Xerox facility is available in the Campus store. Teaching material is provided free of cost to the students enrolled under Remedial Coaching classes.
4	ILL (Inter Library Loan Service)	ILL with Sister colleges in the campus and Public libraries of Petlad and surroundings.
5	Information deployment and notification	The information related to competitive exams, current issues and new arrivals are displayed in the library display board.
6	Download	Available
7	Printing	Available
8	Readinglist/Bibliography compilation	Yes
9	In-house/remote access to e-resources	Yes
10	User Orientation and awareness	Yes
11	Assistance in searching Databases	Yes
12	INFLIBNET/IUC facilities	Used by some faculties/ research students

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

- A set of reference/textbooks is provided to the students of science faculty.
- In Arts faculty two books for a week are issued to the students.
- Faculty members are provided with reference/ text books as per demand.
- Regular display of educational articles, employment information.

- Question paper sets are provided to the students.
- Internet facility UGC – NRC available.
- Periodicals and Journals are issued on demand.
- Daily News-papers and Magazines are available.

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

Till date, absolute visually disabled students have not taken admission in our College; hence special facility has not been created for such students.

For physically challenged students, seats are reserved in the seating arrangement of the library.

The library staff helps such disabled students in accessing the library issue – return facility, and other facilities.

The institute is planning to develop permanent facility for the physically challenged persons.

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

Feedback for the library is obtained through general feedback mechanism. Suggestion box is kept near the entry door in the library. This is helpful in getting feedback from its users. The feedbacks are analyzed and necessary actions/initiatives are taken.

### 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):



Sr. No.	Configuration details	Available No.
01	Celeron 1.7 GHZ , 128 MB RAM, 18" LCD COLOR MONITOR /NCOMPUTING	06
02	Celeron 2.8 GHZ , 1 GB RAM, 80 GB HDD ,18" LCD COLOR MONITOR	05
03	Core 2 Duo 2.2 GHZ , 2 GB RAM 500 GB HDD, ,18" LCD COLOR MONITOR	02
04	DMD Dule Core 2.21 GHZ, 1 GB RAM, 150 GB HDD, 15" COLOR MONITOR	25
05	Dule core 1.6 GHZ,512 MB RAM, 80 GB HDD, 18" LCD COLOR MONITOR	01
06	Intel Core 2 Duo 2.5 GHZ, 2 GB RAM, 500 GB HDD, 18" LCD COLOR MONITOR	04
07	Intel Core 2 Quad 2.5 GHZ, 3 GB RAM, 500 GB HDD, 18" LCD COLOR MONITOR	01
08	Intel dual core 2.8 GHZ, 1 GB RAM, 500 GB HDD, 18" LCD COLOR MONITOR	02
09	Intel Dule core 1.6 GHZ, 512 MB RAM, 80 GB HDD, 18" LCD COLOR MONITOR	01
10	Pentium 2.8 MHZ , 512 MB RAM, 80 GB HDD, 18" LCD COLOR MONITOR	03
11	Pentium Dual Core 3 GHZ 2 GB RAM, 500 GB HDD , 15" COLOR MONITOR	01
12	Pentium (R)dual core 2.8 GHZ, 1 GB RAM, 500 GB HDD, 18" COLOR MONITOR	07
13	Pentium (R)dual core 3.0 GHZ, 2 GB RAM, 500 GB HDD, 18" COLOR MONITOR	06
14	Pentium dual core 2 GHZ 1 GB RAM, 500 GB HDD, 18" COLOR MONITOR	02
15	Xenon (Server) 3.0 GHZ 4 GB RAM , 160 GB HDD	01
	TOTAL	67

➤ Other IT infrastructure to empower teaching and learning process:

Sr. No.	Name of the device	Available Nos.
01	Laptop (Configuration)	
	Intel(R) Core i5 ,2.67 GHZ, 4 GB RAM, 500 GB HDD,512 MB GRAPHIC CARD	02
	Intel(R) Core i3 ,2.67 GHZ, 4 GB RAM, 500 GB HDD,512 MB GRAPHIC CARD,	02
	Intel(R) Core i3 ,2.88 GHZ, 2 GB RAM, 500 GB HDD, WIFI	02
	Intel(R) Core i5 ,2.67 GHZ, 4 GB RAM, 500 GB HDD,512 MB GRAPHIC CARD, WIFI(KBA)	01
	Intel(R) DULE Core ,2.2 GHZ, 3 GB RAM, 300 GB HDD, WIFI	01
	Intel(R) DULE Core ,2.2 GHZ, 3 GB RAM, 300 GB HDD, WIFI	01
	Intel(R) Core i5 ,2.67 GHZ, 4 GB RAM, 500 GB HDD,1 GB GRAPHIC CARD, WIFI	01
	Intel Pentium 220 GHZ, 2 GB RAM, 220 GB HDD	01
	Total	11
02	Net book	
	HP - MINI210-1000,INTEL(R)ATOM(TM) CPU N450 1.66MHZ,1 GB RAM, 220GN HDD	01
	DELL- INTEL(R) ATOM CPU 450@1.66MHZ , 1 GB RAM 220 GB HDD	02
	Total	03
03	Multimedia projector	14
04	Laser printer	10
05	4 in 1 Printer/ Fax	01
06	Laser color printer	01
07	Scanner	06
08	Digital camera	03
09	Wi-Fi Routers	03
10	Handy cam	01
11	Web cam	27
12	NMEICT Broadband connection	20
13	Intercom	12
14	USB DVD writer	02
15	USB portable Hard disk	02
16	Slide changer for presentation	01
17	UPS	10
18	Stabilizer	04
19	CCTV camera	26
20	LCD TV	02

- Computer – student ratio : 1:24    1200 students and 53 Computer (23 Computer lab +25 DELL+5 library)
- Stand alone facility: Yes
- LAN facility: Computers in Digital Education Learning Laboratory (DELL), Computer lab and administration office are connected in LAN.
- All Computers are connected with centrally campus server.
- In 2012-13 internet and network facility was made available in college campus. This was made possible with the use of a common server for all.
- Wi-Fi facility: Wi-Fi facility is restricted and only available at certain places like Computer, Physics, Chemistry and Biology Departments.
- Licensed software:
- All Laptops are purchased with licensed operating system.
- Centrally Server is purchased with licensed Operating system and Firewall with licensed software.
- TECHSIS software is used for office administration work.
- SOUL software is used for library automation.
- BULATS software is installed in DELL for SCOPE online exam.
- Antivirus: Quick Heal antivirus software is installed in the administrative office, Library, DELL and in all the departmental computers depending on data security requirements.
- Application Software: Microsoft office-10, two user purchased.
- Open Source Software: Open office software, word press, Wampserver, downloaded and used by computer department.
- Number of nodes/ computers with Internet facility: 84.

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

⇒    On the Campus facility:

- Free Internet facility is for all staff members and students.
- Internet can be access from all computers.
- The College has well equipped computer lab with Internet, LAN and Wi-Fi facility.

- The Digital Education Learning Laboratory (DELL) is established with the help of State Government having the facility of 25 computers connected in LAN with Webcam and Head Phone. 10 BSNL VPN modems are available to conduct online exams. Spoken English software (GLOBARINA) is also installed on all the nodes.
- All computers in the Computer Lab, DELL, Administrative office and Library are connected in LAN.
- Most of the class rooms are well furnished with internet connection and multimedia projectors.
- Internet access point is fixed i.e. internet is accessible in each class room, main corridor of college, corridor of library, library, DELL, Computer lab, all departments, staffroom, administrative office, Sports and NCC office.
- Students with laptops / Tabs are allowed to access internet through Wi-Fi in the computer department.
- Computer Lab, Physics, Chemistry and Biology Departments are having Wi-Fi facility.
- Teaching faculties have been well-equipped with Laptops, Net books, CDs, DVDs, Pen drives, etc., for preparing their study materials in digital format.
- UGC-NRC (Network Resource Center) has been established in the library. It is used by faculty members and students for their subject based / research based/ assignment based solutions.
- Library automation has been made possible by using SOUL software.
- Administrative office is using TECHSIS software for admission procedure, fees collection, and for generation of various types of reports.
- Administrative office is keeping liaison with Gujarat University and State Government through IT resources for their respective work.
- To make the newly admitted students IT oriented, College is giving Computer Science paper as a compulsory elective paper to all the students of B.Sc. Semester-I.
- International journal subscription.

⇒ Off the Campus facility:

- The college has purchased 11 laptops and 3 net books for faculty members. Faculty members can use such devices, off the campus for preparation of lecture presentations in conferences, workshops, and seminars.
- The faculty members are using their own devices for data portability off the campus.

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

With the imaginative nature and vision of our Managing Trust and Principal, the college has established excellent IT infrastructure within last few years.

During 2013-13 network facility was made available to all the colleges in the College campus. This was made possible with the use of a common server for all.

We are maintaining IT infrastructure by calling local agency.

For further improvement of IT infrastructure we have planned the following strategies:

- To upgrade existing computers configurations.
- To purchase new computers with latest configurations to decrease the computer student ratio.
- To upgrade software.
- To protect all computer systems from malware/ spyware/ viruses and other threats by using license version Antivirus/ Total security.
- To install KIOSK at certain places in the college building to access Internet and its facilities.
- To provide student login facility in college website.
- To provide link on college website for online registration of college alumni.
- To provide online study material on our website.
- To provide Laptop to faculty members and Administrative staff.
- To develop study material in regional language for student access.
- To develop Virtual Class Rooms, which are well equipped with Internet, LCD projector, Interactive board, and Audio- Visual system.

- To establish well developed examination system using computer, OMR reader, software, etc.
- To gradually develop online examination system.
- To start new Certificate /Diploma courses related to IT.

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 (Yearwise for last four years)

- Network facility was made available to all the colleges in the campus.
- Details of the budget allocated during the 2008 to 2013.

Year	2008-09	2009-10	2010-11	2011-12	2012-13
UGC	1,500	4,510	1,78,510	3,34,569	14,670
COP	32,645	1,00,600	51,200	67,600	1,40,250
Remedial	-	-	1,46,693	84,185	66,800
Total Amount Spent Rs.	34,145	1,05,110	3,76,403	4,02,169	2,21,720

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 teachers have been using ICT resources in teaching with traditional method of teaching to enrich their curriculum.
- Teachers are equipped with Laptops, Net-books, CD, DVD, Pen drives, etc., for preparing their study materials in digital format.
- The study material or reference material is not available in regional language, teachers prepares their respective subject material in regional language by using IT resources and present it in digital format.
- Students are getting study material in digital format from teacher in Pen drive, CD, and in email Attachment.
- College has purchase reference educational video CDs of various subjects as per demand by subject teacher.

- College has purchased lectures DVDs of various subjects from BISAG, DVD contain lecture of eminent teacher of respective subject.
- Filling the online forms for various competitive examinations and government jobs is free of cost. Also training programs were announced time to time and successfully conducted by Career and Placement Cell (UDISHA) and placement cell.
- Students are getting college information, event information, time table, exam schedule, event news and photo graphs, Internal marks, etc from college website.
- Most of the class rooms are well furnished with internet connection and multimedia projectors to demonstrate live streaming of educational videos, pictures, and presentations from educational websites.
- College has its own face book page where students are getting College information off the campus. Also Physics and Chemistry departments have created whatsapp group.
- Administrative office keeps touch with students through SMS (Short Messaging Service) as and when required.

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.

U.G.C. funded and Gujarat University approved Career Oriented Programme, Computer certificate and Diploma (COP) run by College from 2007 to 2011.

Course Type	Course Name	Faculty	Course Duration
Certificate	Webpage Designing and Printing Technology	Arts	One year
Certificate	Computer Application and Programming	Science	One year
Diploma	Webpage Designing and Printing Technology	Arts and Science	One year

- College has been regularly organizing IT theme based Workshop/Seminar Sponsored by UGC, UGC-COP Programme, self funding for college teachers and students of different institutes/ Colleges wide Gujarat state.

No	Workshop/Seminar Title	Date and Year
1	"Harnessing Information Technology in Higher Education"	20th January 2007
2	"Tips To Technology Trio"	30th January 2008
3	"Tapping Talent for Triple Technology"	27th December 2008
4	"Prologue and Relevance of MATLAB"	28th January 2010
5	"Internet and Its Spheres of Influence"	28th January 2011
6	"Internet and Web Designing Tools"	04th February 2012
7	"e-Content Development for Higher Education"	11th & 12th September 2013

- College has run short term free course for senior citizens as well as members of Mahila Mandal of Petlad town.
- College has run free computer based accounting course for students during summer vacation and before/after College hours.
- Knowledge Management Program for Faculty (KMPF) was organized for College teachers to develop their skills of using IT resources.
- Computer Department has been started Certificate in Computer Concept (CCC), of Baba saheb Ambedkar Open University, Ahmedabad (BAOU) from January-2012 for College students and others. The course is made compulsory by state government for getting any job announces by state government.
- Digital Education and Learning Lab (DELL) provides facility for online SCOPE exam for on the campus and off the campus students.
- e-content workshop sponsored by UGC and BISAG-SANDHAN was organized by the institution for teachers and students to enhance the ICT enabled teaching and learning process.



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. Internet access under UGC – NRC is available in library. Under NME – ICT, BSNL VPN facility is available in the college. The 20 VPN connections are available.

#### 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 college grants acquiring committee acquires grants from UGC, State Government and other donors. It also ensures optimum allocation and utilization of the available funds.

It works in following sequence:

- To collect the demand from various departments.
- To analyze the demands.
- Allocation of budget as per requirement.
- Invite tenders from different agencies.
- Comparative study of the received tenders.
- Selection of agency with lowest cost and qualitative work.
- To place the order.
- The Institution is making adequate efforts for the maintenance and upgradation of the college infrastructure. The college management is also taking keen interest in acquiring matching grants from UGC.
- Details of budget allocation during last four years:

Sr. No.	Budget Heads	2011-12	2012-13	2013-14	2014-15
1	Building	21,000	21,700	57,601	1,26,000
2	Furniture	-	24,139	-	2,35,000
3	Equipments	-	-	-	62,000
4	Computers	22,650	68,235	70,125	83,735
5	Vehicles	-	-	-	-
6	Any Other	2,870	8,275	1,120	5,827

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the College?

College general maintenance committee is formed to look after this type of work. The maintenance committee is consisting of the following members:

1. Mr. K. R. Trivedi (Convener)
  2. Mr. V. R. Bhavsar
  3. Mr. Snehal Kachhia (Invited as Trust member)
  4. Mr. D. N. Panchal
  5. Mr. R. R. Rabari
- The Managing trust has appointed Engineer Shri J. K. Patel as a supervisor/ advisor to help in solving infrastructure maintenance related queries.
  - Full time Electrician Shri P. R. Patel looks after the electrical problems.
  - Plumbing and LPG gas related work is maintained by Shri D. N. Panchal (Gas mechanic).
  - AMC is done for maintenance of drinking water RO plant.
  - For IT related maintenance, Dr. U. H. Vyas and local IT experts are called.

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

All the departments of science faculty are arranging for such maintenance as per their requirements.

- In Physics department, instruments are regularly maintained and calibrated by Electrician Shri P. R. Patel.
- In Microbiology & Biology Department, microscopes and laboratory instruments are regularly maintained and calibrated by technicians from service centre.
- In other departments also regular maintenance is done by technicians from service centre.

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

- To avoid surge damage, high voltage stabilizers are fitted in Microbiology Laboratory, computer lab, and Physics Lab.
- To protect PCs from such damage UPS available at certain places.
- Three phase electrical line is available to operate heavy power consuming instruments.
- In addition to regular maintenance, valuable instruments are kept in a safe place in the laboratories.
- RO Plant is available for safe drinking water with stabilizer.

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

The following infrastructure and learning resources are available in the college for teaching and learning:

- Digital Educational Learning Laboratory (DELL).
- Facility for online SCOPE Exam is available at the centre.
- Botanical garden for the study of plants.
- Museum for biological specimens.
- Charts and working models for easy learning.

## **Criterion – V**

### **Student Support And Progression**

*“Activities :  
~ Of the students  
~ for the students ~ by the students ...*

## 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. The institution publishes its updated prospectus/handbook annually having all the details about following:

- ✓ All available courses.
- ✓ Subject combinations.
- ✓ Fee structure as per university guideline.
- ✓ Facilities of library.
- ✓ Good infrastructure.
- ✓ Modern computerized library.
- ✓ Separate hostel facilities for boys and girls.
- ✓ Faculty information.
- ✓ Co-curricular activities of sports, NCC, NSS, Saptdhara.
- ✓ Scholarships available from governments and other NGOs.
- ✓ Career and Placement cell.
- ✓ Rules of attendance to appear for final exam.
- ✓ Disciplines and behaviors expected in campus.

The same is available on our college web site too, which is updated regularly. The college publishes a quarterly magazine titled, 'UTTHAN', containing information about College activities and special achievements with photographs as well as the scholarly articles of teachers and 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 government scholarship is distributed to the students account through ECS banking.

The scholarship details provided for SC, ST, OBC (SEBC) and Minority are listed below,

YEAR	2010-11	2011-12	2012-13	2013-14	2014-15
Amount Rs.	4,23,634	5,42,660	20,21,420	20,21,420	9,42,295
Category	No. of students				
SC	76	86	148	148	138
ST	---	04	12	12	38
OBC	152	174	234	334	402
Minority	---	---	43	47	39

In addition to above, College submit the proposals of students to receive scholarships like Shri Sacchidanand Seva Samaj Trust, Bhaikaka foundation and various social institutes. The amount is directly deposited in student's bank account.

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

Funding agency	% of students in last year 2013-14
Government of Gujarat	38.48%

5.1.4 What are the specific support services/facilities available for

- ⇒ Students from SC/ST, OBC and economically weaker sections  
Free extra coaching, free reading material, scholarship provided to SC, ST, OBC and economically weaker sections-students.
- ⇒ Students with physical disabilities
  - Differently abled students are allotted their seating arrangement at the ground floor class rooms during examinations.
  - To facilitate the movement of the physically handicapped students with ease NSS/NCC volunteer students helps them.

- During the examination period scribes / professional writer authorized by the university authorities are provided as and when needed.
- ⇒ Overseas students
  - No overseas student in the college.
- ⇒ Students to participate in various competitions/National and International
  - The students are motivated to attend such competitions. Due to their participation in events if they are not able to remain present in classroom learning thus their compulsory attendance is waived and they are allowed to attend extra coaching class as well as allowed to appear for retest/additional examination. Every year students participate in cultural activities like youth festival, Saptdhara events and sports competitions. For matching their expenditure of lodging and boarding, financial assistance is provided by the institute. To motivate the students institute provides photographs to participants in their participating events free of cost.
- ⇒ Medical assistance to students: health centre, health insurance etc.

A team of doctors from Shri Krishna Medical Hospital, Karamsad and Indian Red cross Society, Ahmedabad offer their free services of medical checkup and Thalassemia checkup for newly enrolled students. The students are offered 'Krupa Health Card' to avail free treatment of worth Rs 5000/- from Shree Krishna Medical Hospital, Karamsad.
- ⇒ Organizing coaching classes for competitive exams

Our Career and Counselling Cell organizes experts' lectures, seminars and workshops for preparation of competitive exams.
- ⇒ Skill development (spoken English, computer literacy, etc.,)
  - The English improvement classes and SCOPE exam (functional English through Digital Education and Learning Lab) has been conducted in the college regularly by Experts.
  - The college offered free Basic and Advanced level computer courses for all the students.
  - The one year course of Computer based accounting also conducted free of cost for the students.

⇒ Support for “slow learners”

Remedial classes are conducted for each subject where they are taught again to clarify their doubts. To ascertain their progress remedial extra test is also being arranged for them.

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

The students are encouraged to participate for field excursion, visits to important institutes. The students visit SICART (Sophisticated Instruments Centre Applied Research and Testing), Community Science Centre, Post graduate and research centre of Sardar Patel University, V.V.Nagar, Pharmaceutical industry (Vadala), textile industry (Petlad), Science city, Ahmedabad.

⇒ Publication of student magazines

Student magazine ‘UTTHAN’ is published by the college with the participation of the students.

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

- During summer vacation special hands on training for Beauty parlor, best from waste, agarbatti and rakhi making, sewing etc. is organized by career and placement cell.
- Department of Chemistry had set off phenyl preparation at home and soil testing project funded by government of Gujarat.
- Professional training of computer based accounting, MS Office, DTP and Photoshop is conferred at our DELL centre.
- College placement cell organizes inspirational lectures of eminent entrepreneurs.

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.



Additional academic support, flexibility in examinations

- Additional academic support and flexibility in appearing midterm examinations is provided by the college.
- The students unable to remain present in regular classes are eligible for attendance waiver and they get benefit to attend extra coaching classes. They are also allowed to appear for retest examination.

Special dietary requirements, sports uniform and materials

- Special dietary need for students of NSS, NCC and sports are fulfilled by providing snacks and energy drinks during the events.
- The institute is also providing special sports uniform to those students who representing the college in important competitive events.
- Same way NCC cadets also get uniform and related dress materials from NCC unit.
- Sports players and NCC cadets are provided health drinks and nutritious breakfast during their regular practice, parades and National days.

Any other...

- We arrange expert's guidance, mentor's support and encouragement for participation at various cultural events or academic competitions.
- Students who are participating in cultural events are supported by providing musical instrument, readymade dresses as per requirement of the events, extra coaching by professional masters of that particular activity.
- Sports students are encouraged to participate for various level competitions. They are provided full support for their practice; uniform/dress is made available for their participation. Their routine nutritive requirement is also fulfilled by providing energy food to them during practice as well as during their tournament days.
- NCC cadets are encouraged to attend their routine parade as well as to participate in state and national level camps. They have been given the uniform, shoes, energy food, remuneration based on their daily attendance in parades.

- The institute also encourage the students for active participation in inter college level competitions. They appear for quiz, essay writing, written examinations etc. Academic material and expert's advice is provided to them.
- The students participate for such extracurricular and co-curricular activities are encouraged by providing travel expense form the institute. The institute also ensures that student get necessary concession for lodging and boarding. The registration charges for various events are borne by the institute.

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.

It is also worth to mention that career and placement cell organizes coaching classes for different state level competitive exams like PI, PSI, constable, talati etc. SMS alert facility is also available for registered students regarding these exams.

Our library is enriched with many books and magazines for preparation of competitive exams. We don't have record for those who cleared nationally important academic exams after their PG. But it is worth mentioning that many of our alumni students regularly visit our library and avail the reading of such books for their competitive examinations.

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

➤ **Personal counseling:**

There is student mentor system where a teacher is allotted with nearly 20 students and attends individually their personal problems.

➤ **Academic Counseling:**

The academic counseling is provided at the time of admission where the admission committee addresses the problems and assist students to understand the CBCS system and subjects selection.

➤ **Career counseling:**

There is a Career and Placement Cell which guides and instructs the students about all opportunities and preparation of competitive exams etc.

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 a Career and Placement Cell (UDISHA) for the students. The coordinator Dr. Rakesh Jasrai with the committee members actively engaged in such activities. Every year this cell organizes expert's lectures, seminars and training to expose the student community for job opportunities as well as to prepare them for interview. We had campus interviews by ICICI bank, Vadodara for junior executive on 20/02/2013. Out of 155 students appeared for the interview 20 students were selected for the job.

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 a Grievance Redressal Cell (GRC) headed by Dr. U. N. Patel. Its main function is to rectify the grievances raised by the students/staff. The suggestion/grievance box is kept at easily accessible place in college. This is being attended once in every month by committee. Besides any student/staff member can approach directly to the principal for

his or her problem and that is attended immediately by the GRC. No major grievances are reported.

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

To prevent and deter the commission of any act of harassment, College has established Collegiate Women's Development Cell (CWDC) as per the guidelines of University. The members deal with problems of girl students.

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 Grievance Redressal Cell (GRC) also extends their services as Anti Ragging Committee (ARC) to avoid ragging in the college campus. Though, we did not face any incident in the campus regarding this matter. During the welcome program named as "Praveshotsav" for new entrants, seniors welcome them by offering flowers. This practice may play an important role to stop ragging. The College premise is under surveillance to prevent ragging within the campus.

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

- Merit prizes from the management to the students who excel in their examinations.
- Thalassemia checkup camp, health check up every year.
- Hostel facility has been provided to boys and girls.
- Canteen for hygienic food.
- Student counseling cell.
- Book bank facility for science student.
- RO treated and purified drinking water facility.
- Free remedial coaching classes.

- Providing “Krupa” health card to get treatment worth Rs. 5000/- at Shri Krishna Hospital, Karamsad.

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

The Alumni Association has been constituted in January 2014. The association members meet quarterly. Many of the alumni are occupying prominent positions in their professions. Their valuable suggestions are implemented for the overall development of the students and institute. The members provide support for UDISHA activities, students’ welfare, and social outreach activities.

## 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.

Student progression	2010-11	2011-12	2012-13	2013-14
UG to PG	71	66	151	174
PG to M. Phil.	---	---	---	---
PG to Ph. D.	---	---	---	---
Employed	---	07	20	54
Campus selection				
Other than campus recruitment	----	---	---	---

- The figures in above table are number of students.

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-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.

Programme	2010-11	2011-12	2012-13	2013-14
	Result in percentage			
F.Y. B.A.	55.94	---	---	---
B.A. SEM-1	---	48.47	44.13	43.21
B.A. SEM-2	---	77.14	60.40	46.34
S.Y. B.A.	82.96	69.37	---	---
B.A. SEM-3	---	---	76.67	72.93
B.A. SEM-4	---	---	82.91	70.71
T.Y. B.A.	80.73	77.87	76.98	---
B.A. SEM-5	---	---	---	83.19
B.A. SEM-6	---	---	---	70.54
F.Y.B.Sc.	44.23	---	---	---
B.Sc. SEM-1	---	31.87	36.60	40.36
B.Sc. SEM-2	---	52.33	64.18	41.80
S.Y. B.Sc.	96	62.89	---	---
B.Sc. SEM-3	---	---	42.86	50.32
B.Sc. SEM-4	---	---	46.34	35.19
T.Y. B.Sc.	80	93.67	44.33	
B.Sc. SEM-5	---	---	---	40.48
B.Sc. SEM-6	---	---	---	44.00

- Comparative data of other Colleges within district is not available.

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

The institute has constituted Career & Placement Cell (UDISHA) to address such issues of the student community and provide them towards proper direction. The cell organizes various activities to facilitate the objectives of the counseling and guidance. UDISHA activities also continue vibrating during summer vacation with activities like short term computer courses, English learning, western dance, beauty parlor, skating, mehendi, computer hardware and Tally classes.

[See Annexure : 5-A]

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

Academically poor and slow learners are at the risk of failure. They are identified during routine learning by teachers and mentors. Such students are encouraged to attend extra remedial coaching classes, to write assignments and solve the papers of past examinations. Personal counselling of the drop out risk students is carefully done by the mentors.

**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 academic plan is designed by the College focusing on all-round development of the students. The College promotes a wide range of sports, cultural and extracurricular activities for the students.

⇒ Sports:

The following sports activities are extensively carried out throughout the year.

⇒ Weight Lifting, Power Lifting, Judo, Boxing, Best Physique, wrestling, Cross Country, Chess, Table Tennis, Archery, Athletics, Kho-Kho, Volley ball, Kabaddi, Cricket.

⇒ Cultural Activities:

The following cultural activities are extensively carried out throughout the year under Saptdhara Programmes.

⇒ Light vocal, Group song, Elocution, Extempore, Debate, Cartooning, Poster making, On the spot painting, Poetry recitation, Mono acting, Quiz, Rangoli, Collage, Essay competition.

**SPORTS ACTIVITIES:****Participation in All India Inter University Championship:****Year : 2010-11**

Sr. No.	Game	Student's Name	Class	Place
1	Judo (Women)	Shastri Devshri H.	M.A-II	Tilak Maharashtra, Vidyapeeth, Pune.
2	Judo (Women)	Patel Sapna I.	S.Y.B.A	Tilak Maharashtra, Vidyapeeth, Pune.
3	Judo (Women)	Ka.Patel Rupali C.	S.Y.B.A	Tilak Maharashtra, Vidyapeeth, Pune.
4	Power-Lifting (Women)	Patel Sapna I.	S.Y.B.A	Kannur University, Kannur, Kerala.
5	Power-Lifting (Women)	Patel Payal N.	T.Y.B.A	Kannur University, Kannur, Kerala.
6	Boxing (Men)	Bharwad Sanjay	F.Y.B.A	MI Sukhadia, University, Udaipur. Rajasthan.

**Year : 2011-12**

Sr. No.	Game	Student's Name	Class	Place
1	Boxing (Men)	Rana Yunusnhai J.	S.Y.B.A	Punjab University, Chandigarh, Punjab
2	Boxing (Men)	Patel Bhavikkumar A.	S.Y.B.Sc.	Punjab University, Chandigarh, Punjab
3	Cricket (Women)	Raval Mamtaben A.	T.Y.B.A	Banasthali University, Banasthali, Rajasthan
4	Cricket (Women)	Patel Jimisha T.	T.Y.B.A	Banasthali University, Banasthali, Rajasthan
5	Power Lifting (Women)	Patel Sapraben I.	T.Y.B.A	Guru Nanakdev University, Amritsar, Punjab

**Year : 2012-13**

Sr. No.	Game	Student's Name	Class	Place
1	Boxing (Men)	Patel Jatin J.	T.Y.B.A	Bilaspur University Bilaspur. Chhattisgarh.
2	Boxing (Men)	Chauhan Alpesh	M.A. Sem - I	Bilaspur University Bilaspur. Chhattisgarh.
3	Boxing (Men)	Bharwad Jayanti	B.A. Sem - I	Bilaspur University Bilaspur. Chhattisgarh.
4	Power-Lifting (Women)	Patel Sapraben I.	M.A. Sem - I	Mohanlal Sukhadia University, Udaipur. Rajasthan.



Year : 2013-14

Sr. No.	Game	Student's Name	Class	Place
1	Table Tennis (Men)	Rohit Prakashbhai J.	M.A. Sem-1	Marathawada University, Aurangabad.
2	Judo (Women)	Patel Sapnaben I.	M.A. Sem - 4	Guru Nanak Dev University Amritsar,Punjab.
3	Power-Lifting (Woman)	Patel Sapnaben I.	M.A. Sem - 4	Anna University Sports Board Anna University,Chennai. Hindusthan College Of Engineerng And Technology, Coimbatore, Tamilnadu.

Participation in Gujarat University Inter zone Competitions:Year : 2010-11

Sr. No.	Game	Place	Student's Name	Class	Result
1	Weight Lifting (Men)	Ahmedabad	Rabari Ravi C.		---
			Chauhan Alpesh B.	S.Y.B.A	I <sup>st</sup>
2	Best Physique (Men)	Ahmedabad	Chauhan Alpesh B.	S.Y.B.A	III <sup>rd</sup>
			Thakor Bhadresh R.	T.Y.B.A	---
			Patel Mitul R.	F.Y.Bsc	
4	Power Lifting (Men)	Ahmedabad	Chauhan Alpesh B.	S.Y.B.A	I <sup>st</sup>
			Gohel Vipulsinh C	F.Y.B.A	II <sup>nd</sup>
			Patel Jainish A.	F.Y.B.A	III <sup>rd</sup>
			Daraji Naimesh B.	F.Y.B.Sc.	
5	Power Lifting (Women)	Ahmedabad	Patel Sapna I.	S.Y.B.A	I <sup>st</sup>
			Sindhav Nimisha T.	M.A-II	I <sup>st</sup>
			Ka.Patel Rupali C.	S.Y.B.A	I <sup>st</sup>
			Patel Payal N.	T.Y.B.A	I <sup>st</sup>
			Rana Tejal B.	S.Y.B.A	II <sup>nd</sup>
			Parekha Devyani A.	S.Y.B.A	III <sup>rd</sup>
6	Judo (Men)	Ahmedabad	Patel Maulika C.	F.Y.B.A	II <sup>nd</sup>
			Parmar Sanjay F.	S.Y.B.A	II <sup>nd</sup>
			Chauhan Alpesh B.	S.Y.B.A	II <sup>nd</sup>
7	Judo (Women)	Ahmedabad	Daraji Naymesh B.	F.Y.B.Sc.	---
			Shastri Devshri H.	M.A-II	II <sup>nd</sup>
			Patel Sapana I.	S.Y.B.A	I <sup>st</sup>
			Sindhav Nimisha P.	M.A-II	II <sup>nd</sup>
			Ka.Patal Rupali C.	S.Y.B.A	I <sup>st</sup>
			Patel Payal N.	T.Y.B.A	---
			Rana Tejal B.	S.Y.B.A	III <sup>rd</sup>
			Parekh Devyani A.	S.Y.B.A	---

8 <u>Y</u> <u>e</u> <u>a</u> <u>r</u> <u>:</u> <u>2</u> <u>0</u> <u>1</u> <u>1</u>	Wrestling (Men)	Ahmedabad	Bharavad Sanjay R.	F.Y.B.A	III <sup>rd</sup>
			Parmar Sanjay F.	S.Y.B.A	III <sup>rd</sup>
			Patel Nilaykumar.M.	F.Y.Bsc	---
			Daraji Naymesh.B.	F.Y.Bsc	---
9	Boxing (Men)	Ahmedabad	Mistri Mithilesh S.	F.Y.Bsc	II <sup>nd</sup>
			Bharawad Sanjay R.	F.Y.B.A	I <sup>st</sup>
			Patel Jatinkumar.J.	F.Y.B.A	III <sup>rd</sup>
			Parmar Sanjay F.	S.Y.B.A	III <sup>rd</sup>
			Patel Jainish A.	F.Y.B.A	III <sup>rd</sup>
			Brahmbhatt Sapnil	M.A-I	II <sup>nd</sup>
			Brahmbhatt Mehul	F.Y.B.A	III <sup>rd</sup>

Year : 2011-12

Sr. No.	Game	Place	Student's Name	Class	Result
01.	Boxing (Men)	Ahmedabad	Chauhan Alpesh B.	T.Y.B.A	II <sup>nd</sup>
			Parmar Sanjay F.	T.Y.B.A	---
			Bharvad Sanjay R.	S.Y.B.A	II <sup>nd</sup>
			Thakor Vinod R.	F.Y.B.A	II <sup>nd</sup>
			Rana Yunush J.	S.Y.B.A	I <sup>st</sup>
			Patel Jatin J.	S.Y.B.A	II <sup>nd</sup>
			Vaghari Jitu P.	F.Y.B.A	
			Patel Kinjal S.	F.Y.B.A	---
			Patel Bhavik S.	S.Y.Bsc	I <sup>st</sup>
			Mistry Mithilesh S.	S.Y.Bsc	II <sup>nd</sup>
			Talpada Paresh R.	F.Y.B.A	---
			Shiroya Manoj K.	F.Y.B.A	---
			Chavda Amit I.	T.Y.B.A	---
02.	Judo (Men)	Ahmedabad	Chauhan Alpesh B.	T.Y.B.A	III <sup>rd</sup>
			Vaghari Jitu P.	F.Y.B.A	---
			Patel Bhavik S.	S.Y.Bsc	---
03.	Judo (Women)	Ahmedabad	Joshi Stuti H.	F.Y.B.A	III <sup>rd</sup>
			Patel Sapna I.	T.Y.B.A	II <sup>nd</sup>
			Rana Tejal B.	T.Y.B.A	III <sup>rd</sup>
			Prajapati Kinjal D.	F.Y.B.A	III <sup>rd</sup>
			Ka.Patel Rupali C.	T.Y.B.A	---
			Panchl Komal V.	F.Y.B.A	III <sup>rd</sup>
04.	Cricket (Men)		Suthar Akshit R.	S.Y.B.Sc.	Selected Players
			Patel Sumit M.	S.Y.B.Sc.	"
05.	Wrestling (Men)	Ahmedabad	Patel Kinjal S.	F.Y.B.A	---
			Bharvad Ketan K.	M.A-I	---
			Chavada Amit I.	T.Y.B.A	III <sup>rd</sup>
			Thakor Vinod R.	F.Y.B.A	---

	Wrestling (Men)	Ahmedabad	Vaghari Jitu P.	F.Y.B.A	---
			Rajdarbar Ghanshyam R.	F.Y.B.A	III <sup>rd</sup>
			Patel Bhavik S.	T.Y.B.Sc.	---
			Parmar Sanjay F.	T.Y.B.A	II <sup>nd</sup>
06.	Power Lifting (Women)	Ahmedabad	Patel Sapna I.	S.Y.B.A	I <sup>st</sup>
07.	Weight Lifting (Men)		Patel Bhavik S.	T.Y.B.Sc.	III <sup>rd</sup>
08.	Best Physique (Men)		Rajdarbar Ghanshyam R.	F.Y.B.A	---
			Chauhan Alpesh B.	T.Y.B.A	---
09.	Soft-Ball (Women)		Patel Sapna I.	T.Y.B.A	Selected Players
10.	Cricket (Women)		Patel Sapna I.	T.Y.B.A	Selected Players
			Ka,Patel Jimisha T.	T.Y.B.A	Selected Players
			Raval Mamta A.	T.Y.B.A	Selected Players

Year : 2012-13

Sr. No.	Game	Place	Student's Name	Class	Result
01.	Boxing (Men)	Petlad	Ode Nageen	B.Sc. Sem-I	III <sup>rd</sup>
			Bharwad Jayanti T.	B.A Sem-I	I <sup>st</sup>
			Patel Jatin J.	T.Y.B.A	I <sup>st</sup>
			Chavada Amit I.	M.A Sem-I	II <sup>nd</sup>
			Garasiya Gaurangsinh D.	B.A. Sem-I	---
			Chauhan Alpesh B.	M.A. Sem-I	I <sup>st</sup>
			Valand Hardik R.	B.A Sem-I	III <sup>rd</sup>
			Chauhan Bhimsinh D.	B.A. Sem-I	---
			Rana Yunush J.	T.Y.B.A	II <sup>nd</sup>
			Shiroya Manoj K.	B.A. Sem-III	---
			Chauhan Sanjay J.	B.A. Sem-I	---
			Thakor Jagdish B.	B.A. Sem-III	III <sup>rd</sup>
			Raval Sanjay B.	B.A. Sem-I	III <sup>rd</sup>
			Patel Bhavik S.	T.Y.Bsc	II <sup>nd</sup>
			Sharma Ravi H.	B.Sc. Sem-I	III <sup>rd</sup>
02.	Judo (Men)	Ahmedabad	Thakarda Mahesh	B.A. Sem-I	---
			Chauhan Sanjay J.	B.A. Sem-I	---
			Garasiya Gaurangsinh	B.A. Sem-I	III <sup>rd</sup>
			Thakor Jagdish B.	B.A. Sem-III	---

			Raval Sanjay B.	B.A. Sem-I	---
			Sharma Ravi H.	B.Sc. Sem-I	IIIrd
03.	Judo (Women)	Ahmedabad	Patel Sapnaben I.	M.A. Sem-I	IInd
			Rana Tejalbahen B.	M.A. Sem-I	---
04.	Wrestling (Men)	Ahmedabad	Chauhan Alpesh B.	M.A. Sem-I	IIIrd
			Parmer Vinod D.	B.A. Sem-I	---
			Rana Yunush J.	T.Y.B.A	---
			Vaghari Jitu	B.A. Sem-I	---
			Chauhan Sanjay J.	B.A. Sem-I	---
			Thakor Jagdish B.	B.A. Sem-III	---
			Raval Sanjay B.	B.A. Sem-I	IIIrd
			Patel Bhavik S.	T.Y.B.Sc.	---
			Sharma Ravi H.	B.Sc. Sem-I	---
			Garasiya Gaurangsinh	B.A. Sem-I	---
05.	Power Lifting (Men)	Ahmedabad	Parmer Vinod	B.A. Sem-I	---
			Valand Hardik R.	B.A. Sem-I	IIIrd
			Chauhan Alpesh B.	M.A. Sem-I	Ist
			Chauhan Sanjay J.	B.A. Sem-I	---
			Garasiya Gaurangsinh	B.A. Sem-I	---
			Thakor Jagdish B.	B.A. Sem-III	IIIrd
			Vaghari Jitu P.	B.A. Sem-I	---
			Raval Sanjay B.	B.A. Sem-I	IIIrd
			Sharma Ravi H.	B.Sc. Sem-I	IIIrd
			Rana Yunush J.	T.Y.B.A	---
			Patel Bhavik S.	T.Y.Bsc	IIIrd
06.	Power Lifting (Women)	Ahmedabad	Patel Sapnaben I.	M.A. Sem-I	Ist
07.	Weight Lifting (Men)	Ahmedabad	Valand Hardik R.	B.A. Sem-I	IIIrd
			Chauhan Alpesh B.	M.A. Sem-I	IInd
			Parmer Vinod D.	B.A. Sem-I	---
			Vaghari Jitu	B.A. Sem-I	---
			Thakor Jagdish B.	B.A. Sem-III	---
			Raval Sanjay B.	B.A. Sem-I	IIIrd
			Patel Bhavik S.	T.Y.Bsc	IInd
			Bharwad Jayanti	B.A. Sem-I	---
			Shiroya Manoj K.	B.A Sem-III	---
			Chauhan Sanjay J.	B.A. Sem-I	---
			Sharma Ravi H.	B.Sc. Sem-I	---
08.	Best Physique (Men)	Ahemdabad	Chauhan Alpesh B.	M.A. Sem-I	IIIrd
			Chauhan Sanjay J.	B.A. Sem-I	---
			Vaghari Jitu	B.A. Sem-I	---
			Thakor Jagdish B.	B.A. Sem-III	---

			Raval Sanjay B.	B.A. Sem-I	---
			Patel Bhavik S.	T.Y.Bsc	---
09.	Body Lifting (Men)		Solanki Raju D.		
10.	Sr.National Power Lifting	Kozhikode, Kerala	Patel Sapnaben I.	M.A. Sem-I	8 <sup>th</sup> Ranked
11.	Power Lifting (Women)		Patel Sapnaben I.	M.A. Sem-I	Gold Medal
			Ka Patel Rupali C.		Gold Medal
12.	Judo (Women)		Patel Sapnaben I.	M.A. Sem-I	Silver Medal
			Ka Patel Rupali C.		---
13.	Wrestling (Women)	Vaso	Patel Sapnaben I.	M.A. Sem-I	Silver Medal
			Ka Patel Rupali C.		---
			Ka.Patel Jimisha T.		---

### Year :2013-14

Sr. No.	Game	Place	Student's Name	Class	Result
01.	Power Lifting Championships (Women)	Mangalore Karnataka	Patel Sapna I.	M.A.Sem-3	---
02	Badminton (Women)	Ahmedabad	Pate Sapna I.	M.A.Sem-3	---
03	Soft-Ball (Women)	Gandhinagar	Padhiyar Bhavna S.	M.A.Sem-3	Selected Player
04	Table Tennis (Men)	Ahmedabad	Rohit Prakash J.	MaSem-1	---
05	Wrestling (Men)	Ahmedabad	Parmar Vinod D.	B.ASem-4	III <sup>rd</sup>
06	Weight Lifting (Men)	Petlad	Chauhan Alpesh B.	M.ASem-4	I <sup>st</sup>
07	Best Physique (Men)	Petlad	Saiyed Mohizali	B.ASem-1	III <sup>rd</sup>
			Chauhan Alpesh	M.ASem-4	II <sup>nd</sup>
			Chauhan Sanjay J	B.ASem-4	II <sup>nd</sup>
			Shiroya Manoj K.	B.ASem-6	III <sup>rd</sup>
08	Cricket (Men)	Khambhat	Patel Purvik P.	BscSem-4	---
09	Powerlifting (Men)	Petlad	Makwana Kevak	B.ASem-2	---
			Thakor Jagdish B.	B.ASem-6	IV <sup>th</sup>
			Chauhan Alpesh	M.ASem-4	I <sup>st</sup>
			Raval Sanjay B.	B.ASem-4	---
			Malek Mo. Ramiz	BscSem-4	---

10	Powerlifting (Women)	Petlad	Patel Sapna I.	M.ASem-4	I <sup>st</sup>
11	Wrestling (Women)	Ahmedabad	Patel Sapna I.	M.ASem-4	---
			Vagela Amita S.	B.ASem-1	III <sup>rd</sup>
12	Boxing (Men)	Ahmedabad	Malek Aahesan	B.ASem-2	III <sup>rd</sup>
			Malek Tanvir M.	B.ASem-2	III <sup>rd</sup>
			Diwan Harunsha	B.ASem-2	III <sup>rd</sup>
			Patel Jatin J.	M.ASem-2	II <sup>nd</sup>
			Garasiya Gaurang	B.A.Sem-4	---
			Valand Hardik R	B.A.Sem-4	II <sup>nd</sup>
			Chauhan Alpesh	M.A.Sem-3	---
			Chauhan Sanjay	B.A.Sem-4	II <sup>nd</sup>
			Saiyed Mohizali	B.A.Sem-2	II <sup>nd</sup>
			Thakor Jagdis B.	B.ASem-6	III <sup>rd</sup>
			Ode Nageen K.	BscSem-3	III <sup>rd</sup>
13	Boxing (Women)	Ahmedabad	Patel Sapna I.	M.ASem-4	---
			Vagela Amita S.	B.ASem-2	---
			Talpada Kanta M.	B.ASem-2	---
14	Wrestling (Women)	V.V.Nagar	Patel Sapna I.	M.ASem-4	Goald Medal
			Vagela Amita S.	B.ASem-2	Bronze Medal
			Talpada Kanta M.	B.ASem-2	Bronze Medal
15	Wrestling (Men)	V.V.Nagar	Mer Ramji R.	B.ASem-2	Goald Medal
16	Judo (Men)	Ahmedabad	Chauhan Sanjay J.	B.ASem-5	III <sup>rd</sup>
			Chauhan Alpesh B.	B.ASem-5	III <sup>rd</sup>
			Valand Hardik R.	B.ASem-5	---
			Makwana Keval	B.ASem-3	---
			Mahid Dixit L.	B.ASem-3	III <sup>rd</sup>
17	Judo (Men)	Ahmedabad	Patel Sapna I.	M.ASem.-2	I <sup>st</sup>
			Vaghela Amita S.	B.ASem-3	I <sup>st</sup>
			Raval Arti P.	BscSem-3	III <sup>rd</sup>
18	Athletics (Women)	Ahmedabad	Raval Arti P.	BscSem-3	Final Hit
19	Power Lifting (Women)	Ahmedabad	Patel Sapna I.	M.ASem-3	---

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.

2010-11:

No.	Events	College		Inter zone	
		Participants	Rank	Participants	Rank
1	Light vocal	2	1	1	-
2	Group song	6	2	-	-
3	Elocution	3	1	1	-
4	Extempore	4	1	1	-
5	Debate	5	2	1	-
6	Cartooning	2	1	-	-
7	On the spot painting	5	2	1	-
8	Poetry recitation	2	1	1	-
9	Mono acting	-	-	1	-
10	Quiz	10	3	3	-
11	Rangoli	3	1	1	-

Year – 2011-12:

No.	Events	College		Inter zone	
		Participants	Rank	Participants	Rank
1	Light vocal	3	1	1	-
2	Group song	10	6	6	-
3	Elocution	5	2	1	-
4	Extempore	2	1	1	-
5	Debate	6	2	2	-
6	Cartooning	3	2	1	-
7	Poster making	2	1	1	-
8	On the spot painting	5	2	1	-
9	Poetry recitation	2	1	1	-
10	Mono acting	3	1	1	-
11	Quiz	8	3	3	-
12	Rangoli	4	2	1	-
13	Collage	-	-	1	-

Year – 2012-13:

No.	Events	College		Inter zone	
		Participants	Rank	Participants	Rank
1	Light vocal	3	01	01	-
2	Group song	10	3	6	-
3	Elocution	-	-	1	-
4	Extempore	4	2	1	-
5	Debate	6	1	2	1 <sup>st</sup>
6	Cartooning	4	2	2	2 <sup>nd</sup>
7	Poster making	3	1	1	2 <sup>nd</sup>
8	On the spot painting	4	2	1	-
9	Essay competition	5	2	-	-

Year – 2013-14:

No.	Events	College		Inter zone	
		Participants	Rank	Participants	Rank
1	Light vocal	-	-	1	1 <sup>st</sup>
2	Group song	6	4	4	-
3	Elocution	-	-	2	-
4	Extempore	-	-	1	-
5	Debate	-	-	3	-
6	Cartooning	-	-	1	-
7	Quiz	-	-	3	-
8	Essay Competition	3	1	-	-

- Every year selected four students are participating in state level Marine Nature Camp at Okha, Devbhoomi Dwarka.

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?

The college gets feedback from final year students. The data is analyzed to improve the quality of education and the suggestions are taken for consideration and implementation.

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.

Our institute brings out college magazine named as “*Uttahan*”. Students are encouraged to write an articles/poem/story/sharing experience/ slogans for motivation and such material is published in our magazine. We are getting very good response from students to publish their material. This magazine is circulated free of cost to all the students, staff members and Petlad town library.

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

Yes. We have Students’ Representative Council.

Selection procedure: The list of meritorious students is prepared from all semester students and all such students are requested to occupy various position of student council. If more than one student is contesting for the post than voting is carried out as per the rules and regulations.

Activities: To encourage and lead the students for participation in cultural activities, teacher’s day celebration, annual day programs, debate, seminars, musical events and sports activities.

Funding: The fee collected as per the norms of Gujarat University from the students is used for sports and cultural activities. A part of total amount is contributed to Gujarat University. The students representing College at other College/institute are provided financial assistance.

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

There are student representative in the following academic bodies of the organization.

- ⇒ IQAC
- ⇒ Students’ Representative Council (SRC)
- ⇒ CWDC

- ⇒ GRC/ Anti ragging Cell
- ⇒ Saptdhara (Seven Committees)

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

The institution has a healthy relationship with alumni and Former faculty members in the aspect of both admission and placement. Many of the former faculty members offer expertise in their subjects.

Any other relevant information regarding Student Support and Progression which the college would like to include.

## **Criterion – VI**

### **Governance, Leadership And Management**

*“Team work : The team at work”*

## 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 offer knowledge based, career oriented education in various disciplines and build better citizens for tomorrow.

#### Mission:

- To groom a student in areas of his/her career of interest and impart necessary competence to make one successful in professional career.
- To develop a conducive and rich infrastructure with modern and adequate facilities for academic, co-curricular and overall development of students and staff.
- To contribute to the development of the society with due focus on local economy.
- To bring continuous improvement in performance on basis of the feedback from all the stake holders (Students, Parents, Faculty, Management, Employers, concerned authorities).

#### The objectives:

- To impart best quality education and facilitate all-round development of the students in the region of rural area.
- To facilitate all round development of students and to inculcate basic values.
- To assist the students to tap career opportunities suiting to their goals.
- To offer the opportunities and facilities to students irrespective of their financial or social background status.
- To update the competence of staff as per the needs of time.
- To develop modern infrastructure.
- To set system based and person independent administrative system.
- To contribute to the growth and well being of the society.

The goals and objectives are made known to the various stake holders through the College-website, admission brochure and periodic announcements at different functions, display of banners at College main lobby, girls room, administrative office. However, efforts are being made by the Institution to translate its goals through the NSS and other activities.

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

The College is managed by Petlad Education Trust, which is led by President and buttressed by Managing trustee and other trustees. The Managing Trustee holds periodical meetings with the Principal and sometimes with the staff as and when needed to frame and implement the new policy as well as to monitor progress of different activities and relevant events.

The Members of the College Management always play optimistic and significant role in the implementation of the policy for improvement of the performance. To improve the quality, the management incessant provides moral support, good infrastructural facilities, financial and maintenance as per the requirements of the College.

Principal as a head of Institute takes responsibility of implementing quality plans and process. All teaching, administrative and technical staff members contribute to succeed plan as they are the true decoders of entire message to other stakeholders like students, parents as well as society.

6.1.3 What is the involvement of the leadership in ensuring?

- the policy statements and action plans for fulfillment of the stated mission

Formulation of action plan involves simple but straightforward and smooth steps. Firstly, policies are prepared as per the guidelines and directives of U.G.C., Government of Gujarat and Gujarat University which is implemented by College after discussion with Petlad Education Trust, as and when needed.

- formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

- ⇒ The leadership of institution, particularly principal, is fully involved in formulation of action plans and also regularly interacts with stakeholders (viz, Students, Parents, and Alumni).
- ⇒ The Principal plays role a bridge between the students and the College Management. Requirements of infrastructural and other facilities for the institute are conveyed to the management and the Principal looks after the matters up to the end.
- ⇒ Meeting of Principal with Managing trustee arranged periodically. The interaction agendas are almost done by any means, viz., emails, cell phone SMS's or by telephonic talk.
- ⇒ In addition to this, members of IQAC play key role in formulation of quality plans.

- Interaction with stakeholders

The managing trustee, Principal, Heads of the Departments as well as faculty members as a College representative interact with the different stakeholders as and when needed.

⇒ *Students:*

College Principal, Each faculty members and administrative and technical staff directly interact with the students in informal way as per requirements. College formulated two committees named as Mentoring Committee Headed by Dr. Vijay Patel and Students Representative Council headed by Principal for the interaction with students.

⇒ *Alumni:*

Principal and every faculty member including administrative and technical staff are keeping in touch with ex-students of College.

In addition to this, the following efforts have been made or mechanism has been developed to keeping the live touch with various stakeholders.

- A College level committee named as **“Alumni Association and PTA Committee”** has framed to activate the alumni association and Parent-Teachers association. Initially, the aim of this committee was to formulate the alumni association of the passed out College students. As a result of this, now the formal Alumni Association named as **“Shri R. K. Parikh Arts and Science College Poorva Vidyarthi Mandal”** is formulated and working properly. This alumni association is led by Shri Kamleshbhai R. Patel as President, Head Master, Shahpur High School, Shahpur and supported by One Secretary General, Three Vice-Presidents, Three Joint-Secretaries, One Treasurer, One Internal Auditor and members of Executive Council. This body meets periodically at the office of College Principal and any suggestions regarding the development of College is informed to College Principal, who is Ex. Officio member of E.C. and Preside over the Meeting.
- College Management has developed a separately dedicated website based application named as *www.rkp.actplease.com* to interact with the different stakeholders and well-wishers. Anyone can directly give their suggestions or even launch any type of complaint. Moreover, any student, stake holder and well-wisher can give their suggestions/ complaint by email or by cell no or by land line number.
- In addition to this, Principal personally hand over common drafted letter to every individual parents to convey best wishes on Diwali Festivals and Forth coming New Year on behalf of institution. In the same letter principal also asked all parents to welcome their suggestions and feedbacks. This time, the details of new web based application and email id and phone numbers are informed to parents of the students through this letter.
- Over and above, Principal always hears the presentation of students, parents and any stakeholders any time convenient to them in his office during office hours. In some cases, principal also talks to students, parents and any stakeholders beyond office hours.

- Equally footing with modern era of Information and Communication Technology College has a group named as “*rkpCollege*” on Facebook. This group is managed and regularly updated by electrician Mr. Paresh Patel.
- In addition to this, College has an account on you tube, named as “*petladCollege*”, where students can see the several videos of different activities of the College. This account is also managed and regularly uploaded by Mr. Paresh Patel.
- There are some active Whatsapp students groups managed by Department of Chemistry and Physics for frequent academic interactions.

⇒ *Parents:*

By the same token, a College level committee named as “**Alumni Association and PTA Committee**” has formed to activate the alumni association and Parent-Teachers association. In the wide academic interest of students, parents of only irregular students are called for the meeting. Such meeting are arranged by the individual department to aware the parents about their ward’s irregularities.

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

Every year IQAC invites the written suggestions, by the means of printed feedback form, from the last year/ semester students in order to know their views regarding need of improvement in teaching-learning-evaluation process, attitude of staff members, names of best performed staff from their own point of view, Physical facilities and needs of further development.

Moreover, suggestions collected from every stakeholder and incorporated those feedbacks at the time of planning the policies.

- Reinforcing the culture of excellence

The College leaders and staff members continuously try to reinforcing the culture of excellence through the implementation of new initiatives in the wide academic development of the College and students. For this purpose, initially, Management Representative, i.e., Managing Trustee periodically meets and discusses the new



initiatives to be implemented and later on Principal execute it. Such initiatives are focused on career oriented activities as well as overall development of students. One major point is that, any such initiatives or activities implemented are either free of cost or on concessional basis so deprived students can also be part of it. Such practice facilitates the students irrespective of their eco-socio background. The initiatives undertaken are Computer literacy, computer based accounting, functional English and value added courses, which can further empower the students.

- Champion organizational change

As there is global competition due to development in Information & Communication Technology, change in global environment, increasing awareness as regards to education and improvement in the organization. So the Management and Principal are alert as regards organizational development and changes. The role of College leaders is really envisioned to the organizational changes. Because of the visionary Leadership, College is placed as a leader College in various fields. Because of continuous motivation of the leadership and execution of the proper pro-student policies, students of College actively participated and performed in various field/ activities along with academic activities. They made regular organizational change as and when needed.

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 team IQAC meets on regular basis to overview the progress of the College. The following is the system established for execution and monitoring the policies.

- The staff meeting is arranged on the first day of academic session to discuss the plans suggested by team IQAC for the semester and the outcome is discussed at the end of the semester.
- “Team College” also believes that ICT enabled teaching has more effective impact on the learners mind.

- The IQAC of the College works as a 'Think Tank'. Particular members of IQAC collect feedback form from the last year (Semester 5 and 6) students. The IQAC members Dr. Uday Vyas and Mr. Kalpesh Trivedi analyze and compile the collected suggestions.
- College IQAC meets periodically and practicing for the continuous improvement.

Along with other committees, following mentioned different committees are also formed to implement and monitor policies:

- 1) Admission Committee
- 2) Examination Committee
- 3) Library and Publication Committee
- 4) Maintenance Committee
- 5) Collegiate Women's Development Cell (CWDC)
- 6) IQAC
- 7) Grievance Redressal Cell and Anti-ragging Cell
- 8) Remedial Coaching Committee
- 9) Time table Committee
- 10) Planning Board
- 11) Academic Committee
- 12) Research Committee
- 13) Saptdhara Committee

The convener/chairperson of the committee carries out the responsibility for successful implementation of the programs and submits the report at the end of semester.

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

The College, Shri R. K. Parikh Arts and Science College, is Grant-in-aid College and governed by Petlad Education Trust, Petlad. As the College is affiliated to Gujarat University, Ahmedabad, the major academic activities of the College are being carried out by the College in accordance with the academic schedule

(Academic Calendar) announced by Gujarat University. College strictly tries to follow the academic calendar and organizes the academic and extra-curricular activities to equally footing with the academic calendar of Gujarat University. The principal as a head of the institute has to ensure the smooth conduct of all academic and administrative activities of the College with the rules, regulations and guidelines of Government of Gujarat, Gujarat University and Petlad Education Trust time to time.

The College level leadership lies with the principal. The principal is the top academic leader at the College level, apart from the management, while the Petlad Education Trust is providing the administrative leadership and moral support to the College too.

There are fifteen departments/units including Library and Administrative office, each one are being looked after by a senior most teacher/staff member as HoD. The Principal is providing academic leadership to HoDs to carry out academic and administrative activities of the respective departments effectually within the outline of the guidelines deal out by the affiliating university. Sequentially, the HoDs of the departments provide academic leadership to the each faculty members/staffs to perform their academic/administrative duties. Each faculty members are enough encouraged to take their own decision on various academic issues depending upon the top leadership. As a result of such system and practice, Principal could run the College smoothly and effectively with the full cooperation of the staff, by providing academic leadership to everyone.

#### 6.1.6 How does the College groom leadership at various levels?

College believes that, “Leadership can be developed only if individual responsibilities are given for the different tasks/activities”

During last decade, College has come to retain the idiosyncratic characteristics in the sense that it promotes the leadership among the staff and the students. This thing happens on a regular basis, as a result of that; College could incessantly organize the series of programs independently or jointly with reputed

institutes/organizations during last decade. These have been only possible with the generous efforts of the staff, (i.e., Team College). Both, the teachers as well as students are willing to imbed the leadership quality. College continuously tries to groom the leadership quality to the faculty and student level.

At the faculty level, the leadership is groomed by the shouldering diverse responsibilities to faculty members as

- ⇒ HoD of the Department,
- ⇒ Mentor of the specific students' group,
- ⇒ Convener of the Committee,
- ⇒ Convener/Coordinator/Joint-coordinator/ Organizing Secretary/ Member of Organizing Committee/ Chairperson of the particular session at the different seminar/ workshop organized by this College or by other Colleges etc.

At the student level, the leadership can be groomed by the participation of students in the following activities.

- ⇒ Students Representative Council (SRC) member
- ⇒ Ladies Representative,
- ⇒ Leaders of main group and leaders of subgroups during N.S.S. activities,
- ⇒ Leaders of main group and leaders of subgroups during N.C.C. activities,
- ⇒ Inclusion of students in various College committees,
- ⇒ Shouldering the different responsibilities during the College activities etc.

As an outcome of the idea of grooming leadership, many of our alumni are in prominent positions in the society and serving as members of legislative assembly, taluka and jilla Panchayat, various government and non government organizations.

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?

To execute decentralization of governance and smoothing day to day functioning of the College, the College has delegated the authority in the following manners.

**Head of the Departments:**

Senior faculty of the subject is designated as Head of the respective Department (HoD). He/ She is given the operational/functional autonomy to work and take decision concerning to the day to day affairs of the department. The principal, who is of course, the overall head of the College, does not interfere in the departmental activities like,

- Allotment of lectures,
- Allotment of practical duties,
- Mutual interchange of duties within the limited autonomy without disturbing the general time table,
- Allotments of duties to the College mid-sem and end-sem examination etc.

The healthy practice of the College is that, any faculty member required leave; one has to prior inform the respective HoD, who makes an alternative arrangement of the duties as far as possible. In the case of single handed department, faculty member make alternative arrangement with other subject teacher as far as possible.

**Academic and other Committees:**

Different committees are formed to enhance quality and decentralized the governance/functioning of the College.

The mechanism decentralization of functioning empowers the departments to function with a greater flexibility and at the same time they share the responsibilities too.

College departments like, physics, Chemistry, Microbiology and Biology (Botany) are provided monthly budget of Rs. 1200 to Rs.1500 as a recurring/miscellaneous expenses for their departmental requirements. Initially, the Laboratory Assistance/responsible person provided such amount in advance and by end of the month they have to submit the account in the prescribed format and withdraw the further amount. The respective HoD spends the amount judiciously as per the requirements.

6.1.8 Does the College promote a culture of participative management? If 'yes', indicate the levels of participative management.

Certainly yes, College promotes the culture of participative management. One of the most important managerial concepts is that the day to day College administration and different activities are managed by appointing faculty/staff members as convener/coordinator and member of the committees with the students' representation. This practice has created a sense of involvement and responsibilities among all the staff members result in efficient and participative administration of the College.

Because of this practice,

- All functions involves many staff members working in various committees and providing their individual creativity and skills.
- During the hosting of seminars/workshops, inter-departmental support is provided. Therefore, department of mathematics, which is headed by part time faculty member could jointly organized three day workshop for school teachers of Anand District schools. This Regional Workshop on **"Near to Science Workshop"** was organized with collaboration of C. C. Patel Community Science centre, V. V. Nagar during 28/06/2010 to 30/06/2010. Department of Biology, which was one man department could organized UGC sponsored National Conference on "Taxonomy Teaching and Research: The Relevance in the National Context" on 7<sup>th</sup> September, 2008.

Generally, College principal involves the entire staff in planning, decision making, implementation and evaluation of decision in which participatory and transparent approach followed.

The administrative and technical staff also equally involved in various activities/committees of the College such as N.S.S., N.C.C., Garden Committee, Water and electricity committee, Photograph and Stage committee etc. Such details are mentioned below for kind reference.

Sr. No.	Name of Administrative/ Technical staff	Designation	Involvement in various activities/committees
1.	Mr. Paresh Patel	Electrician	<ul style="list-style-type: none"> <li>➤ Joint-program coordinator, N.S.S.</li> <li>➤ Samudayik Seva Dhara-2,</li> <li>➤ Water, Electricity, Photograph and Stage Committee, College facebook and other social media account handling</li> <li>➤ Grievance Redressal and Anti-Ragging Cell</li> </ul>
2.	Mr. K.C. Shah	Store keeper	<ul style="list-style-type: none"> <li>➤ Gyan Dhara (science and arts study circle)</li> <li>➤ Samudayik Seva Dhara-2 (N.S.S. Committee)</li> <li>➤ Industries Interface Cell (IIC)</li> <li>➤ Remedial Coaching Committee</li> <li>➤ Water, Electricity, Photograph and stage Committee</li> </ul>
3.	Mr.D. N. Panchal	Gas Mechanic	<ul style="list-style-type: none"> <li>➤ Samudayik Seva Dhara-1 N.C.C.</li> <li>➤ Water, Electricity, Photograph and Stage Committee</li> <li>➤ Maintenance Committee</li> </ul>
4.	Mr. R. S. Parmar	Laboratory Assistant	<ul style="list-style-type: none"> <li>➤ Samudayik Seva Dhara-1 N.C.C.</li> <li>➤ Samudayik Seva Dhara-1 N.S.S.</li> <li>➤ Water, Electricity, Photograph and Stage Committee</li> </ul>
5.	Mr.V. R. Bhavsar	Senior Clerk	<ul style="list-style-type: none"> <li>➤ Student's Representative Council</li> <li>➤ Maintenance Committee</li> <li>➤ IQAC</li> <li>➤ Planning Board</li> </ul>

## 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?

The College and the Petlad Education Trust both are committed to imparting high quality education to rural or non-urban area students on no-profit basis as this is not profitable organization. As per the goals and objectives of the College, any students of the nearby area of the College should not be deprived by education irrespective of their eco-socio background.

In addition to provide high quality of education, College also committed to provide some opportunities to realize students' potential and achieve higher standards in their learning and professional career.

College Management and the Principal always believe to follow and execute the policies framed by Government of Gujarat and affiliating Gujarat University. Some of the areas are mentioned as follows.

⇒ Students related policies:

- Students' admission and Fees structure.
- Students' enrollment/ registration.
- Subject or combination of subjects offered to the students.
- Internal or mid-semester evaluation pattern.
- End semester examination.
- Cultural and co-curricular activities organized under "Saptdhara" are sole consonance with Knowledge Consortium of Gujarat- Government of Gujarat and Gujarat University.

⇒ Staff related policies:

- Workload calculation for recruitment of teaching staff.
- Appointment and Promotion of administrative staff.

Since many years the recruitment by the Government of Gujarat is dangled, College management has to recruit the ad hoc staff in the wide academic interest of the students and smooth functioning of the College. In such cases, the recruitment of ad hoc staff is done through the advertisement in news-paper and transparent recruitment process is followed.

⇒ Administration related Policies:

- The College has internal as well as external audit mechanism for accounts. The College accounts have been audited externally by Chartered Accountants regularly and at any stage there are no major audit objections observed by Chartered Accountants.



- In addition to these, audit team from the Office of the Commissionerate of Higher Education, Government of Gujarat has been periodically visit and audit the books of accounts minutely and also submits their report too.
- All accounts of College are maintained through computer based accounting software.
- The vouchers are having five tier signatures scrutiny system.

The IQAC also plays an important role to develop, deploy and review the policies as and when needed.

Primarily, College level policies are developed by formal or informal discussion amongst staff, principal and managing trustee. The policies deployed by the principal through staff members and different committees.

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

Yes, College has an academic as well as infrastructural development plans with following mentioned aspects.

⇒ **Infrastructural Development:**

- Construction of One library Building.
- Creation of one ICT laboratory.
- More ICT enabled class rooms.
- Application of solar panels for daily usage of electricity.
- A dedicated examination/Meeting room.
- Formation of students' Counseling room.
- Paver block fitting in specific areas of College campus.
- Internal road in campus.
- Maximum utilization of available resources.

⇒ **Academic Development:**

- Effective implementation of College level vocational courses.
- Increase industrial competency of students.
- Increase numbers of Ph. D. guide teachers to strengthen research activities.

- Further implementation of innovative practices in teaching and learning process including ICT.

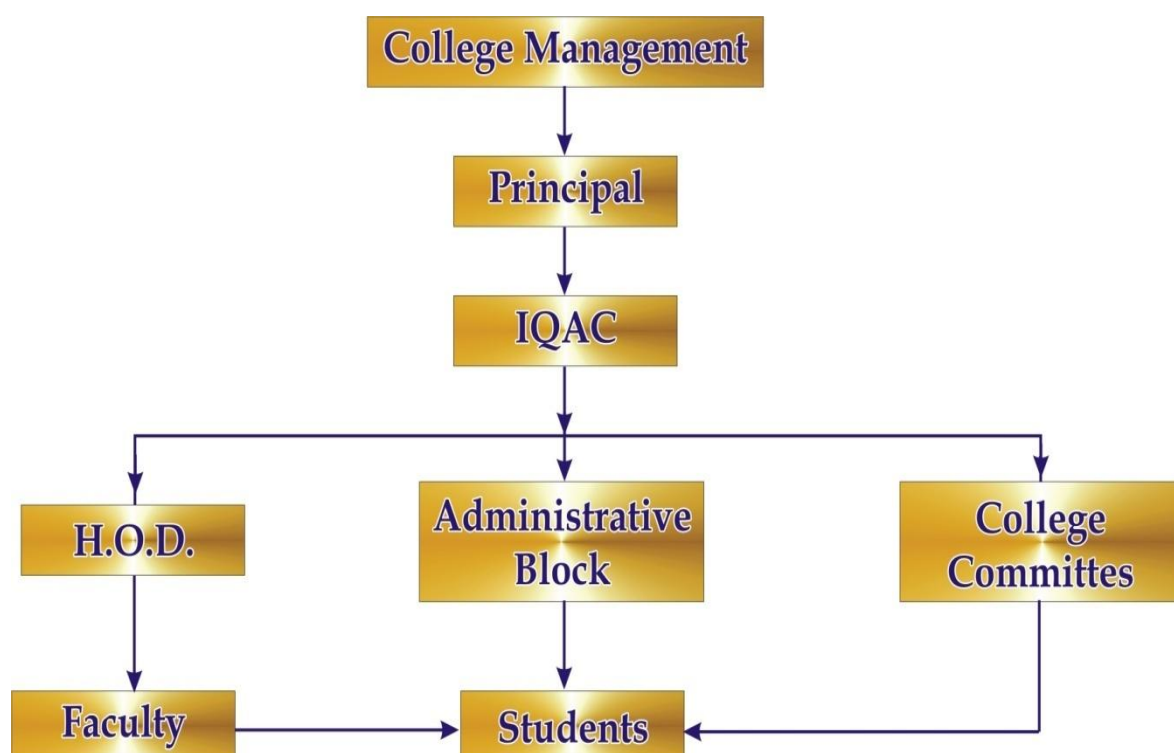
Additionally.....

- Strengthening Industries Interface Cell and Mentoring activities.
- Further improvement of students' performance in co-curricular and extra-curricular activities.
- Create optimum computer literacy among staff and students.
- Improving the soft skills of students.

#### 6.2.3 Describe the internal organizational structure and decision making processes.

The organizational structure is allowing free flow of information and helping in smooth administration of the College.

The decision making process is four layered. Top down and Bottom up approaches have been implemented for decision making mechanism. There are four cardinal components for the approaches are as follows.



⇒ **Managing Trustee:**

Managing trustee informs the College Principal about the decision of Petlad Education Trust which to be implemented at College.

⇒ **Principal:**

Principal execute the policy decided by the trust. Principal also takes the decisions and/or review the decision for the internal management of College in consultation with IQAC. These decisions are finalized by consent of the trust as well as different committee members of the staff.

⇒ **HoDs:**

Head of the departments in consultation with the faculty members and other staff look after the effective implementation of the decision. If any query or controversy in decision making crop up, HoD and staff members sort out with the help of the Principal.

⇒ **Students:**

The suggestions and feedback from the students incorporated in the decision making as far as possible.

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

⇒ **Teaching & Learning:**

- The faculty members are encouraged to attend workshops and seminars to attain more acquaintances of their respective fields.
- Faculties also encouraged using ICT as an effective tool in addition to traditional black-board, chalk-talk and walk pattern.
- Faculties also trained for ICT enabled teaching as and when needed.
- Besides classroom teaching, innovative practices are implemented, viz., students are given assignments, projects, classroom seminar, field work or field visit etc. as the case may be of the department.

- College library has book bank facility to provide set of books to the students.
- Provision is made of Remedial Coaching Classes for needy students. Needy students also provided photocopies of the study materials at free of cost.
- Facilities of photocopying available in the Campus Store for students.
- College formally started the mentoring activities to strengthen the interaction with students.
- Feedbacks are also collected from last semester students.
- Department of Biology has a museum facility, where preserved collections of plant and animal specimens are being displayed. Biology students are learning through such specimens. Apart from them this museum is centre for attraction for students of other disciplines as well as school students. Small scale electronics projects are given to B.Sc. students in Physics laboratory.
- As per the UGC guideline all students of semester-2 have opt to Environmental studies as one of their elective/foundation course. To create interest for the subject amongst them the department of Biology is organizing “Treasure hunt” activities in the campus. Many herbs/shrubs/trees were tagged with number plates and then students have to find out names of various such plants. Same way slide show shown to the students to identify local common birds. Such activities create affections towards nature and bring them to attend environmental studies classes with zeal.

⇒ **Research & Development:**

- Research committee has been started to guide and inspire the faculty members.
- Faculties are always motivated for research work.
- At present 20 faculty members working on regular basis, out of them 10 faculty members have Ph. D. degree and 01 have M.Phil. Degree.
- 05 Faculty members have registered for their Ph.D. degree.
- Two faculty members are approved as Ph.D. Supervisors for different Universities.
- Till date 01 Ph. D. Student is awarded for Ph. D. Degree and 07 students are registered as research students pursuing their Ph.D. Degree.

- 64 research papers have been published in different journals by faculty members during 2007-2014.
- Faculties are free to participate in different seminars/ workshops etc. to expand their research horizon. As a result, all our faculty members have participated in different seminars/conferences etc. by faculty members during 2007-2014.
- Faculty members are also encouraged to participate in workshops to enhance their knowledge about the funding of research projects, consequently 05 faculty members have participated in the workshop to prepare the minor research projects organised by KCG, GoG.
- 04 minor research projects have been completed and 03 minor projects are on-going.
- 26 seminars/ workshops have been organised by College. (please refer 3.1.6)
- No separate laboratory is provided but a space is allotted to perform research work in physics and chemistry laboratories, furnished with basic equipments, chemicals and glass-wares for experimental work.
- Some national and international journals are also subscribed in library.
- Small level research projects offered to students of Semester V (Physics) and Semester VI (Physics) by providing them small projects related to the curriculum.
- Students also encouraged for some projects of societal interest like preparation of soil analysis and soil health card project, eco-socio survey of nearby villages etc.
- ⇒ **Community engagement:**
- College has tendency to inculcate social responsibilities in staff as well as students.
- Besides College committee named as Samudayik Seva Dhara (which includes N.S.S. and N.C.C.), Red-ribbon club and some College departments and staff members individually etc. are continuously engaging in community services. Few examples can be proudly cited as follows.

- Department of Biology jointly organised Taluka level “Van-Mahotsav” for the social plantation with District forest Department for consecutive three years.
- Department of Physical Education also organised *“The Special Olympic Softball National Coaching Camp for Special Olympics”* held for physically-mentally challenged students during 6-12 December, 2012. In which, 139 students and 35 coach members have participated. During the camp, with the help of local charitable trust named as *“Janseva trust”* free eye check-up camp for participant students was organised and participants having major eye problems also consulted for further investigation to a special hospital located at Vadodara.
- The N.S.S. wing actively participates in cleanliness drives at bus and railway stations with Petlad municipality. The students also offer services as volunteer in pulse polio vaccination drives on national immunization days jointly with Rotary Club of Petlad and state government health department.

⇒ **Human resource management**

- “To update the competence of staff as per needs of time” is clearly mentioned in Goals and Objectives.
- So we believe that the progress of the College depends on the development of human resource. Below mentioned step are followed.
- Recruitment of staff is done only after permission, in the form of N.O.C., received from Commissioner of Higher Education, Dept. of Higher Education, Govt. of Gujarat.
- College provides the details asked by office of Commissioner of Higher Education for the recruitment/promotion of staff members time to time.
- During last few years, interview and appointment of teaching faculties has been centralised by Government of Gujarat. The interviews are arranged by the state government and College management is also invited.
- The staff recruitment is done by the Government and College Management.

- Whenever government does not recruit staff, Management provides the staff by recruiting Ad hoc staff.
- All the staff members are involved in the different activities according to their field of interest by offering leadership of the committee or a committee member.
- Staff members are provided Casual Leaves, Earn leaves, Duty Leaves, Sick Leaves etc. according to the government rules and regulations.
- Majority staff members are given computers, laptops, printers, scanners as well as internet facilities.
- Interested staffs members are also given facilities of gymnasium and sports equipments as per time permits to them. College Director of Physical Education Mr. M. K. Mandora is always eager to guide and keep them physically fit.
- College always promotes the participation of faculty members in seminar, workshop by providing duty leave, computer/ laptop facilities, stationary etc. and also tries to compensate travelling expenses as and when provision of grants is possible.
- In addition to teaching faculty, College also inspires administrative and technical staff to participate in different training programmes.
- 07 faculty members are registered for Ph.D. is the result of motivation by the College.
- Three peons also started their graduation in B.A.
- One peon named Mr. Raju Mahida has joined computer literacy training programm organised by College and prepared one information booklet on N.S.S.
- College offers free Computer training to children of staff members.
- All the notices, circulars, ordinances, G.R.s etc. received from Gujarat University, Government of Gujarat and other authorities, which are relevant to staffs are notified to entire staff by written notice with proper remarks of Principal.

- All the circulars regarding seminar, workshops, training programmes, etc. are sent to the respective departments with properly remarked by Principal.

⇒ **Industry interaction**

- College actively runs “Industries Interface Cell” (IIC) under the leadership of Dr. Vijay Patel. IIC works independently but equally footing with the Career and Placement Cell (UDISHA). Followings are the objectives of IIC.
  - To implant knowledge about the industries: Products, Processes, Plant equipment, etc.
  - To learn about the human resource requirements of Industries and to cross map those to the skill-set of our passing out students.
  - To create awareness about the essential skills required in the industries.
  - To pursue due efforts to inculcate the skills required in Industries.
  - Followings are the suggested steps, which we try to implement, to accomplish our Objectives:
  - Industrial training / Internship during and immediately after studies.
  - Industry visits by students.
  - Industry visits by faculty.
  - Faculty deputation to industry.
  - Experts’ lectures from industries.
  - Industry sponsored events.
  - Industry contribution for used equipment.
  - Mentoring of students by Industries.
  - Sharing of institute resources with Industries. (Library, Auditorium, Laboratories, etc.)
  - Faculty offering consultancy to Industries.
  - On-job training cum industry projects at the institute.
  - Making available industry-ready graduates.
- By making our best efforts, we try to provide transition to students from campus to corporate (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?

- To review activities of the College, a systematic approach is used.
- College Principal is the link between College Management and College Staff. The important information collected by feedback mechanism and by personal contacts is conveyed to the College Management during the Principal's meeting with Management.
- Principal makes presentation about the College progress, different activities carried out and other relevant details during meeting.
- Frequent meetings are held with Managing Trustee.
- The following process is designed to review/monitor and improve the performance at different levels.

Name of Meetings	Occurrence of meetings	Objects of meetings and expected outcomes
Office bearers of Trust with Principal	Once in year	Related to academic and administrative strategies; Review of activities etc. Short/long term planning
Principal and Managing Trustee	Almost Fortnightly	Review of activities; Planning of activities etc.
IQAC	Twice/thrice in the semester	To review and implement the suggestions for quality improvement. Any other strategic planning for the betterment of the College
Planning Board	Once or more in the Semester	To plan out the utilization of UGC grants and discuss about the needs of the department
Purchase Committee*	As and when needed	To purchase as per requirement. Open and review the invite quotations and finalize the order.
Head of the departments	Twice in the Semester or as and when needed	To review the academic status/syllabus taught and to exchange the ideas.
Library advisory and Publication Committee	Once in the semester or as per requirement	To follow the process to purchase books/ subscribe journals and magazines etc. To review and publish the College Magazine "Utthan".

Students Representative Council (S.R.C.)	Once in the semester	To select General Secretary and Ladies Representative from S.R.C. To invite suggestions from S.R.C. and discuss it.
Other committees	As per needs or minimum once in semester	To plan out the further activities and review the progress.
* There is no such formal Purchase committee. But all the minor and bulky purchases are made by purchase committee. As per the requirement of purchase, Principal shoulders the responsibility by assigning five to six members (as per their expertise) to follow the purchase process, i.e., to invite quotations, open the quotations and finalize the order. Committee submits the report to Principal. Principal instruct the relevant staff to complete the remaining process. Departmental purchase is made on the department level according to purchase process.		

- In addition to the above, College management dignitaries are invited during the different programs or activities, where they directly get adequate information.
- The stakeholders receive the information by means of College website or through College Magazine “Utthan”.
- The majority information about College activities and institutional progress are summarized in the College Annual Report also.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

- Our principle of ‘Participative Management’ is demonstrated in the decentralization of administration by involvement of the staff members in the various committees and activities of the College. Centralized idea taken into consideration, when the time of work distribution is “Choice of the right people for the particular activities” and empowering them to perform better.
- College management strategically encourages and supports the involvement of the staff in improving the effectiveness and efficiency of the institutional processes.

- College Management always welcomes progressive suggestions from the staff members and involves them in the developing process.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

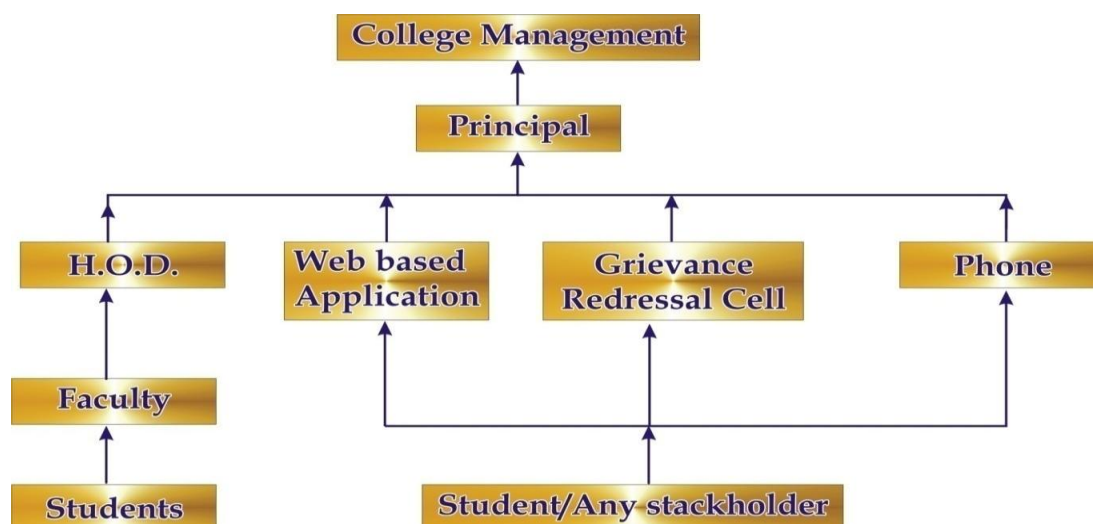
Resolutions made in 2013-14	Status of implementation
Recruitment of teaching and non-teaching Ad hoc faculties	Required staff appointed
Building maintenance and repairing grants sanction for utilization	Sanctioned and utilized
Sanction for utilization of UGC grants under various heads	Fund utilized
Renewal of campus security contract	Contract renewed
Development of Botanical garden	Work under progress
Improvement in facilities like Aquaguard, cooler, fans, two water tanks in boys hostel	Implemented
To increase Girls hostel capacity	Additional 04 rooms made available from existing staff quarter

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 a provision for the status of autonomy.
- Gujarat University provides autonomy to the every affiliated College to conduct the Practical Examination of Semester-I to Semester-IV classes. Subsequently, by virtue of this, College gets the autonomy for the same type. In the same way, College also gets the autonomy to evaluate the Soft Skill and Foundation Courses in the Arts faculty.
- College has a very limited autonomy to offers the range of subjects for Soft Skills and Foundation Courses.

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?

- Stakeholders are easily informed by means of notice board, College website, and inquiry counter/help desk in College Administrative office during the admission process, examination time as well as day to day functioning of the College.
- College organizes “Praveshotsava” for newly admitted students, where they informed about such facilities, College activities and traditions of the College. However, in case of any dissatisfaction or dispute over an issue the following mechanism are developed.
- Open door Policy: Students, parents, any stakeholders or any staff can easily approach the College Principal for any problems which required immediate attention; on the other hand they are directly attended too.
- Suggestion box is also made available in the College Premises and in College Library too to invite suggestions or complaints.
- In addition to these, College Management has developed a separately dedicated web-based application named as [www.rkp.actplease.com](http://www.rkp.actplease.com) to interact with the different stakeholders and well-wishers. Anyone can directly give their suggestions or even launch any type of complaint. Moreover, any student, stake holder and well-wisher can give their suggestions/ complaint by email or by cell no or by land line no.
- College has formed a Grievance Redressal and Anti Ragging Cell headed by Dr. U.N. Patel to redress any grievance and resolve any complaint regarding ragging. Fortunately, no such incident is found of ragging.
- The procedure for grievance management is as follows.



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?

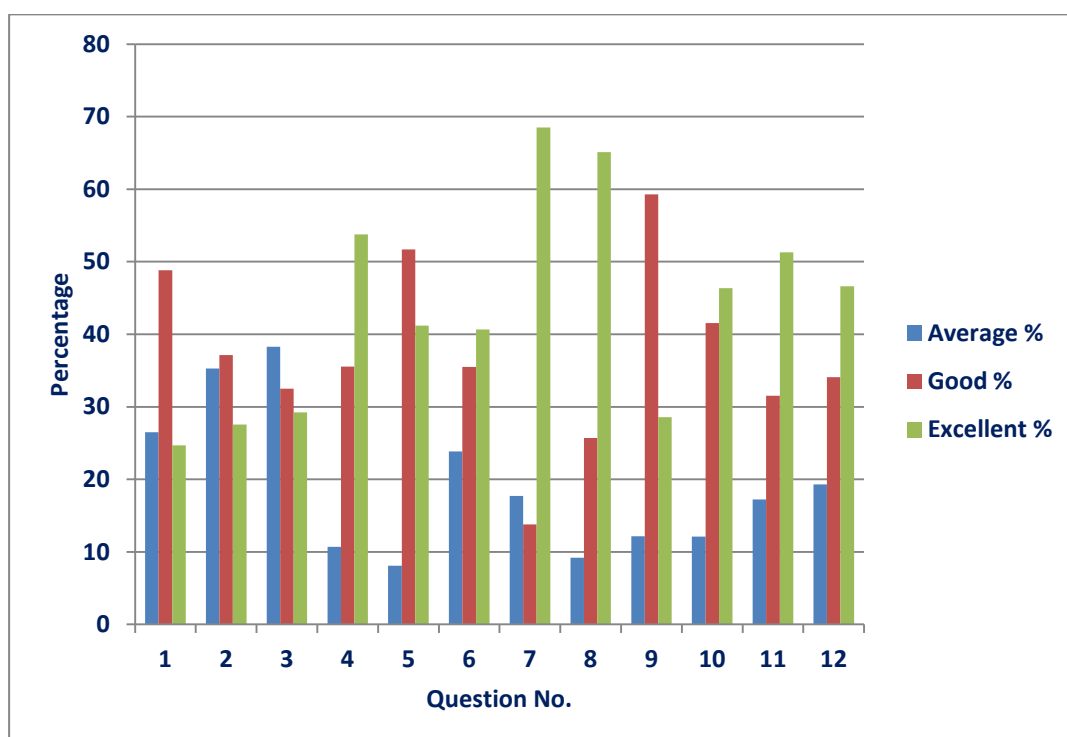
- The College is the oldest College established pre-independence time and College has good public image among other affiliated Colleges in the area.
- We are quite happy to communicate that because of having pro-student ideology of the College, there is not any single instance of any type of litigation.

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, College has a mechanism to collect students' feedback on the institutional performance.
- College IQAC has prepared the form and gets print every time with the modification if any. Particular members of IQAC collect written feedback from the final year students.
- The IQAC members Dr. Uday Vyas and Mr. Kalpesh Trivedi analyze and compile the collected feedback.
- After compilation, they discuss with the principal for further necessary actions.

- As an example, analysis of 179 students of final semester (both Arts and Science) is given below:

Sr. No	Statement	Average %	Good %	Excellent %
1	Admission process	26.49	48.82	24.69
2	Office Administration Response	35.29	37.15	27.56
3	General Discipline	38.29	32.49	29.22
4	Teaching and General Behaviour of Faculty Members	10.70	35.56	53.75
5	Conduct of Examination and its Evaluation	8.10	51.70	41.20
6	Extracurricular, cultural and social activities	23.86	35.49	40.65
7	Administration and General Behaviour of Principal	17.70	13.80	68.50
8	Seminar, workshop, quiz and project work	9.20	25.69	65.11
9	Overall impression of institute	12.16	59.28	28.56
10	N.S.S., N.C.C. and sports activities	12.10	41.55	46.35
11	College library facilities	17.21	31.51	51.28
12	Non-teaching and laboratory staff services	19.30	34.09	46.61



⇒ **Interpretation of the Student Feedback form:**

- Majority of the students found that the admission procedure and office administration response of the institute is good to excellence.
- Majority of the Student are in that opinion that the general discipline of the institute is moderate to admirable.
- The students are in that opinion that teaching and general behaviour of faculty members and principal are excellent.
- Conduct of examination and its evaluation process is excellent according to majority of the students.
- Co curricular activities of the institute are found as good to excellence range.
- Our College library facilities are very good according to majority of the students.
- By and large the student found overall impression of institute is good.
- Most of the students are happy with the behaviour and services of non-teaching and laboratory staff services.

### **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?

- College has evolved an admirable work culture of respecting each other and as a result, creating friendly environs for academic progress and personal growth.
- Team College believes that when staff grows the College also grows.
- ⇒ Followings are the efforts made by the College to enhance the professional development of faculties:
  - 26 seminars, workshops, development programs are organized during last seven years.
  - Faculties also motivated to receive travel grants from U.G.C. for attending conferences at foreign countries as a result four faculties received such grants from UGC.

- Faculties are motivated to enhance their academic qualifications.
- Time to time information is provided to attend seminar/workshops at other institutions.
- Faculties are encouraged to attend orientation programs/refresher courses/seminars/ workshops/ conferences/ computer training etc. and are granted leave for the participating such programs.
- Faculties are motivated to carry out research projects in their area of interest.
- Faculties are also inspired to pursue for research leading to degree of Ph.D./ M.Phil.
- College also invites the eminent personalities for guest lecture for the benefit of students and faculties.
- College also provides recognition on the achievement of the staff at the appropriate forums to motivate others.
- ⇒ Following are the efforts made by the College to enhance the professional development of administrative and technical staff:
- College equally encourages administrative and technical staff for their professional development.
- College has organized the One Day State Level Seminar entitled as “Role of laboratory staff in changing scenario of new CBCS and semester system in higher education” for Laboratory and Technical Staff of Colleges with the help of Knowledge Consortium of Gujarat (K.C.G.). Such type of seminar was organized First Time in Gujarat State for Laboratory and Technical Staff of Colleges.
- College provides duty leave to attend such type of training programs at other institutes.
- College provides computer training to administrative and laboratory staff also.
- College also motivates the administrative staffs for the promotion in their career.



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 College always unceasingly attempts to promoting faculty empowerment and welcome innovations.

The promotional steps are as follows.

- Faculties are motivated to participate in short term training programs organized by Academic Staff College, Knowledge Consortium of Gujarat (K.C.G.) and other institutes.
- College periodically organizes seminar, workshops, conferences and other programs for the faculties and staff of other Colleges, consequently, faculty and staff of this College automatically benefitted of the same.
- Faculties are encouraged to publish their research papers in the Research Journals as well as to present papers in the seminar and conference.
- College faculties are motivated to deliver their expert lectures, on different topics of their relevant subjects, through SANDHAN program organized by Knowledge Consortium of Gujarat, round the year, technically supported by BISAG (Bhaskaracharya Institute for Space Applications and Geo-informatics)
- College provides a healthy academic atmosphere by its strategy of giving mutual respect to each other.

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 performance appraisal is measured through feedback from the students of final year.
- The feedback forms are collected by IQAC and analyzed by Dr. Uday Vyas and Mr. Kalpesh Trivedi. Both of them are discuss with Principal regarding the views reflected in the feedback form.

- The self-appraisal report in term of API as per UGC guidelines of 30<sup>th</sup> June, 2010 is prepared by the individual faculty for the Career Advancement Scheme, viz. move to selection grade of Rs.37,400=00. The specific API form is to be filled and self-certified by the individual faculties; the same is evaluated and certified by Principal; is send to the office of the Commissionerate of Higher Education.
- In addition to the above, individual department wise analysis of the results is carried out.
- Department wise analysis of the result can be consider as an indicator to evaluate performance of a particular subject team and individual faculty too.
- The departmental results are discussed in the Head of the Departments meeting for further strategic planning.
- Conveners and/or Members of the College Committees collect the feedback informally after the activities and relative suggestions made to Principal.
- College organizes many events; after each event, specific feedback form is submitted to participants and at the end of the event that feedback forms are collected and analyzed by Principal, Convener of the organizing committee and other members.
- Conveners of the different Committees have to submit the comprehensive report of the activities carried out under the leadership of the specific Committee. On comparison of the reports, performance of the committee can be evaluated.

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 conclusion of the feedback forms are prepared by two members of IQAC is communicated to Principal. College Principal discusses it to the management in the meeting as and when possible.
- ⇒ Following mentioned are the decision/initiatives undertaken by management.

- Organize the training programs for the College faculties to effective application/usage of the ICT resources in the teaching and learning so students can be directly benefited.
- Organize the Computer training programs for the administrative and other staff, so they can keep pace with the world and serve better to the students.
- Organize free computer classes for the wards of the staff members so they can also be benefited.
- Organize the free of cost coaching classes for computer literacy and internet awareness for the senior citizen and members of Mahila Mandal of the Petlad town and peripheral area to pace them with the modern age technology.
- Motivate faculties to carry out research work.
- Motivate faculty members for industry interaction.

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?

- ⇒ Following are the welfare schemes available.
- Staff Credit Society has been effectively running since last 08 years, in which staff members may join voluntarily.
  - The following mentioned different welfare measures introduced by Government of Gujarat for permanent staff members, which are equally adopted by the College as such schemes act as motivating force in influencing the staff to improve their performance.
  - Withdrawal of G.P.F. – 04 staff members
  - Pension - 04 staff members
  - Gratuity - 04 staff members
  - Leave Encashment - 04 staff members
  - L.T.C. - 02
  - Group Savings Linked Insurance (G.S.L.I.) – All staff members
  - Medical reimbursement - None

- Group Insurance from LIC - All staff members
- Loan from G.P.F. or Partial withdrawal - 02
- Festival and other advances for class four employee - Yes
- Festival bonus for class four employee - Yes
- Besides the above, Class IV employees are provided uniform and shoes by the College.
- Peons are given masks to utilize when the time of cleaning, which may create health consciousness among them.
- Free computer trainings are provided to staff members and their wards too.
- Staff members are encouraged to use free gymnasium and sports facilities at their convenient time.
- Occasional meetings arranged for the awareness about the new introduced different financially benefited schemes with the competent authorities of some enterprises like Banks, Insurance Companies etc.
- On the Diwali festival, all staff members altogether offer “Diwali Gifts” to class IV employees, which strengthen the mutual bonds between the staff and families.
- Once in a year, a get to gather function of entire ‘Team College’ is organized, which is sponsored by any of the staff or group of the staff members, many times family of the staff included.
- Each academic year always starts with the “Katha of Lord Satyanarayan”, in which one peon along with his wife join in Puja and program.
- During the celebration Garaba Mahotsava on “Navaratri” festival, all peons are given first priority for the rituals of ‘Aarti and Puja’.
- Over and above, the College administrative staff actively pursue for the approvals, promotions, preparation of pension cases, partial/final withdrawal of G.P.F. etc. with state government offices. College authorities send Mr. Mohanbhai Kachhia personally to Office of the Commissionerate, Gandhinagar to undertake and follow up of the process.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

- Petlad Education Trust always adopts the fair and transparent staff selection and recruitment policy.
- Apparent administration through identification of right person for the right job.
- Provide the facilities as per the needs of the eminent faculty and staff and give them freedom to work.
- Efficient and eminent retired faculty members are requested to serve with honorarium to utilize their acquaintances for the wide academic interest of students.
- Dr. G. C. Kachhia, ex. Head of the Gujarati Department is still renders his valuable services with honorarium.
- It is a matter of proud that Mr. P. S. Patel, Ex. Head of the Department and Ex. In-charge- Principal still render his valuable services for the benefit of student community without honorarium. College many times offers him for the honorarium but continually he refuse with honor.
- Even, retired renowned administrative staff members also wished to serve with honorarium in the benefit of the College and students as administrative posts are not filled by Govt. of Gujarat.
- Mr. Mohanbhai Kachhia, Ex. Office Superintendent and Mr. Dilipbhai Shah, Ex. Head clerk cum Accountant also offer their valuable services to the College with honorarium.
- Encouragement of staff to participate in various Faculty Development Programs.

#### **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?

- College has financial resources as fees collected from students under different

heads, Maintenance and Salary Grants from State Government and Development and other Grants from University Grants Commission.

- The entire fund received are utilized and monitored by College Principal and College Management.
- College always efforts to optimum utilization of funds received from such resources.

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 internal as well as external audit mechanism for accounts. The College Management has appointed the Chartered Accountants as an external auditor.
- The College accounts have been audited every year externally by the Chartered Accountants regularly and at any stage there are no major audit objections observed by Chartered Accountants.
- The audit reports duly signed by the Chartered Accountants and the Principals are sent to College Management and the Office of the Commissionerate, Government of Gujarat for their reference.

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.

College has following mentioned financial resources:

- Salary Grants Received from State Government.
- Maintenance grants received from state government.
- The fees collected from students under different heads according to Norms of Gujarat University and Government of Gujarat.

- Financial Assistance under different Schemes/heads from the University Grants Commission.
- Some donations in the form of materials like books, subscription of magazines and prizes for students.
- The amount of deficit is compensated by the Petlad Education Trust.
- Salary expenses of Ad hoc staff members recruited are borne by the College Management.
- [Pl. See Annexure : 6-A]

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

In addition to financial assistance received from state government, College applies/approaches to different agencies/institutes/ individuals for the financial assistance. The details are as follows.

Sr. No	Name of Funding Agency	Type/ Object of grant	Amount Received				Amount Utilized			
			2010-11	2011-12	2012-13	2013-14	2010-11	2011-12	2012-13	2013-14
1.	Swarnim Gujarat Grants	KCG, GoG	96,000	60,000	60,000	60,000	1,10,890	52,664	62,250	67,290
2.	UDISHA Grants	KCG, GoG	5,000	---	---	---	5,000	---	---	---

The College has received books for library worth of Rs. 1,84,723 from Shri Sacchidanand Seva Samaj Trust, Dantali during year 2007 to 2014.

## 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, College has established an Internal Quality Assurance Cell (IQAC) soon after the accreditation in year 2007.

- IQAC constituted as per NAAC guidelines and works actively.

- It has representation from both the faculties of Arts and Science as well.
- There are two external members also invited.
- There are 02 meetings hold during each semester.
- The IQAC is comprised of the following members.

<b>1</b>	<b>Dr. V. S. Joshi (Principal)</b>	<b>Chairperson</b>
<b>2</b>	Shri Haren Shah	Managing Trustee
<b>3</b>	Mr. K.R.Trivedi	Coordinator
<b>4</b>	Dr. K. B. Anjaria	Joint-Coordinator
<b>5</b>	Mr. A. V. Pandya	Member
<b>6</b>	Mr. B. D. Joshi	Member
<b>7</b>	Dr. G.D. Chaudhari	Member
<b>8</b>	Dr. U. H. Vyas	Member
<b>9</b>	Mr. I. A. Shaikh	Member
<b>10</b>	Mr. V. R. Bhavsar	Administrative staff
<b>11</b>	Dr. R. K. Trivedi	Community Representative
<b>12</b>	Mr. Milan Patel	Industrialist
<b>13</b>	Shri Kamlesh Patel	Alumni
<b>14</b>	Miss Rinku Chauhan	Student Representative
<b>15</b>	Mr. Jay Soni	Student Representative

b. How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?

Followings are some of the suggestions given in the meetings of IQAC and implemented by management/authorities.

- To acquire more funds from UGC to reinforce amenities and basic needs of the students.



- Upgradation of laboratories by procuring sophisticated and advanced equipments.
- Upgradation of classrooms by introducing multimedia projectors for effective presentations.
- Provide internet connectivity facilities to all the departments, laboratories, library and some of the class rooms.
- To purchase office automation software.
- Internet access for the students in the library and subscribe N-list programmes of INFLIBNET. Also introduction of SOUL software and barcode stickers.
- To develop facility of live lectures from BISAG in College central hall.
- To motivate faculties to attend and organize seminars, conferences and workshops.
- To establish DELL for proficiency in English and SCOPE exams.
- Introduction of remedial coaching classes for special category students and slow learners.
- Establishment of career and Placement cell (UDISHA) for the students.
- Intense computer training for teaching and non teaching staff to keep them updated with latest teaching tools and less paper work.
- More emphasis on student seminars, projects and quiz for better thoughtful study of subject.

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Yes. IQAC does have two external members from the community. Dr. Rajesh Trivedi is a doctor by profession who is always available for the students on call. He is also associated with various social organizations. Mr. Milan Patel is a mechanical engineer and an industrialist. His industrial linkage helps our students for better placement. Both the members attend IQAC meetings and give their valuable suggestions for the improvement of quality of education.

- d. How do students and alumni contribute to the effective functioning of the IQAC?

IQAC always invite and welcome suggestions from the students and alumni. The valuable suggestions are very helpful in policy making and better implement of programs.

- e. How does the IQAC communicate and engage staff from different constituents of the institution?

IQAC prepare the programs and communicate with the staff members through notices and circulars. Most of the staff members are involved in various committees. The meetings of IQAC members with the committee chair are regularly arranged for timely and effective implementation of teaching learning and co curricular activities. The committee chair submits their reports to IQAC.

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 formulation of IQAC involves academic faculty members, administrative staff and external members. There is an integrated approach by involving academic and administrative staff in the programs set up by IQAC for quality implementation. The faculty members take quality enhance initiative in teaching and propagate it through students to improve their academic performance. The administrative staff also works in synchronized way with IQAC to offer best services to the students. The students obtain necessary documents like transcript, transfer certificate, NOC etc. within specific time period is displayed in the administrative office as "Student Charter". The continuous interaction of IQAC with all the staff members with integrity leads the College towards excellence.

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. The College IQAC encourages and provides staff training for effective implementation of the quality assurance procedures. The computer department has organized state level seminars and workshops almost every year for staff training and made them computer savvy. The staff members were provided intense training in various turfs like, “Knowledge Management Programme”, blog making, two days training programmes on “Mission Mode Implementation” conducted by Knowledge Consortium of Gujarat, training seminar for laboratory staff, workshop on “CBCS and Semesterization”, e-content development seminar etc. The peons were also given basic computer training. All these efforts really resulted in better functioning and quality assuring procedures.

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?

Yes. The performance of teachers and students is regularly monitored by the Principal. The institution undertake academic audit through following hierarchy of management system.

1. Student feedback.
2. Staff appraisal.
3. Peer group interaction.
4. Parent-student-teacher-alumni interactions.
5. Management level review.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

- According to directions of NAAC for quality assurance IQAC was formed.
- The IQAC collects reports from various committees, evaluate, compile and submit to NAAC.

- Apart from this all the compliances are made as per requirements of affiliating Gujarat University, UGC and state government.
- There is a continuous interaction with the university to integrate state government suggestions and UGC guidelines.
- Suggestions made by knowledge consortium of Gujarat are also put forward during IQAC meetings.
- The suggestions given by our alumni and expert guests are also of great value for IQAC strategic 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 academic calendar of the College is set according to the Gujarat University schedule given at the beginning of the academic year. The College always tries to follow this schedule as far as possible.

The time table committee prepares the framework of lectures and practical schedules and head of the departments review the course completion by the faculty members. The time slots for seminars and classroom quiz are also taken into account. Remedial coaching classes are arranged for S.C., S.T., OBC and slow learners.

The College conducts one mid semester exam (Internal exam) and one end semester exam (University exam) in each semester. The analysis of the results is carried out and necessary steps are taken for improvement in results.

We have a mechanism of feedback received from the students and various stakeholders. The suggestions received from the suggestion box are also very helpful.

The Principal discuss and review the teaching and learning progress of every department through regular meetings with HODs and various committee chair persons.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The College communicates its quality assurance policies through following mechanism;

- Prospectus
- Student counseling
- Staff meetings
- Meetings with HODs and various committees
- Parents and alumni meetings
- Website and social networking
- College magazine

The development perspectives are discussed and implemented through IQAC to ensure the quality improvement and overall development of the College and the decisions are communicated to internal and external stakeholders.

Any other relevant information regarding Governance Leadership and Management which the College would like to include.

## **Criterion – VII**

### **Innovations And Best Practices**

*“Our practices make us healthy”*

## CRITERIA VII: INNOVATIONS AND BEST PRACTICES

### 7.1 Environment Consciousness

#### 7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Department of Biology conduct regular visit of the campus and preparing a check list of trees and shrubs. The students of Botany subject are taken to the campus field visit to aware them about green wealth of the campus. The institute is very sensitive to environmental issues, the institute works meticulously to maintain green environment in the campus. Constant efforts are being made by “NATURE CLUB” of the college to maintain the greeneries in the campus and to preserve the old trees of ethno botanical values. A team of volunteers from “NATURE CLUB” and NSS regularly supervise and take measures to preserve green cover within the campus.

- Every year tree plantation programme is conducted by “NATURE CLUB” and NSS.
- The College premise is declared “No smoking and tobacco free zone”.
- To avoid noise pollution; separate vehicle parking is available in the campus.

#### 7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

##### ⇒ Energy conservation

To address the energy issues and making the campus eco-friendly are of our great concern. Several steps have been already taken and some are planned to sustain environment and implement them effectively involving college staff and students.

- Compact fluorescent lamps (CFLs) are installed in the campus at several points to minimize overall power consumption.
- The student council and staff have been assigned to check the wastage of electrical energy to ensure unoccupied classrooms lights and fans are switched off.

- A group of students and peons has been trained by the college electrician for energy awareness and maintenance of electrical appliances.
- At the end of the working day and when they are not in use all the electrical and electronics equipments are switched off regularly.
- All the personal computers make use of power management option to minimum consumption of electricity.
- The architectural feature of the College building help us the minimum reflection of light and reduce the need of artificial lighting.

⇒ Use of renewable energy

Plans are underway to install solar lights within the campus to reduce power consumption. During N.S.S. camps awareness programs are conducted through slogans, lectures and film shows.

⇒ Water harvesting

The institute has planned to identify the catchment areas from where the maximum rain water may be collected for recharging of the bore well. The underground water tanks are also planned to collect rain water for gardening purposes.

⇒ Check dam construction

Not applicable.

⇒ Efforts for Carbon neutrality

- The first step taken towards the achievement of carbon neutrality is more plantations of trees within the campus area.
- The institute is trying to reduce the intensity of energy.
- The consumption of paper has been reduced and more paperless work is encouraged.
- The water consumption is also reduced.



⇒ Plantation

- A team of volunteers from “NATURE CLUB” and N.S.S. works together for the green campus movement. The Forest department, Gujarat government also motivates us for green campus movement by supplying saplings and tree guards.

⇒ Hazardous waste management

- The routine solid waste is disposed in containers stationed at various places in the College building and campus.
- For the disposal of hazardous solid waste from Chemistry and Microbiology laboratories, a separate pit is prepared in the campus.
- There is a separate septic tank/ well for the disposal of hazardous effluents from Chemistry and Microbiology laboratories. The liquid waste is disposed of in the septic tank after pre-treatment in both the laboratories.

⇒ e-waste management

- ⇒ The electronic waste is handed over to the agencies for the dismantling and recycling.

## 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.

- The College authority has installed CCTV surveillance in all the classrooms, administrative office, lobbies and main entry points in the college building.
- All the classrooms are furnished with multimedia projectors and internet connection, a step towards the ICT enabled teaching and e-class rooms. College central hall is enabled for video conferences.
- The higher TDS and other impurities in water was a major issue in this area, which causes many water born diseases. The R.O. plant was installed in the college building to provide pure drinking water to the students and staff.
- Automation of the College Central Library is on the verge of completion.
- Active grievance redressal and anti ragging cell, career & Placement Cell,

anti-ragging cell, red ribbon club, industry interface cell, science study circle, collegiate women's development cell are our supportive elements for smooth and sustainable growth of the institution.

⇒ **Academic Innovations:**

- Apart from compulsory subjects in Arts and Science faculties many elective subjects like Environmental Studies, Nanotechnology, Public Health, Computer Applications, Sports and Practices, Journalism, Structure of India, Fundamental Rights and Duties, Travel and tourism, Gandhian philosophy, and Child counseling are included CBCS curriculum.
- The college has introduced Remedial Coaching Classes for the students of SC/ST/OBC categories along with poor and financially weak students. For Remedial Coaching Classes, the UGC has provided sufficient grants.
- Lectures, Seminars, Study tours, Industrial visits, etc. are organised by various departments for the benefits of students.
- Every year, field work is carried out by the Department of Sociology and Economics.
- Health check up and Thalassemia check up for each student at the entry level is compulsory.
- In the last few years attempts are made for upgradation of laboratories.
- Staff members are motivated for Research work.
- Other extra-curricular activities are: Coaching Classes for Computer based accounting, four wheeler driving, mehendi and beauty parlour, computer classes for senior citizens & members of Mahila Mandal, skating for the College students and the community people.
- A centre for SCOPE examinations in DELL.
- The College is listed under N-List program of INFLIBNET. The faculty members and students can access e-books, journals and articles.
- The automated library equipped with SOUL software and bar-coded books facilities has improved function of the library.

### 7.3 Best Practices

7.3.1 Elaborate on any two best practices **in the given format at page no. 98**, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

#### 1. Title of the Practice

Encourage research activities among students and faculties.

#### 2. Goal

- To encourage a Research Culture among the students and faculty.
- To develop scientific temper and acquire research skill.
- To encourage faculty to undertake research projects and publish research papers in national and international journals.
- To facilitate the faculties who are research guides of different universities to supervise their scholars for M.Phil or Ph.D. Programme.
- Providing necessary supports to the faculty to present papers and attend national and international conferences and seminars.
- Encourage faculty to pursue M.Phil/Ph.D. programmes and organise college /regional/state/national/international level seminars and workshops.
- Encourage students to pursue research projects under the guideship of faculties in UG science.

#### 3. The Context

- Our system largely promotes learning by rote, unfortunately! Students get inured to the prescribed syllabus and by-heart study materials alone. Having fallen in the rut, they continue to limit themselves even when pursuing higher education. Alas, they just attend lectures and study prescribed books; exploring further does not even cross the students' minds. And when it comes to post graduation courses, where presenting research papers forms a vital part of academics, the result is shallow and disappointing theses with no new information to offer.

- It also applies the faculties where curriculum has to be completed within stipulated time and very limited scope for research activities.
- The participation of students and faculties in seminars and conferences gives them an opportunity to interact with the best brains in their respective fields. The sheer experience of presenting a research paper gives their confidence a boost which can only be experienced.
- Making research an integral part of self-learning rather than textbooks is imperative as it prepares students for life. Education is not mere collection of degrees and certificates; instead, education has the scope to refine a student's mind and lifestyle as such. The student community needs to be motivated and inspired to find high spirit in going beyond the borders of curricula.
- The promotion of research activities among students and faculties were given priority to enhance the teaching learning process.

#### **4. The Practice**

- A research committee consisting of the following members is functional to look after research work in college.

Dr. V.S.Joshi (Principal)	Chairperson
Dr. J. A. Chaudhari	Co-ordinator
Dr. R. T. Jasrai	Member
Dr. K. B. Anjaria	Member
Mr. I. A. Shaikh	Member
Dr. A. N. Patel	Member

- Research committee was established to monitor and keep track of various research activities by the students and faculties.
- The committee recommends granting Leave to present research papers in seminars, conferences and workshops by the faculty members.
- Based on the suggestions of the committee the college authority has provided Computer with Internet and Reprographic facilities for all faculties.
- Procurement of research oriented journals & e-journals.

- The committee members help the faculty members to prepare research project proposals.
- Full autonomy is given to the Principal Investigator by the institution to facilitate smooth progress and implementation of research projects. The College makes all necessary arrangements for timely release of resources for smooth progress and implementation of research projects.
- Adequate infrastructure is provided by the institution for smooth progress and implementation of research projects and other research initiatives. Created laboratory facilities in Physics and Chemistry departments for research projects.
- Provided computer and internet facilities to all departments.
- Encourages and leave are sanctioned for presenting research paper in different International and National Conferences by faculty.
- Teachers are motivated in the department to pursue at least one minor research project in their area of specialization.
- Teachers who have not started their M.Phil/Ph.D. work are also motivated to register for such programmes.
- Internet facility and e-journals subscriptions are made available to all faculties to facilitate research activities in the college.
- The institution also felicitates the faculty for their achievement in research activities and research outputs.
- By inculcating practical aptitude among students through participation in research projects especially in Physics department.
- The students of third year Physics have opted research project as an elective subject offered by the Gujarat University.

## **5. Evidence of Success**

The impact of the best practice to encourage research activities among students and staff is highlighted below;

- The research laboratory facilities were made available by the institute understanding the importance of research.

- The institute has provided computers, printers, scanner and internet facilities to all the departments.
- The faculties were encouraged to register for Ph.D. degree. The outcome is 05 faculties were registered for Ph.D. degree. 02 faculties acquired Ph.D. degree.
- Out of 10 research projects submitted to UGC 07 were sanctioned.
- 04 students were registered for Ph.D. degree under guideship of Dr. J. A. Chaudhary and 01 student received Ph.D. degree.
- 04 students were registered for Ph.D. degree under guideship of Dr. V. S. Joshi and one submitted Ph.D. thesis.
- Department of Sociology and Economics successfully completed their community survey projects.
- The funding received for minor research projects from UGC in XI<sup>th</sup> plan and XII<sup>th</sup> plan is Rs. 6,63,000.
- 64 research papers were published in national and international journals by the faculty members.
- 20 faculty members presented 52 research papers in National and International conferences/seminars.
- The students were encouraged to visit and attend seminars at neighboring research institutes.
- The third year students had opted research project in “Gel Growth Technique for crystal growth” during semester V and VI as an elective subject. This was the first research project module made available for the UG students in the College as well as in Gujarat University. The students submitted dissertation reports and they were examined by the external examiners by Gujarat University.

**6. Problems Encountered and Resources Required**

**Problems encountered:**

- Enough financial support is not available from state government as matching grant.
- It is not possible to have separate research laboratories within the College

building due to space problem.

- Due to shortage of staff and higher enrollment of students, adequate time cannot be given for research activities.

**Resources required:**

- More e-journals should be accessible.
- More research facilities like infrastructure and fully equipped laboratories is need of the hour.
- An effort for financial assistance from various funding agencies like UGC, DST, industries or management has to be intensified.

**7. Notes (Optional)**

- Interest in research of the faculty has motivated the college authority to promote research culture in the institution. Within the limited resources and space available the college always stays besides the faculty to pursue active research in the institution.

### **1. Title of the Practice**

Soil Health Card Project – Earn While Learn.

### **2. Goal**

- To become a part of Gujarat Government innovative project.
- To carry out soil testing of soil samples provided by the agriculture department of state government.
- To inculcate the scientific aptitude and interest towards the experimental work among the College students.
- To enrich College laboratories through such consultancy programmes.
- To encourage research activities.
- To be an active partner for society welfare.

### **3. The Context**

- Despite the focus on industrialization, agriculture remains a dominant sector of the India economy both in terms of contribution to gross domestic product (GDP) as well as source of employment to millions across country. Agriculture plays a vital role in Indian economy. Over 70 per cent of the rural households depend on agriculture as their principal means of livelihood.
- Recognizing the importance of Agriculture sector, the government has taken number of steps for sustainable development of Agriculture. These steps include mission mode scheme for Soil Health Card for farmers. As a part of “Swarnim Gujarat” celebration, Government of Gujarat has asked science colleges to cooperate by providing laboratory facilities and skilled students for soil testing to complete the project in stipulated time. Our College took this challenging project and played a responsible role for the betterment of the farmers.
- To increase agricultural productivity, it becomes highly necessary for a farmer to know the soil elements of his farm before farming. The fertility and productivity depend upon inherent soil elements. If the farmer comes to know the proportion of important soil elements (N, K and P) present in soil



and the conductance & pH of soil, he can easily come to know which crop and how much fertilizer his land will require. Such knowledge will lead the farmer to a large productivity of crops. With a view to making the farmer aware of abovementioned fact, the Government authorities of Gujarat have stirred an ambitious project to provide a Soil Health Card to each farmer of all over Gujarat.

- 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. Accordingly, the task of soil test & analysis is smoothly and successfully conducted at Chemistry Department of our institution.

#### **4. The Practice**

- As a part of Swarnim Gujarat celebrations, the state government has made soil analysis and soil health card program and the task is given to the science colleges of the state. For this prolonged mission of Agricultural Development and 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.
- Then, the soil samples are sent to the various colleges for actual analysis and finding of soil health conditions by using certain instruments like pH meter, conductivity meter, colorimeter, flame photometer etc. for electro chemical and chemical analysis. The collected samples were labelled and their elements like nitrogen, phosphorus, potassium etc. were tested and analyzed. Various parameters like conductivity, pH, and optical density are also studied. The results obtained are given in the form of a soil health card,

which help to know the nature, quality and fertility of soil. This helps the farmers for better agricultural practice.

- Under the guidance of the Principal Dr. V. S. Joshi and the coordinator Dr. R. T. Jasrai, teams of students were formed. The selected students were individually trained with the theoretical and the practical aspects of the instruments. Later the students carried out analysis of soil under the observation of Chemistry teachers.
- Thus through accurate guidance, tiring labour of teams and teachers Soil Health Card data were submitted. The revenue generated in the “Soil Health Card” programme was Rs. 14,19,520/- (Rupees fourteen lac nineteen thousand five hundred twenty only). The project was carried out in department of Chemistry and remuneration amount was disbursed among the students and staff.

Year of Analysis	No. of Samples	Staff involved	Lab Assistant	Students	Revenues in Rupees
2010-11 2011-12	16,683	4	6	43	14,19,520/-

The income generated through the consultancy is used for the development of the welfare of the students as well as institute.

1	25% of the Revenue to student
2	15% of Revenue to Staff
3	60% of Revenue to Institution (Equipments & Materials)

## 5. Evidence of Success

The success story of this project started with 16,683 soil samples analyzed to bring smile on the faces of farmers. It was really a matter of proud for the institute, staff and students to become a part of state government project.

- The purpose of Agricultural Development was served with the help of science and technology.

- Farmers followed soil elements before farming the crop and started using required fertilizers, seeds and pesticides. Misuse of pesticides prevented.
- Increased agricultural productivity means increased economical gain.
- Scientific approach in agriculture aroused.
- Institution feels satisfaction to maintain social responsibility.
- A novel image of the institution embodied in society.
- Relations between the institution and Government turned compact.
- The institution has been benefited with economical gain by which infrastructural facility fortified.
- The experience that the institution had undergone remained positive.
- Students could make their knowledge applied and useful for society.
- The qualities like leadership unity and self-confidence blossomed in students.
- The students got a fair remuneration for this soil testing work. Thus, their hard work remained fruitful.
- The students of this area have been connected with agriculture; hence this work remained lucrative to them. They also learnt how to put science and technology into agricultural practice.
- Not only that but they came to know regarding the soil elements.
- Such an analytical work brought students and teachers closer, their relation were cherished.
- Theoretical knowledge turned into practical.
- “Some solid service had been rendered to institution and society” such a feeling was felt.
- Along with students, the staff also got a fair remuneration for such a work.
- Such a work conferred them a chance to prove their ability.

## **6. Problems Encountered and Resources Required**

### **Problems encountered**

- The soil samples received from the agriculture department were enormous in number that the analysis in stipulated time was challenging.
- It was difficult to train the students to perform like professional outsourcing agency.

- The soil testing and analysis has to done

**Resources required**

- Physical resources like laboratory, equipments, glassware and chemicals.

**7. Notes (Optional)**

**8. Contact Details**

Name of the Principal: Dr. Vimal Joshi

Name of the Institution: Shri R. K. Parikh Arts and Science College

City: PETLAD

Pin Code: 388 450

Accredited Status: B, Cycle-1

Work Phone : +91-2697-252396

Fax: +91-2697-252396

Website: [www.petladcollege.org](http://www.petladcollege.org) / [petladartsandscience@gmail.com](mailto:petladartsandscience@gmail.com)

E-mail : [vsjoshi69@gmail.com](mailto:vsjoshi69@gmail.com)

Mobile: +91-9427004861, +91-9574519005

## **Evaluation Report Of Departments (Department Profile)**

**Evaluative Report of Department of Gujarati**

1. Name of the department : GUJARATI
2. Year of Establishment : 1946
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG and PG
4. Names of Interdisciplinary courses and the departments/units involved :  
The interdisciplinary courses offered are Bhartiya Sabhyata, Indian Culture & Heritage, Environment Science, Sports & Practices, e-Communication, Basic Computer Application, Gandhian Philosophy, Child Counselling, Fundamental Rights & Duties and Journalism as either foundation or soft skill courses.
5. Annual/ semester/choice based credit system (programme wise) : (CBCS) Semester
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 : NIL
9. Number of Teaching posts

	Sanctioned	Filled
Associate Professors	01	01
Asst. Professors	02	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
K. R. Vankar	M.A.	Associate Professor	Gujarati	21	---
Dr. G. D. Chaudhari	M.A. Ph. D.	Associate Professor	Gujarati	22	----

11. List of senior visiting faculty : Dr. G. C. Kachhia (Ex. Head, Dept. of Gujarati, 35 years of teaching experience)
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : NIL
13. Student -Teacher Ratio (programme wise) : 75 : 1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Nil
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG :  
Ph. D. – 01, PG - 01
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 : 02
  - \* Number of papers published in peer reviewed journals (national /international) by faculty and students : NIL
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : NIL
  - \* Monographs : NIL
  - \* Chapter in Books : NIL
  - \* Books Edited : NIL
  - \* Books with ISBN/ISSN numbers with details of publishers : 03
  - \* Citation Index : NIL
  - \* SNIP : NIL
  - \* SJR : NIL
  - \* Impact factor : NIL
  - \* h-index : NIL
20. Areas of consultancy and income generated : NIL
21. Faculty as members in : NIL

a) National committees b) International Committees c) Editorial Boards....

22. Student projects : NIL

a) Percentage of students who have done in-house projects including inter departmental/programme

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

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

a) National

b) International

26. Student profile programme/course wise:

Academic Year	Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2007-2008	F. Y. BA	161	161	50	111	90.57
	S. Y. BA	131	131	36	95	96.15
	T. Y. BA	62	62	17	45	72.73
2008-2009	F. Y. BA	64	64	17	47	76.05
	S. Y. BA	42	42	15	27	82.05
	T. Y. BA	59	59	15	44	91.07
2009-2010	F. Y. BA	147	147	63	84	68.87
	S. Y. BA	54	54	07	47	96.30
	T. Y. BA	36	36	09	27	81.82
2010-2011	F. Y. BA	93	93	45	48	83.9
	S. Y. BA	46	46	20	26	94.11
	T. Y. BA	60	60	20	40	87.03
2011-2012	BA Sem-1	93	93	46	47	52.5
	BA Sem-2	70	70	30	40	74.28
	S. Y. BA	41	41	19	22	71.5
	T. Y. BA	59	59	19	40	83.92



2012-2013	BA Sem-1	102	102	41	61	70.68
	BA Sem-2	102	102	41	61	73.52
	BA Sem-3	61	61	27	34	77.4
	BA Sem-4	57	57	23	34	76.78
	T. Y. BA	41	41	16	23	77.5
2013-2014	BA Sem-1	102	102	63	39	---
	BA Sem-2	101	101	62	39	---
	BA Sem-3	75	75	28	47	---
	BA Sem-4	75	75	28	47	---
	BA Sem-5	55	55	21	34	---

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BA	100%	NIL	NIL
MA	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : NIL

## 29. Student progression

Student progression	Against % enrolled
UG to PG	95.15
PG to M.Phil.	10.5
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed ⇒ Campus selection ⇒ Other than campus recruitment	5
Entrepreneurship/Self-employment	10

## 30. Details of Infrastructural facilities

- a) Library - Central facility is available in college.
- b) Internet facilities for Staff & Students - Yes
- c) Class rooms with ICT - Yes
- d) Laboratories - No

## 31. Number of students receiving financial assistance from college, university, government or other agencies :

The SC, ST, OBC, Minority, EBC and Physically challenged students receive financial assistance from state/central government as per rules.

## 32. Details on student enrichment programmes (special lectures / workshops/seminar) with external experts -

Name & position of external expert	Date	Topic
Dr. Naresh Ved Ex.VC, Bhavnagar & Gujarat University	---	Importance of entrepreneurs in the context of employment
Dr. M. K. Yagnik S. P. University, V.V.Nagar	12/01/2010 12/01/2011	Swami Vivekanand's life

## 33. Teaching methods adopted to improve student learning :

- Power point presentations.
- Interactive method.
- Chalk & talk.

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Actively engaged in various College Committees.

## 35. SWOC analysis of the department and Future plans.

Strengths:

- Members of faculty are continuously striving to enrich the quality in profession.
- Faculty members utilize library facility to refer renowned journals and magazines.
- Faculty members are involved in mentoring for research projects of PG students.

- Faculty members are using power point presentations and internet facilities in the classroom.
- In Arts faculty, Gujarati is a regional language, so it is much empowered discipline.

Weaknesses:

- Very large numbers of students are from disadvantaged and rural communities face learning difficulties due to the lack of communicative skills.
- The recruitment of regular full time faculty is needed since long.

Opportunities :

- Students of semester VI avail local project/case study.
- Good library resources available for students and faculty.
- The study material for competitive exams is available in library.

Challenges :

- The student strength is declining compared to other allied subjects of Arts faculty.
- The students show less interest in poetry and creative literature writing.

**Evaluative Report of Department of Sociology**

1. Name of the department : SOCIOLOGY
2. Year of Establishment : 1946
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : U.G. & P.G.
4. Names of Interdisciplinary courses and the departments/units involved:  
The interdisciplinary courses offered are Bhartiya Sabhyata, Indian Culture & Heritage, Environment Science, Sports & Practices, e-Communication, Basic Computer Application, Gandhian Philosophy, Child Counselling, Fundamental Rights & Duties and Journalism as either foundation or soft skill courses.
5. Annual/ semester/choice based credit system (programme wise) :  
CBCS/Semester
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 : Nil
9. Number of Teaching posts

	Sanctioned	Filled
Associate Professors	01	01
Asst. Professors	01	Nil

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
I.A.Shaikh	M.A.	Associate Professor		21 Years	Nil
P.K.Shah	M.A. M.Phil., L.L.B.,B.Ed.	Ad-hoc	M.Phil.	10 Years	Nil

11. List of senior visiting faculty : Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 50%
13. Student -Teacher Ratio (programme wise) : 64 : 1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Nil
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : P.G. -01 & M.Phil. – 01.
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 P.G. Centre facility
19. Publications:
  - ⇒ a) Publication per faculty - 1
  - ⇒ Number of papers published in peer reviewed journals (national /international) by faculty and students -
  - ⇒ Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - Nil
  - ⇒ Monographs : Nil
  - ⇒ Chapter in Books : Nil
  - ⇒ Books Edited : Nil
  - ⇒ Books with ISBN/ISSN numbers with details of publishers : Nil
  - ⇒ Citation Index : Nil
  - ⇒ SNIP : Nil
  - ⇒ SJR : Nil
  - ⇒ Impact factor : Nil
  - ⇒ h-index : Nil
20. Areas of consultancy and income generated : Nil
21. Faculty as members in

- a) National committees b) International Committees c) Editorial Boards  
: Nil
22. Student projects :
- a) Percentage of students who have done in-house projects including inter departmental/programme : 100% (for Sem-6 : UG, M.A. Sem-4)
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies
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
- a) National : Nil
- b)International : Nil
26. Student profile programme/course wise:

Academic Year	Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2007-2008	F. Y. BA	68	68	17	51	96.42
	S. Y. BA	72	72	13	59	93.65
	T. Y. BA	34	34	09	25	100
2008-2009	F. Y. BA	55	55	14	41	73.33
	S. Y. BA	60	60	16	44	100
	T. Y. BA	59	59	14	45	91.37
2009-2010	F. Y. BA	77	77	21	56	60
	S. Y. BA	42	42	15	27	95.23
	T. Y. BA	60	60	17	43	79.31
2010-2011	F. Y. BA	86	86	39	47	79.71
	S. Y. BA	48	48	08	40	85.41
	T. Y. BA	44	44	07	37	84.09
2011-2012	BA Sem-1	66	66	30	36	90.47
	BA Sem-2	54	54	25	29	96.29
	S. Y. BA	69	69	26	43	80.82
	T. Y. BA	43	43	08	35	88.37

2012-2013	BA Sem-1	83	83	36	47	43.39
	BA Sem-2	83	83	36	47	89.36
	BA Sem-3	45	45	14	31	75.55
	BA Sem-4	45	45	14	31	37.77
	T. Y. BA	66	66	18	48	78.46
2013-2014	BA Sem-1	42	42	27	15	---
	BA Sem-2	---	---	---	---	---
	BA Sem-3	40	40	25	15	---
	BA Sem-4	---	---	---	---	---
	BA Sem-5	46	46	15	31	---
2013-2014	BA Sem-1	18	18	11	07	51.42
	BA Sem-2	20	20	12	08	60.60
	BA Sem-3	12	12	08	04	46.15
	BA Sem-4	15	15	11	04	60
	BA Sem-5	23	23	15	08	63.88
	BA Sem-6	23	23	15	08	67.64

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BA	100%	NIL	NIL
MA	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : Nil

## 29. Student progression

Student progression	Against % enrolled
UG to PG	92.10
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed ⇒ Campus selection ⇒ Other than campus recruitment	N.A.
Entrepreneurship/Self-employment	N.A.

## 30. Details of Infrastructural facilities

- a) Library : Yes, Central facility is available in College.
- b) Internet facilities for Staff & Students : Yes
- c) Class rooms with ICT facility : Yes
- d) Laboratories : No

## 31. Number of students receiving financial assistance from college, university, government or other agencies Scholarships received by government

The SC, ST, OBC, Physically challenged students receive financial assistance from state government as per rules.

## 32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Name & position of external expert	Date	Topic
Dr. M. K. Yagnik	12/01/2010	Swami Vivekanand's life
S. P. University, V.V.Nagar	12/01/2011	

## 33. Teaching methods adopted to improve student learning

- Power point presentations with internet connectivity.
- Interactive method.
- Chalk & talk.
- Field visits.

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities .

Faculty member is involved in many social works and movements in Petlad Mahila Mandal (N. G. O.).

## 35. SWOC analysis of the department and Future plans

⇒ Strength:

- The students are regularly involved in social survey and classroom seminars.
- ICT based teaching and learning.
- Strengthening student's learning through classroom seminars.
- Most of the students opt for post graduation.

• Weaknesses:

- Limited grant-in-aid faculty.



- The students are not making optimum use of library.

⇒ Opportunities:

- To improve academic standards of slow learners and weak students.
- Encourage the students to carry out research projects.
- The students have bright future in social work with NGOs.

⇒ Challenges:

- In Social Sciences, Sociology is a basic empowered discipline in Arts faculty, but this discipline has to address the rapidly changing need of the society.
- The consequences of above results in inadequate job opportunities.

⇒ Future Plan:

- Faculty of the department plan to submit minor projects to various funding agencies.
- Students of semester VI will conduct local project/case study.
- Faculty members also hope that social magazine will be launched in Gujarati language, which will be published thrice a year, its name will be “Samaj Chintan”.
- Faculty members will attempt to encourage the students for various competitive examination and may provide necessary materials and coaching.

**Evaluative Report of Department of Economics**

1. Name of the department : Economics
2. Year of Establishment : 1946
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : U.G.& P.G.
4. Names of Interdisciplinary courses and the departments/units involved:  
The interdisciplinary courses offered are Bhartiya Sabhyata, Indian Culture & Heritage, Environment Science, Sports & Practices, e-Communication, Basic Computer Application, Gandhian Philosophy, Child Counselling, Fundamental Rights & Duties and Journalism as either foundation or soft skill courses.
5. Annual/ semester/choice based credit system (programme wise) : Semester [CBSC]
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 : Nil.
9. Number of Teaching posts:

	Sanctioned	Filled
Associate Professors	Nil	Nil
Asst. Professors	01	01
Part Time / Ad-hoc	---	01 / 01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for
Dr. A. N. Patel	M.A. Ph.D.	Assistant Professor	---	03	---
Ms. S. S. Vyas	M.A. M.Phil	Part Time	---	21	---
Mr. R. R. Vankar	M.A.	Ad-hoc	---	13	---

11. List of senior visiting faculty : Prof. P. S. Patel (Ex. Head, Dept. of Economics, 35 years of teaching experience)
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 14%
13. Student -Teacher Ratio (programme wise) : 37 : 1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Nil
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG : P.G., M.Phil, Ph.D., G- SET
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 : P. G. Centre
19. Publications:
  - ⇒ a) Publication per faculty : 01
  - ⇒ Number of papers published in peer reviewed journals (national /international) by faculty and students :
  - ⇒ Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil
  - ⇒ Monographs : Nil
  - ⇒ Chapter in Books : Nil
  - ⇒ Books Edited : Nil
  - ⇒ Books with ISBN/ISSN numbers with details of publishers : Nil
  - ⇒ Citation Index : Nil
  - ⇒ SNIP : Nil
  - ⇒ SJR : Nil
  - ⇒ Impact factor : Nil
  - ⇒ h-index : Nil
20. Areas of consultancy and income generated : Nil

21. Faculty as members in : Nil  
 a) National committees b) International Committees c) Editorial Boards
22. Student projects ;  
 a) Percentage of students who have done in-house projects including inter departmental/programme : Nil  
 b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : 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  
 a) National : Nil  
 b) International : Nil
26. Student profile programme/course wise:

Academic Year	Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2007-2008	F. Y. BA	30	30	16	14	95.24
	S. Y. BA	23	23	11	12	90.50
	T. Y. BA	14	14	10	04	100.0
2008-2009	F. Y. BA	20	20	09	11	83.89
	S. Y. BA	20	20	08	12	100.0
	T. Y. BA	23	23	11	12	73.91
2009-2010	F. Y. BA	46	46	23	23	78.12
	S. Y. BA	14	14	05	09	100.0
	T. Y. BA	20	20	07	13	77.77
2010-2011	F. Y. BA	24	24	10	14	84.21
	S. Y. BA	22	22	09	13	100.0
	T. Y. BA	11	11	04	07	100.0
2011-2012	BA Sem-1	26	26	13	13	75.0
	BA Sem-2	26	26	13	13	85.71
	S. Y. BA	20	20	09	11	80.95
	T. Y. BA	22	22	09	13	100.0

2012-2013	BA Sem-1	25	25	08	17	96.55
	BA Sem-2	25	25	08	17	92.0
	BA Sem-3	13	13	06	07	88.88
	BA Sem-4	13	13	06	07	100.0
	T. Y. BA	19	19	08	11	100.0
2013-2014	BA Sem-1	30	30	12	18	---
	BA Sem-2	30	30	12	18	---
	BA Sem-3	21	21	08	13	---
	BA Sem-4	21	21	08	13	---
	BA Sem-5	15	15	07	08	---

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BA	100%	NIL	NIL
MA	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : NIL

## 29. Student progression

Student progression	Against % enrolled
UG to PG	90 %
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed Campus selection Other than campus recruitment	N.A. 10
Entrepreneurship/Self-employment	01

30. Details of Infrastructural facilities a) Library : College Central library.

b) Internet facilities for Staff & Students : Yes.

c) Class rooms with ICT facility : Yes.

31. Number of students receiving financial assistance from college, university, government or other agencies -

The SC, ST, OBC, Physically challenged students receive financial assistance from state government as per rules.

32. Details on student enrichment programmes (special lectures /workshops/seminar) with external experts :

Name & position of external expert	Date	Topic
Dr. T. R. Hathi Ex. offg. VC , Kachchh University	21/11/2009	Current Trends in Indian Economics

33. Teaching methods adopted to improve student learning :

- ICT enabled Power Point presentations.
- Chalk & talk.
- Group discussion.
- Field survey.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities :

- Actively engaged in various College Committees.

35. SWOC analysis of the department and Future plans:

⇒ Strengths:

- ICT enabled Classroom teaching.
- Internet facility for students & faculty.
- Excellent Student counseling and support services.
- Library and research programs for students & faculties.
- Qualified faculties.

⇒ Weaknesses:

- Old infrastructure.
- Absence of subject quality measurements.
- Lack of incentives for employees.

⇒ Opportunities:

- To hire diverse faculty; Continued growth.
- To improve teaching and learning infrastructure.

⇒ Challenges:

- Level and background of knowledge of the students is poor.
- Limited number of subject - interested students from rural areas.

⇒ Future Plan:

- Faculty members will try to publish economics magazine.
- Faculty members will attempt to encourage the students for state, national competitive examination and will be provide necessary materials by faculty.
- Faculty members will more conduct students seminar, unit test and quiz test.

**Evaluative Report of Department of Sanskrit**

1. Name of the department : Sanskrit
2. Year of Establishment : 1946
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
4. Names of Interdisciplinary courses and the departments/units involved :  
The interdisciplinary courses offered are Bhartiya Sabhyata, Indian Culture & Heritage, Environment Science, Sports & Practices, e-Communication, Basic Computer Application, Gandhian Philosophy, Child Counselling, Fundamental Rights & Duties and Journalism as either foundation or soft skill courses.
5. Annual/ semester/choice based credit system (programme wise) :  
Semester (CBCS)
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/programs discontinued (if any) with reasons : NIL
9. Number of Teaching posts :

	Sanctioned	Filled
Associate Professors	---	---
Asst. Professors	02	NIL
Part Time/Ad hoc	01/---	01/01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
M. B. Vaghela	M.A, B.Ed.	Part Time	-	22 years	-
D. S. Chauhan	M.A, B.Ed.	Ad-hoc	-	1 year	-



11. List of senior visiting faculty : No
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : 40%
13. Student -Teacher Ratio (programme wise) : 150 : 01
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : No
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : P.G
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : No
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : No
18. Research Centre /facility recognized by the University : No
19. Publications:
  - a) Publication per faculty : 01

Number of papers published in peer reviewed journals (national /international) by faculty and students : Nil

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil

  - ⇒ Monographs : Nil
  - ⇒ Chapter in Books : Nil
  - ⇒ Books Edited : Nil
  - ⇒ Books with ISBN/ISSN numbers with details of publishers : Nil
  - ⇒ Citation Index : Nil
  - ⇒ SNIP : Nil
  - ⇒ SJR : Nil
  - ⇒ Impact factor : Nil
  - ⇒ h-index : Nil
20. Areas of consultancy and income generated : Nil

21. Faculty as members in
- a) National committees b) International Committees c) Editorial Boards : Nil
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme : Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : 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
- a) National : Nil
- b) International : Nil
26. Student profile programme/course wise:

Academic Year	Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2007-2008	F. Y. BA	181	181	114	67	94.81
	S. Y. BA	102	102	26	76	95.56
	M. A. - I	71	71	31	40	---
	M. A. - II	46	46	17	29	---
2008-2009	F. Y. BA	164	164	52	112	80.15
	S. Y. BA	70	70	22	48	81.43
	M. A. - I	80	80	31	49	---
	M. A. - II	42	42	15	27	---
2009-2010	F. Y. BA	275	275	112	163	61.95
	S. Y. BA	67	67	13	54	100
	M. A. - I	90	90	22	68	---
	M. A. - II	47	47	18	29	---
2010-2011	F. Y. BA	196	196	82	114	81.89
	S. Y. BA	66	66	23	43	86.15

2011-2012	SEM-1 EC-1	38	38	20	18	88.65
	EC-2	66	66	27	39	94.44
	COMP	184	184	89	95	88.25
	S.Y.B.A	92	92	38	54	96.82
2012-2013	SEM-1 EC-1	17	17	14	03	70.58
	EC-2	93	93	28	65	72.04
	COMP	184	184	81	103	78.14
	SEM-2 EC-1	17	17	14	03	81.82
	EC-2	93	93	28	65	76.92
	COMP	184	184	81	103	57.37
	SEM-3	25	25	10	15	100
	SEM-4	23	23	08	15	95.62
2013-2014	SEM-1 EC-1	36	36	20	16	---
	EC-2	69	69	41	28	---
	COMP	179	179	107	72	---
	SEM-3	12	12	10	02	---
2014-2015	SEM-1 EC-1	28	28	15	13	64.28
	EC-2	70	70	45	25	88.57
	COMP	204	204	118	86	86.27
	SEM-2 EC-1	26	26	09	17	76.92
	EC-2	60	60	26	34	85
	COMP	176	176	82	94	75.56
	SEM-3	24	24	14	10	58.33
	SEM-4	24	24	16	08	87.5

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BA	100%	NIL	NIL

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

## 29. Student progression:

Student progression	Against % enrolled
UG to PG	N.A.
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed	
Campus selection	N.A.
Other than campus recruitment	N.A.
Entrepreneurship/Self-employment	N.A.

## 30. Details of Infrastructural facilities

- Library : YES, Central library facility.
- Internet facilities for Staff & Students : Yes
- Class rooms with ICT facility : Yes
- Laboratories : No

## 31. Number of students receiving financial assistance from college, university, government or other agencies :

The SC, ST, OBC, Physically challenged students receive financial assistance from state government as per rules.

## 32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts-yes (Remedial Classes, Seminar) : NIL

## 33. Teaching methods adopted to improve student learning :

- Chalk & talk.
- Shloka reciting practice.

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Member in various College committees.

## 35. SWOC analysis of the department and Future plans

⇒ Strenghts:

- Sanskrit is offered as compulsory core and elective subject.
- High success rate of the students.

⇒ Weaknesses:

- The students are not conscious about improvement in vocabulary.

⇒ Opportunities:

- Translator of Sanskrit is required in various fields.
- All the ancient literature is in Sanskrit.

⇒ Challenges:

- Less job opportunities.

⇒ Future Plans:

- Faculty members will attempt to encourage the Student for competitive Examination.
- Faculty members will also conduct students & seminars, unit test and subject related Quiz test.
- More passionate Shloka reciting practices for the students.

**Evaluative Report of Department of English**

1. Name of the department : English
2. Year of Establishment : 1946
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
4. Names of Interdisciplinary courses and the departments/units involved :  
The interdisciplinary courses offered are Bhartiya Sabhyata, Indian Culture & Heritage, Environment Science, Sports & Practices, e-Communication, Basic Computer Application, Gandhian Philosophy, Child Counselling, Fundamental Rights & Duties and Journalism as either foundation or soft skill courses.
5. Annual/ semester/choice based credit system (programme wise) :  
Annual (till May 2011); Semester- CBCS (from June 2011)
6. Participation of the department in the courses offered by other departments :  
NIL
7. Courses in collaboration with other universities, industries, foreign institutions, etc. :  
SCOPE Programme offered by the Government of Gujarat in collaboration with Cambridge University, UK.
8. Details of courses/programmes discontinued (if any) with reasons : NIL
9. Number of Teaching posts

	Sanctioned	Filled
Associate Professors	01	01
Asst. Professors	NIL	NIL

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
A. V. Pandya	M.A.	Associate Professor	English Literature	22	NIL

11. List of senior visiting faculty : NIL
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : NIL
13. Student -Teacher Ratio (programme wise) : 905:01
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : NIL
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG : PG - 01
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 : NIL
  - \* Number of papers published in peer reviewed journals (national /international) by faculty and students : NIL
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : NIL
  - \* Monographs : NIL
  - \* Chapter in Books : NIL
  - \* Books Edited : NIL
  - \* Books with ISBN/ISSN numbers with details of publishers : NIL
  - \* Citation Index : NIL
  - \* SNIP : NIL
  - \* SJR : NIL
  - \* Impact factor : NIL
  - \* h-index : NIL
20. Areas of consultancy and income generated : NIL

21. Faculty as members in : NIL  
 a) National committees b) International Committees c) Editorial Boards....
22. Student projects : NIL  
 a) Percentage of students who have done in-house projects including inter departmental/programme  
 b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies
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  
 a) National  
 b) International
26. Student profile programme/course wise:

Academic Year	Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2007-2008	F.Y.B.Sc./BA	46/181	46/181	31/114	15/67	79%/94.81%
	S.Y.B.Sc/BA	41/153	41/153	16/37	25/116	97.67%/94.28%
	T.Y.B.Sc/BA	34/110	34/110	15/35	19/75	100%/79.10%
2008-2009	F.Y.B.Sc./BA	62/164	62/164	42/52	20/112	88.09%/80.15%
	S.Y.B.Sc./BA	39/124	39/124	21/42	18/82	91%/99.90%
	T.Y.B.Sc/BA	42/142	42/142	28/42	14/100	82%/88.72%
2009-2010	F.Y.B.Sc./BA	182/275	182/275	107/11	75/163	66.39%/74.63%
	S.Y.B.Sc/BA	40/107	40/107	21/27	19/80	97.05%/97.08%
	T.Y.B.Sc/BA	33/115	33/115	20/33	13/82	90.32%/78%
2010-2011	F.Y.B.Sc./BA	121/196	121/196	87/87	34/109	58.09%/83.10%
	S.Y.B.Sc/BA	76/135	76/135	40/38	36/97	97.36%/93.33%
	T.Y.B.Sc/BA	42/100	42/100	23/26	19/74	78.26%/88.00%
2011-2012	B. Sc/BA Sem 1	118/184	118/184	82/89	36/95	49.45%/48.17%
	B. Sc/BA Sem 2	91/164	91/164	63/52	28/112	97.67%/95.74%
	S.Y. BA	99/143	99/143	73/53	26/90	82.82%/77.67%
	T.Y.B.Sc/BA	76/126	76/126	41/35	35/91	97.40%/85.15%



2012-2013	B. Sc/BA Sem 1	180/196	180/196	114/87	66/109	93.15%/79.19%
	B. Sc/BA Sem 2	180/184	180/184	114/81	66/103	94.85%/68%
	B. Sc/BA Sem 3	85/127	85/127	54/51	31/76	100%/76%
	B. Sc/BA Sem 4	85/127	85/127	54/51	31/76	85.54%/91.45%
	T.Y.B.Sc/BA	97/127	97/127	72/42	25/85	90.72%/88.33%
2013-2014	B. Sc/BA Sem 1	369/179	369/179	221/10	148/72	---
	B. Sc/BA Sem 2	300/130	300/130	180/62	120/68	---
	B. Sc/BA Sem 3	137/137	137/137	82/69	55/78	---
	B. Sc/BA Sem 4	130/130	130/130	78/52	52/78	---
	B. Sc/BA Sem 5	93/115	93/115	55/42	30/73	---
	B. Sc/BA Sem 6	---	---	---	---	---

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BA	100%	NIL	NIL
MA	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : NIL

## 29. Student progression:

Student progression	Against % enrolled
UG to PG	N.A.
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed ⇒ Campus selection ⇒ Other than campus recruitment	N.A.
Entrepreneurship/Self-employment	N.A.

## 30. Details of Infrastructural facilities

- a) Library : Central facility is available in college.
- b) Internet facilities for Staff & Students : Yes
- c) Class rooms with ICT : Yes
- d) Laboratories : YES

Digital Education Learning Laboratory.

25 Computers with Language software, 10 Internet connections under nme.in

31. Number of students receiving financial assistance from college, university, government or other agencies :

The SC, ST, OBC, Physically challenged students receive financial assistance from state government as per rules.

32. Details on student enrichment programmes (special lectures / workshops/seminar) with external experts –

Lectures:

- (1) Prof. A. M. Shah, Retired Professor, Shri R. K. Parikh Arts & Sc. College, Petlad
- (2) Prof. Mehta, Retired Professor, Mumbai University.

33. Teaching methods adopted to improve student learning:

- Interactive method.
- Chalk and talk.
- Practice sessions of reading and listening.
- ICT based class room teaching and learning.
- Class test, Workbook and Assignment.
- Active participation through questioning and answering Presentation of video lectures, Educational films and English Plays.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Exam center of SCOPE online examination conducted by Cambridge University UK.
- Senior Citizen Free Computer training classes under DELL activity.
- Free Computer training classes for needy students under DELL activity.
- Guidance for the preparation of SCOPE exam to students of other college.

35. SWOC analysis of the department and Future plans

Strengths:

- Well experienced, enthusiastic and qualified staff.
- Use of ICT in classroom.

- Free facility of Internet.
- DELL with Software and Multi media.
- Provision of Books and Study material in library.
- Remedial coaching classes with printed material.

Weaknesses:

- Not being able to give more time improving the English language skills of students.
- High student-teacher ratio affects the quality of teaching and analysis work.
- English is not offered as core course.
- Lack of computer literacy of UG students.
- Advance Digital dictionary for laboratory.
- Majority of the students having rural background.

Opportunities :

- The department envisages starting English as special subject in future.
- Increase use of ICT.
- To improve teaching and learning infrastructure.
- Develop new sources of income through program development.
- Could be a centre to impart short term courses in English.

Challenges :

- Despite the students being devoid of any feedback in English we enrich their knowledge to be efficient special English students.
- Lack of resources for most needy students
- Finding time slots to introduce short term courses.

**Evaluative Report of Department of Computer Science**

1. Name of the department : Computer Science
2. Year of Establishment : 1992
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
4. Names of Interdisciplinary courses and the departments/units involved:  
Computer Science is offered as an interdisciplinary course.
5. Annual/ semester/choice based credit system (programme wise):  
Annual (till May 2011); Semester- CBCS (from June 2011)
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 : NIL
9. Number of Teaching posts:

Designation	Sanctioned	Filled
Associate Professors	--	--
Asst. Professors	01	NIL
Computer Programmer	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided
Dr. Uday Hariom Vyas	M.A., M.Sc., M.Phil, Ph.D., LLB, PGDCA	Comp. Programmer	Computer	21	-
H.S. Shastri	B.Sc., DCA	Ad-hoc	Computer	6	-

11. List of senior visiting faculty : NIL
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 40%
13. Student -Teacher Ratio (programme wise) : 150: 1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.
  - Sanctioned : NIL
  - Filled : NIL
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.
  - M.Sc., M.Phil , Ph. D. - 01
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received.
  - Research Project: UGC approved Minor Research Project “ICT Literacy, Awareness and Penetration of ITES in Higher Education in State of Gujarat (A Case Studies of Selected faculty Members in Anand Dist.)”
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received
  - UGC MRP : Rs. 65,000.00
18. Research Centre /facility recognized by the University : NIL
19. Publications:
  - a) Publication per faculty : NIL

Number of papers published in peer reviewed journals (national /international) by faculty and students. : NIL

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

  - ⇒ Monographs : NIL
  - ⇒ Chapter in Books : NIL
  - ⇒ Books Edited: NIL

- ⇒ Books with ISBN/ISSN numbers with details of publishers :  
05 (Non ISBN) See Annexure 3-A
- ⇒ Citation Index : NIL
- ⇒ SNIP : NIL
- ⇒ SJR : NIL
- ⇒ Impact factor: NIL
- ⇒ h-index : NIL
- 20. Areas of consultancy and income generated :
  - Dr. U. H. Vyas is coordinator and supervise student projects of BAOU.
  - Consultancy in website designing and compilation of research papers in e-format in a National Seminar.
- 21. Faculty as members in
  - a) National committees b) International Committees c) Editorial Boards.... : NIL
- 22. Student projects : NIL
  - a) Percentage of students who have done in-house projects including inter departmental/programme : NIL
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL
- 23. Awards / Recognitions received by faculty and students : NIL
- 24. List of eminent academicians and scientists / visitors to the department.
  - Dr. N. B. Bhatt, Dr. Rajesh Patel, Dr. Mahesh Jivani, Dr. Darshan Choksi, Dr. Priti Sajja, Dr. Paresh Virparia, Dr. Gyanesh Jani, Dr. N. N. Jani, Dr. Mamta Padole, Dr. Vimal Pandya, Dr. B. M. Patel. (for details please see 3.1.8)
- 25. Seminars/ Conferences/Workshops organized & the source of Funding
  - a) National : NIL
  - b) International : NIL

## 26. Student profile programme/course wise:

Academic Year	Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2007-2008	F.Y.B.Sc./BA	31/36	31/36	13/14	18/22	100 / 97.22
	S.Y.B.Sc/BA	41/19	41/19	14/07	27/12	100 / 100
2008-2009	F.Y.B.Sc./BA	15/46	15/46	06/20	09/26	100 / 92.10
	S.Y.B.Sc./BA	02/34	02/34	02/15	00/10	Nil / 100
2009-2010	F.Y.B.Sc./BA	17/04	17/04	07/21	10/19	100 / 92.10
	S.Y.B.Sc/BA	11/32	11/32	05/14	06/18	100 / 100
2010-2011	F.Y.B.Sc./BA	91/39	91/39	60/18	31/21	93.26/ 92.30
	S.Y.B.Sc/BA	12/31	12/31	06/08	06/23	100 / 100
2011-2012	B. Sc/BA Sem 1	155/46	155/46	95/22	60/24	98.06/88.88 %
	BA Sem 2	40	40	17	23	95
	S.Y. BA	40	40	17	23	90
2012-2013	B. Sc/BA Sem 1	284/36	284/36	13	23	100
	BA Sem 2	34	34	15	19	100
	BA Sem 3	34	34	14	20	100
	BA Sem 4	33	33	13	20	97
2013-2014	B. Sc/BA Sem 1	37	37	15	22	---
	BA Sem 2	36	36	14	22	---
	BA Sem 3	30	30	06	24	---
	BA Sem 4	29	29	06	23	---

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.	100%	NIL	NIL
B.A.	100%	NIL	NIL

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : NIL

## 29. Student progression

Student progression	Against % enrolled
UG to PG	N.A.
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed Campus selection Other than campus recruitment	N.A.
Entrepreneurship/Self-employment	N.A.

## 30. Details of Infrastructural facilities

- a) Library : College central Library
- b) Internet facilities for Staff & Students:  
25 Computer are connected in Lan with Internet access.
- c) Class rooms with ICT facility : Yes
- d) Laboratories : 02

## 31. Number of students receiving financial assistance from college, university, government or other agencies :

The SC, ST, OBC, minority, Physically challenged students receive financial assistance from state government as per rules.

## 32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

- Department is organizing workshop regularly.
- Project work is give to each student on basis of subject taught to them.
- Assignment is given for each subject.
- Lectures are delivered by using multimedia projector.
- Study material, Lectures presentations etc is provided to the students.
- Video Cds of subject's materials are available in college library.



- Students are watching live lectures of eminent faculties delivered by BISAG, Gandhinagar, Gujarat.
33. Teaching methods adopted to improve student learning
- Lectures are delivered by using multimedia projector.
  - Hand on training on respected subject.
  - For slow learner's students extra classes are arranged.
  - Students are allowed to surf free Internet for reference materials.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- Free computer coaching for college students.
  - Free computer coaching for senior citizens and women engaged in social services of Petlad town.
  - Computer training for staff and family members as and when demended.
  - Dr. U. H. Vyas served as a master trainer at KMPF programme. The Computer department was actively engaged in digitalization of data in Soil Health Card project.
35. SWOT analysis of the department and Future plans.

Strengths:

- Well experienced and hardworking faculty members.
- Internet facilities available on all the computers.
- Allied computer courses run by the department.
- Extra coaching before and after college hours.
- Research grant received from UGC.
- Faculty member has published books which covers university syllabus for the students.
- Students who opt computer subjected do not require to pass 'CCC' certificate course which is mandatory for the Government job.

Weaknesses:

- Infrastructure needs upgradation against intake of the students.
- No new faculty recruitment from Government.
- Continuous up gradation of old computers is not possible all the time.
- More number of computers is required.
- Student-teacher ratio is high.

Opportunities:

- Learning this subject gives job prospects to students.

Challenges:

- Too much of competitions with private coaching classes.
- Computer science terminology in English is a challenging task for the students of rural area.

Future plans:

- At present department is offering subject as elective/subject elective. In future department will offer subject as a main subject.
- Department willing to run UGC supported Vocational courses.
- Department willing to start new programme like PGDCA and BCA.

**Evaluative Report of Department of Physics**

1. Name of the department : PHYSICS
2. Year of Establishment : 1946
3. Names of Programmes / Courses offered : UG
4. Names of Interdisciplinary courses and the departments/units involved :  
The interdisciplinary courses offered are Basic Computer & its applications, Environmental Study, Nanotechnology, Public Health and Student Research Project as either foundation or elective courses.
5. Annual/ semester/choice based credit system (programme wise) :  
Annual (till May 2011); Semester- CBCS (from June 2011)
6. Participation of the department in the courses offered by other departments :  
No
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : No
8. Details of courses/programmes discontinued (if any) with reasons : No
9. Number of Teaching posts

	Sanctioned	Filled
Associate Professors	04	03
Asst. Professors	--	--
Adhoc	--	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. V. S. Joshi	M.Sc. Ph.D.	Principal	Physics	21 Years	04
K. R. Trivedi	M.Sc.	Associate Professor	Physics-Solid state Electronics	21 Years	NIL

Dr. U. N. Patel	M.Sc. Ph.D.	Associate Professor	Physics	18 Years	NIL
Vaishali Parmar	M.Sc.	Adhoc	Physics	02	NIL
Priyanka Patel	M.Sc.	Adhoc	Physics	01	NIL

11. List of senior visiting faculty :

- Dr. T. C. Pandya (Associate Professor, St. Xavier's College, Ahmedabad)
- Prof. M. J. Shukla (Associate Professor, J & J Science College, Nadiad)

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 20%

13. Student -Teacher Ratio (programme wise) : 146:01

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Technician : 01, Adhoc Peon : 01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.  
Ph.D. : 02, PG : 01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 01  
UGC Minor Research Project (grant received Rs.1,00,000/-)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : UGC Minor Research Project (grant received Rs.1,00,000/-)

18. Research Centre /facility recognized by the University : NIL

19. Publications:

a) Publication per faculty

Number of papers published in peer reviewed journals (national/international) by faculty and students :

- ⇒ Research paper of Dr. V. S. Joshi accepted for publication in national peer reviewed journals.  
Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- ⇒ Monographs : Nil
- ⇒ Chapter in Books : Nil
- ⇒ Books Edited : 01
- ⇒ Books with ISBN/ISSN numbers with details of publishers :  
(See Annexure 3-A)
- ⇒ Citation Index : (See Annexure 3-A)
- ⇒ SNIP : Nil
- ⇒ SJR : Nil
- ⇒ Impact factor : (See Annexure 3-A)
- ⇒ h-index : (See Annexure 3-A)
- 20. Areas of consultancy and income generated : NIL
- 21. Faculty as members in
  - a) National committees b) International Committees c) Editorial Board: 01
- 22. Student projects
  - a) Percentage of students who have done in-house projects including inter departmental/programme :
    - ⇒ 100%. All the students of B.Sc. SEM-5 & 6 are offered research project work as subject elective course.
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : NIL
- 23. Awards / Recognitions received by faculty and students : 01
- 24. List of eminent academicians and scientists / visitors to the department
  - ⇒ Prof. V. N. Mani, Scientist, C.MET, Hyderabad.
  - ⇒ Dr. K. N. Joshipura, Dept. of Physics, S. P. University, V.V.Nagar.
  - ⇒ Dr. A. R. Jani, Dept. of Physics, S. P. University, V.V.Nagar.
  - ⇒ Dr. S. G. Patel, Dept. of Physics, S. P. University, V.V.Nagar.
  - ⇒ Dr. K. D. Patel, Dept. of Physics, S. P. University, V.V.Nagar.

⇒ Prof. M. J. Shukla, Associate Professor, J & J Science College, Nadiad.

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National b) International

⇒ One day seminar entitled “Nano-technology simplified through innovative Activities”

26. Student profile programme/course wise:

Academic Year	Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2007-2008	F.Y.B.Sc.	51	51	34	17	100
	S.Y.B.Sc.	12	12	09	03	100
	T.Y.B.Sc.	06	06	02	04	100
2008-2009	F.Y.B.Sc.	62	62	35	27	92.23
	S.Y.B.Sc.	22	22	21	01	90.90
	T.Y.B.Sc.	02	02	-	02	100
2009-2010	F.Y.B.Sc.	182	182	107	75	66.94
	S.Y.B.Sc.	22	22	16	06	100
	T.Y.B.Sc.	04	04	03	01	100
2010-2011	F.Y.B.Sc.	92	92	65	27	58.09
	S.Y.B.Sc.	46	46	35	11	97.77
	T.Y.B.Sc.	10	10	06	04	80.0
2011-2012	B. Sc. sem 1	96	96	78	18	33.33
	B. Sc. sem 2	96	96	78	18	57.74
	S.Y.B. Sc.	69	69	57	12	81.15
	T.Y.B. Sc.	10	10	04	06	100
2012-2013	B. Sc. sem 1	134	134	102	32	41.12
	B. Sc. sem 2	134	134	102	32	71.02
	B. Sc. sem 3	64	64	50	14	36.50
	B. Sc. sem 4	64	64	50	14	40.32
	T.Y.B. Sc	08	08	08	0	62.50

2013-2014	B. Sc. Sem 1	336	336	279	57	---
	B. Sc. Sem 2	336	336	279	57	---
	B. Sc. Sem 3	88	88	70	18	---
	B. Sc. Sem 4	88	88	70	18	---
	B. Sc. Sem 5	16	16	09	07	---
	B. Sc. Sem 6	16	16	09	07	---
2014-2015	B. Sc. Sem 1	---	---	---	---	39
	B. Sc. Sem 2	---	---	---	---	
	B. Sc. Sem 3	---	---	---	---	38.1
	B. Sc. Sem 4	---	---	---	---	
	B. Sc. Sem 5	15	15	---	---	53.3
	B. Sc. Sem 6	13	13	---	---	38.4

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : Data Not Available.

## 29. Student progression

Student progression	Against % enrolled
UG to PG	80%
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed Campus selection Other than campus recruitment	Data not available
Entrepreneurship/Self-employment	Data not available

30. Details of Infrastructural facilities

- a) Library : College central library as well as department library.
- b) Internet facilities for Staff & Students : Internet access is available for staff and students.
- c) Class rooms with ICT facility : Class rooms are furnished with LCD projector and internet facilities for presentation by students and faculties.
- d) Laboratories
  - Department has three laboratories fully equipped with all necessary sophisticated instruments. We have a research corner in the laboratory for B.Sc. Sem-5 & 6 students. We have also an electronics project facility in the laboratory.

31. Number of students receiving financial assistance from college, university, government or other agencies.

The SC, ST, OBC, minority, physically challenged students receive financial assistance from state government as per rules.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

- The students are encouraged to participate in seminars.
- Special lectures of external subject experts of nearby Colleges are arranged.
- Physics workshops are arranged regularly for B.Sc. Sem-5 & 6 students.
- The students are encouraged to participate in National Graduate Physics Examination (NGPE) and guidance is provided to them.
- The students of B.Sc. semester IV are also encouraged to participate in Advanced B.Sc. (Physics) Programme organized by Gujarat Science Academy and Vikram Sarabhai Community Science Centre , Ahmedabad. The selected students participate in 20 days summer training programme.



33. Teaching methods adopted to improve student learning

- Apart from conventional teaching methods we are using ICT enabled teaching techniques in the classrooms. We are using power point presentations in most of the classes. Some of the experiments are demonstrated using breadboards.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Students are inspired for blood donation.
- Some of the students participated in Pulse Polio drive during National Immunization day.

35. SWOC analysis of the department and Future plans  
Internal SWOC analysis is done.

STRENGTH :

- Enviably performance of the students.
- Well appreciated student appraisal of faculty performance.
- Team spirit and synergy.
- Committed teaching staff and support staff

WEAKNESS :

- The theory and practical components of the course needs to complete within stipulated time leads to lack of time for extracurricular activities.
- Faculty strength in terms of permanent vs. vacant positions.

OPPORTUNITIES :

- Active support of staff and alumni.
- IQAC committed to bring about all round development of Institution.
- Tie-up with various schools for training.

CHALLENGES :

- No laboratory staff is recruited since so many years.
- Dwindling of the number of teaching days in present semester system.

**Evaluative Report of Department of Chemistry**

1. Name of the department : CHEMISTRY
2. Year of Establishment : 1946
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG
4. Names of Interdisciplinary courses and the departments/units involved:  
The interdisciplinary courses offered are Basic Computer & its applications, Environmental Study, Nanotechnology and Public Health as either foundation or elective courses.
5. Annual/ semester/choice based credit system (programme wise):  
Annual (till May 2011); Semester- CBCS (from June 2011)
6. Participation of the department in the courses offered by other departments:  
No.
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : NIL
8. Details of courses/programmes discontinued (if any) with reasons : NIL
9. Number of Teaching posts:

	Sanctioned	Filled
Associate Professors	4	4
Asst. Professors	3	Nil
Adhoc	--	04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. R.T. Jasrai	M.Sc., M.Phil, Ph.D.	Associate Professor	Inorganic Chemistry	25	Nil

Dr. V. R. Patel	M.Sc., LLB	Associate Professor	Organic Chemistry	21	Nil
Prof. S. V. Patel	M.Sc.	Associate Professor	Organic Chemistry	19	Nil
Dr. J. A. Choudhri	M.Sc., Ph.D.	Associate Professor	Inorganic Chemistry	18	1 completed 5 students registered for Ph.D .
S. N. Patel	M.Sc.	Adhoc	Organic Chemistry	03	--
A.D. Panchal	M.Sc.	Adhoc	Organic Chemistry	03	--
D. R. Suthar	M.Sc.	Adhoc	Organic Chemistry	02	--
N. R. Maheshwari	M.Sc.	Adhoc	Organic Chemistry	02	--

11. List of senior visiting faculty:  
Dr. Niraj Shah (Head & Associate Professor, J & J Science College, Nadiad)
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 50%
13. Student -Teacher Ratio (programme wise): 74:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: sanctioned 06 & filled 4
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.  
Ph. D: 03, PG : 01
16. Number of faculty with on going projects from funding agencies and grants received: a) National :
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:  
No of project : 04, Amount sanctioned-2,95,000/-
18. Research Centre / facility recognized by the University: Nil
19. Publications:  
a) Publication per faculty:

Number of papers published in peer reviewed journals (national / international) by faculty and students:

Dr. R. T. Jasrai - 03

Dr. V.R.Patel – 05

Dr. J.A.Chaudhari – 25

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : NIL
- Books with ISBN/ISSN numbers with details of publishers :
- Citation Index : NIL
- SNIP : Nil
- SJR : Nil
- Impact factor : NIL
- h-index : NIL

20. Areas of consultancy and income generated:

Soil Health Card Project. Income generated Rs. 14,19,520.

21. Faculty as members in

a) National committees : NIL

b) International Committees: Nil

c) Editorial Boards : 01 ( Journal Club & Co., Ahmedabad)

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme: 100%

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/visitors to the department

Prof. J. D. Joshi, Prof. Pranav Srivastava, Dr. Rajesh Parab, Dr. D. K. Raval,

Prof. V. J. Shah, Dr. Anju Negi, Dr. Ritu Dixit, Mr.Chintan Mojindra. (Please see 3.1.8)

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National: Nil

b) International: Nil

26. Student profile programme/course wise:

Academic Year	Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2007-2008	F.Y.B.Sc.	51	51	34	17	100
	S.Y.B.Sc.	20	20	12	8	100
	T.Y.B.Sc.	15	15	11	4	100
2008-2009	F.Y.B.Sc.	62	62	35	27	91.11
	S.Y.B.Sc.	30	30	24	6	100
	T.Y.B.Sc.	20	20	15	5	95
2009-2010	F.Y.B.Sc.	182	182	107	75	85.96
	S.Y.B.Sc.	22	22	16	06	100
	T.Y.B.Sc.	22	22	18	4	100
2010-2011	F.Y.B.Sc.	121	121	83	38	83.16
	S.Y.B.Sc.	63	63	42	21	100
	T.Y.B.Sc.	23	23	18	05	100
2011-2012	B. Sc. sem 1	118	118	94	24	36.26
	B. Sc. sem 2	89	89	67	22	65.47
	S.Y.B. Sc.	90	90	66	24	84.75
	T.Y.B. Sc.	59	59	40	19	100
2012-2013	B. Sc. sem 1	155	155	112	43	46.40
	B. Sc. sem 2	136	136	106	30	87.12
	B. Sc. sem 3	66	66	45	21	46.15
	B. Sc. sem 4	65	65	45	20	85.48
	T.Y.B. Sc	84	84	64	20	46.83

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.	100%	NIL	NIL
B.A.	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Data N/A

## 29. Student progression

Student progression	Against % enrolled
UG to PG	N/A
PG to M.Phil.	N/A
PG to Ph.D.	N/A
Ph.D. to Post-Doctoral	N/A
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	N.A.
Entrepreneurship/Self-employment	N.A.

## 30. Details of Infrastructural facilities

- a) Library: Yes, Central Library
- b) Internet facilities for Staff & Students: Yes
- c) Class rooms with ICT facility: Yes
- d) Laboratories: 04

31. Number of students receiving financial assistance from college, university, government or other agencies:

The SC, ST, OBC, minority, physically challenged students receive financial assistance from state government as per rules.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:
- Career Guidance & Effective Resume Building Workshop by Mr. Pranav Desai.
  - Seminar on Guidance for online form filling & preparation for competitive exam by Mr. Dharmendra Rathod.
  - Seminar on 'Positive Thinking' by E.V.Gireesh
  - Lecture by Dr. Ritu Dixit and Dr. Anju Negi ARIBAS , V.V.Nagar on career in Pharmaceutical branch of Chemistry.
  - Lecture by Prof. Chintan Mojidra, CHARUSAT, Changa on career in Clinical branch .
33. Teaching methods adopted to improve student learning:
- Power point presentations.
  - Regular assignments and assessment.
  - To understand theoretical aspects thoroughly, it combine with experiments.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
- Staff member of the Department very active engaged in;
1. Career and Counseling cell
  2. Remedial Cell
  3. NSS
  4. Industrial Interface Cell(IIC)
  5. NCC
  6. Soil Health Card Project
35. SWOC analysis of the department and Future plans
- Strengths:
- The biggest department in science faculty.
  - Well set up laboratories and infrastructure.

- Faculties are actively involved in research, co-curricular and extension activities (NSS, NCC, Industrial Interface Cell & Remedial activities for socially challenged students) of the college.
- In surrounding area chemical Industrial development makes good demand for Chemistry students.

Weaknesses:

- Vacant teaching and non teaching posts.
- Most of in-take of student is from poor socio-economical.

Opportunities:

- Ample of opportunities for the students to get easily absorbed in nearby Chemical industries.

Challenges:

- In near vicinity presence of S.P.University, offering more opportunities in academics.
- Insufficient allocation of grant and staff from Government.

Future plans:

To set up Post graduation and Research facilities in the department.



### Evaluative Report of Department of Microbiology

1. Name of the department: S. K. Microbiology Department
2. Year of Establishment: 15 June 1996
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG - Microbiology
4. Names of Interdisciplinary courses and the departments/units involved :  
The interdisciplinary courses offered are Basic Computer & its applications, Environmental Study, Nanotechnology and Public Health as either foundation or elective courses.
5. Annual/ semester/choice based credit system (programme wise):  
Annual (till May 2011); Semester- CBCS (from June 2011)
6. Participation of the department in the courses offered by other departments: No
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: No
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

	Sanctioned	Filled
Associate Professors	03	02
Asst. Professors	00	00

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
B. D. Joshi	M. Sc.	Associate Professor	Microbiology	20	Nil
V. N. Vora	M. Sc.	Associate Professor	Microbiology	20	Nil
M. S. Parekh	M. Sc.	Faculty (Adhoc)	Microbiology	Six months	Nil

11. List of senior visiting faculty: nil
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: 20%
13. Student -Teacher Ratio (programme wise): 16:01
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Lab. Assistant = 01 and Lab. Peon = 01
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. All teaching faculties in Microbiology are 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
  - \* a) Publication per faculty
  - \* Number of papers published in peer reviewed journals (national/ international) by faculty and students
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Monographs
  - \* Chapter in Books:  
Co-author of the topic “Basic Chemistry for Microbiology” in the text book “Elementary Microbiology: Vol-I”, (1995), Akta Prakashan, Nadiad.
  - \* Books Edited
  - \* Books with ISBN/ISSN numbers with details of publishers
  - \* Citation Index
  - \* SNIP
  - \* SJR
  - \* Impact factor
  - \* h-index

20. Areas of consultancy and income generated: Nil
21. Faculty as members in: Nil
- a) National committees b) International Committees c) Editorial Boards....
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme: 100%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil
23. Awards / Recognitions received by faculty and students: Nil
24. List of eminent academicians and scientists / visitors to the department :  
Dr. V. N. Upasani (Please see 3.1.8)
25. Seminars/ Conferences/Workshops organized & the source of funding  
a) National b) International
26. Student profile programme/course wise:

Academic Year	Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2007-2008	S.Y.B.Sc.	18	18	2	16	100
	T.Y.B.Sc.	13	13	0	13	100
2008-2009	S.Y.B.Sc.	6	6	0	6	100
	T.Y.B.Sc.	18	18	2	16	74
2009-2010	S.Y.B.Sc.	9	9	0	9	100
	T.Y.B.Sc.	6	6	0	6	83.33
2010-2011	S.Y.B.Sc.	7	7	0	7	100
	T.Y.B.Sc.	9	9	0	9	100
2011-2012	B. Sc. sem 1	16	16	1	15	37.5
	B. Sc. sem 2	15	15	0	15	53.3
	S.Y.B. Sc.	06	06	1	5	100
	T.Y.B. Sc.	07	07	0	7	100
2012-2013	B. Sc. sem 1	29	29	4	25	31
	B. Sc. sem 2	29	29	4	25	86
	B. Sc. sem 3	7	7	0	7	57
	B. Sc. sem 4	7	7	0	7	57
	T.Y.B. Sc	5	5	1	4	100

2013-2014	B. Sc. Sem 1	24	24	04	20	67
	B. Sc. Sem 2	22	22	02	20	45
	B. Sc. Sem 3	17	17	04	13	41
	B. Sc. Sem 4	17	17	04	13	29
	B. Sc. Sem 5	07	07	00	07	28
	B. Sc. Sem 6	07	07	00	07	28
2014-2015	B. Sc. Sem 1	69	69	25	44	30.5
	B. Sc. Sem 2	65	65	24	41	25
	B. Sc. Sem 3	15	15	01	14	33.33
	B. Sc. Sem 4	15	15	01	14	73.33
	B. Sc. Sem 5	19	19	05	14	16
	B. Sc. Sem 6	19	19	05	14	16

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.	100%	NIL	NIL

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Data not available

## 29. Student progression:

Student progression	Against % enrolled
UG to PG	About 10%
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed • Campus selection • Other than campus recruitment	N.A.
Entrepreneurship/Self-employment	N.A.

30. Details of Infrastructural facilities

a) Library:

College central library is used by staff and students for reference work. Books issued to staff are maintained in department and issued to students when required.

b) Internet facilities for Staff & Students:

Internet facility (VPN and Network facility) is available in the department.

c) Class rooms with ICT facility:

Class room with projector is available for lectures and presentations by students.

d) Laboratories:

The department is having one fully furnished laboratory with a capacity of 30 students. The department is having an exclusive collection of highly sophisticated and costly instruments/equipments.

31. Number of students receiving financial assistance from college, university, government or other agencies:

The SC, ST, OBC, minority, physically challenged students receive financial assistance from state government as per rules.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

To coordinate the activities of Microbiology Department, and to enhance interest in study, subject exposure and to develop personality of the students "Microbiology Student Circle" was established during January 1998 for the following objectives;

- To involve the students in state level competitions.
- To avail them practical manual and lab requirements on no-profit no-loss basis.
- To provide them subject related articles from journals, periodicals and international reference books.
- To arrange get-together program of S. Y. and T. Y. Microbiology students for entertainment and intimateness to improve their personality.
- To arrange study tour as a part of the syllabus.
- To arrange the lectures of resource persons.

33. Teaching methods adopted to improve student learning:

The modern teaching methods mainly adopted by the teachers of Microbiology Department to enhance learning resources are:

- Use of interactive CDs supplied with many international editions.
- Use of slides and Over Head Projector.
- Group discussions.
- Use of educational charts showing metabolic pathways, molecular mechanism of DNA replication and gene expression.
- Routine class work is done using power point presentations.
- Models are use to explain certain processes.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The faculty members and students of S. K. Microbiology Department are taking keen interest in extension activities like:

- Blood donation and Pulse Polio camps by Red Cross and Rotary Club.
- Blood group testing camp.
- Thalassaemia and AIDS awareness camp.
- Helping the school teachers in project work.
- Bacteriological testing of quality of drinking water.

35. SWOT analysis of the department and Future plans:

Strength:

- Keeping in mind the demand from society, microbiology subject was introduced in June 1996.
- Qualified faculties look after the students.
- Good infrastructure with well equipped laboratory and an excellent library facility with international reference books.
- Medium of instruction is English.
- Many students got settled abroad.
- Very effective academic and co-curricular activities, field works.
- Mentoring of students.
- Teaching and learning through -Presentations, -Quiz, Seminars, CDROMs, and online resources are also used in theory and practical.
- Impart value based education.

Weaknesses:

- Rural, less active student's flow with very limited knowledge.
- Very little enthusiasm for extra activities from students as well as other stake holders.
- Enrolled students do not have passion for learning and reading.

Opportunities:

- Very limited strength of students, personal care for each student.
- Reference books made available to each student.
- Personal attention for need based students (Remedial coaching classes).
- Qualified and dedicated staff.
- To provide professional training to groom them as rural entrepreneurs.
- To pursue challenging tasks in the interest of students.
- Ready to use teaching and learning material available.

Threats:

- Be short of government appointed laboratory staff and faculty.
- Interdisciplinary courses are available in surrounding educational hubs which may attract them for admission.
- Poor academic status of incoming students.
- Very few students go for higher education and research work.

➤ Future Plan of the Microbiology Department:

If the vacancies of the faculties and permanent laboratory staff in the department are filled by the Higher Education Department, Government of Gujarat, we will propose to start:

- Interdisciplinary courses like: Biotechnology, Bioinformatics, etc.
- Certificate course in Medical Laboratory Technology.
- Arrangement of hands on training in Laboratory Techniques for faculties and students.
- Project work will be assigned to meritorious students with stipends/scholarship.

The faculty members are also planning for the proposal of projects in various funding agencies.

**Evaluative Report of Department of Mathematics**

1. Name of the department : Mathematics
2. Year of Establishment: 1946
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG ( Up to Second Year [4 Sem.] )
4. Names of Interdisciplinary courses and the departments/units involved:  
The interdisciplinary courses offered are Basic Computer & its applications, Environmental Study, Nanotechnology and Public Health as either foundation or elective courses.
5. Annual/ semester/choice based credit system (programme wise):  
Annual (till May 2011); Semester- CBCS (from June 2011)
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
9. Number of Teaching posts

	Sanctioned	Filled
Associate Professors	----	----
Asst. Professor	03	00
Part Time Asst. Professor	----	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Shukla Snehal D.	M.Sc. Ph.D.	Asst. Professor	Master in Pure Mathematics Research in Applied Mathematics	20 years	N.A.



11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL
13. Student -Teacher Ratio (programme wise): 232:01
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. : 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: UGC
18. Research Centre / facility recognized by the University: Nil
19. Publications:
  - \* a) Publication per faculty:
  - \* Number of papers published in peer reviewed journals (national / international) by faculty and students: 10 (International )
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Monographs : NIL
  - \* Chapter in Books : NIL
  - \* Books Edited : NIL
  - \* Books with ISBN/ISSN numbers with details of publishers :  
01, Rough Bearing Lubricated with Magnetic Fluid (Lambert Academic Publishers, Jan. 2015)
  - \* Citation Index: See Annexure 3-A
  - \* SNIP : NIL
  - \* SJR : NIL
  - \* Impact factor: See Annexure 3-A
  - \* h-index: See Annexure 3-A
20. Areas of consultancy and income generated: N.A.

## 21. Faculty as members in

- a) National committees    b) International Committees    c) Editorial Boards:

Member of Peer Reviewed journals in...

- (1) SAGE Journal of Mechanical Engineering Part-J (U.K.)
- (2) International Journal of Computational and Material Science(USA)
- (3) Journal of Applied Fluid Mechanics (Iran)

## 22. Student projects : Nil

- a) Percentage of students who have done in-house projects including inter departmental/programme
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

## 23. Awards / Recognitions received by faculty and students : NIL

## 24. List of eminent academicians and scientists / visitors to the department :

Dr. J. R. Patadiya, Dr. M. H. Vasavda, Prof. Udayan Prajapati, Prof. Mrs. H. M. Vasavda, Prof. D. H. Patel, Prof. M. B. Shah, Prof. P. K. Vyas, Prof. A. K. Virani (Please see 3.1.8)

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding : Nil

- a) National                      b) International

## 26. Student profile programme/course wise:

Academic Year	Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2012-2013	B. Sc. sem 1	76	76	57	19	50
	B. Sc. sem 2	69	69	52	17	76.81
	B. Sc. sem 3	11	11	05	06	72.72
	B. Sc. sem 4	11	11	05	06	45.45
2013-2014	B. Sc. Sem 1	217	217	196	21	48.35
	B. Sc. Sem 2	217	217	196	21	56
	B. Sc. Sem 3	15	15	09	06	53.58
	B. Sc. Sem 4	15	15	09	06	53.58
2014-2015	B. Sc. Sem 1	112	112	94	18	45.43
	B. Sc. Sem 2	101	101	84	17	42.57
	B. Sc. Sem 3	22	22	15	07	45.45
	B. Sc. Sem 4	21	21	14	07	66.66

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil

## 29. Student progression

Student progression	Against % enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	NA
Entrepreneurship/Self-employment	NA

## 30. Details of Infrastructural facilities

- a) Library: Common Library
- b) Internet facilities for Staff & Students: Yes
- c) Class rooms with ICT facility: Yes
- d) Laboratories: Nil.

31. Number of students receiving financial assistance from college, university, government or other agencies: as per Government rules and regulation.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

- Four days Workshop on “What is Mathematics Really?” during 18<sup>th</sup> to 21<sup>st</sup> January 2008.
- Three days Workshop on “Near to Science” during 28<sup>th</sup> to 30<sup>th</sup> June 2010.

33. Teaching methods adopted to improve student learning:
  - Mathematics can be taught effectively using black board (chalk-walk-talk) methods.
  - Assignment and student seminar is also part of learning is adopted.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
35. SWOC analysis of the department and Future plans :

Strengths:

- Enough text books and reference books available in College library.
- Computer, Printer, Scanner and internet broadband facility available.
- Necessary study material, problem sets etc. provided to the students.

Weaknesses:

- Insufficient infrastructure facility.
- Insufficient staff.

Opportunities:

- There is increased demand of mathematics teachers in schools and industries.

Challenges:

- To run the department with only part time lecture is a challenging situation.

Future Plans:

- To establish well furnish Computer laboratory for Sem. 3 and 4 students for practicals.
- Mathematics corner for improving basic concepts of Maths and create interest with research point of view.

**Evaluative Report of Department of Biology**

1. Name of the department: Biology
2. Year of Establishment: 1946
3. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG
4. Names of Interdisciplinary courses and the departments/units involved:  
The interdisciplinary courses offered are Basic Computer & its applications, Environmental Study, Nanotechnology and Public Health as either foundation or elective courses.
5. Annual/ semester/choice based credit system (programme wise):  
Annual (till May 2011); Semester- CBCS (from June 2011)
6. Participation of the department in the courses offered by other departments:  
NA
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

	Sanctioned	Filled
Associate Professors	05	01
Asst. Professors	01	01*
Adhoc	---	01

\* This post filled during April 2012 to September 2013 then became vacant as the teacher left this institute as she joined as full time permanent assistant teacher post at other Government science college.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided
Kalpesh B. Anjaria	M. Sc. Ph. D.	Associate professor	Angiosperm taxonomy	21	Nil
Deepika K. Chandawat	M. Sc. Ph. D.	Assistant Professor	Plant Ecology	01	Nil
Janki M. Trivedi	M. Sc.	Adhoc	Microbiology	01	Nil

11. List of senior visiting faculty:  
D. K. Vaghela (Ahmedabad), F. J. Thakor (Nadiad)
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 46% (18 lectures out of 39 total as per 2014-15 work load)
13. Student -Teacher Ratio (programme wise):  
109:01 (sem2-143+sem4-75: as per 2014-15 batches)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:  
Laboratory assistant: 01 (filled)  
Plant collector: 01(filled)  
Lab Hamal: 01(filled)
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:  
Two faculties are with 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:  
Minor Research Project (2013-15) funded by UGC. Grant received Rs. 1,55,000/-
18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty:

- Number of papers published in peer reviewed journals (national /international) by faculty and students: 05-Dr. K.B. Anjaria
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) Nil
- Monographs : Nil
- Chapter in Books : 01 (K. B. Anjaria)
- Books Edited : 01 (K. B. Anjaria-Proceeding volume of National conference)
- Books with ISBN/ISSN numbers with details of publishers:  
05 {04 (D. K. Chandwat) + 01(K. B. Anjaria)} (details given at the end of the profile as table).
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact factor : (See Annexure 3-A)
- h-index : (See Annexure 3-A)

20. Areas of consultancy and income generated: Nil

21. Faculty as members in :

- a) National committees, b) International Committees c) Editorial Boards....  
Nil

22. Student projects: Nil

- a) Percentage of students who have done in-house projects including inter departmental/programme: Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists / visitors to the department:

Prof. M. K. Janarthanam, Goa University, Dr. K. V. Gururaja, Indian Institute of Science, Bangaluru, Dr. S. Karthikeyan, (retd) ex Director, BSI, Pune, Dr. Kauresh D. Vachhrajani, The M. S. University, Vadodara Dr. A. S. Reddy, Dept of Biosciences, S P. University; Prof. J. S. S Mohan, Dept of Biosciences, S P. University; Prof. Yogesh T. Jasrai, Head, Dept of Botany, Gujarat University; Dr. Mahesh J. Kothari, Taxonomist- scientist, BSI, Pune, Dr. P. C. Mankodi Dept of Zoology, The M. S. University; Dr. B. L. Punjani, Head, Dept of Botany, Science college, Talod, North Gujarat University; Dr. I. R. Gadhvi Head, Dept of Marine science, Bhavnagar University; Prin. Dr. A. M. Patel, Dept of Botany, J and J Science college, Gujarat University; Dr. Bhavesh Patel, Dept of Biology, Science college, Indore.

25. Seminars/ Conferences/Workshops organized & the source of funding:

a) National, b) International

On 27<sup>th</sup> September, 2008 the department of Biology has organized UGC sponsored one day National Conference on “Taxonomy Teaching and Research: The Relevance in the National Context”. More than 66 research papers were presented in the conference.

26. Student profile programme B.Sc. /course BOTANY

Academic year	Name of the course/Program	Application received	selected	Enrolled		Pass %
				M	F	
2007-08	F. Y. B. Sc.	29	29	12	17	100
	S. Y. B. Sc.	30	30	8	22	100
2008-09	F. Y. B. Sc.	32	32	12	20	100
	S. Y. B. Sc.	13	13	03	10	100
2009-10	F. Y. B. Sc.	103	103	40	63	86
	S. Y. B. Sc.	18	18	4	14	100
2010-11	F. Y. B. Sc.	48	48	24	24	89
	S. Y. B. Sc.	31	31	06	25	100
2011-12	B. Sc. SEM 1	50	50	30	20	73
	B. Sc. SEM 2	46	46	28	18	91
	S. Y. B. Sc.	30	30	17	13	96



2012-13	B. Sc. SEM 1	83	83	34	49	78
	B. Sc. SEM 2	65	65	30	39	89
	B. Sc. SEM 3	21	21	04	17	62
	B. Sc. SEM 4	21	21	04	17	90
2013-14	B. Sc. SEM 1	171	171	102	69	61.6
	B. Sc. SEM 2	114	114	67	49	68.4
	B. Sc. SEM 3	43	43	09	34	85
	B. Sc. SEM 4	42	42	09	33	62
2014-15	B. Sc. SEM 1	143	143	70	73	52
	B. Sc. SEM 2	143	143	70	73	57
	B. Sc. SEM 3	77	77	39	38	61
	B. Sc. SEM 4	75	75	38	37	84

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.	100%	NIL	NIL
B.A.	100%	NIL	NIL

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : Not Applicable

## 29. Student progression

Student progression	Against % enrolled
UG to PG	Not applicable
PG to M.Phil.	Not applicable
PG to Ph.D.	Not applicable
Ph.D. to Post-Doctoral	Not applicable
Employed • Campus selection • Other than campus recruitment	Not applicable
Entrepreneurship/Self-employment	Not applicable

30. Details of Infrastructural facilities
  - a) Library: No separate departmental library, but Central library facility available
  - b) Internet facilities for Staff & Students: One desktop computer available for staff of biology department and for students. One laptop is available as workstation for practical with internet facility.
  - c) Class rooms with ICT facility: Yes.
  - d) Laboratories: Biology department has one laboratory for botany students with capacity of 30 students at a time.
31. Number of students receiving financial assistance from college, university, Government or other agencies: As per the college data
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Special lectures were arranged for Sem-1 and 2 students.
33. Teaching methods adopted to improve student learning:
  - a) Power point presentation, along with routine black board teaching.
  - b) Using Models/Charts/Preserved and fresh Specimens.
  - c) Practical conducted as per the syllabus.
  - d) Botanical excursion for field experience.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
  1. Actively participating in various college level committees and various college events.
  2. Extending help as a resource person to the Forest department for their various eco-club activities of schools, giving expert lecture as invited speaker to the nature education camps etc.
  3. Committee Member in Institutional Animal Ethical Committee (IAEC) of Degree Pharmacy College, Dharmaj Dist Anand.
  4. Extending help to WWF and the local NGO for its various environmental awareness programmes.

5. Our biology museum is open for school students. We extend our valuable guidance during their visit.

35. SWOC analysis of the department and Future plans

Strengths:

1. Excellent collection of museum specimens including plants and animals.
2. Extraordinary collections of human organs.
3. Good quality microscopes for students.
4. ICT enabled teaching.
5. Laboratory has computer workstations with scanner and printer facility along with internet facility.
6. Innovative teaching is possible through Charts, models, available with the department.
7. Hard working, caring, dedicated and experienced teaching faculty and administrative staff of the biology department.
8. Every year good academic record by student in the subject. The average subject result of the biology department is 90%.
9. The students are taken to botanical excursion for better understanding and practical approach for the Botany subject.

Weakneesses:

1. The laboratory roofing need refurnish.
2. Department does not have separate office.
3. Only one laboratory available for the practical purpose. This provides limited space for only 30 students at a time to perform the practical work.
4. No enough space to keep good and important museum collections.
5. Botany subject is not offered as Principal subject. As per the present academic structure the Botany subject is offered only up to IV<sup>th</sup> semester.
6. Cattle grazing are common problem even every year plantation drive within campus is carried out.

### Opportunities :

1. Learning subject gives an opportunity to develop career in diverse fields of biology either in Job or research.
2. Learning biology creates deep sense about 'Nature' and make them as 'environmentally aware citizen of India'.
3. Expansion and care of museum specimens.
4. Large wilder areas can be developed as Green corridor.

### Challenges:

1. Vacant teaching post since 2005 (excluding April 2012 to September 2013) need to be filled up. Thus teacher-student ratio is not maintained.
2. Student's progression in Botany subject is ceased. As this important biodiversity subject is offered only up to IV semester and they can't get degree in this subject.
3. There is no extra laboratory for the department thus research progression is severely affected.
4. As majority of the students are from rural and poor background, thus majority of them are not able to join for botanical study tours.
5. Development of Botanical garden. Maintenance and expansion of museum.

### Future Plans:

1. Expansion of Biology Musium and development of Botanical garden.
2. To offer Botany subject as a core course.

## **Post Accreditation Initiatives**

## 5. Post-accreditation Initiatives

The College was assessed and accredited by the NAAC in the year 2007. The process of accreditation helps the educational institutions in all-round development in terms of quality education, infrastructural development, augmentation of research culture among faculty members and strengthening the supportive services like N.S.S., N.C.C., sports. On the basis of peer team recommendations the significant Quality sustenance and Enhancement measures undertaken as regards to students, teaching faculties, Governance & Leadership are narrated as follow:

### Criterion-1: Curricular Aspects

- ⇒ The goals and objectives of the College are well defined and clearly communicated to stakeholders through prospectus, website and social media.
- ⇒ CBCS and semester system introduced from the year 2011. A wide variety of elective, soft skill and foundation courses are offered along with core courses.
- ⇒ A distinct difference in PG course subjects observed by peer team was rectified by obtaining permission from Gujarat University of entire Sociology subject.
- ⇒ The six Career Oriented Courses were successfully conducted during year 2007 to 2012.
- ⇒ Apart from regular courses, a variety of Certificate, diploma, bachelors and Master courses are successfully conducted in study centre of Dr. Babasaheb Ambedkar Open University.
- ⇒ Additional skill oriented programs are conducted in SCOPE (**Society for Creation of Opportunity through Proficiency in English**) centre with computers and English language software.
- ⇒ The changing fabric of industry and advances in technology requires added skill sets from potential employees. To bridge industry and institute, Industry Interface Cell (IIC) is established. Universal Development of Integrated employability Skills through Higher education Agencies (UDISHA) is a new avenue for students' career building and counselling.

### Criterion-2: Teaching-Learning and Evaluation

- ⇒ The admission procedure is transparent and effective counselling helps students for subject selection. The College is planning online admission process for the next year.
- ⇒ After the commencement of the new academic term, remedial coaching classes are conducted for educationally and socially disadvantaged students.
- ⇒ The teaching learning ambience is constantly enhanced to meet the incremental growth of the students. The classrooms are upgraded by installing multimedia projectors and internet connectivity. The teachers are actively participating by delivering their subject lectures as live telecast from BISAG, through 'EDUSAT' technology under '*Sandhan*' series.
- ⇒ The faculty participation in seminars, conferences and workshops is boosted. 8 faculty members are holding Ph.D. degree and 5 faculty members registered for Ph.D.
- ⇒ The thrust of the institute to empower the faculty witnessed a steep rise in organizing seminars, workshops and conferences in various subjects by the College during last five years.
- ⇒ The admission trend in UG Arts faculty is constantly maintained, while in UG Science and PG Arts the student enrolment is found rising.
- ⇒ The faculty training programs are jointly organized with KCG and Government of Gujarat.
- ⇒ The College library is upgraded with SOUL software and also a member of INFLIBNET to assist faculty members in learning and reading resources.
- ⇒ Some of the Science departments have introduced laboratory practical record books and journals in printed form. The question bank facility is also offered to the students.
- ⇒ The evaluation at College and University level examinations is strictly followed as per the CBCS ordinance and regulations by Gujarat University. Transparency and security is ensured in the evaluation process.

### Criterion-3: Research, Consultancy and Extension

The proactive research policy of the College seeks to build global resilience by promoting individual and institutional research. All the research initiatives are streamlined through research committee.

- ⇒ Two faculty members from Physics and Chemistry departments are recognized Ph. D. guides.
- ⇒ Four minor research projects funded by UGC and GUJCOST are completed and three are ongoing. More than Rs. 6 lacs is received by the funding agencies.
- ⇒ The College has conducted 26 seminars, workshops, conferences and training programs since last seven years.
- ⇒ The College has invited more than 25 eminent professors and scientists to deliver expert lectures in seminars, workshops and conferences.
- ⇒ Department of Chemistry carried out soil testing project initiated and funded by Government of Gujarat with the active participation of UG science students. 16,683 soil samples were analyzed and more than 14 lacs of funding was provided by the state government.
- ⇒ The UGC has provided more than Rs. 40 lacs for equipments, ICT infrastructure, library resources and seminar/conferences during 2010 to 2013.
- ⇒ The students of B.Sc. Sem-V and VI of Physics department are offered research project as an elective course.
- ⇒ An interdisciplinary project of Physio-chemical water analysis was carried out by Departments of Chemistry and Microbiology. The departments of Economics and Sociology conducted eco-socio surveys and published the reports with financial support of the institute.
- ⇒ The research laboratory facilities are shared with CHARUSAT University, Changa, Saurashtra University and SICART, Vallabh Vidyanagar outside the College campus.
- ⇒ There are 66 research papers are published in reputed peer reviewed journals by our faculty members and 17 books are published during 2007 to 2014.



- ⇒ A number of social and extension activities were carried out effectively by our N.S.S., N.C.C. and saptdhara activities having essence of academic, social, cultural and ethical dimensions.
- ⇒ The College has constructive relationship with NGOs, industries, alumni, government departments and educational institutes, which enable us to organize multi dimensional programs and activities.

#### **Criterion-4: Infrastructure and Learning Resources**

- ⇒ The College firmly believes that the right infrastructure is essential for holistic developments of the ward. The infrastructure and learning resources witnessed a substantial increase in the post accreditation phase.
- ⇒ Well furnished IQAC room equipped with computers, printer, UPS, wi-fi facility and air conditioner.
- Establishment of Digital Education and Learning Laboratory (DELL) with 25 computers and internet facilities. BULATS software is installed in DELL for SCOPE online exam.
- ⇒ Upgradation of laboratory equipments.
- ⇒ 4-station Multi-gym facility added for the students.
- ⇒ The College library is furnished with computers, internet, INFLIBNET facility and SOUL software.
- ⇒ UGC-NRC (Network Resource Center) has been established in the library.
- ⇒ Administrative office is using TECHSIS software for admission procedure, fees collection, and for generation of various types of reports.
- ⇒ The total number of computers with internet facility is increased to 84.
- ⇒ Botanical garden for the study of plants.
- ⇒ Pure drinking water R.O. plant with cooler is installed.
- ⇒ All the departments have computers, printer and internet facilities with networking.
- ⇒ Most of the class rooms are well furnished with internet connection and multimedia projector.
- ⇒ More than Rs. 7 lacs were spent for upgradation, deployment and maintenance of IT infrastructure from 2008 to 2013.

### **Criterion-5: Student Support and Progression**

- ⇒ Young people need to be nurtured with continuous psycho-social support. True excellence is possible only with adequate focus on emotional and inspirational need of the students. The College has a conducive support system for the grooming of our future leaders.
- ⇒ Remedial coaching classes for slow learners and special category students.
- ⇒ The government scholarship is provided to the SC, ST, OBC and minority community students. Just about 40% of the College students have received Rs. 20 lacs scholarship amount in the year 2013-14.
- ⇒ For better health care yearly health check up and Thalassemia check are carried out. The students are offered Krupa health insurance cards to avail free treatment worth of Rs. 5000.
- ⇒ English improvement classes and SCOPE examination are regularly conducted.
- ⇒ Free basic computer and advance learning is offered to all the students.
- ⇒ The students participate in industrial visit programs conducted by Industry Interface Cell (IIC).
- ⇒ In summer vacation special hands on training for beauty parlour, best from waste, sewing, skating, mehendi, computer based accounting and DTP learning programs are conducted.
- ⇒ The students are supported by their mentors.
- ⇒ The Career and placement Cell actively carry out experts' lectures, seminars, training programs and campus interviews throughout the year.
- ⇒ "Grievance Redressal and Anti-ragging Cell" and "Collegiate Women's Development Cell" are regulatory bodies to assist students.
- ⇒ There is huge increase in student participation in extracurricular, sports and extension activities. In sports the students have received many medals and prizes at zonal, state and national championships.
- ⇒ A separate website for alumni registration is available.

### **Criterion-6: Governance, Leadership and Management**

- ⇒ The zeal of the management through its well formulated system of governance has spearheaded the College to make significant progress in the realm of higher education.
- ⇒ The internal quality assurance was strengthened by formulating IQAC of the College to develop, deploy and review policies.
- ⇒ Formulation of various committees for academic and all-round activities with active participation of faculty members results in vibrating College campus.
- ⇒ Recruitment of ad hoc staff by the management for smooth functioning of the College.
- ⇒ The administrative office and library are fully functioning with computerized automation.
- ⇒ The non teaching staff members are well trained to use computers and necessary software applications.
- ⇒ Budgetary provisions related to academic, curricular and co-curricular activities, library and e-resources, infrastructure maintenance and augmentation of laboratories and IT infrastructure are incrementally enhanced.

### **Criterion-7: Innovations and Best Practices**

- ⇒ To minimize electrical consumption, CFLs are installed in the campus at several places.
- ⇒ The College campus is maintained green with regular monitoring and guidance of Botany department.
- ⇒ Promoting energy conservation among students and faculties.
- ⇒ Proper disposal of waste water, e-waste and hazardous waste.
- ⇒ The College classrooms and campus are under CCTV surveillance.
- ⇒ Pure drinking R.O. water plant with cooler for the students and staff.
- ⇒ As a part of academic innovations a wide variety of elective and soft skill subjects are introduced.

- ⇒ The College has encouraged research activities among the students and faculties. Also the students are involved in Soil Health Project to become a part of Gujarat Government innovative project.



## SHRI R. K. PARIKH ARTS AND SCIENCE COLLEGE

(Accredited by NAAC : 'B' grade)  
Managed by Petlad Education Trust  
(Trust Reg. No. E/648 Anand)

Phone : +91-2697-252396  
Fax : +91-2697-252396  
Email : petladartsandscience@gmail.com

Post Box No. 23  
PETLAD - 388 450  
Dist. Anand, Gujarat  
Website : www. Petladcollege.org

Ref. No.

Date :     /     /20

### Certificate of Compliance

(Affiliated College)

This is to certify that Shri R. K. Parikh Arts and Science College fulfils all norms

1. Stipulated by the affiliating University and/or
2. The affiliation and recognition is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

**Date:**

**Principal**

**Place: PETLAD**

(Dr. Vimal S. Joshi)

**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

IQAC is established in our College as a post accreditation quality sustenance measures. The members of IQAC are as follows;

<b>1</b>	<b>Prin. Dr. V. S. Joshi</b>	<b>Principal</b>
<b>2</b>	Mr. K. R. Trivedi	Co-ordinator
<b>3</b>	Dr. K. B. Anjaria	Member
<b>4</b>	Mr. A. V. Pandya	Member
<b>5</b>	Dr. U. H. Vyas	Member
<b>6</b>	Mr. B. D. Joshi	Member
<b>7</b>	Dr. G. D. Chaudhari	Member
<b>8</b>	Mr. V. R. Bhavsar	Administrative Staff
<b>9</b>	Shri Harenbhai Shah	Managing Trustee
<b>10</b>	Dr. Rajesh K. Trivedi	Community Representative
<b>11</b>	Mr. Milan B. Patel	Industrialist
<b>12</b>	Shri Kamlesh Patel	President, Alumni Association
<b>13</b>	Miss Rinku Chauhan	BA Sem-5
<b>14</b>	Jay Soni	BA Sem-5

## **Annexures**



## Annexure-A

## ગુજરાત યુનિવર્સિટી

## ગુજરાત યુનિવર્સિટી

નં. ચેકેડેમિક-૨૧-૧૯૬૧  
ગુજરાત યુનિવર્સિટી કાયદા  
સેમિનાર-૬ તા. - ૭-૬૧

બેડાણ મેનેજર બહેરનામું ક્રમાંક ૧૦૧૬૧

ગુજરાત યુનિવર્સિટી દ્વારાની કલમ ૩૩ ની પેટા કલમ ૭ અ-વથે મેન્ટરશિપ કાઉન્સિલ વતી કુલપતિશ્રીને : ૧: આર. કે. પરીખ સાહેબને-૩ કોમર્સ કોલેજ, પેટલાદનું વિભાગી કરણ કરી કોમર્સની અવજ કોલેજ કરવા તથા આર. કે. પરીખ સાહેબ કોલેજ સાથે આર. કે. પરીખ સાથ-૩ કોલેજ, પેટલાદનું સંયોગી કરણ કરવા અને : ૨: અવજ થતી કોમર્સ કોલેજને પેટલાદ કોમર્સ કોલેજ તરીકે સ્વતંત્ર કોલેજ ગણી બેડાણ આપવું. આથી સંયોગી કરણ તથા વિભાગી કરણની થયેલી નોંધે પ્રમાણેના બંને કોલેજને તેના નામ સામે જણાવેલ અભ્યાસક્રમો સંબંધિત માટે તથા તેમના નામ સામે જણાવેલ મુદત માટે બેડાણ આપવામાં આવે છે.

કોલેજનું નામ	અભ્યાસક્રમ	મુદત
૧ આર. કે. પરીખ સાહેબ મે-૩ સાથ-૩ કોલેજ પેટલાદ.	બી. એ. : પ્રિન્સિપલ : માં મેન્ટર ગુજરાતી : મેન્ટર : સામાજિક શાસ્ત્ર તથા બી. એ. : ગૌણ : માં સંસ્કૃત અને માનસશાસ્ત્ર તથા બી. એસસી. : સ્પે : માં કેમેસ્ટ્રી અને કી જી કસતથા બી. એસસી. : ગૌણ : માં વનસ્પતિશાસ્ત્ર, પ્રાણીશાસ્ત્ર અને ગણિતશાસ્ત્ર	કાયમી

૨. પેટલાદ કોમર્સ કોલેજ પેટલાદ.	બી. કોમ. માં એડવાન્સ મેકા. એ-૩ એડા ટેન્ગ તથા બી. કોમ. : ગૌણ : .. માં કો-ઓપરેશન અને બી. કોમ. : ગૌણ : માં .. તા. ૧૪-૬-૬૧ માં કોમ. શાસ્ત્ર	કાયમી કાયમી ગુનો.
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પ્રતિ :

૧ કુલ પાદર રવાના :

૧ સામાજિક આર. કે. પરીખ સાહેબ મે-૩ સાથ-૩ કોલેજ, પેટલાદ

૨ : સામાજિક પેટલાદ કોમર્સ કોલેજ, પેટલાદ ના માટે.

૩ યુનિ, પ્રા-ટલ કમિશન યુનિટ, સામાજિક વિભાગ ગુજ. યુનિ.

૪ : સચિવશ્રી, શિક્ષણ અને મજૂર વિભાગ, ગુજરાત રાજ્ય, સચિવાલય  
ગાંધીનગર ના માટે



Annexure-B

UNIVERSITY GRANTS COMMISSION  
BAHADUR SHAH ZAFAR MARG  
NEW DELHI.

No.F.8-30/95(CPP-I)

November, 1996

The Registrar,  
Gujrat University,  
Ahmedabad-380009.

15 NOV 1996

Sub: List of Colleges prepared under Section-2(f) of  
the UGC Act, 1956-Inclusion of New Colleges.  
\*\*\*\*\*

Sir,

I am directed to refer to the college letter No.430/96-97  
dated 3.10.96 on the above subject and to say that the name  
of the following college has been included in the above list  
under Non-Government college teaching upto Bachelor's Degree:-

<u>Name of the College</u>	<u>Year of Estt.</u>	<u>Remarks</u>
Shri R.K. Parikh Arts and Science College, Patlad, Dist. Kaira, Pin-388450.	1992	The College is eligible to receive central assistance in terms of the rules framed under Section- 12-B of the UGC Act, 1956.

(Dr. V.A. Pandya)

The Indemnity Bond and other documents in respect of the  
above college have been accepted by the Commission.

Yours faithfully,

*(D.D. MEHTA)*  
( D.D. MEHTA )  
SECTION OFFICER

*21-11-96*  
Copy forwarded to:-

1. The Principal, Shri R.K. Parikh Arts and Science College,  
Patlad, Dist. Kaira, Pin-388450.
2. The Secretary, Government of India, Ministry of Human  
Resource Development, Department of Education,  
T-14 Section, New Delhi.
3. Joint Secretary, UGC Regional Office, Industrial  
Chemical Laboratory, Near Puna University Campus,  
Pune-411007.
4. All Officers/Sections in the UGC Office.
5. S.O., FI-III/CD-II Section, UGC, New Delhi.
6. Incharge Computer Cell, UGC, New Delhi.
7. Guard file.

*(D.D. MEHTA)*  
( D.D. MEHTA )  
SECTION OFFICER

**Annexure-C**



**राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद**  
विश्वविद्यालय अनुदान आयोग का स्वायत्त 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 R. K. Parikh Arts and Science College  
Pellad, Dist. Anand, affiliated to Gujarat University, Gujarat as*

*Accredited  
at the B level.*

Date : March 31, 2007



*h. arad*  
Director

- This certification is valid for a period of Five years with effect from March 31, 2007
- An institutional score (%) in the range of 55-60 denotes C grade, 60-65-C' grade, 65-70-C'' grade, 70-75- B grade, 75-80- B' grade, 80-85-B'' grade, 85-90- A grade, 90-95-A' grade, 95-100-A'' grade (upper limits exclusive)

March 31, 2007/028

**Annexure-D**

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 R. K. Parikh Arts and Science College

Place : Petlad, Dist. Anand, Gujarat

Criterion	Weightage ( $W_i$ )	Criterion Score ( $C_i$ )
I. Curricular Aspects	100	72
II. Teaching-Learning and Evaluation	400	281
III. Research, Consultancy and Extension	50	31
IV. Infrastructure and Learning Resources	150	120
V. Student Support and Progression	100	65
VI. Organization and Management	100	74
VII. Healthy Practices	100	65
Total	$\Sigma W_i = 1000$	$\Sigma C_i = 708$

$$\text{Institutional Score} = \frac{\Sigma C_i}{\Sigma W_i} \times 100 = \frac{708}{1000} \times 100 = 70.80$$

Date : March 31, 2007

*K. R. Parikh*  
Director

March 31, 2007/028

**Annexure-E**

**Draft report on Institutional Assessment and Accreditation  
of  
Shri R.K. Parikh Arts & Science College,  
Dantali Road, PETLAD – 388450, Dist. Anand, Gujarat.**

**Dates of the Visit  
22<sup>nd</sup> – 24<sup>th</sup> February 2007**

**National Assessment and Accreditation Council  
Bangalore.**



**Draft report on Institutional Assessment and Accreditation  
of  
Shri R.K. Parikh Arts & Science College,  
Dantali Road, PETLAD – 388450, Dist. Anand, Gujarat.**

**Section I : Introduction**

Shri R.K. Parikh Arts & Science College, Dantali Road, Petlad – 388450, Dist. Anand, Gujarat, was established on June 15, 1946 by the Petlad Education Trust. Initially, it was named as Petlad College by the Trust, established in 1944-45.

The College is located in rural surroundings, about one Km. from the Taluka town, Petlad. The College-campus has an area of 25 acres. It is a grant-in-aid College, recognized by the UGC under 2 (f) and 12 (B) on November 15, 1996. It is affiliated to the Gujarat University, Ahmedabad.

The College was started in 1946 with ten Departments – Gujarati, Economics, Sociology, Psychology, Sanskrit, Chemistry, Physics, Biology, Mathematics, and English. The Department of Computer Science was added during 1992, while the S.K. Department of Microbiology was started in 1996. At present there are in all 12 departments.

There are in all 886 students, out of whom 609 (374 Female and 235 Male) are at the under-graduate level, 254 (156 Female and 98 Male) at the post graduate level; and 23 (17 Female and 6 Male) in the self funded basic computer certificate course. All the students are from the state of Gujarat.

There are in all 23 full-time teachers, out of whom 20 are male and 03 female. Six of the male teachers hold Ph.D. Degree. Four teachers hold M.Phil. Degree, out of whom one is female. There are also 05 part-time Lecturers out of whom three hold M.Phil. Degree, and five Adhoc Lecturers (Management Appointees).

The College applied to the NAAC for assessment and accreditation during January 2007. The NAAC constituted the Peer Team for assessment

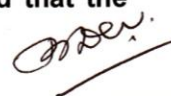
and accreditation with Professor Bhoomittra Dev, former Vice-Chancellor, Deen Dayal Upadhyay Gorakhpur University, Gorakhpur, Mahatma Jyotiba Phule Rohilkhand University, Bareilly, and Doctor Bhimrao Ambedkar University, Agra, U.P., as Chairman; Professor J.P. Pachauri, Professor and Head, Department of sociology, and Dean Faculty of Arts, H.N.B. Garhwal University, Srinagar, Garhwal – 246174, Uttarakhand, as Member – Co-Ordinator, and Dr. D.R. More, Principal, Shri Shahaji Chhatrapati Mahavidyalaya, Dasara Chowk, Kolhapur – 416008, Maharashtra, as Member. The Peer Team studied the Self Study Report submitted by the College; visited the College on February 22-24, 2007; interacted with the Principal, Board of Management, Teaching and Non-teaching Staff, Parents, Alumnae and Students, visited the Departments, various facilities, offices and support services; validated documents and prepared the Assessment Report, criterion wise as follows :

## **Section II**

### **Criterion I : Curricular Aspects**

The vision of the College is to offer knowledge – based, career oriented education in various disciplines and build better citizens for tomorrow. The goals and objectives of the Institution are well defined which are aimed to impart the best quality education and facilitate all-round development of the students of rural area of the region. The goals and objectives are made known to the various stake holders through the College – website, admission brochure and periodic announcements at different functions. The College has little scope to include Institution's goal and mission in the academic programmes as the curriculum is designed by the Gujarat University to which the institution is affiliated. However, efforts are being made by the Institution to translate its goals through the NSS and other activities.

It is a matter of satisfaction that two staff members (Sociology & Microbiology) are the members of the University Board of Studies in their respective subjects. These members put forth their points of view with regard to the formation of the courses of the studies. However, it is noted that the





academic programmes of the College have little flexibility due to the constraint stipulated by the affiliating system.

The College follows the annual examination system conducted by the University. However, two internal examinations of B.A./B.Sc. students are conducted by the College in the academic year and their marks are also included in their final results with proportionate weightage.

Shri. R.K. Parikh Arts and Science College, Petlad, was established in 1946 as under graduate College. At present, the College is affiliated to the Gujarat University, and provides education in Science and Arts streams at the undergraduate level; and post graduate in Gujarati, Sociology, Sanskrit, and Economics. The College has five Subjects in Science stream, i.e. Chemistry, Physics, Biology, Microbiology, and Maths and five subjects in Arts Stream, i.e. Gujarati, Economics, Sociology, Psychology and Sanskrit. English is compulsory for all the undergraduate students. Sanskrit is compulsory for the First Year B.A. students. Computer Science is optional for B.A. / B.Sc. Students. B.Sc. I and II students are also allowed to retain Computer Science as an additional subject. Minimum eligibility to take admission in I year B.A. / B.Sc. is XII passed. Every student seeking admission is having the opportunity to get admission as per their choice.

It has been observed that there is a distinct difference in so far as the academic content is concerned between the P.G. courses of the University and those at the College. At the University level, the P.G. students are pursuing one subject only in its entirety. In contrast to this, at the College level P.G. students of Gujarati have to take six papers in Gujarati with two papers of Sanskrit; in M.A. Sociology they have to complete four papers of Sociology with four papers of Economics; and for M.A. Economics four papers of Economics with two papers of Sociology.

The College is also going to start six Career Oriented Programmes also with the B.A. / B.Sc. courses with the help of UGC from the next session. Beauty Parlour (courses for female students), Spoken English and Mobile Repairing courses are also conducted by the College as vocational courses for the benefit of the students. The College also runs computer basic course for undergraduate students under the Self-financing Scheme.



The College allows their Science and Arts students to change their subjects. First year B.Sc. students are allowed to change their group. In second year B.Sc., students having Maths group in the First Year B.Sc. can keep Chemistry as well as Physics as principal subjects. As subsidiary subjects, they have option to select Physics, Chemistry and Mathematics. Similarly, Biology group students can opt for Microbiology and Chemistry as principal subjects. First Year B.A. students are also allowed to pursue other courses along with their regular course under distance mode education for which the College is having a study center of Dr. Babasaheb Ambedkar Open University. Although the College obtains feedback from the students through structured questionnaire, their feedback responses have not been transmitted to the University for consideration. At present, the College does not have any mechanism to obtain feedback from other stake holders.

## **Criterion II : Teaching, Learning and Evaluation**

The College admits students on the basis of their academic records. During 2004-05, 2005-06, 2006-07, no student was deprived from admission in this College. However, all the seats are not filled up. The College has not adopted any special strategy for disadvantaged community, women, physically challenged, economically weaker section of the society and sports personnel for their admission.

The College does not have any provision for assessing student's knowledge and skills before the commencement of the teaching programme. There is no provision to provide any bridge courses or remedial courses to the educationally disadvantaged students in the College.

The teaching and evaluation process in the College is governed by the rules and regulations of the Gujarat University to which it is affiliated. The College follows the annual system and academic calendar prepared by the University. However, the teachers keep their planner, in which every teacher has to prepare his whole year teaching plan at the start of the academic year. The teaching plan is scrutinized and reviewed every month at the departmental meetings.





Classroom teaching is mainly done by lecture method. Only science subjects are having O.H.P. and slide projector. The teachers of the Science departments use maps, models, charts, slides and transparencies to supplement their classroom teaching. Tutorials are also assigned to the Physics and Mathematics students.

Academic progress of the students is monitored by the College in a year by conducting two internal examinations.

Although the Departments do not have their own departmental libraries, the College has central library for their staff and students which remains open from 11.00 a.m. to 5.00 p.m.

The appointment of the teachers is made by the College as per the norms of the Gujarat University, Govt. of Gujarat and UGC guidelines. Part-time Temporary teachers are appointed by the management trust; and so far five teachers on Adhoc basis have been appointed by the management trust during the last years in place of retired teachers.

The teachers are encouraged to participate in the conferences, seminars and workshops so that they can keep pace with the recent developments in their subjects. In the last five years, seven teachers attended 18 National level and 9 International level seminars. The Principal of the College has worked as a resource person in this year. It is noteworthy that one of the faculty of the Department of Gujarati has been selected by the UGC to study folk culture of Mauritius under UGC teachers exchange programme. All the teachers are from the same state.

The College has 201 teaching days, including examination days, in a year out of 219 working days. The sanctioned posts in the College are 39, out of which 30 are full time and 09 are part-time teachers. At present, the College has 23 permanent teachers, 05 part-time and 05 teachers on Adhoc basis appointed by the management. Out of the total 33 teachers, 6 are Ph.D., 7 are M.Phil., while 20 are post graduates. Out of 33 teachers, 7 are female teachers. At present, there is no reservation for female in the appointment of teachers.

There are 23 non-teaching staff, including technical staff in which there is no female representation. Regular staff takes care of 85 percent of classes. The College has 14 classrooms and 12 rooms for departments.



The College has organized one day workshop on “Examination Reform in Higher Education” on 30<sup>th</sup> December 2006; and a one day seminar on “Harnessing Information Technology” on 20<sup>th</sup> January 2007, sponsored by the UGC.

The faculty of the College contributes significantly in the smooth functioning of the College through different committees.

The College follows the self appraisal approach in the form of the Annual Confidential Reports for evaluating the performance of teaching faculty. These self- appraisal performance reports are taken into consideration at the time of faculty promotions to higher grades.

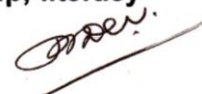
### **Criterion III : Research, Consultancy and Extension**

The College is not sensitized to the research climate. The College teachers are not recognized by the University for supervising Ph.D. Programmes even when some of them are qualified for guiding research work.

A few faculty members are providing consultancy services on an honorary basis. At present, one of the faculty members of the Department of Chemistry is having a minor research project of Rs. 45,000/- sponsored by the UGC. It is noteworthy that one of the faculty members paper of the Department of Biology was selected for the best research paper award presented in a conference which was published in “Medicinal Plant Systematic” in the year 2005.

In the last five years, the faculty members of the College have published eight research papers in referred journals, eleven books, one abstract; and one of the faculty has completed his Ph.D. Seven teachers have participated and presented their papers at the National Seminars & Three at the International Seminars.

Extension activities are conducted with the help of N.C.C. cadets and N.S.S. volunteers. There are 81 cadets in N.C.C. units. Out of 81 cadets, 26 cadets are female. 131 volunteers are enrolled for N.S.S. in which 68 are female volunteers. N.C.C. cadets and N.S.S. volunteers have been doing community service in the field of tree plantation, blood donation, veterinary camp, literacy





drive, local bus depot cleanliness and health checkup. These volunteers are also helping Rotary Club in their camps.

## **Criterion VI : Infrastructure and Learning Resources**

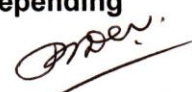
The College, with a campus spread on 25 acres of land, has a two storeyed building with 14 class rooms for holding classes, separate Laboratories, Store-Rooms for the Departments of Chemistry, Physics, Microbiology, and Biology; a Central Computer Department with 20 computers, Administrative Office, Principal's Chamber, Library Hall with a Reading Room of the capacity of 50-60 persons – students and staff, Museum – Cum – Office in the Department of Biology, General Staff Room and Ladies Room.

The College has a facility of the Central Hall that is used for indoor games as well as cultural activities. Separate offices for N.C.C. and N.S.S. are also given. Three class rooms and a vehicle stand have been built during the last five years. There is a maintenance committee which supervises its maintenance. The College has appointed a full-time Electrician and Gas Mechanic to look after electrical / electronic equipments.

The Library of the College has an Advisory Committee to supervise its functioning. It provides open access to teachers and students. It is partially computerized; and does not have any other facilities like that of Internet, Reprography etc. About Rs. 3,00,000/- have been spent on the purchase of books and journals during the last five years. It remains open the whole day except on Sundays and holidays. In order to motivate the students, prizes are kept for them who read maximum number of books.

The College has a central Computer facility with 20 computers. It creates awareness about the importance of computers. Its timings are from 11.00 a.m. to 5.00 p.m. A very nominal fee is charged and sometimes that too is waived for the needy students. The Department of Computer Science is assigned the task of its maintenance.

The Trust has constructed two separate hostels for boys and girls in which 34 rooms are for boys and 04 rooms are for girls with all facilities. No health care center and, no formal placement cell is there. However, depending



upon the needs of the students, arrangements for the same are made. The students are given guidance in career and employment by appointing a committee of teachers.

The College has a big ground of a dimension of 36,177 Sq. Mtrs. for outdoor games; and a Central Hall admeasuring 264.74 Sq.Mtrs. for indoor games. Students participate in games like Cricket, Boxing, Judo, Power-lifting and Volley-ball. Girl students are also encouraged to participate in intra and Inter-institutional sports competition.

The College does not have any Workshop or Instrumentation Centre.

### **Criterion V : Students Support and Progression**

The College publishes its annual prospectus which contains a brief history of the College and the courses it offers. It gives information about admission procedure, subject combinations, scholarships, cultural, sports and other facilities. It also highlights the mission of the College.

The College has not maintained records of student's is progression to higher studies. The College has initiated the process of employing a few students on part-time jobs on the College campus itself. In addition to the government scholarship and freeships, the College has instituted several cash prizes for the deserving students. The SC/ST students are given the scholarships and freeships sanctioned by the Govt. No Remedial Courses are given to them.

The Career Assistance Cell of the College offers assistance for career development of students and conducts several short-term job-oriented courses. Courses in Spoken English are offered to increase proficiency in English which is the need of the hour. For this, the College has appointed an honorary Placement Officer from its staff. The faculty participates in academic and personal counseling; and there is such a cell for women – the Collegiate Women's Development Cell (CWDC). It organizes lectures for the counseling of girls.

The College has very recently constituted the Alumni Association and held its first meeting on 24<sup>th</sup> December, 2006. However, it has rich alumni





which include Ministers, local MLAs, Industrialists, Vice-Chancellor, Principal etc. The College has a Grievance Redressal Cell that has redressed several grievances. The Grievance Redressal Cell also redresses the matters of sexual harassment of women. The College has some welfare schemes for students like Book-Bank facility, Fee Concession in Computer Courses etc. Differently abled students are encouraged to participate in all activities.

Incentives like preference in admission, appreciation by giving cash prizes, medals, certificates, T.A./D.A. uniforms, track suits and shorts are given to proficient players and a good number of students have played at the University level. The team of Boxing (boys) has been champion in the Gujarat University south zone level for the last consecutive eleven years, this in itself is a very great achievement of the College. Some of the students have participated in all India Inter University sports also.

Feedback from the students of the last year of degree is obtained by providing a questionnaire. Some of the students have participated in cultural activities like the Youth Festival of the University.

## **Criterion VI : Organization and Management**

The College is run by the Petlad Education Trust, established in 1944-45 by Sheth Shri Ramanlal Keshavlal Parikh, a visionary industrialist from Gujarat. The College is named after him. The management of the College is very dynamic. They give full freedom to the Principal of the College. The academic and administrative planning of the College is done by forming various committees with the Principal as its head. The Principal is enthusiastic and energetic.

In order to translate quality into its various administrative and academic units, the College is striving hard. Administrative office and the library are partially computerized. Computers, audio visual aids, charts, maps OHP, educational CDs have been provided to all science departments. The faculty is taken into confidence while taking decisions.

The Trustees of the Managing Committee are well educated. For smooth functioning and coordination between the trust and the College, a full-time



Trust Administrator has been given office in the College building. The Principal is however, organizing and executive head of the College. Frequent meetings of the management for the discussion about College functioning have been organized and almost all resolutions passed at the meetings are implemented. The administration is decentralized so as to run the College smoothly. The College has an effective internal coordination monitoring mechanism. Once a year the management meets the staff and discusses about various issues.

The College has its perspective planning in which the infrastructural development and P.G. courses in science are given priority. The College follows the academic calendar sent by the Gujarat University. They have, however, developed their own Teacher's Planner Method; and it is strictly followed. There are about twelve proposals initiated by the College regarding academic and infrastructural matters out of which four have been implemented in the last five years.

Appointment of the staff is made as per the rules and regulations of the Gujarat University, Govt. of Gujarat and as per the guidelines of the UGC. Need for staff recruitment is assessed by taking into consideration the workload of the College. No faculty has been appointed from other State. The ratio of teaching to non-teaching staff is 33:23

The College has the self performance appraisal method. Students' feedback is also obtained. After the analysis of the feedback from the final years students, performance of the teaching staff is evaluated. The appraisal of the non-teaching staff is monitored by the Principal. Recently, the Management is providing computer education for skill upgradation of the Non-teaching staff. The College conducts computer programmes and Active Server Page (ASP) for the staff members. The faculty is encouraged to use computers, Internet, audio-visual aids etc. by providing them whenever necessary.

Mobilization of funds is done through the fees decided by the University and Government. The College has started some Self-financing courses and generated an amount of about Rs. 40,000/-

The operating budget and the maintenance budget of the College is adequate to cover the day-to-day expenses. The College has internal as well as





external audit mechanism and the accounts have been audited regularly; and there are no major audit objections.

### **Criterion VII : Healthy Practices**

- It is creditable that the College has been serving the society by providing modern educational facilities to the students, especially the girls, coming from the rural areas.
- The students are liberally given computer training.
- It is also appreciable that access through Internet is provided for the students.
- A few students are given an opportunity to learn and earn.
- Training for self-entrepreneurship is praiseworthy, as evidenced by production and sale of fluid for toilet cleaning.
- The students hold prayer every day and are exposed to excellent writings of great personalities.
- Career oriented courses have been introduced.
- Some of the science departments e.g. Chemistry, Microbiology and Physics are running well.
- Publication of a research paper in an e-Journal is also noteworthy.
- The management has provided funds for the welfare of non-teaching employees.
- Introduction of “Best reader award” and “Best sewak award” is good.
- The Management also pays the salary of five Part-time teachers and six non-teaching staff.
- Starting of an N.C.C. wing for girls is a good decision.

### **Section III : Overall Analysis**

The Peer team acknowledges the sincere efforts made by the College in providing meaningful and quality education to the students, particularly to the girl students of rural area, inspite of its various constraints.



While commending the good teachers and worthy practice cited above, the Peer Team would like the College to consider the following areas of concern and suggestions for its general improvement :-

## CONCERNS

- There is a large number of unfilled teaching positions to the extent that the Department of Mathematics is being run by a Part-time teacher only.
- There is a large number of vacant seats unfilled by the students.
- Five Departments do not have III year students.
- High drop-out and failure rate of students is a cause of concern.
- It is interesting to note that two varieties of Post-graduate degrees are being awarded. While the students study only one subject at the University, the College – students are permitted by the university to offer more than one subject at the Masters level. College – students are handicapped due to this discrimination.
- Amount sanctioned by the UGC for the X plan has not yet been fully utilized.

## Suggestions

- The College may consider giving more attention to research.
- Although the College was started more than 60 years ago, post-graduate teaching is available in four subjects only. This needs immediate attention.
- Keeping in view that the girls are in a majority, a degree course in cosmetics, fine arts and dietetics may be considered.
- The College may also consider having a language lab; and upgrade communication – skills of the students.
- Out of 12 subjects being taught in the College, five do not provide teaching at the III year level. This needs special attention.






- The Library is being run by a competent person. However, there is an immediate need for accelerating modern knowledge flow.
- There is need for better and wider Internet access.
- The College may also consider encouraging innovative ideas on the campus, especially devising new methods to elucidate the most modern and difficult topics.
- There is an obvious need for providing massive greening cover and water – harvesting on the campus.
- The College may also consider providing minimal statutory wages to the temporary non-teaching employees.

The Peer team places on record its deep appreciation for the amount of cooperation and courtesy extended to it by the Management Trustee, Principal, Local Coordinator, Teachers, Non-teaching Staff and other sections of the office. The Team also wishes the College all success in its future endeavours.

Names and Signature of the Peer Team members.

Prof. Bhoomittra Dev

Chairperson

  
24.2.2007


Dr. D.R. More

Member

  
24/02/07

Prof. J.P. Pachauri

Member – Coordinator

  
24/2/07

I accept the Peer Team report



Place : Petlad (Anand)

Dr. Vimal S. Joshi

Date : 24<sup>th</sup> February, 2007

Principal



## Annexure-1-A (College Prospectus)

### Trustees of Petlad Education Trust:

- Shri. Vrajesh Kumar Amrutlal Parikh (President)
- Shri. Harsankumar Manoharlal Shah
- Shri. Indubhai Chaturbhaj Patel
- Shri. Devanagobhai Patel

**For More details & student counselling please contact...**

### Head of the Departments:

- Prof. K. R. Trivedi (Physics)
- Dr. R. T. Jaisagi (Chemistry)
- Prof. B. D. Joshi (Microbiology)
- Dr. K. B. Anjaria (Biology)
- Prof. S. D. Shukla (Mathematics)
- Prof. A. V. Pandya (English)
- Prof. K. R. Vankar (Gujarati)
- Prof. I. A. Shaikh (Sociology)
- Prof. S. S. Vyas (Economics)
- Prof. U. H. Vyas (Computer)
- Prof. M. B. Vaghela (Sanskrit)



- DEDICATED
- WELL-CONNECTED
- INNOVATIVE
- INSPIRATIONAL
- ENRICHING

### Glimpses of the College:

- Highly qualified and experienced faculties.
- All classrooms are equipped with multimedia projectors.
- All the departments, computer centre and central library have free internet access.
- Well equipped laboratories with sophisticated instruments.
- Campus store with Xerox facility.
- Seminars, workshops, tutorials, remedial coaching, project work for the students.
- Student mentoring to monitor & improve student's progress.
- Broad spectrum of elective, soft skill and foundation courses.
- N.C.C., N.S.S., Sports, Industry Interface Cell (IIC), Nature Club, Science Study Circle, Career Assistance Cell, Digital Education & Learning Lab (DELL) are our actively engaged extension and extracurricular and students' centric units.
- Book bank facility in library.
- CCTV surveillance within the campus.
- Hostel facility for boys and girls.
- 24 hours security for College premises including boy's and girl's hostel.
- Baba Saheb Ambedkar Open University (BAOU) study centre.
- R.O. purified cold drinking water.



## Prospectus

FOR Arts & Science Faculties

Petlad Education Trust Managed  
Est'd. 1946

**SHRI R. K. PARIKH  
ARTS AND SCIENCE  
COLLEGE, PETLAD.**



Affiliated to Gujarat University  
Accredited "B" Grade by NAAC



**Dr. V. S. Joshi**

**Principal**

Dantali Road,  
PETLAD – 388 450  
Dist. Anand, Gujarat  
Phone/Fax: 01697-252396  
Website: www.petladcollege.org

### Vision & Mission

#### Vision:

"To offer knowledge based, career oriented education in various disciplines and build better citizens for tomorrow".

#### Mission:

- To groom a student in areas of his/her career interest and impart necessary competence to make one successful in professional career.
- To develop a conducive and rich infrastructure with modern and adequate facilities for academic, co-curricular and overall development of students and staff
- To contribute to the development of the society with due focus on local economy.
- To bring continuous improvement in performance on basis of the feedback from all the stake holders (Students, Parents, Faculty, management, employers, concerned authorities).
- To build resource pool of alumni, ex-staff, donors and well wishers.

### Subjects Offered

#### SCIENCE FACULTY:

##### B.Sc. SEM-1,2,3,4:

**Core Course:** Physics, Chemistry, Microbiology, Botany, Mathematics.

**Elective Course:** Basic computer & its applications, Environmental Studies, Nanotechnology, Public health.

**Foundation Course:** English

##### B.Sc. SEM-5,6:

**Core Course:** Physics, Chemistry, Microbiology.

#### ARTS FACULTY:

##### B.A. SEM-1,2,3,4:

**Core Course:** Gujarati, Sociology, Economics.

**Elective Course: 1**  
Gujarati, Sociology, Economics, Psychology, Sanskrit, Computer.

**Elective Course: 2 (Only for B.A.Sem-1,2)**  
Psychology, Sanskrit, Physical Education.

**Foundation Course:** Bharatiya Sahitya, Environmental Science, Travel & Tourism, Basic Computer & Application.

**Compulsory Language:** English, Sanskrit  
**Soft Skill:** Indian Culture & Heritage, Environmental Science, e-communication, Structure of Indian Society.

##### B.A. SEM-5,6:

**Core Course:** Gujarati, Sociology, Economics

**Soft Skill:** Child Counselling, Journalism.

**Foundation Course:** Gandhian Philosophy, Fundamental rights & duties.

### Admission & Fee

#### Documents needed for Admission:

- Admission form.
- 12<sup>th</sup> Original Marksheet
- School leaving certificate (L.C.)
- Attempt Certificate
- Passport size photographs
- Attested photo copies of certificates

#### Fee Structure: (₹)

• B.Sc. Sem-1 : 2192	• B.Sc. Sem-2 : 1467
• B.Sc. Sem-3 : 1867	• B.Sc. Sem-4 : 1417
• B.Sc. Sem-5 : 1567	• B.Sc. Sem-6 : 1417
• B.A. Sem-1 : 1977	• B.A. Sem-2 : 1322
• B.A. Sem-3 : 1672	• B.A. Sem-4 : 1272
• B.A. Sem-5 : 1372	• B.A. Sem-6 : 1272
• M.A. Sem-1 : 2450	• M.A. Sem-2 : 1975
• M.A. Sem-3 : 2125	• M.A. Sem-4 : 1975

- Fees details are as per Gujarat University norms.
- Tuition fee is waived for girl students.
- Scholarships:
- State government scholarship for S.C., S.T., OBC, Physically handicapped and Minority.
- Shri Sacchidanand Bhaktiniketan Ashram Scholarship and Bhaktata Foundation Scholarship for Science students.

#### College Timings:

- 11:00 to 5:30

**Annexure-1-B****Course Structure (CBCS-Science Stream)****B.Sc. Semester-1**

Course	Subjects	Paper	Credits	Hours per week
Core Course	Physics, Chemistry, Microbiology, Botany, Mathematics	CC-101 (Theory)	4	4
		CC-102 (Practical)	3	4
Elective Course	Basic Computer & its Applications	EC-101 (Theory)	2	3
Foundation Course	English	FC-101 (Theory)	2	3

**B.Sc. Semester-2**

Course	Subjects	Paper	Credits	Hours per week
Core Course	Physics, Chemistry, Microbiology, Botany, Mathematics	CC-103 (Theory)	4	4
		CC-104 (Practical)	3	4
Elective Course	Environmental Studies	EC-102 (Theory)	2	3
Foundation Course	English	FC-102 (Theory)	2	3

**B.Sc. Semester-3**

Course	Subject	Paper	Credits	Hours per week
Core Course	Physics, Chemistry, Microbiology Botany, Mathematics	CC-201 (Theory)	4	4
		CC-202 (Theory)	4	4
		CC-203 (Practical)	2.5	4
Elective Course	Nano technology	EC-201 (Theory)	2	3
Foundation Course	English	FC-201 (Theory)	2	3

**B.Sc. Semester-4**

Course	Subject	Paper	Credits	Hours per week
Core Course	Physics, Chemistry, Microbiology, Botany, Mathematics	CC-204 (Theory)	4	4
		CC-205 (Theory)	4	4
		CC-206 (Practical)	2.5	4
Elective Course	Public Health	EC-202 (Theory)	2	3
Foundation Course	English	FC-202 (Theory)	2	3

**B.Sc. Semester-5**

Course	Subject	Paper	Credits	Hours per week
Core Course	Physics Chemistry Microbiology	CC-301 (Theory)	4	4
		CC-302 (Theory)	4	4
		CC-303 (Theory)	4	4
		CC-304 (Theory)	4	4
		CC-306 (Practical)	5	12
Subject Elective Course	Physics	CC-305 (Project)	2	3
	Chemistry	CC-305 Soil Composition & Analysis		
	Microbiology	CC-305		
Foundation Course	English	FC-301 (Theory)	2	3

**B.Sc. Semester-6**

Course	Subject	Paper	Credits	Hours per week
Core Course	Physics Chemistry Microbiology	CC-307 (Theory)	4	4
		CC-308 (Theory)	4	4
		CC-309 (Theory)	4	4
		CC-310 (Theory)	4	4
		CC-312 (Practical)	5	12
Subject Elective Course	Physics	CC-311 (Project)	2	3
	Chemistry	CC-311 Soil Composition & Analysis		
	Microbiology	CC-311		
Foundation Course	English	FC-302 (Theory)	2	3

**B.A. Semester-1**

Course	Subjects	Paper	Credits	Hours per week
Core Course	Gujarati, Sociology, Economics	CC-101	4	4
		CC-102	4	4
Elective Course-I	Gujarati, Sociology, Economics, Psychology, Sanskrit, Computer	SE-101	4	4
		SE-102	4	4
Elective Course-II	Psychology, Sanskrit, Physical Education	SE-101	2	2
Foundation Course	Bhartiya Sabhyata	FC-101	2	2
Compulsory Language	English	CC-Eng.-101	2	2
	Sanskrit	IND-101	2	2
Soft Skill	Indian Culture & Heritage	SS-101	2	2

**B.A. Semester-2**

Course	Subjects	Paper	Credits	Hours per week
Core Course	Gujarati, Sociology, Economics	CC-111	4	4
		CC-112	4	4
Elective Course-I	Gujarati, Sociology, Economics, Psychology, Sanskrit, Computer	SE_-111	4	4
		SE_1-112	4	4
Elective Course-II	Psychology, Sanskrit, Physical Education	SE_II-111	2	2
Foundation Course	Environmental Science	FC-111	2	2
Compulsory Language	English	CC-Eng.-111	2	2
	Sanskrit	IND-111	2	2
Soft Skill	Sports and Practices	SS-111	2	2

**B.A. Semester-3**

Course	Subjects	Paper	Credits	Hours per week
Core Course	Gujarati, Sociology, Economics	CC-201	4	4
		CC-202	4	4
		CC-203	4	4
Elective Course-I	Gujarati, Sociology, Economics, Psychology, Sanskrit, Computer	SE-201	4	4
		SE-202	4	4
Foundation Course	Travel & Tourism	FC-201	2	2
Compulsory Language	English	CC-Eng.-201	2	2
Soft Skill	E-communication	SS-201	2	2

**B.A. Semester-4**

Course	Subjects	Paper	Credits	Hours per week
Core Course	Gujarati, Sociology, Economics	CC-211	4	4
		CC-212	4	4
		CC-213	4	4
Elective Course-I	Gujarati, Sociology, Economics, Psychology, Sanskrit, Computer	SE-211	4	4
		SE-212	4	4
Foundation Course	Basic Computer Application	FC-211	2	2
Compulsory Language	English	CC-Eng.-211	2	2
Soft Skill	Structure of Indian Society	SS-211	2	2

**B.A. Semester-5**

Course	Subjects	Paper	Credits	Hours per week
Core Course	Gujarati, Sociology, Economics	CC-301	4	4
		CC-302	4	4
		CC-303	4	4
		CC-304	4	4
		CC-305	4	4
Foundation Course	Gandhian Philosophy	FC-301	2	2
Compulsory Language	English	CC-Eng.-301	2	2
Soft Skill	Child Counseling	SS-301	2	2

**B.A. Semester-6**

Course	Subjects	Paper	Credits	Hours per week
Core Course	Gujarati, Sociology, Economics	CC-311	4	4
		CC-312	4	4
		CC-313	4	4
		CC-314	4	4
		CC-315	4	4
Foundation Course	Fundamental Rights & Duties	FC-311	2	2
Compulsory Language	English	CC-Eng.-311	2	2
Soft Skill	Journalism	SS-311	2	2



**Annexure-3-A : Publication of Faculties**

Following is the list of faculty members who have written Book / article during the year 2007-08, 2008-09, 2009-10, 2010-11, 2011-12, 2012-13, 2013-14 and 2014-15.

Sr. No.	Name	Name of Book / Article	Publisher	Year of Publication
1	Dr. V. S. Joshi Principal	Solid State Physics and Applications	Raj Publishing House, Jaipur	2010
	“	Nanotechnology- An analysis	Raj Publishing House, Jaipur	2010
2	Ms. P. N. Dave (Dept. of Gujarati)	“Ananya”	Sri Navbharti Monthly Magazine, Dwarka.	November 2009
	“	“Importance of Cow (According to Veda)”	Sri Navbharti Monthly Magazine, Dwarka.	March 2010
		52,Parthvila(Novel )	Navsarjan Publication, Ahmedabad	2015
3	Mr. K. R. Vankar (Dept. of Gujarati)	“Ram-Dani” (Second Print)	Parshv Publication, Ahmedabad	2015
4	Dr. U. H. Vyas (Dept. of Computer Science)	Computer Pragna	Rushi Computer, Baroda	2008
	“	Introduction and fundamentals of computer Window-XP, HTML, Tally.	Akshar Publication, Ahmedabad.	2008
	“	Computer Upasana.	Upasana Computer, Devghadhbaria.	2008
	“	Computer Basic, Internet and HTML	Rushi Computers, Vadodara	July 2011
	“	Computer Application	Rushi Computers, Vadodara	July 2011
5	Dr. D. K. Chandawat (Dept. of Biology)	Aquatic Plant: <i>Hydrilla verticillata</i> L. and its Water Chemistry – Plant Water Relationship.	Lap Lambert Academic Publishing, Germany.	2012
	“	Water Quality Analysis of Historical Lake (Hamirsar) - Bhuj, Gujarat, India:	Lap Lambert Academic Publishing, Germany.	2012
	“	Status of Lakes in Eastern Ahmedabad.	Current Bioscience Association.	2012

	“	Phytoplankton: Population Dynamics in Fresh Water Lakes of Ahmedabad: Monitoring Lakes	Lap Lambert Academic Publishing, Germany.	2012
6	Dr. K. B. Anjaria (Dept. of Biology)	Leguminous Trees In Anand District: Collection and Analysis with Bioinformatics Applications.	Lap Lambert Academic Publishing, Germany.	2012
		Semester-III Botany Paper-I .	University Granth Nirman Board, Gandhinagar	2014
7	Dr. S. D. Shukla (Dept. of Mathematics)	Rough bearing lubricated with magnetic fluid.	Lap Lambert Academic Publishing	January 2015

Following is the list of faculty members who have published research papers in journals during the year 2007-08, 2008-09, 2009-10, 2010-11, 2011-12, 2012-13, 2013-14 and 2014-15.

**Dr. V. S. Joshi (Dept. of Physics)**

Sr. No.	Title	Journal	Status
1	<i>Aspergillus niger</i> assisted crystal growth of calcium tartrate : an alternative method to grow crystals	Cryst. Res. Technol., 15 (2008) / DOI 10.1002/crat.200800405	2008
2.	FT-IR, XRD and Thermal study of gel-growth barium tartrate crystal	Journal of Science, vol. 1, Issue-1, 2010	2010

**Dr. S. H. Chaki (Dept. of Physics)**

Sr. No.	Title	Journal	Status
1.	Growth and thermal studies of SnSe single crystals	Materials Letters 61(2007)5188-5190	2007
2.	Growth surface micro topographic and thermal studies of CuInS <sub>2</sub>	Journal of Crystal Growth 308(2007)176-179	2008
3.	Electrical properties & surface micro topographic studies of WS <sub>2</sub> single crystal grown	Synthesis and Reactivity in Inorganic, Metal	2008

	by CVT technique	organic and nano metal chemistry 38(2008)267-271	
4.	Thermal decomposition studies of CuInS <sub>2</sub>	Frontiers of Materials Science in China 2(3)2008	2008
5.	Pressure dependence electrical resistivity in DVT growth Molybdenum dichalcogenides	High Pressure Research	2008

**Dr. R. T. Jasrai (Dept. of Chemistry)**

Sr. No.	Title	Journal	Status
1	To study the effect of mgcl <sub>2</sub> on seedling growth and biochemical changes in medicago sativa var. Anand-2, gujarat	Bioscience Guardian, 2(1), 2012, pp. 113-115.	ISSN:2277-9493 International Journal
2	Study of physico-chemical characterization of irrigation tanks and fishponds of Gujarat by statistical analysis	International Journal Pelagia Research Library Advances in Applied Science Research, 2012, 3 (3):1418-1422	ISSN: 0976-8610 CODEN (USA): AASRFC
3	Comparison of Antioxidant Enzymes Activity of Spirogyra Sp. and Oscillatoria Sp. under Heavy Metal Stress	International Journal of Green and Herbal Chemistry December 2012 – February 2013; Vol.2, No.1, 1-4.	E-ISSN: 2278-3229 Global Impact Factor 0.356
4	Heavy metal accumulation in Oscillatoria sp. induced biochemical response	International Journal Pelagia Research Library Advances in Applied Science Research, 2013, 4(3):182-185	ISSN: 0976-8610 CODEN (USA): AASRFC
5	Removal of cadmium, chromium and lead from filamentous alga of Pithophora sp. of industrial wastewater	International Journal of Environmental Sciences Year : 2012, Volume : 3, Issue :1, PP.408-411	Online ISSN : 0976-4402. IJES IC VALUE 4.69
6	Bioremediation Potential of Spirogyra Sps & Oscillatoria Sps For Cadmium	Asian Journal of Biochemical and Pharmaceutical	ISSN: 2231-2560 CODEN (USA):AJBPD

		Research, Issue 2 (Vol. 2) 2012 Index copernicus value: 9.0	Global Impact factor: 0.456
7	The Corrosion and Inhibition of copper and tin-lead alloy in acidic conditions	Journal of The Indian Council of Chemists, Vol.29, No.1 &2, 2012, pp 16-19	ISSN:0971-5037 National Journal
8	Accumulation of Chromium by Spirogyra Sp. And its effect on its Biochemical Constituents	International Journal of Green and Herbal Chemistry Page no 374-381 Vol.1.No.3, 2012	ISSN 2278-3229
9.	Corrosion Inhibition of Zinc in Hydrochloric Acid by Vanillin, Phenyl Thiourea and N-Allyl Thiourea	sian J. Research Chem. 7(12 ): December, 2014, Page 1062 -1064	ISSN 0974 - 4169

**Dr. V. R. Patel (Dept. of Chemistry)**

Sr. No.	Title	Journal	Status
1.	Synthesis Characterization, Thermal, Catalytic And Antimicrobial Aspects Of Ln(III) Polymers Of Phenolic Resins	Indian Chemical Society, Kolkatta 593, 692	International Dec 2013
2.	Synthesis And Characterization Of An Acetophenone Derived Resin And Its Lanthanide (III) Polychelates	Indian Journal of Science, Volume 5, Number 14, ISSN 2319 - 7730 EISSN 2319 - 7749	International October 2013
3.	Application of La(III)-, Pr(III)-, Nd(III)- AND Sm(III)-polychelates as catalysts for biginelli reactions	Indian Journal of Science, Volume 6, Number 15, ISSN 2319 - 7730 E-ISSN 2319 - 7749	International November 2013
4.	Antimicrobial study of polymeric ligands derived from 2 4 dihydroxy phenone and their lanthanide polychelate.	Journal of physical and chemical science	International Jan2014
5.	Ion exchange study of lanthanide ions with five 2,4 dihydroxy acetophenone based polymeric ligands.	Journal of chemtech applications	International
6.	Analysis of Amoxicillin and Clavulanic Acid by	Journal Of Modern Drug Discovery	International February 6, 2015

	UPLC-MS/MS in Human Plasma for Pharmacokinetic Application	And Drug Delivery Research Volume 2 / Issue 3 ISSN: 2348 -3776	
7.	Application of Lanthanide Polychelates Derived from 2,4-dihydroxy acetophenone Based Resin as Green Catalyst for Biginelli Reactions	Journal Of Physical And Chemical Sciences Volume 2/Issue-3 ISSN: 2348 - 327X	International February 23, 2015

**Dr. J. A. Chaudhari (Dept. of Chemistry)**

Sr. No.	Title	Journal	Status
1	Novel Piperazinylo bisaryl Hydrazine s-Triazine Derivatives And Their Application As Epoxy Resin Curing Agents	International Journal of Polymeric Materials, USA.	International Aug-2009
2.	Bishydrazino-s-triazine derivatives and their microbicidal activity.	An Indian journal of Organic Chemistry, Rajkot	National Dec-2009
3.	Synthesis characterization and microbicidal activity of some novel s- triazine derivatives.	Acta Ciencia Indica, Meerut.	International 2010
4.	pH metric studies of Ferrous(II) complexes of substituted derivatives of Coumarin	Research Journal of Pharmaceutical, Biological and Chemical Sciences	International July-Sept-2010
5.	Novel Interacting Blends of unsaturated Polyester -s-Triazine and epoxy Resin	International Journal of Polymeric Materials, USA.	International Oct-2010 I.P 0.458
6.	Synthesis, characterization, Composites Fabrication and Antimicrobial Activity of Piperazinylobisaryl hydrazino-s-triazine derivatives	International Journal of ChemTech Research	International Oct-Dec-2010 I.P 0.537
7	Material applications of novel interacting blends having S-triazine containing unsaturated Polyesters and epoxy resin residues	International Journal of ChemTech Research April-June 2012	International ISSN : 0974-4290 <b>H Index: 13</b>

8	Novel s-triazine-epoxy resin curing system and their material applications.	Journal of Chemical Sciences, Biological Sciences and Physical Sciences. (An International Peer Review E-3 Journal of Sciences) May-July-2012	International e- ISSN: 2249 – 1929 Scientific journal impact Factor SJIF 2012: 3.406 <b>Global Impact Factor Year 2012 : 0.621</b>
9	Studies on Synthesis, Characterization and Antibacterial Activity of Novel Coordination Polymers	Journal of Chemical, Biological and Physical Sciences (An International Peer Review E-3 Journal of Sciences) Nov-2012 January 2013	International e- ISSN: 2249 – 1929 Scientific journal impact Factor SJIF 2012: 3.406 <b>Global Impact Factor Year 2012 : 0.621</b>
10	Physico-chemical assessment status of ground water of some villages of Petlad Tahsil.	Journal of Chemical and Pharmaceutical Research, 2012-2013	National ISSN : 0975-7384 <b>Global Impact Factor Year 2012 : 0.361</b>
11	Studies on co-ordination polymers of 5,5'-(6-(diphenyl amino)-1,3,5-triazine-2,4-diyl) bis(azanediyl) diquinolin-8-ol	Der Pharma Chemica 2012-2013	National ISSN: 0975-413X
12	Synthesis, characterization and antimicrobial activity studies of 5,5' -(6-(4-bromophenoxy)-1,3,5-triazine-2,4-diyl)bis(azanediyl) diquinolin-8-ol and their co-ordination polymers	Der Pharma Chemica 2013-14	National ISSN 0975-413X
13	Synthesis and Characterization of 5,5'-(6-phenoxy-1,3,5-triazine-2,4-diyl)bis(azanediyl)bis(2-hydroxy benzoic acid)and its metal complexes	International Journal of ChemTech Research April-June 2013	International ISSN : 0974-4290 <b>H Index : 9, SJR 0.30</b>
14	Synthesis and characterization of 5,5'-(6-(4-chlorophenoxy)-1,3,5-	Journal of Chemical, Biological and	International E- ISSN: 2249 – 1929 <b>Global</b>

	triazine-2,4-diyl) bis (azanediyl) diquinolin-8-ol and its co-ordination polymers	Physical Sciences (An International Peer Review E-3 Journal of Sciences), 2013	<b>Impact Factor Year 2013 : 0.723</b>
15	Studies on Co-Ordination Polymers of 5,5'-(6-(4-Methoxy Phenoxy)-1,3,5-Triazine-2,4-Diyl)Bis(Azanediyl) Diquinolin-8-OL	International Journal for Pharmaceutical Research Scholars (IJPRS) 2013	International ISSN No: 2277 - 7873
16	Synthesis, Characterization and antimicrobial activity studies of 5,5'-(6-(methyl (phenyl)amino)-1,3,5-triazine-2,4-diyl) bis (azanediyl) diquinolin-8-ol and their co-ordination polymers	International Journal of pharmaceutical, Chemical and biological sciences (IJPCBS), 2013	International ISSN: 2249-9504
17	Co-ordination Polymers Based on Bis-Ligand-Containing Triazine and 5-amino 8-hydroxyquinoline Moieties	Journnal Club for Applied Chemistry, 2013	National
18	Co-Ordination Polymers Based on Bis-Ligand Containing 4,6-Dichloro-N-Ethyl-N-Phenyl-1,3,5-Triazin-2-Amine and 5-Amino 8-Hydroxyquinoline Moieties	International Journal for Pharmaceutical Research Scholars (IJPRS) 2013	International ISSN No: 2277 - 7873
19	Studies on Co-Ordination Polymers of 5, 5'-(6-(4-Chlorophenoxy)-1, 3, 5-Triazine-2, 4-Diyl)Bis(Azanediyl) Bis(2-Hydroxybenzoic Acid)	Journal of Chemical, Sciences Biological and Physical Sciences (An International Peer Review E-3 Journal of Sciences) 2013	International E- ISSN: 2249 - 1929 <b>Global Impact Factor Year 2013 : 0.723</b>
20	Physico-Chemical Assessment Status of Ground Water of Some Villages of Kalol Tahsil	<b>International</b> Journal for Pharmaceutical Research Scholars (IJPRS)	ISSN No: 2277 – 7873
21	Studies on novel ion-exchange resin based on styrene-divinylbenzene	Scholars Research Library	ISSN 0975-508X

	copolymer and its application for effluent treatment	Archives of Applied Science Research, 2014, 6 (6):88-92 <u>An international peer reviewed journal of applied sciences</u>	
22	Studies of novel heterocyclic compounds	Scholars Research Library Der Pharma Chemica, 2014, 6(6):79-83, <u>An international peer reviewed journal</u>	ISSN 0975-413X
23	Synthesis, characterization and biological studies of some novel benzimidazole derivatives	Journal of Chemical and Pharmaceutical Research, 2014, 6(7):1890-1894 <u>An international peer reviewed journal of Chemical and Pharmaceutical Sciences</u>	ISSN : 0975-7384 <b>Global Impact Factor :0.467 in 2014</b>
24	Studies on 5,5'-(6-[4-bromo phenoxy]-1,3,5-triazine-2,4-diyl) bis (azanediyl) bis(2-hydroxy benzoic acid) as a ligand and its co-ordination polymers	<u>International Journal Of Pharmaceutical, Chemical And Biological Sciences</u> IJPCBS 2015, 5(1), 106-111	ISSN: 2249-9504
25	Ground water Quality Assessment for Some villages of Kalol Tahsil, Dist: Gandhinagar	International journal of advances in Pharmacy, biology and chemistry IJAPBC–vol. 4(2), apr-jun, 2015	ISSN: 2277-4688

**Dr. S. D. Shukla (Dept. of Mathematics)**

Sr. No.	Title	Journal	Status
1.	Performance of a magnetic fluid based exponential slider bearing and surface roughness effect	International journal of Engineering research and technology (International research publication house) [0.627]	vol. 4(5) Sept. 2011



2	Surface roughness effect on the performance of a magnetic fluid based hyperbolic slider bearing	International journal of engineering research and application (international organization for standardization)[1.002]	vol. 1(3) Sep. 2011
3	Surface roughness effect on the performance of a magnetic fluid based porous secant shaped slider bearing	Industrial engineering letters (international institute of science technology and education)[0.927]	vol. 1(2) Nov. 2011
4	Performance of a magnetic fluid based infinitely long rough porous journal bearing	International journal of emerging trends in engineering and development (R.S. publication)[0.29]	vol. 1(2) Jan. 2012
5	Performance of a magnetic fluid based exponential slider bearing and surface roughness effect	International journal of engineering research and technology (international research publication house) vol. 4 (5) Sept. 2011	<b>Impact Factor :</b> 0.627
6	Surface roughness effect on the performance of a magnetic fluid based hyperbolic slider bearing	International journal of engineering research and application (international organization for standardization)	<b>Impact Factor :</b> 1.002
7	Surface roughness effect on the performance of a magnetic fluid based porous secant shaped slider bearing	Industrial engineering letters (international institute of science technology and education)	<b>Impact Factor :</b> 0.927
8	Performance of a magnetic fluid based infinitely long rough porous journal bearing	International journal of emerging trends in engineering and development(R.S. publication) vol. 1(2) Jan. 2012	<b>Impact Factor :</b> 0.29
9	Rough tilted pad slider bearing lubricated with a magnetic fluid.	Asian journal of science and technology. November-2012 Vol.4, No.11, pp.34-39	ISSN:0976-3336 I.F.0.552

10	Effect of slip velocity on the magnetic fluid based lubrication of rough porous Rayleigh step bearing.	Journal of mechanical engineering and science Malaysia. June-2013 Vol.4 pp.532-547	e- ISSN:2231-8380 I.F : 0.561
11	Effect of slip velocity on the performance of a magnetic fluid based squeeze film in porous rough infinitely long parallel plates.	Friction and wear research. January 2014 Vol.2. No.1 pp.06-16	e- ISSN:2329-3357 I.F : 0.348

**Dr. K. B. Anjaria (Dept. of Biology)**

Sr. No.	Title	Journal	Status
1.	Bioinformatics Database of Some Leguminous Trees in Anand district of Gujarat state in India.	Scholars Journal of Agriculture and Veterinary Sciences (SJAVS); Vol 1, Issue 2, April 2014, Pages: 50-57. April 2014	National level
2.	Species Information Retrieval Tool: A Bioinformatics tool for Leguminosae family.	International Journal of Bioinformatics and Biological Science: Vol.1 no.2 Pages.187-194 June 2013.	International Level
3.	Distribution of Leguminosae family members in Gujarat State of India: Bioinformatics Approach.	International Journal of Computer Science and Management Research, Pages- 2184-2189 Vol 2 Issue 4 April 2013.	International Level I. F. 0.4
4.	Phylogenetic analysis of some leguminous trees using CLUSTALW2 Bioinformatics Tool.	Bioinformatics and Biomedicine Workshops (BIBMW, Page(s): 917- 921. October 2012	International Level H-Index-2
5.	DNA Sequence analysis by ORF FINDER & GENOMATIX Tool: Bioinformatics Analysis of some tree species of Leguminosae Family	Bioinformatics and Biomedicine Workshops (BIBMW, Page(s): 922- 926. October 2012	International Level H-Index-2

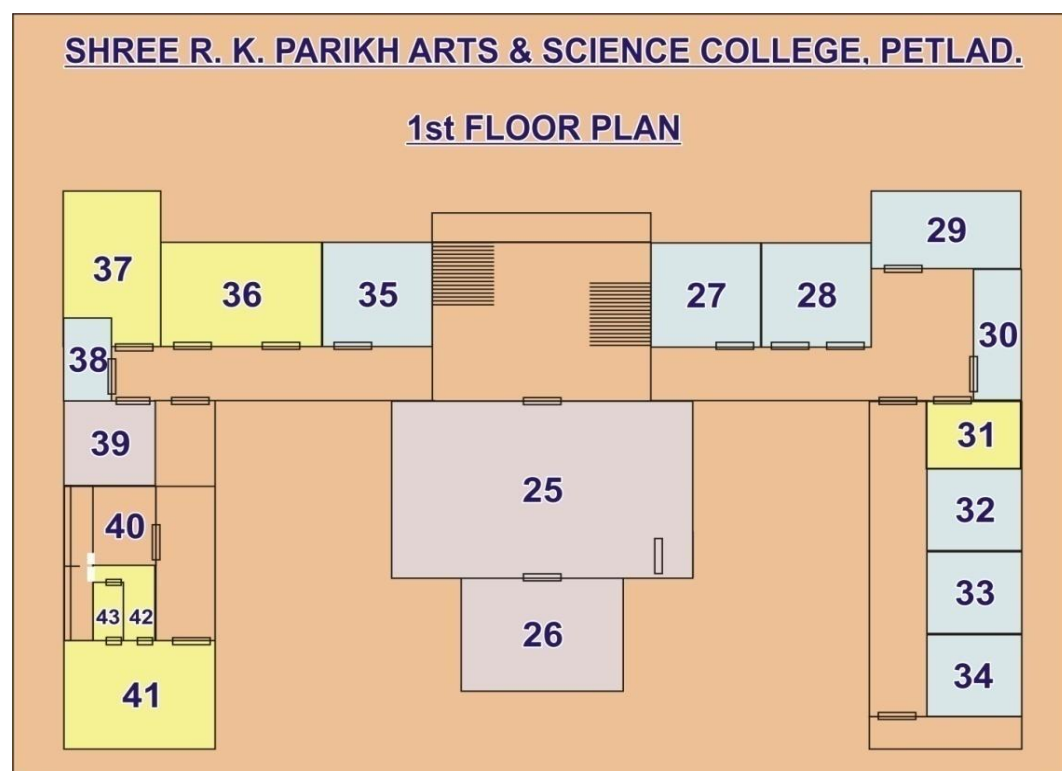
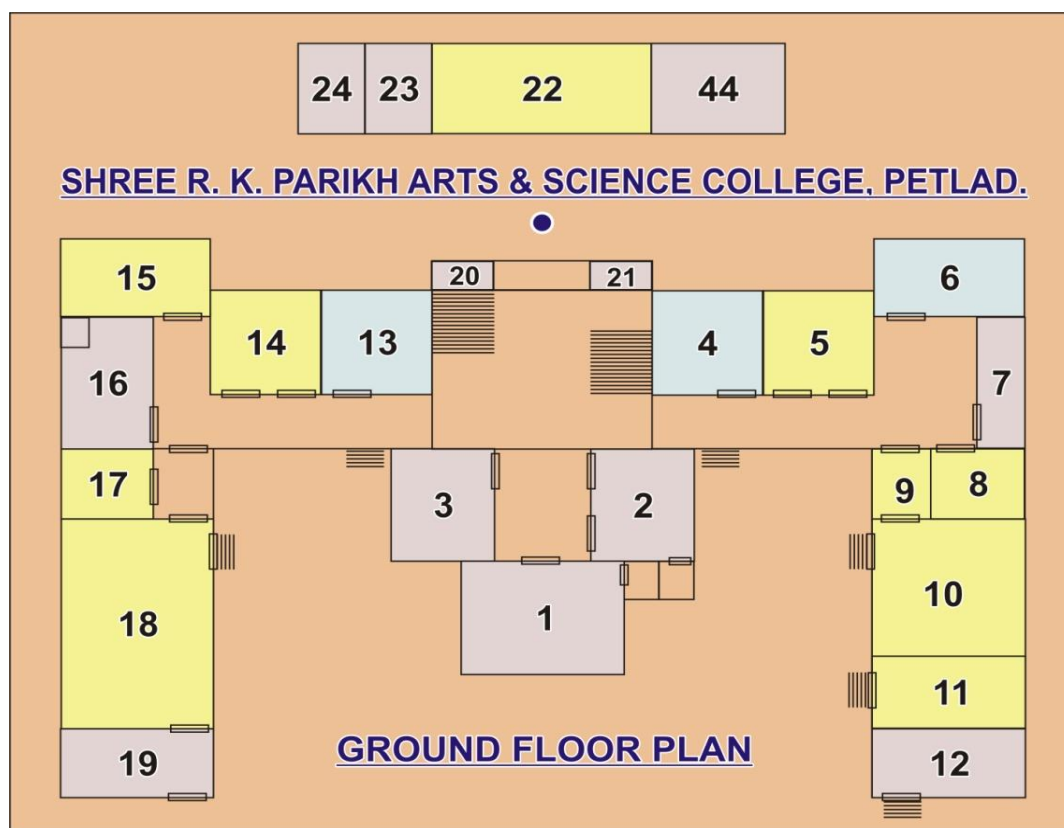
**Mr. K. R. Vankar (Dept. of Gujarati)**

Sr. No.	Title	Journal	Status
1.	Samprat samatnu shixan ane vaidik shixan	Mulya aadharit uchch shikshan : vartman bharatna sandarbhma, ISBN : 798-81-924991-4-7, 2014.	State level

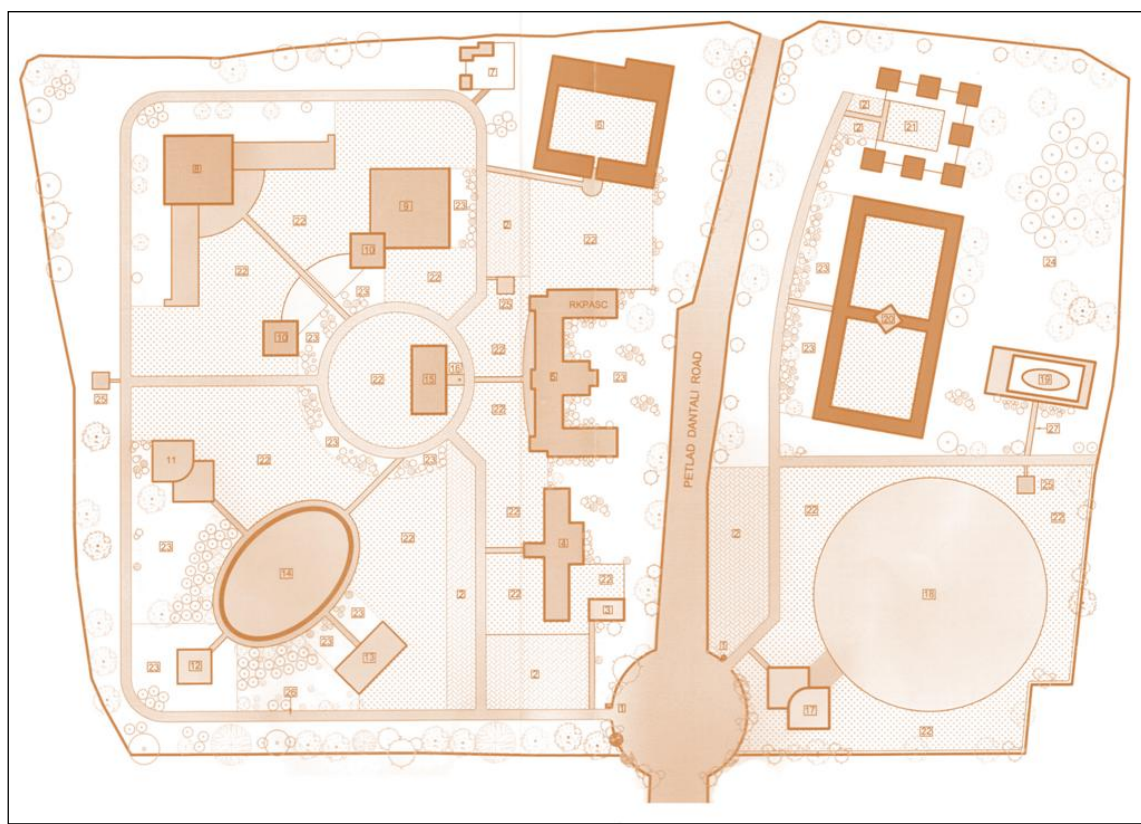
**Mr. M. B. Vaghela (Dept. of Sanskrit)**

Sr. No.	Title	Journal	Status
1.	Samprat samatnu shixan ane Kalidas	Mulya aadharit uchch shikshan : vartman bharatna sandarbhma, ISBN : 798-81-924991-4-7, 2014.	State level

Annexure-4-A

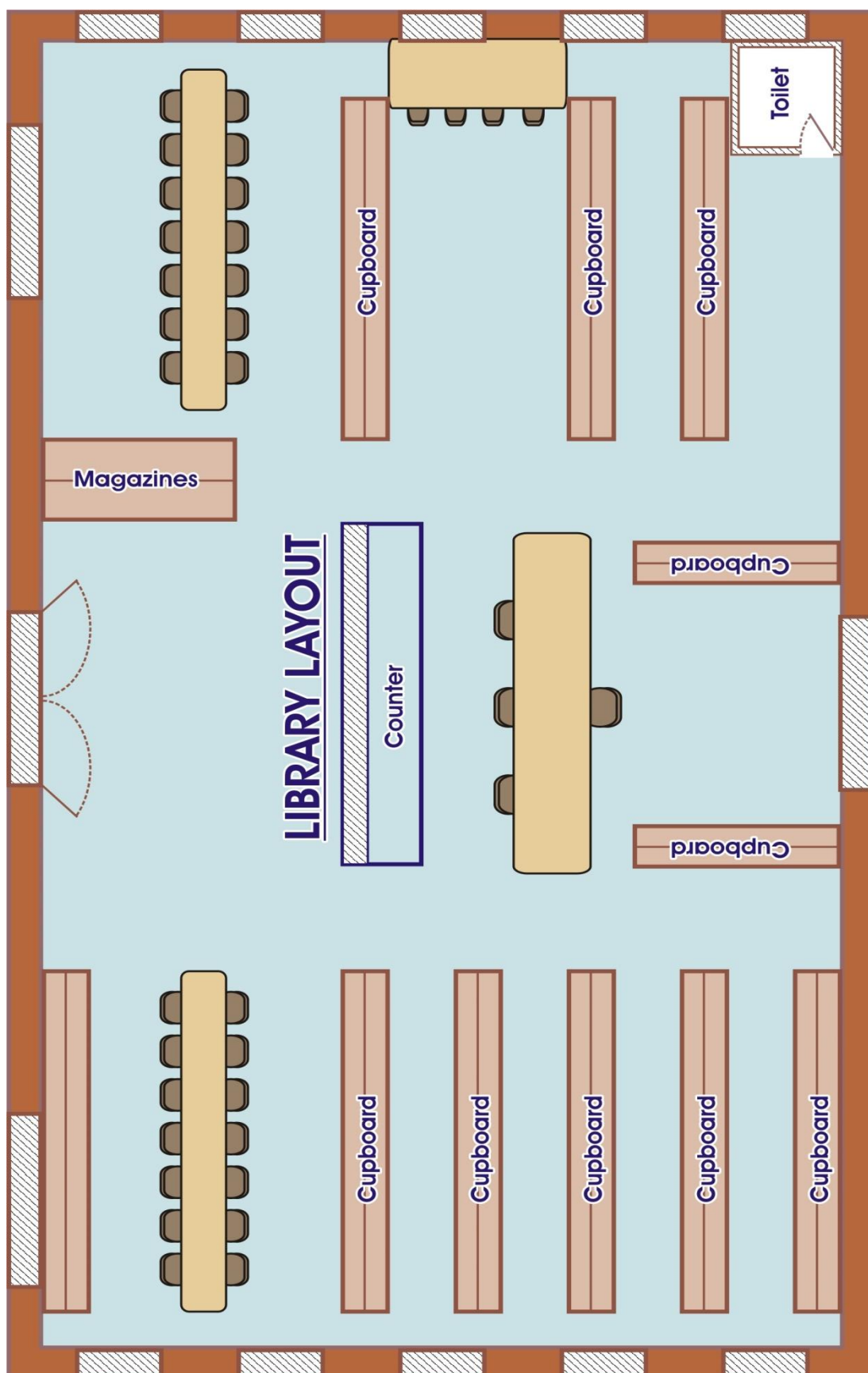


### Annexure-4-B-Master Plan of Institute



- |  |   |
|--|---|
| 1. Gate watchman cabin   | 14. Amphi - Theatre Trust Administration                  |
| 2. Parking   | 15. Founder's Bust  |
| 3. Canteen   | 16. Sports Center   |
| 4. Commerce & B.Ed. College  | 17. Play Ground   |
| 5. Science & Arts College  | 18. Hobby Center - Meditation, Art Gallery, Swimming Pool |
| 6. Girl's hostel   | 19. Boy's Hostel  |
| 7. Water supply / Electric station / Servants                      | 20. Staff Quarter's                                       |
| 8. New College building - 1  | 21. Lawn  |
| 9. New College building - 2  | 22. Landscaping   |
| 10. Data Center - Central Library, Computer Centre, Student's hall | 23. Thick Forest  |
| 11. Auditorium   | 24. Wash Room   |
| 12. Career Center / Alumni Bhavan                                  | 25. 15ft. Wide Road / Jogging Track                       |
| 13. Community Hall   | 26. 8ft. Walkway  |

### Annexure-4-C - Library Layout





**Annexure-5-A – UDISHA Activities**

Sr. No.	Date	Event	Guest / Expert	No. of participants
1	15/07/2007 to 15/08/2007	Basics of Computer & Internet	Hitixa Shastri	54
2	12/11/2007 to 30/11/2007	English Improvement Course	Amitaben Shukla	22
3	12/11/2007 to 30/11/2007	Basics Beauty parlor Course	Hina Bhavsar	35
4	21/01/2008	Youth empowerment with personality improvement	Ahmedabad Management Association,	59
5	4/02/2008	Career Awareness Programme: The B.Sc. Chemistry students prepare phenyl and other bleaching agents	Chemistry Department	32
6	14/02/2008	Effective Resume Building	Faculties from Jetking Computer Hardware & Networking Institute	105
7	16/02/2008	Visit to Vikram Sarabhai Community Science Centre, Ahmedabad	Prof Snehal Shukla and Prof K.R. Trivedi	60
8	18/02/2008	Demonstration of the Disaster Management and first aid services.	The CRPF battalion	350
9	25/02/2008	Visit to Amul Dairy, Anand	I.A.Sheikh	78
10	4/08/2008 to 4/09/2008	Basics of Computer & Internet	Hitixa Shastri	29
11	3/11/2008	English Improvement Course	Amitaben Shukla	28
12	3/11/2008	Beauty care classes	Hina Bhavsar	25
13	3/11/2008	Driving Training	Happy Motor Driving School, Petlad	11
14	3/11/2008	Mehandi classes	Hina Bhavsar	25
15	05/12/2008	Youth Empowerment with Personality Development	Ahmedabad Management Association,	60
16	05/12/2008	Effective Resume Building	Jetking Computer Hardware & Networking	60

17	28/12/2008	Visit To learn functioning of Prant office & Mamlatdar office, Petlad	Mamlatdar shri Y.S. Chaudhary	108
18	05/01/2009	Training for repair all electric points and appliances of the college	Paresh Patel, Electric Technician	25
19	16/01/2009	Industrial tour to Baroda, Ankleshwar and Vapi.	Prof R.T. Jasrai & Prof S.V.Patel	35
20	20/07/2009	Presentation about the functioning of industrial organization, HR requirement – qualification and skill required	Principal, Prof. V.R.Patel, Prof S.V.Patel, Prof Kantibhai Vankar	75
21	4/8/2009	Seminar : Need of Industrial Interface Cell(II) to make good Career	Mr.Heren Shah	150
22	1/10/2009	Basics of Computer & Internet	Hitixa Shastri	70
23	1/10/2009	English Improvement Course	Amitaben Shukla	32
24	1/10/2009	Basics Beauty Parlour Course	Hina Bhavsar	35
25	1/10/2009	Mobile repairing Course	Manan Pandya	12
26	11/12/2009	Effective Resume Building	Jetking Computer	95
27	04/01/2010	Youth Empowerment: Personality Improvement	Ahmedabad Management Association	75
28	07/01/2010	Health Awareness Programme: Healthy human heart:	Dr. Tushar Soni (M.D.)	157
29	08/01/2010	Health Awareness Programme: Thalassemia.	Dr. Jayesh Desai, President, Indian Red Cross Society	168
30	15/02/2010 to 31/03/2010	Computer Training for the senior citizens	Hitixa Shastri	80
31	19/07/2010	<b>Soft Skill Development,</b> General Etiquette and Telephone manners	Ms Seema Yadav Ms. Riti Patel	105
32	11/08/2010 to 15/12/2010	<b>Basics of Accounts</b> -Tally Course	Radhe Infotech, Anand	40
33	16/12/2010	English Improvement lecture <b>“Importance of English in Professional Career ”</b>	Prof. Apoorav Pandya	130
34	12/01/2011	One day Workshop on <b>“How to Achieve Goals of Life”</b>	Mr. Vinod Amlani	40
35	17/01/2011	Visit of <b>Vibrant Gujarat Expo</b> , Gandhinagar.	Prof. V.R. Patel, Prof. K.R. Vankar, Prof. M.K. Mondora	60
36	1/07/2012	<b>Basics of Accounts</b> -One year Tally Course	Ms.Falguni Shah	25



37	12/09/2012	Seminar: Mind Power	Trainer: Jignesh Tanna	84
38	13/09/2012	Seminar: Competitive Exam Preparation	Mr. Pratik Gupta	84
39	6/09/2012 to 10/10/2012	One month Beauty Parlour & Hair dressing course	Ms. Falguni Shah	30
40	19/11/2012 to 8/12/2012	Hobby Class: Emboss Painting, Soft Toys & Waste to Best	Ms. Falguni Shah	7
41	10/12/2012 to continue	Waste to Best, Soft Toys making & Emboss Painting	Ms. Falguni Shah	9
42	8/01/2013	Career Guidance	Experts from 'Reliance Disha'	95
43	20/02/2013	Campus Interview by ICICI, for Jr. Executive	Sharad Jauhari, HR Manager, Vadodara	155
44	1/07/2013	<b>Basics of Accounts</b> -One year Tally Course	Ms.Falguni Shah	75
45	26/07/2013	<b>Computer Basic</b> -One Year Basic Course	Ms. Falguni Shah	student-40 Women-30
46	18/1/2014	Career Guidance & Effective Resume Building Workshop	Mr.Pranav Desai 9427041179	53
47	24/1/2014 & 25/1/2014	Seminar :- Online form for competitive exam	Mr.Dharmendra Rathod (LIC D.O)	225
48	29/1/2014 To 22/2/2014	Training Class for Mahesuli Talati,Talati cum Mantri & junior clerk	Mr. Dharmendra & his Team	120
49	12/2/2014	Seminar:-Career in biotechnology, Pharmaceutical, Genetics, Microbiology	Dr.Anju &Dr.Ritu Dixit	25
50	17/2/2014	Seminar:-Clinical Research	Mr.Chintan Mojdra	25
51	24/04/2014	Workshop: Resume creation and interview planning	Mr. Jayraj Pandya	25
52	24/04/2014	Workshop: Resume creation and interview planning	Mr. Jayraj Pandya	25
53	24/04/2014	Workshop: Resume creation and interview planning	Mr. Jayraj Pandya	25

## Annexure- 6-A

### SHRI R.K.PARIKH ARTS & SCIENCE COLLEGE: PETLAD

#### BALANCE SHEET AS AT 31st MARCH, 2011

FUND & LIABILITIES	RS.	RS.	ASSETS	RS.	RS.
GRANT, RESERVE & OTHER FUND		5405373.50	FIXED ASSETS: SCH-D		366174.00
SCHEDULE-A					
DEPOSIT: SCH-B		29280.00			
OTHER LIABILITIES: SCH-C		470135.00	APPLICATION OF U.G.C.		
DUTIES & TAXES :-			GRANT & OTHER FUND		5056905.90
Tution Fee's Recived	332400		SCH-E		
Paid During the year	330000	2400.00	SUNDY ADVANCES & DEPOSIT		
PETLAD EDUCATION TRUST			SCH-F		43744.00
OPENING BALANCE	530225.83				
ADD: RECD. DURING THE YEAR	324516.00				
	854741.83				
LESS: PAID DURING THE YEAR	114110.00		CASH & BANK BALANCE SCH-G		1179095.15
LESS: DEFICIT	1901.28	738730.55			
<b>TOTAL:</b>		6645919.05	<b>TOTAL:</b>		6645919.05

PLACE: PETLAD

DATE: 19 OCT 2011

EXAMINED & FOUND CORRECT AS PER

BOOK OF ACCOUNTS  
FOR, B.C.PATEL & CO  
CHARTERED ACCOUNTANTS

(BHARAT C. PATEL)  
PROPRIETOR



PRINCIPAL  
SHRI R. K. PARIKH ARTS &  
SCIENCE COLLEGE PETLAD



### SHRI R.K.PARIKH ARTS & SCIENCE COLLEGE: PETLAD

#### INCOME & EXPENDITURE A/C. FOR THE YEAR ENDING ON 31st MARCH, 2011

PARTICULARS	RS.	RS.	PARTICULARS	RS.	RS.
<b>SALARY EXPS :- SCH-H</b>		19578810.00	<b>SALARY &amp; OTHER EXP. TO STAFF</b>		
COLLEGE BUILDING RENT	114110.00		SALARY GRANT D.E	19578810.00	
PRATIK PURASKAR EXP	226825.00	343455.00	STATE MAINTENCE GRANT	438490.00	
Peon uniform & washing Allowance	2520.00				
<b>EDUCATION EXP :-</b>			OTHER FEES :- SCH- K	281916.00	
INTERNET EXP FOR STUDENT & STAFF	7646.00		OTHER RECEIPT :- SCH -L	60884.46	20360100.46
SEMINAR EXP	12750.00	20396.00	<b>TUTION FEES:-</b>		
<b>MAINTENANCE EXPS:-</b>			RECEIVED DURING THE YEAR	0.00	
LIGHT & WATER CHARGES	97365.82				
TELEPHONE EXP ( OFFICE)	6909.00		LESS : PAID DURING THE YEAR	0.00	NIL
POST & COUIER EXP	5709.00				
LABORATORY EXP.-SCH..I	107980.42		<b>NETT LOSS</b>		1901.28
STATIONERY & PRINTING	28881.00				
TRAVELLING & CONVEYANCE	12591.00				
NEWS PAPER & PERIODICALS	3362.00				
COMPUTER REP & MAINTENCE EXP	6250.00				
SENITATION EXP.	1776.00	270824.24			
<b>OTHER EXPENSES:-</b>					
AUDIT FEES	5600.00				
DEPRECIATION - SCH-D	53327.00				
INTEREST A/C UGC LIB. BUIDLING EXP	21493.00				
GENERAL EXP.:SCH..J	68096.50	148516.50			
<b>TOTAL:</b>		20362001.74	<b>TOTAL:</b>		20362001.74

PLACE: PETLAD

DATE: 19 OCT 2011

EXAMINED & FOUND CORRECT AS PER

BOOK OF ACCOUNTS  
FOR, B.C.PATEL & CO  
CHARTERED ACCOUNTANTS

(BHARAT C. PATEL)  
PROPRIETOR



PRINCIPAL  
SHRI R. K. PARIKH ARTS &  
SCIENCE COLLEGE PETLAD



**SHRI R.K.PARIKH ARTS & SCIENCE COLLEGE: PETLAD**

**BALANCE SHEET AS AT 31st MARCH, 2012**

FUND & LIABILITIES	RS.	RS.	ASSETS	RS.	RS.
GRANT, RESERVE & OTHER FUND		8122873.50	FIXED ASSETS: SCH-D		393333.00
SCHEDULE-A					
DEPOSIT: SCH-B		11420.00			
OTHER LIABILITIES: SCH-C		533942.50	APPLICATION OF U.G.C.		
DUTIES & TAXES :-			GRANT & OTHER FUND		6284804.90
Tution Fee's Recived-11-12	414000		SCH-E		
Paid During the year 11-12	409800	4200.00			
Tution Fee's Recived-10-11		2400.00			
PETLAD EDUCATION TRUST			SUNDRY ADVANCES & DEPOSIT		
OPENING BALANCE	738730.55		SCH-F		39994.00
ADD: RECD. DURING THE YEAR	224990.00				
	963720.55				
LESS: PAID DURING THE YEAR	0.00		CASH & BANK BALANCE SCH-G		2639805.25
LESS: DEFICIT	280619.40	683101.15			
<b>TOTAL:</b>		<b>9357937.15</b>	<b>TOTAL:</b>		<b>9357937.15</b>

PLACE: PETLAD  
DATE: 12/07/2012



EXAMINED & FOUND CORRECT AS PER  
BOOK OF ACCOUNTS  
FOR, B.C.PATEL & CO  
CHARTERED ACCOUNTANTS  
*(Signature)*  
(BHARAT C. PATEL)  
PROPRIETOR

*(Signature)*  
**PRINCIPAL**  
**SHRI R. K. PARIKH ARTS & SCIENCE COLLEGE PETLAD**



**SHRI R.K.PARIKH ARTS & SCIENCE COLLEGE: PETLAD**  
**INCOME & EXPENDITURE A/C. FOR THE YEAR ENDING ON 31st MARCH, 2012**

PARTICULARS	RS.	RS.	PARTICULARS	RS.	RS.
<b>SALARY EXPS :- SCH-H</b>		22778003.00	<b>SALARY &amp; OTHER EXP. TO STAFF</b>		
COLLEGE BUILDING RENT	114110.00		SALARY GRANT D.E	22778003.00	
PRATIK PURASKAR EXP	166200.00		STATE MAINTENCE GRANT	121238.00	
Peon uniform & washing Allowance	6450.00	286760.00			
<b>EDUCATION EXP :-</b>			OTHER FEES :- SCH- K	324394.00	
Educational Equipment Exp	3360.00	3360.00	OTHER RECEIPT :- SCH -L	51673.60	23275308.60
<b>MAINTENANCE EXPS:-</b>			<b>TUTION FEES:-</b>		
LIGHT & WATER CHARGES	92806.00		RECEIVED DURING THE YEAR	0.00	
TELEPHONE EXP ( OFFICE)	9798.00				
POST & COUIER EXP	6047.00		LESS : PAID DURING THE YEAR	0.00	NIL
LABORATORY EXP.-SCH.:I	173898.50				
STATIONERY & PRINTING	25616.00		<b>NETT LOSS</b>		280619.40
TRAVELLING & CONVEYANCE	13904.00				
NEWS PAPER & PERIODICALS	20252.00				
COMPUTER REP & MAINTENCE EXP	15250.00	359037.50			
SENITATION EXP.	1466.00				
<b>OTHER EXPENSES:-</b>					
AUDIT FEES	5600.00				
DEPRECIATION - SCH-D	51059.00				
INTEREST A/C UGC LIB. BUIDLING EXP	0.00				
GENERAL EXP.:SCH.:J	72108.50	128767.50			
<b>TOTAL:</b>		<b>23555928.00</b>	<b>TOTAL:</b>		<b>23555928.00</b>

PLACE: PETLAD  
DATE: 12/07/2012



EXAMINED & FOUND CORRECT AS PER  
BOOK OF ACCOUNTS  
FOR, B.C.PATEL & CO  
CHARTERED ACCOUNTANTS  
*(Signature)*  
(BHARAT C. PATEL)  
PROPRIETOR

*(Signature)*  
**PRINCIPAL**  
**SHRI R. K. PARIKH ARTS & SCIENCE COLLEGE PETLAD**





**SHRI R.K.PARIKH ARTS & SCIENCE COLLEGE: PETLAD**

**BALANCE SHEET AS AT 31st MARCH, 2013**

FUND & LIABILITIES	RS.	RS.	ASSETS	RS.	RS.
GRANT, RESERVE & OTHER FUND		9449873.50	FIXED ASSETS: SCH-D		378738.00
SCHEDULE-A					
DEPOSIT: SCH-B		26360.00			
OTHER LIABILITIES: SCH-C		1177165.00	APPLICATION OF U.G.C.		
Tution Fee's Recived-12-13	464400		GRANT & OTHER FUND		8889681.70
Paid During the year 12-13	463200	1200.00	SCH-E		
Tution Fee's 2010-11		2400.00			
Tution Fee's 2011-12		4200.00			
PETLAD EDUCATION TRUST			SUNDRY ADVANCES & DEPOSIT		
OPENING BALANCE	683101.15		SCH-F		117730.60
ADD: RECD. DURING THE YEAR	342935.00				
	1026036.15				
LESS: PAID DURING THE YEAR	0.00		CASH & BANK BALANCE SCH-G		2018098.18
LESS: DEFICIT	282986.17	743049.98			
<b>TOTAL:</b>		<b>11404248.48</b>	<b>TOTAL:</b>		<b>11404248.48</b>

PLACE: PETLAD  
DATE: 20/11/2013



EXAMINED & FOUND CORRECT AS PER  
BOOK OF ACCOUNTS  
FOR, B.C.PATEL & CO  
CHARTERED ACCOUNTANTS  
(BHARAT C. PATEL)  
PROPRIETOR

  
PRINCIPAL  
SHRI R. K. PARIKH ARTS &  
SCIENCE COLLEGE, PETLAD

**SHRI R.K.PARIKH ARTS & SCIENCE COLLEGE: PETLAD**  
**INCOME & EXPENDITURE A/C. FOR THE YEAR ENDING ON 31st MARCH, 2012**

PARTICULARS	RS.	RS.	PARTICULARS	RS.	RS.
<b>SALARY EXPS :- SCH-H</b>		24646024.00	<b>SALARY &amp; OTHER EXP. TO STAFF</b>		
COLLEGE BUILDING RENT		114110.00	SALARY GRANT D.E	24646024.00	
PRATIK PURASKAR EXP		227573.00	STATE MAINTENCE GRANT	85000.00	
State Maintenance Grant Recovery		2850.00			
<b>EDUCATION EXP :-</b>			OTHER FEES :- SCH- K	406583.00	
Educational Equipment Exp	0.00		OTHER RECEIPT :- SCH -L	148793.20	25286400.20
		0.00			
<b>MAINTENANCE EXPS:-</b>			<b>TUTION FEES:-</b>		
LIGHT & WATER CHARGES	118162.37		RECEIVED DURING THE YEAR	0.00	
TELEPHONE EXP ( OFFICE)	8049.00				
POST & COUIER EXP	6147.00		LESS : PAID DURING THE YEAR	0.00	NIL
LABORATORY EXP.-SCH.:I	157006.00				
STATIONERY & PRINTING	29767.00				
TRAVELLING & CONVEYANCE	22994.00		<b>NETT LOSS</b>		282986.17
NEWS PAPER & PERIODICALS	19761.00				
COMPUTER REP & MAINTENCE EXP	5250.00				
SENITATION EXP.	13007.00	380143.37			
<b>OTHER EXPENSES:-</b>					
AUDIT FEES	5600.00				
DEPRECIATION - SCH-D	48843.00				
GENERAL EXP.:SCH.:J	144243.00	198686.00			
<b>TOTAL:</b>		<b>25569386.37</b>	<b>TOTAL:</b>		<b>25569386.37</b>

PLACE: PETLAD  
DATE: 20/11/2013



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PROPRIETOR

  
PRINCIPAL  
SHRI R. K. PARIKH ARTS &  
SCIENCE COLLEGE, PETLAD

**SHRI R.K.PARIKH ARTS & SCIENCE COLLEGE: PETLAD****BALANCE SHEET AS AT 31st MARCH, 2014**

FUND & LIABILITIES	RS.	RS.	ASSETS	RS.	RS.
GRANT, RESERVE & OTHER FUND		6343026.00	FIXED ASSETS: SCH-D		467402.00
SCHEDULE-A					
DEPOSIT: SCH-B		52200.00			
OTHER LIABILITIES: SCH-C		625829.00	APPLICATION OF U.G.C.		
Tution Fee's Recived-13-14	706200		GRANT & OTHER FUND		5574091.80
Paid During the year 13-14	698400	7800.00	SCH-E		
Tution Fee's 2010-11		2400.00			
Tution Fee's 2011-12		4200.00			
Tution Fee's 2012-13		1200.00			
PETLAD EDUCATION TRUST			SUNDRY ADVANCES & DEPOSIT		
OPENING BALANCE	743049.98		SCH-F		65708.00
ADD: RECD. DURING THE YEAR	440510.00				
	<b>1183559.98</b>				
LESS: PAID DURING THE YEAR	139110.00		CASH & BANK BALANCE SCH-G		1382596.92
LESS: DEFICIT	591306.26				
	<b>730416.26</b>	453143.72			
<b>TOTAL:</b>		7489798.72	<b>TOTAL:</b>		7489798.72

PLACE: PETLAD  
DATE: 07/07/2014

PRINCIPAL  
SHRI R. K. PARIKH ARTS &  
SCIENCE COLLEGE, PETLAD

EXAMINED & FOUND CORRECT AS PER  
BOOK OF ACCOUNTS  
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CHARTERED ACCOUNTANTS  
(BHARAT C. PATEL)  
PROPRIETOR



**SHRI R.K.PARIKH ARTS & SCIENCE COLLEGE: PETLAD**  
**INCOME & EXPENDITURE A/C. FOR THE YEAR ENDING ON 31st MARCH, 2014**

PARTICULARS	RS.	RS.	PARTICULARS	RS.	RS.
<b>SALARY EXPS :- SCH-H</b>		28180043.00	<b>SALARY &amp; OTHER EXP. TO STAFF</b>		
COLLEGE BUILDING RENT		143810.00	SALARY GRANT D.E	28180043.00	
PRATIK PURASKAR EXP		386951.00	STATE MAINTENANCE GRANT	318477.00	
State Maintanance Grant Recovery		0.00	Sachchinand Seva Samaj Book bank Grant	100000.00	
<b>EDUCATION EXP :- I</b>			OTHER FEES :- SCH- N	565017.00	
Educational Equipment Exp	6800.00		OTHER INCOME :- SCH -O	78163.00	29241700.00
		6800.00			
<b>MAINTENANCE EXPS:-</b>			<b>TUTION FEES:-</b>		
GRANTED EXP:- J	226382.00		RECEIVED DURING THE YEAR	0.00	
LABORATORY EXP.-SCH - K	272781.50		LESS : PAID DURING THE YEAR	0.00	NIL
MAINTENANCE & REPARING EXP - L	20297.00				
		519460.50			
<b>OTHER EXPENSES:-</b>			<b>NETT LOSS</b>		<b>591306.26</b>
DEPRECIATION CHARGES	57222.00				
GENERAL EXP.: SCH.: M	158991.36	595941.76			
U.G.c. Grant Excess Exp (1 to 10 Plan)	379728.40				
<b>TOTAL:</b>		29833006.26	<b>TOTAL:</b>		29833006.26

PLACE: PETLAD  
DATE: 07/07/2014

PRINCIPAL  
SHRI R. K. PARIKH ARTS &  
SCIENCE COLLEGE, PETLAD

EXAMINED & FOUND CORRECT AS PER  
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CHARTERED ACCOUNTANTS  
(BHARAT C. PATEL)  
PROPRIETOR



**Annexure- 7**

Teaching Staff Profile					
Sr. No.	Name	Qualification	Date of joining	Pay Scale	Basic Pay
1	DR. V. S. JOSHI	M.Sc., Ph.D.	12/09/2004	37400-67000	53750
2	DR. R. T. JASRAI	M.Sc., Ph.D.	19/02/1988	37400-67000	56500
3	SHRI A. V. PANDYA	M.A.	12/09/1992	37400-67000	51600
4	DR. K. B. ANJARIA	M.Sc., Ph.D.	12/09/1992	37400-67000	53410
5	SHRI K. R. VANKAR	M.A.	19/09/1992	37400-67000	51600
6	SHRI K. R. TRIVEDI	M.Sc.	21/09/1993	37400-67000	49830
7	DR. V. R. PATEL	M.Sc., Ph.D.	21/09/1993	37400-67000	49830
8	SHRI S. V. PATEL	M.Sc.	01/10/1994	37400-67000	48110
9	DR. J. A. CHAUDHARY	M.Sc., Ph.D.	15/11/1995	37400-67000	48110
10	DR. U. N. PATEL	M.Sc., Ph.D.	16/11/1995	37400-67000	53410
11	SHRI B. D. JOSHI	M.Sc.	12/10/1996	37400-67000	49830
12	SHRI M. K. MANDORA	M. P.Ed.	15/06/1998	37400-67000	41720
13	SHRI I. A. SHAIKH	M.A.	10/08/2003	37400-67000	53420
14	DR. G. D. CHAUDHARI	M.A., Ph. D.	28/08/2014	37400-67000	49830
15	DR. A. N. PATEL	M.A., Ph.D.	04/07/2012	fix 25000	25000
16	SHRI M. B. VAGHELA	M.A.	04/01/1992	fix 14460	14460
17	SMT. S. S. VYAS	M.A., M.Phil	09/12/1992	fix 14460	14460
18	DR. S. D. SHUKLA	M.Sc., Ph.D.	26/9/1994	fix 14460	14460
19	DR. U. H. VYAS	M.A., M.Sc., M.Phi, Ph.D.	23/09/1993	9300-34800	20890
20	SHRI S. M. PAREKH	M.Lib.	07/01/1997	37400-67000	53410

Non Teaching, Technical and Support Staff Profile					
Sr. No.	Name	Qualification	Date of joining	Pay Scale	Basic Pay
1	SHRI V. R. BHAVSAR	B.Com.	01/02/1988	9300-34800 (PB1)	13460
2	SHRI R. S. PARMAR	B.Sc.	04/03/1989	5000-20200 (PB1)	13620
3	SHRI D. N. PANCHAL	S.S.C., ITI	10/08/1989	5000-20200 (PB1)	15100
4	SHRI P. R. PATEL	Ele. ITI	10/12/1992	5000-20200 (PB1)	11870
5	SHRI K. C. SHAH	B.Com.	16/06/1997	5000-20200 (PB1)	13000
6	SHRI R. R. RABARI	S.S.C.	16/06/1997	5000-20200 (PB1)	9990
7	SHRI I. A. THAKOR	Std. 4 <sup>th</sup>	03/01/1989	4440-7440 (1S)	8910
8	SHRI K. S. HARIJAN	Std. 9 <sup>th</sup>	04/01/1992	4440-7440 (1S)	8910
9	SHRI R. N. VAGHELA	Std. 9 <sup>th</sup>	16/06/1997	4440-7440 (1S)	8090
10	SHRI H. L. RABARI	Std. 9 <sup>th</sup>	16/06/1997	4440-7440 (1S)	8090
11	SHRI M. M. DAMOR	Std. 4 <sup>th</sup>	15/06/1998	4440-7440 (1S)	7940
12	SHRI K. C. THAKORE	Std. 5 <sup>th</sup>	10/08/2003	4440-7440 (1S)	7020

**Annexure- 8****COLLEGE COMMITTEES**

<b>GEET, SANGIT, NRUTYA DHARA (CULTURAL COMMITTEE)</b>	
<b>Dr. A.N. Patel (Saptadhara Coordinator)</b>	
MR. K. R. Vankar(Convener)	Ms. S. S. Vyas
Mr. A. V. Pandya	Mr. S. V. Patel
Dr. U. H. Vyas	
<b>VYAYAM, YOG, KHELKUD DHARA. (SPORTS COMMITTEE AND RED RIBBON CLUB)</b>	
Mr. M. K. Mandora (Convener)	Mr. K. R. Trivedi
Dr. V. R. Patel	
<b>SARJANATMAK ABHIVYAKTI DHARA</b>	
Dr. G.D. Chaudhari (Convener)	Mr. M. B. Vaghela
Mr. S. M. Parekh	
<b>GYAN DHARA(SCIENCE AND ARTS STUDY CIRCLE)</b>	
Mr. B. D. Joshi (Convener )	Mr. K. C. Shah
Mr. I. A. Shaikh (Convener)	Dr. S. D. Shukla
<b>RANGKALA KAUSHAL DHARA</b>	
Dr. K. B. Anjaria( Convener)	Dr. A. N. Patel
Mr. A. V. Pandya	
<b>SAMUDAYIK SEVA DHARA-1 (N.C.C. COMMITTEE)</b>	
Dr. R. T. Jasrai(Convener)	Mr. D. N. Panchal
Mr. M. K. Mandora	Mr. R. S. Parmar
<b>SAMUDAYIK SEVA DHARA-2 (N.S.S. COMMITTEE)</b>	
Mr. S. V. Patel (Convener)	Mr. R. S. Parmar
Mr. P. R. Patel (Joint-Convener)	Mr. M. B. Vaghela
Dr. U. N. Patel	Mr. K. C. Shah
<b>NATYA DHARA</b>	
Dr. S. D. Shukla (Convener)	Falguni Shah
Mr. A. V. Pandya	
<b>MENTORING COMMITTEE</b>	
Dr. V. R. Patel (Convener)	Mr. I. A. Shaikh
Mr. K. R. Trivedi	Dr. G. D. Chaudhari
Dr. U. H. Vyas	Dr. A. N. Patel
Dr. U. N. Patel	Mr. S. V. Patel
Dr. K. B. Anjaria	
<b>ALUMNI ASSOCIATION AND PTA COMMITTEE</b>	
Dr. V. R. Patel (Convener)	Mr. P. S. Patel
Mr. K. R. Trivedi	Dr. G.C. Kachhia
Mr. D. C. Shah	Mr. M. K. Mandora
<b>STUDENT'S REPRESENTATIVE COUNCIL</b>	
Dr. V. S. Joshi (Convener)	Dr. A. N. Patel
Dr. U. N. Patel	Mr. V. R. Bhavsar
<b>LIBRARY ADVISORY AND PUBLICATION COMMITTEE</b>	
Mr. S. M. Parekh (Convener)	Dr. U. N. Patel
Dr. G. D. Chaudhari	Mr. K. R. Vankar
Mr. B. D. Joshi	Dr. V. R. Patel
Mr. I. A. Shaikh	



<b>WATER, ELECTRICITY, PHOTOGRAPH AND STAGE COMMITTEE</b>	
Mr. P. R. Patel (Convener)	Mr. D. N. Panchal
Mr. K. C. Shah	Mr. R. S. Parmar
<b>NATURE CLUB AND GARDEN COMMITTEE</b>	
Dr. K. B. Anjaria (Convener)	Mr. R. R. Rabari
Dr. U. N. Patel	
<b>CAREER AND PLACEMENT CELL (UDISHA)</b>	
Dr. R. T. Jasrai (Convener)	Dr. A. N. Patel
Mr. K. R. Vankar	Mr. B. D. Joshi
Mr. I. A. Shaikh	
<b>MAINTENANCE COMMITTEE</b>	
Mr. K. R. Trivedi (Convener)	Mr. R. R. Rabari
Mr. V. R. Bhavsar	Mr. D. N. Panchal
Mr. Snehal Kachhia (Invited as Trust member)	
<b>COLLEGIATE WOMEN'S DEVELOPMENT CELL (CWDC)</b>	
Mrs. S. S. Vyas (Convener)	Ms. Sinal N. Patel
Mrs. P. K. Shah (Joint-convener)	Ms. Hitixa Shastri
<b>STUDENTS' ATTENDANCE VERIFICATION COMMITTEE</b>	
Mrs. S. S. Vyas (Convener)	Mr. A. D. Panchal
<b>INTERNAL QUALITY ASSURANCE CELL (IQAC)</b>	
Dr. V. S. Joshi (Chairperson)	Dr. G. D. Chaudhari (Member)
Mr. K. R. Trivedi (Coordinator)	Dr. U. H. Vyas (Member)
Dr. K. B. Anjaria (Joint-Coordinator)	Mr. V. R. Bhavsar (Member)
Mr. A. V. Pandya (Member)	Dr. R. K. Trivedi (External Expert)
Mr. B. D. Joshi (Member)	Mr. Milan Patel (External Expert)
<b>GRIEVANCE REDRESSAL AND ANTI-RAGGING CELL</b>	
Dr. U. N. Patel (Convener)	Mr. Paresh Patel
Mr. K. R. Vankar	Mrs. S.S. Vyas
<b>DELL / SCOPE AND GKS</b>	
Mr. A. V. Pandya (Coordinator DELL)	Mr. B. D. Joshi
Dr. U. H. Vyas (Nodal Officer GKS)	Mr. K. R. Trivedi
<b>INDUSTRIES INTERFACE CELL</b>	
Mr. V.R. Patel (Convener)	Mr. K. C. Shah
Mr. K.R. Vankar	Mr. M. K. Mandora
Mr. S.V. Patel	Mr. S. M. Parekh
Dr. U.N. Patel	
<b>EXAMINATION COMMITTEE</b>	
Mr. A. V. Pandya (Convener)	Dr. R. T. Jasrai
Mr. B. D. Joshi	Mr. K. R. Trivedi
<b>REMEDIAL COACHING COMMITTEE</b>	
Dr. J. A. Chaudhari (Convener)	Mr. I. A. Shaikh
Mr. K. R. Vankar	Mr. K. C. Shah (LDC)
Mr. S. V. Patel	
<b>ADMISSION COMMITTEE</b>	
All HODs Or Respective Faculty	
<b>TIME-TABLE</b>	
Mr. I. A. Shaikh (Convener-Arts)	Dr. K. B. Anjaria
Dr. S. D. Shukla (Convener-Science)	

PLANNING BOARD	
Dr. V.S. Joshi - Principal (Chairman)	Dr. U. H. Vyas
Dr. J. A. Chaudhari (Convener)	Mr. I. A. Shaikh
Mr. K.R. Trivedi	Mr.S. M. Parekh (Librarian)
Mr. A.V. Pandya	Mr. V.R. Bhavsar (Bursar)
Dr. K. B. Anjaria	
ACADEMIC COMMITTEE	
Dr. V.S. Joshi - Principal (Chairman)	Dr. U. H. Vyas
Dr. R.T. Jasrai	Mr. I. A. Shaikh
Mr. B.D. Joshi	Mr. K. R. Vankar
Mr. K.R. Trivedi	Dr. A. N.Patel
Mr. A.V. Pandya	Dr. S. D. Shukla
Dr. K. B. Anjaria	
RESEARCH COMMITTEE	
Dr. V.S. Joshi - Principal (Chairman)	Mr. I.A. Shaikh
Dr. J. A. Chaudhari (Convener)	Dr. Ashok N. Patel
Dr. R. T. Jasrai	Dr. U. H. Vyas
Dr. K. B. Anjaria	

### Abbreviations

Institute's full name Shri Ramanlal Keshavlal Parikh Arts and Science College is abbreviated and registered at UGC as Shri R. K. Parikh Arts and Science College

AAA	Academic And Administrative Audit
API	Academic Performance Indicator
AQAR	Annual Quality Assurance Report
BAOU	Dr. Babasaheb Ambedkar Open University
BISAG	Bhashkaracharya Institute of Space Application And Geoinformatics
BOS	Board of Studies
BVM	Birla Vishwakarma Mahavidyalay
CBCS	Choice Based Credit System
CCTV	Closed-Circuit Television
CDE	Centre For Distance Education
CFL	Compact Fluorescent Lamp
CHE	Commissioner of Higher Education
CIA	Continuous Internal Assessment
COP	Career Oriented Programs
CWDC	Collegiate Women's Development Cell
DELL	Digital Education And Learning Laboratory
DTP	Desktop Publishing
EBC	Economically Backward Class
ECS	Electronic Clearing System
EDUSAT	Education Satellite
GDP	Gross Domestic Product
GoG	Government of Gujarat
GPF	General Provident Fund
GR	Government Resolution
GRC	Grievance Redressal Cell
GUJCOST	Gujarat Council On Science And Technology
HODs	Head of Departments
ICT	Information And Communications Technology
IIC	Industrial Interface Cell
INFLIBNET	Information And Library Network
IQAC	Internal Quality Assurance Cell
ISBN	International Standard Book Number
ISSN	International Standard Serial Number
IT	Information Technology

KCG	Knowledge Consortium Of Gujarat
KMPF	Knowledge Management Program For Faculty
LAN	Local Area Network
LTC	Leave Travel Concession
MCQ	Multiple Choice Questions
MOU	Memorandum of Understanding
MRP	Minor Research Project
NAAC	National Assessment And Accreditation Council
NCC	National Cadet Corps
NGO	Non-Governmental Organization
NGPE	National Graduate Physics Examination
NME-ICT	National Mission On Education Through Information And Communication Technology
NSS	National Service Scheme
OBC	Other Backward Class
OMR	Optical Mark Recognition
PRL	Physical Research Laboratory
PTAC	Participation of Teachers In Academic Conferences In India
RAR	Re- Accreditation Report
RO	Reverse Osmosis
S P University	Sardar Patel University
SC	Scheduled Castes
SCOPE	Society For The Creation of Opportunities Through Proficiency In English
Sem	Semester
SICART	Sophisticated Instrumentation Centre For Applied Research And Testing
SLO	Short Learning Objectives
SOUL	Software For University Libraries
SRC	Students Representative Committee
ST	Scheduled Tribes
UDISHA	Universal Development of Integrated Employability Skills Through Higher Education Agencies
UGC-NRC	University Grants Commission-Network Resource Center
V V Nagar	Vallabh Vidya Nagar
WWF	World Wide Fund For Nature

## GLIMPSES OF ACTIVITIES



National Conference on "Taxonomy Teaching & Research : the Relevance in the National Context"



UGC sponsored one day state level seminar on "Intellectual Property Right"



International Youth Day Celebration



Staff seminar for procurement of UGC research grants



State level workshop on "Prologue and Relevance of MATLAB"



Seminar conducted by IIC "Let's be Industry driven"



Three days workshop on "Near to Science"



One Day Workshop on "Tapping Talent for Triple Technology"



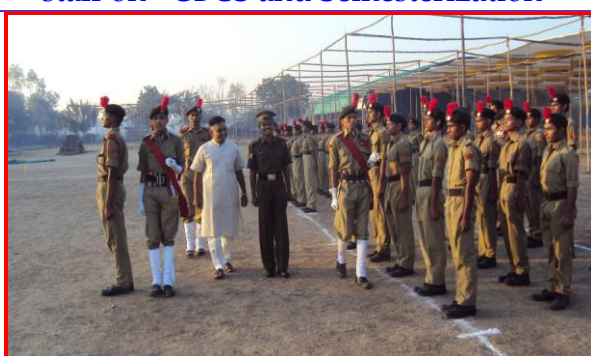
## GLIMPSES OF ACTIVITIES



Training workshop for admin and technical staff on “CBCS and Semesterization”



Inter College Weight lifting and best physique tournament



RepublicDay N.C.C. parade



Run for Unity



Power lifting competition at Chennai



Health awareness programme for girls



Seminar on “Strengthening library resources through innovative technology”



One Day seminar on “Tips to Technology Trio”