

Re-Accreditation Report

[RAR]



Submitted

By

Charutar Vidya Mandal's
VP and RPTP Science College
[Affiliated to Sardar Patel University]
Accredited B⁺⁺
College with Potential for Excellence
[CPE]

Vallabh Vidyanagar-388120.Gujarat

www.vpscience.org

Email: principal@vpscience.org

Principal: **Dr Bhavesh D Patel**

Email: drbhavesh@vpscience.org

Coordinator: **Dr Nikunj Bhatt**

: Email: drnikunjhatt@vpscience.org

Phone no: [02692 230011]

Fax: [02692 235207]

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Preface

It was due to the revolutionary idea of Bhaikaka and Bhikhabhai, the founders of CVM, when contrary to general belief that institutions of higher education can come up only in cities, the rural, dusty, underdeveloped Vallabh Vidyanagar's first college, Vitthalbhai Patel Mahavidyalaya came into existence in 1947. Today it is one of the oldest and premier Science Colleges of Gujarat. It is named after Vitthalbhai Patel, the eminent freedom fighter who became the first Indian President of the Central Legislative Assembly during the British regime. It was with this college that educational process began in the newly founded Vallabh Vidyanagar, which later flowered into a unique township with institutions of education for all levels and branches - from KG to PG. Birla Vishwakarma Mahavidyalaya (Engineering College) was born the following year (1948) and Bhikhabhai Jivabhai Vanijya Mahavidyalaya (Commerce College) was ushered into existence in 1951. All this was achieved despite a host of acute problems, mostly financial. It must be remembered that the engineering college was the first ever to be started by a private trust in the entire Bombay State which then spanned from Karachi (now in Pakistan) to Dharwad!

Bhailalbhai Dyabhai Patel, later warmly taken to their heart by the people of Gujarat as 'Bhaikaka' had earned reputation for his sense of values, dedication and absolute integrity. He took along with him Bhikhabhai Kuberbhai Patel, endearingly called 'Bhikhabhai Saheb', a dedicated and farsighted teacher, and established the colleges, schools and residential quarters etc. for the staff through Charutar Vidya Mandal and Charotar Gramoddhar Sahkari Mandal. Not only this, they founded Sardar Vallabhbhai Vidyapith (University) within eight years. Visits of several very important persons like Lord and Lady Mountbatten, Jawaharlal Nehru and Sardar Patel in quick succession and their expression of high opinion of the boundless courage of the duo's selflessness and practical idealism shot Vallabh Vidyanagar to national fame and the growth and development of the educational township, which now has a short past of merely Sixty Six years but a long history, continued progress by leaps and bounds. Bhikhabhai expired in 1956. When Bhaikaka entered active politics in 1958 he handed over the reins of administration of Charutar Vidya Mandal to H M Patel, popularly called H M, an ICS officer of great repute. Among other things, he had provided strategic guidance to our country during the partition of India.

H M Patel & Development

H M nurtured the Mandal with great care and established numerous institutions like Bhailalbhai & Bhikhabhai Polytechnic, Nalini and Arvind Arts College, Kala Kendra College of Fine Arts, Rajratna P T Patel Science College, H M Patel Institute of English, S M Patel College of Home Science, College of Architecture, A R College of Pharmacy, I B Patel English Teaching School, Higher Secondary Complexes of Arts, Commerce, Science and Home Science, H M Patel Career Development Centre and Sardar Patel Renewable Energy Institute etc. Sardar Patel University-run Agro- Economic Research Centre is also his creation. He built hostels for students and started memorial lecture series in the names of Sardar Patel, Bhaikaka and Ishwar Petlikar. He conceived the projects of Vitthal Udyognagar and Medical College and Hospital Complex and worked day and night for their establishment on a sound footing. After H M Patel passed away, the public spirited Dr C L Patel, former Executive Engineer in the Gujarat Electricity Board, succeeded him as Chairman of the Mandal. Endowed with sound realism and solid and unshakable endurance, he harnessed his boundless energy in holding aloft the resplendent torch he inherited from his illustrious predecessors and joined the relay race. He founded here in Vallabh Vidyanagar countless self-financed colleges such as G H

Patel College of Engineering & Technology (GCET), N V Patel College of Pure & Applied Science (NVPAS), Sardar Ganj Mercantile Cooperative Bank Ltd. English Medium College of Commerce & Management (SEMCOM), Institute of Science and Technology for Advanced Studies and Research (ISTAR), Sophisticated Instrumentation Centre for Applied Research & Testing (SICART), S S Patel College of Physical Education, C Z Patel College of Business Management, Waymade College of Education, and Bhikhabhai Saheb PTC College etc. He also set up V and C Patel English Medium Primary School, Sumantbhai P Patel Primary School, Shapurbbhai Patel Centre for Learning, Centre for Studies & Research on Life and Works of Sardar Vallabhbhai Patel (SRC), Institute of Language Studies and Applied Social Science (ILSASS) etc. The fourth Engineering College & third Pharmacy College of CVM became reality in the academic year 2009-'10.

Dr C L Patel and New Vallabh Vidyanagar.

Dr C L Patel extensively renovated and refurbished several institutions and extended library buildings and laboratories in these.

In order to create learning opportunities for students at the global level, he signed MoU with a number of foreign universities-Georgia South Western University, Myers University, Malaspina University, University of Herfordshire, British Colombia University, University of Cincinnati and Eastern Michigan University etc.

His unquenchable thirst for revitalizing the society through quality education propelled Dr C L Patel to extend the boundaries of Vallabh Vidyanagar and founded New Vallabh Vidyanagar at the trisection of Karamsad, Mogri and Gana. The lush green New Vallabh Vidyanagar, sibling of Vallabh Vidyanagar, was born on April 20, 2000. It is now in its twelfth year of its existence

Let us have a bird's eye view of the well-planned New Vallabh Vidyanagar where the following institutions have come up.

1. A.D. Patel Institute of Technology (ADIT)
2. Ashok & Rita Patel Institute of Integrated Study & Research in Biotechnology (ARIBAS)
3. Indukaka Ipcowala College of Pharmacy (IICP).
4. Govindbhai Jorabhai Patel Ayurved College & Research Centre
5. Surajben Govindbhai Patel Ayurved Hospital.
6. Chimanbhai M U Patel Industrial Training Centre
7. Institute of Computer & Communication Technology and
8. CVM Institute for Degree Course in Pharmacy.

New Vallabh Vidyanagar also houses hostels where more than thirteen hundred students-boys and girls-live in pollution free atmosphere. Large play grounds and underground gymnasium Hall have also been established for students.

45B. Profile of the Affiliated /Constituent College

1. Name and address of the college:

Name: **V P and R P T P Science College**

Address: **Mota Bazar.**

City: **Vallabh Vidyanagar**

Pin: **388120**

State: **Gujarat**

Website: **www.vpscience.org**

2. For communication:

Designation	Information
Principal	Name: Dr. Bhavesh D. Patel Telephone with STD code : O:02692-230011 R:02692-246467 Mobile: 9586442019 Fax: 02692-235207 Email: bhavesh1968@rediff.com
Vice Principal	N / A
Steering Committee Coordinator	Name: Dr. Nikunj Bhatt Telephone with STD code : O:02692-230011 R:02692-263343 Mobile: 9825293238 Fax: 02692-235207 Email: drnikunjhatt@gmail.com

3. Status of the of Institution :

Affiliated College

√

Constituent College

Any other (specify)

4. Type of Institution:

a. By Gender

- i. For Men
- ii. For Women
- iii. Co-education ☒

b. By shift

- i. Regular ☒
- ii. Day
- iii. Evening

5. Is it 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: 20/06/1947 (dd/mm/yyyy)

b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

c. Details of UGC recognition: [Annexure-1-a](#)

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	24 June 1977	
ii. 12 (B)	June 1977	

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act) Encl. 01

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

Under Section/clause	i.	ii.	iii.	iv.
Recognition / Approval details Institution / Department / Programme	N / A	N / A	N / A	N / A
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: 18/03/2010

b. For its performance by any other governmental agency?

Yes No ☒

If yes, Name of the agency and

Date of recognition: (dd / mm / yyyy)

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

Location *	Rural
Campus area in sq. mts.	16300 sq mt.
Built up area in sq. mts.	4480.14 sq mt

(* 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 ✓

The college has a big central hall in which the college celebrating Annual function, Veer Vitthalbhai Lecture Series (Birth day of Elder brother of Sardar Patel on 27th September), Talent Evening, Orientation of first year students, Teacher-Parents meetings, Alumni Meetings. The central hall is also utilized by the citizens of the Vallabh Vidyanagar and Other Stakeholders.

- Sports facilities
 - * play ground: ✓
 - * swimming pool ✕
 - * gymnasium ✓

- Hostel

- * Boys' hostel ✓

- i. Number of hostels- 1[one]
 - ii. Number of inmates - 228
 - iii. Facilities (mention available facilities)

Each room is a three seater one and each student gets a separate bed, writing table, chair and cupboard. Sports facilities are also available.

- * Girls' hostel ✓

- i. Number of hostels- 2 [two]
 - ii. Number of inmates- 1) Ranak Hostel- 18
2) Square Hostel- 165
 - iii. Facilities (mention available facilities)

Each room is a three seated one and each student gets a separate bed, writing table, chair and cupboard. Sports, and mess facilities

- * Working women's hostel N/A

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

- Residential facilities for teaching and non-teaching staff (give numbers available -- cadre wise)

The CVM provides residential facility cadre wise[500 sq ft for class III employees] to those employees who wish/ require living in it. At present 09 [nine] Non-teaching staff members are living in staff quarters.

- Cafeteria –*There is a canteen [approximate area 500sq ft] in the college campus for staff and students. In which hygiene food and beverages is served.*
- Health centre –*College students and staff can get treatment at the University Health Centre, which is very close to the college, at very nominal charges (0.50 Paise case charge). Besides, the Panchayat Hospital also caters to health care needs at nominal charges. Each of these centres brings a specialist doctor on each day of the week apart from having a full time Medical Officer and other staff.*
- First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.....

All the departments, Labs and the office have a First aid facility. As far as ambulance is concerned, CVM has ambulance and much acclaimed 108 ambulance facility is just a call away. For emergency care facility(if any), we have Charotar Arogya Mandal, a sister concern of our management CVM, with which we have a tie up for treatment up to Rs 5000/-. This hospital is fully equipped with all the latest equipment and OTs along with highly qualified doctors and staff.

Health center staff –

Qualified doctor	Full time	☒	Part-time
Qualified Nurse	Full time	☒	Part-time

- Facilities like banking, post office, book shops

Vallabh Vidyanagar is a well-known academic hub of Gujarat. Therefore, it has seen great development. Today it has become a very convenient place because the entire major Private and nationalized banks with their own ATMs are situated in the vicinity of the college. The CVM campus, opposite to the college houses a Cooperative bank. The town also has a Post Office at a stone's throw away from the college campus. There are several book shops and stationery shops to cater to the students' requirements in close vicinity of the college.

- Transport facilities to cater to the needs of students and staff

The college is well connected by road transport like State Transport buses and private auto rikshaws and the railway station too is just 5 km away. So is quite easy for students to commute to the college. For other needs like going on educational tour etc, the college can use CVM's Bus facility.

The College has planned to purchase a small vehicle from CPE grants for those students and staff which conduct extension activities and field study.

- Animal house:

We do not require this facility as we do not conduct animal based research.

- Biological waste disposal:

The biological waste from our Biology Labs consists of preserved dissected animals like earthworm, prawns, leech etc which we dispose off by burying them in deep pits.

- Generator or other facility for management/regulation of electricity and voltage:

MCBs have fitted in the college, while the computer labs are fitted with stabilizers also. All the major computers are connected by UPS An Inverter is installed in office and Library.

- Solid waste management facility

A Sweeper is appointed who collects waste from each department and later on it is collected by Municipal Borough for disposal.

- Waste water management

College has a drainage connection with Municipal borough

- Water harvesting

Rain water is collected and harvested in big semi underground tank for laboratory experiments use.

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

Sl. No.	Programme Level	Name of the Programme / Course	Duration	Entry Qualification	Medium of instruction	Sanctioned / approved Student strength	No. of students admitted
	Under-Graduate	<i>B.Sc.</i>	<i>6 Sems</i>	<i>XII Science</i>	<i>English</i>	<i>720</i>	<i>519</i>
		<i>B.Sc. I/C[Sf]</i>					<i>64</i>
		<i>B.Sc Instru[Sf]</i>					<i>46</i>
		<i>BCA[Sf]</i>					<i>34</i>
	Post-Graduate	-----	-----	-----	-----	-----	-----
	Integrated Programmes P G	-----	-----	-----	-----	-----	-----
	Ph.D.	<i>Ph.D.</i>	<i>4 term for full time 6 term for part time</i>	<i>M.Sc.</i>	<i>English</i>	-----	<i>02</i>

	M.Phil.	----	-----	-----	-----	-----	-----
	Certificate courses	----	-----	-----	-----	-----	-----
	UG Diploma	----	-----	-----	-----	-----	-----
	PG Diploma	----	-----	-----	-----	-----	-----
	Any Other (specify and provide details)	----	-----	-----	-----	-----	-----

13. Does the college offer self-financed Programmes?

Yes ☒ No

If yes, how many?

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

Yes No ☒ Number

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

Particulars	UG	PG	Research
Science	√	-----	√
Arts	-----	-----	-----
Commerce	-----	-----	-----
Any other not covered above	-----	-----	-----

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, and 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).....*NA*.....
(dd / mm / yyyy)

and number of batches that completed the Programme

b. NCTE recognition details (if applicable) *NA*

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
Sanctioned by the ~~UGC / University~~ / State Government <i>Recruited</i>	----	----	39	13	3	1 <i>Part time</i>	6 <i>Class-3</i> 14 <i>Class-4</i>	1	6	----

Positions	Teaching faculty									
Yet to recruit										
Sanctioned by the Management/society or other authorized bodies	----	----	----	----	9	2	8	----	----	----
Recruited					Adh oc	Adh oc	Class-4 5 Class-4 Adhoc			
Yet to recruit										

***M-Male *F-Female**

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc. / D.Litt.							
Ph.D.			23	7			30
M.Phil.				1			1
PG			14	8			22
Temporary teachers [Adhyapak sahayak]							
Ph.D.					2		2
M.Phil.							
PG							
Part-time teachers							
Ph.D.							
M.Phil.							
PG					1		1

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

01 [IC]

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

Categories	Year 1[08-09]		Year 2[09-10]		Year 3[10-11]		Year 4[11-12]	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	22	24	15	17	18	21	47	49
ST	18	19	06	17	22	21	30	30
OBC	135	88	108	72	174	87	202	99
General	653	528	676	684	667	528	612	479
Others [Muslim]	12	11	13	10	14	09	14	06
Foreign+ NRI	00	3	00	00	00	01	00	01

24. Details on students enrollment in the college during the current Academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	1357	Nil	Nil	2	1358
Students from other states of India	15	Nil	Nil	Nil	15
NRI students	Nil	Nil	Nil	Nil	Nil
Foreign students		Nil	Nil	Nil	Nil
Total					1374

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

UG

12% *

PG

**this because these students had left the college to take admission in professional courses.*

26. Unit Cost of Education

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

(a) Including the salary component

Rs.39557.32

(b) Excluding the salary component

Rs.1688.59

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.

N/A

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

In year: 2011-12

Student teachers ratio was 23:1

Programme wise ratio year 2011-12

Sr.No	Programme	Students Teachers ratio
1.	Chemistry	87 : 1
2.	Physics	26 : 1
3.	Industrial Chemistry	19 : 1
4.	Mathematics	68 :1
5.	Electronics	7 : 1
6.	Computer Science	18 : 1
7.	Microbiology	24 : 1
8.	Biology	27 : 1

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++**

Cycle 2: (dd / mm / yyyy) Accreditation

Outcome / Result.....

Cycle 3: (dd / mm / yyyy) Accreditation

Outcome / Result.....

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

Annexure-1-b and 2.

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

284

32. Number of teaching days during the last academic year

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

215

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

IQAC : 28 /02 /2008

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

AQAR (i) 30/04/2008

AQAR (ii) 06/08/2009

AQAR (iii) 19/04/2010

AQAR (iv) 01/04/2011

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

C. 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 add significantly to our enduring civilizational tradition of pioneering excellence in learning, knowledge, enlightenment and self realization, in a universally relevant context.

Mission:

We dedicate ourselves to the perpetuation our founders' vision of providing the infrastructure ,facilities, operating conditions and overall environment conducive to the education of young scholars, along with the desired physical, mental and character building inputs; we firmly renew our commitment to providing value added globally relevant education with an emphasis on the techno management domain to ensure that our scholars fruit fully exercise their knowledge skills and values in the global economy.

Goals and Objectives:

- a) *To create and nourish a stimulating learning environment that ensures a globally relevant education, based on eternal human values.*
- b) *To forge and reward excellence in the curricular as well as extra-curricular sectors so as to ensure the scholars' global competitiveness.*

- c) *To tap, nurture and unleash the innovative entrepreneurial abilities of scholars and thereby ensuring lifelong socio-economic value- addition.*
- d) *To evoke and embellish the finest traits of human excellence that can dovetail into a sustainable career growth curve.*
- e) *To affiliate, associate, liaise or otherwise synergize with any institution body, entity, ethno-cultural Diaspora and the overall global fraternity in any form whatsoever, in support of the above.*
To initiate, consolidate and extrapolate any objectives, function and activities in support of the above.

Our college follows the above mentioned vision and mission in letter and spirit. Ours is a secular institution whose focus is on imparting quality education in the field of pure sciences which gives an opportunity to our young graduates to expand the knowledge and skills gained for higher studies. Moreover, the faculty is always keen to upgrade themselves and always strive to improve the curriculum to make it relevant the changing times. The college also gives ample opportunities for the overall development of the students by allowing the students to participate in various sports events, academic meets and cultural events. We have also initiated a personality development programme because we do believe that a student is shaped by many more things besides academics. It is said that future leaders of the nation are born in educational institutions. So by making the students a part of the Students' Central Committee we give them the responsibility to manage and organize various events in the college. This platform throws up future leaders, and managers besides building the character.

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

The curriculum is provided by the University and deployed as follows.

The college time table committee plans the schedule for teaching process according to UGC and State Government Resolution.

The Heads of Departments allot teaching duties as per 16 hrs per teacher initially, In case the workload is more, then the teacher available in the department is given few more lectures. Teachers have to maintain a teachers' diary and if on leave have to mention adjustment classes in the leave report. In some instances, where the government has sanctioned no posts, Ad Hoc teachers are appointed by the management.

For example, in the department of Mathematics and Statistics, five ad hoc teachers have been appointed by the management.

In the department of Industrial Chemistry and English the management has transferred the supernumerary teacher from their self-financed College.

Most of the teachers teach with the help of ICT facility along with chalk and talk method.

In the semester I and II study materials are provided for easy familiarization of students in the college and later students are motivated to use our rich library.

Our special book bank facility is very useful to students in which students are allowed to use books for all two semesters with nominal wear tear charges.

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

The teachers receive support in form of healthy environment, the ICT facility in each class room, desktop computer and lap tops, printing and scanning facility in each dept. The institution also provides financial support to prepare study material for the students. The college also provides library budget to buy reference books and also provides funds for miscellaneous expenses. Departments are allowed to invite guest faculty/expert related to their course.

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.

Our management took initiative to implement CBCS curriculum and our faculty members supported to implement it and showed healthy eagerness to frame CBCS curriculum.

Many (20) of our faculties are Members Board of Studies and are involved in designing the syllabus. The Physics Dept. organized a workshop to frame syllabus for Semester III to Semester VI. Other teachers attended workshops in other institutions for the same purpose. Teachers of various dept. met their counterparts from other institutions informally on many occasions to chalk out the most effective way of implementing the syllabus.

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?

Our main interaction is with the university Board of Studies, faculty and Academic Council in effective operationalization of the curriculum.

During industrial visits, faculties do interact with experts on how to improve the syllabus. Similarly experts coming for invited talks [usually from university or research organization] were asked suggestions to improve the syllabus.

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.

20 senior faculty members are in BoS are in constant touch with students and teachers teaching their papers. The members of the BoS meet all the faculty members before they attend the BoS meeting. As stated earlier, industry and expert opinion are also collected to prepare the syllabus.

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

As we are affiliated to the university, we do not have the authority to design courses independently on our own.

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

The authorities and teachers of the college are doing their best to achieve the following goals. Let's have a look

- a) To create and nourish a stimulating learning environment that ensures a globally relevant education, based on eternal human values.

The teachers of the institute continue to be learners. More than 50% have a Ph.D and they are active in the field of research. The classrooms and laboratories conform with the government's push to increase ICT in teaching. The faculty keeps itself abreast with the changing scenario and demands. So they always try to bring relevance to the curriculum and teaching. Students are also encouraged to participate in NSS, NCC and sports to nurture their humanity, empathy towards societal causes, helpfulness, leadership and team spirit.

- b) To forge and reward excellence in the curricular as well as extra-curricular sectors so as to ensure the scholars' global competitiveness.

The college always encourages students to pursue excellence in curricular and co-curricular fields. These students are given prizes and certificates on annual day. The gold medalists' fees are waived for First SEM if they wish to pursue a PG course in a CVM run institution. Students excelling in the fields of sports and NCC are also similarly honoured. All this plays a vital role in making them strive for excellence and compete globally.

- c) To tap, nurture and unleash the innovative entrepreneurial abilities of scholars and thereby ensuring lifelong socio-economic value- addition.

The students are also guided by the senior faculty members. To nurture entrepreneurial abilities, educational visits to industries are organized.

- d) To evoke and embellish the finest traits of human excellence that can dovetail into a sustainable career growth curve.

Students are given training in personality development and group discussion and interview skills.

- e) To affiliate, associate, liaise or otherwise synergize with any institution body, entity, ethno-cultural Diaspora and the overall global fraternity in any form whatsoever, in support of the above. To initiate, consolidate and extrapolate any objectives, function and activities in support of the above.

The college has always focused on all round development/holistic growth of the students to prepare them for the ever changing scenario viz. Sciences. Needless to say, academic endeavors are given top priority. At the same time a lot of weightage is given to co and extra-curricular activities that play an equally significant role in shaping the youth. Like our founding fathers, we are also of the belief that the youth are a precious human resource that needs to be nurtured. The youth are the ambassadors of change and nation building.

We therefore, offer vocational courses, Personality Development programmes, encourage participation in cultural fests, run a counseling cell, listen and try to resolve student grievances to achieve our stated goals and objectives.

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 following Vocational/skill development courses are offered by the institute. The details of each course are available in college prospectus attached with this report.

1) BCA [VI semesters degree course]

Objectives:

- To prepare students in the field of computer applications for jobs as well as further studies.*
- To give them exposure to financial accounting and management*

2) Industrial chemistry[VI semesters degree course]

Objectives:

- To prepare students for all departments of the chemical industry like production, quality control, effluent treatment and marketing.*
- To prepare students in the field of Industrial chemistry for jobs as well as further studies.*

3) Instrumentation[VI semesters degree course]

Objectives:

- To prepare students in the field of Instrumentation for jobs as well as further studies
- To prepare students for to work in industries that are automated like biomedical fields space applications, automobile industries, defense application.

4) Personality development Programme[PDP]: [short term seven day course]

- To ensure all round development of students and to make them confident and independent thinkers.

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

N/A

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

Annexure-3

- Range of Core / Elective options offered by the University and those opted by the college
- Choice Based Credit System and range of subject options
- Courses offered in modular form N/A
- Credit transfer and accumulation facility N/A
- Lateral and vertical mobility within and across programmes and courses

- *The students are allowed to change courses in sem III. A student can change the core subject if there is a vacancy in the required group and if he/she fulfills the conditions.*
- **Enrichment courses**
 - *Personality development Programme[PDP]: [short term seven day course]*
 - *SCOPE[Society for Creation of Opportunity through proficiency in English]*

Since the information is quite lengthy we have attached the college prospectus.

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.

Sr.No.	Course	Fees Per Annum [Rs]	Teacher Qualifications	Salary
1.	BCA	41,500	As per UGC/ university norms. [MCA]	As per Govt/CVM norms
2.	Instrumentation (vocational)	21,500	As per UGC/ university norms.[M.Sc]	As per Govt/CVM norms
3.	Industrial chemistry (vocational)	21,500	As per UGC/ university norms.[M.Sc]	As per Govt/CVM norms

- *For admission to Industrial Chemistry and Instrumentation, the eligibility criteria is HSC with Science.*

- *For BCA, the eligibility criteria are the HSC in any stream but the students must have passed English and Mathematics/ Computer science/Math and Statistics combined, / Economic Statistics/ Economic Mathematics.*
- *The admission is as per the norms and merit, and the cut off percentage is decided by the management. However, students who have passed HSC from CVM institution are given first preference.*

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 is a centre for SCOPE. SCOPE means Society for Creation of Opportunities through Proficiency in English. This is a Govt. of Gujarat Initiative. This aims to improve the English language skills of students to increase their employability. the Government has an MoU with University of Cambridge to conduct the test of English language for a nominal fee. The certificate of proficiency is issued by the University of Cambridge. This college is a SCOPE center. Therefore the govt. has given a digital lab to the college with 25 computers and English language software and 5 mbps internet connection.

Till date more than 400 students have taken the SCOPE test.

The management also has a tie up with Globe Arena to provide Personality development Programme, Group Discussion Skills and Interview skills.

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

Yes the University does provide such flexibility and students are allowed to do any other courses from IGNOU /Open University along with their regular course. Notifications IGNOU and other open Universities are displayed on the Students’ Notice Board to convey the information to the students.

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 Institution follows the curriculum framed by the university. The institutions goals, as mentioned earlier, are to ensure that students become independent learners and the objectives are achieved.

The detailed programmes are attached in annexure -3

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

Students’ feedback is taken every year, even at the time of teaching process interactions with students regarding curriculum is taken into consideration.

As mentioned earlier, our institute has a highly experienced faculty and 20 faculties are nominated members of Board of Studies and who are able to convey the feelings of students to the chairman BoS.

Many students every year are employed by several industries like reliance etc, but most of them go for higher studies.

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?

Our institution is a science college and environmental education is the part of their study as an elective subject. Besides, science students are well aware of other components like climate change, gender issues, human rights as these are a part of the co-curricular activities like Nature club, NSS etc. ICT is offered as a foundation course in semester I and II.

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

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

As a science college we motivate students towards co-curricular activities NSS, NCC, Sports, Nature club, UDISHA the online employment portal of government of Gujarat. All these activities help shape the students' personality and help them to relate to the community they live in

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

IQAC arranges a meeting of stakeholders twice in a year to receive feedback from them. The members [pls. refer 6.5.1 c] are highly reputed and eminent scholars of their subjects. Moreover, they are attached to the institution, CVM, University and Vallabh Vidyanagar academically, administratively and emotionally. Their valuable feedback is used by the IQAC

For example

- *Environmental study' was discussed in the IQAC meeting and was also conveyed the same to BoS and presently it in the curriculum as an elective paper.*
- *The Curriculum of elective courses is also suggested by the stakeholders.*

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

The institution relies on feedback from students and some extents from teachers to monitor and evaluate the enrichment Programme like PDP which is offered in the college.

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?

As mentioned earlier our 20 teachers are the part of the BoS in different subjects in the university as well as two are senate members, are capable enough to raise their voice in the board meetings and senate meetings during the development of the curriculum

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

Faculty members discuss their issues regarding curriculum with members of BoS in the institute. The same are discussed by the members of the board of studies during the BoS meetings to improve/alter the curriculum. The curricular issues are also discussed during IQAC meetings.

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?)

Nil

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

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

Being among the oldest and prestigious colleges of Gujarat [three times best science college award, CPE, NAAC B⁺⁺] the college does not need any publicity as such. However, the dates of the admission process are displayed on the college website. This process starts immediately after the declaration of XII Science results in the state. The admissions are merit based the cutoff of which is decided collectively by the management and the institution.

All SC/ST/OBC category students are given admission as per the policy of Central and State Government.

It needs to be mention here that students who have passed the board exams from a CVM school [C V M higher secondary complex science stream] are given preference in admission.

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.

As mentioned in 2.1.1. Moreover admission in semester III is based on II sem result. During the admission process, teachers counsel the students and also interview them and based on their merit and group, they are given admission to various subjects. [Please refer to annexure-3 for detailed information about group]

- 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.

The merit is dynamic i.e. the merit is lowered or raised as per the seats available. The minimum percentage require for admission to B.Sc. Semester I was 60%for both Mathematics and Biology group.

The other colleges of the affiliating university within the city give admissions on first come first serve bases.

- 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?

The heads of various departments, in consultation with the Principal, review the process for admissions to semester I. For admissions to semester III, committees are formed for various courses and decide the merit.

- 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

** SC / ST: Merit is not considered for students of this category. The college also offers free remedial/coaching classes to improve there performance*

- * OBC: *Merit is not considered for students of this category.*
- * Women: *Girls students enjoy equal opportunities*
- * Differently abled: *Merit is not considered for students of this category.*
- * Economically weaker sections: *such students are given financial assistance to enable them to study*
- * Minority community: *Students enjoy equal opportunities*
- * Any other: *The percentage of SC/ST/OBC students is gradually increasing in the institution*

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.

Now a days the students are attracted towards professional courses like engineering, medical, paramedical, diploma courses etc. So over all student enrollments is decreasing in the pure science stream in Gujarat. But our institution is one of the best institutions and also got best Science College Award of Gujarat three times. . This reputation attracts students to the college and therefore, there has never been a problem of inadequate admissions.

Programmes	Number of applications	Number of students admitted	Demand Ratio
<i>UG</i>			
1, 2008-09	2001	1509	1.32
2, 2009-10	1939	1518	1.27
3, 2010-11	2190	1561	1.40
4, 2011-12	2218	1569	1.41
<i>PG</i>			
1			
2			
3			
<i>M.Phil.</i>			

Programmes	Number of applications	Number of students admitted	Demand Ratio
<i>Ph.D.</i>			
<i>Integrated PG Ph.D.</i>			
<i>Value added</i> 1 2 3			
<i>Certificate</i> 1 2 3			
<i>Diploma</i> 1 2			
<i>PG Diploma</i> 1 2 3			
<i>Any other</i> 1 2 3			

2.2 Catering to Diverse Needs of Students

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

The institution has made arrangements to enable differently abled students to enter college premises and a wheel chair is also readily available. It must be mentioned here that this campus also houses out-station students. Therefore, parents of differently abled students prefer to educate their wards closer home rather than sending them away. That is a reason why the number differently abled students are very low.

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.

The college does not have a system to assess the student before commencement of programme. But we do conduct extra classes for those who are found to be weak in particular area.

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

At the entry level, many of students are from regional language i.e. Gujarati. These students need to cope with English medium instructions. So in the beginning, teachers adopt a bilingual approach to acclimatize students to the class room environment. Moreover, we also have a system of conducting remedial classes.

Our English department is very enthusiastic to solve this gap between language with the help of government and management we have been able to establish English language laboratory and a add on course like SCOPE [society for creation of opportunities through proficiency in English] was started.

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

The college has an unwritten policy of giving equal opportunities and privileges to staff and students respectively irrespective of their gender. For instance, our college has nominated a lady faculty member to the senate and previous year a girl student was the General Secretary of the college central committee. Besides, girls also have a class representative and

Ladies' Representative. Girls also enjoy equal opportunity of becoming the student secretary of different portfolios of the College Central Committee. The college runs a Women's Cell to address the issues related to girl students.

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

The Institution developed counseling cell with 1:25 teacher students' ratio. The teacher counselor is able to identify enthusiastic students who are eager to learn and facilitate him/her with appropriate environment. Students are encouraged to participate in scientific paper writing competitions.

For example, every year students are sent to take part in various scientific research papers writing competition and win prizes.

Students who are interested in the subject of wild life are sent to join workshops for animal census and they also get certificate for it.

Students who are interested in industrial field are sent for training in different industries.

Our library has many books and magazines related to entry in services.

Not only students, but faculty members are also encouraged for active participation in various workshops, conferences, and seminar by giving those PTAC grants.

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.)?

Teacher counselors are well aware of performance of the students. They keep evaluating the students by asking questions in class rooms, conducting unit test, giving them assignments and discussing question paper and result of internal test.

Remedial classes are arranged for weaker students, if it is found he/she is not able to attend remedial classes, personal care is to taken by teachers wherever possible.

During the time of admission, category mentioned in the admission form by students help the college to identify the students and they are counseled by office persons and teachers to get economic help from government through various scholarships.

The drop out ratio is high in first semester mostly with students having higher percentage and who wish to join several professional courses and 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 institution prepares an academic calendar in accordance with the University, which is handed over to each student at the time of admission. [College prospectus]

Teacher's diary is maintained by every faculty member for teaching plan and it is regularly signed by the principal.

College also plans for continuous evaluation for the students by taking unit test, assignment, and internal test within prescribed scheduled.

Students of III, IV, V and VI semester are given project work.

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

The coordinator of IQAC is invited to heads' meeting with the Principal for suggestion in the development of the institution.

As the coordinator is in live contact with each department, teacher and student, he/she is able to analyze and understand the needs of institution, teachers and students.

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?

The focus of the college is on students' from the time they come for admission. We counsel them about courses available to them and future prospects. We also conduct an orientation programme for them to give them a good idea about the examination system and other activities like counseling, sports, NCC, and NSS. Ours is a college that offers degree courses primarily in pure sciences. Therefore, many students join late after they have exhausted their options of joining a professional course. We conduct special remedial classes for them and also for those who have failed to clear some papers. To make students focus on each units, they are given unit wise assignments which are based on examination pattern. The students are given project and group work and seminar presentation. This encourages independent learning and group work. The library facilitates learning by giving them book bank facility. Under this scheme students can keep a certain number of books for the entire term. We give arrear exam to those students who could not appear for regular exams due to medical reasons or due to their participation in sports/ NCC/NSS or

cultural activities.

The college allows and encourages teachers by giving them duty leave to participate in Seminar/ conference, work shop, Orientation Courses and, Refresher Courses. It also organizes training programme for faculties' through Globe Arena, to develop their skills and competence.

The college on its part pays remuneration to teachers for their extra efforts and provides photo copying and scanning and printing facility in each department beside a laptop and an internet connection.

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 given seminar topics and project work that encourages critical thinking. Moreover, the college has a Science Association and Debate Club that conducts various programmes and facilitates students' participation other inter college and Intra college activities. Additionally, departments like Zoology, Botany, Electronics, Physics, Chemistry, Microbiology, and Industrial Chemistry are actively involved in research. This rubs on to the students as well and they are inspired to take up research in future.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? E.g.: 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.

Majority of class rooms and laboratories are equipped with multimedia

projectors and ICT facility.

Laptops are given to each department and the laptops which are bought by the teachers in their projects are also used to teach students.

Our college is one of the few colleges in which an associate professor received a pilot project of NME-ICT [Rs.7, 00,000/-] in the subject of Zoology, and in NPETL.

Link: www.zoologyexperiments.com

One of the faculties from Physics also uploaded e-content on wiki-ict

Link:

http://202.141.40.218/wiki/index.php/Introduction_to_Solid_State_Physics

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

We have regularly organized lectures by Visiting faculty, experts' lectures, celebration of subject's day, seminars, science fair, Projects etc. Students are sent to participate in scientific events like seminar, conferences with teachers.

20 excursions and educational tours were organized in the subject of Biology, Chemistry, Industrial Chemistry, Physics and Microbiology.

Faculty members are very active in our institution with regard to presenting papers in international/national conference, seminars, participating in workshops and visiting abroad to attend conferences and workshops.

- 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 advice) provided to students?

Our institute arranges Personality Development Programme [PDP], Career development counseling [CDC] with the collaboration of management to all the students from I semester to VI semester.

Our college organizes career counseling by arranging expert lectures for students of semester III to VI semester.

Our institute is associated with UDISHA a Government of Gujarat initiative, where students are given exposure to job market and related training.

- 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?

College has installed multimedia projectors in majority class rooms and each department has been provided with the laptop to facilitate teaching through ICT. Students are also taught by teaching to learn. This is done through a system of seminar/ project presentation by students where in each group or individual is given a topic. This approach has proved to be very effective because students learn to research and mine for data and present it logically. This process aids learning.

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

- *There is book bank of each subject for B.Sc.[V and VI semester] under this system some books are issued to each student for the*

whole year at nominal charges.

- *Other students of B.Sc. [I to IV semester] are also issued two books for fifteen days at a time.*
- *The library is connected to INFLIBNET which opens a pool of resource for students as well as faculty.*
- *The library is fully computerized which makes the library more accessible. The process has been digitalized.*
- *The library building also houses a reading room with a seating capacity of 150 students that allows students to use their free time to sit and study there.*
- *Ten computers have been provided for the students for the INFLIBNET purposes.*

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.

By and large the institution does succeed in completing the curriculum within the planned time frame and calendar. In situations where there is shortage of time due to unavoidable circumstances viz. natural disaster, infrastructure up gradation the faculty engages extra classes even on Sundays to complete the curriculum.

Whenever a faculty is on leave some alternate arrangement is always made so that the teaching does not suffer.

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

Students are given feedback forms about different aspects of teachers and

their teaching. If any teacher is not at the satisfactory level, the Principal advises them by talking to him/her personally.

Suggestion boxes are placed at different location in the college building to enable students to give their suggestions about various aspects.

Teachers are also asked to fill self-appraisal forms.

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

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.			23	7			30
M.Phil.				1			1
PG			14	8			22
Temporary teachers [Adhyapak sahayak]							
Ph.D.					2		2
M.Phil.							
PG							
Part-time teachers							
Ph.D.							
M.Phil.							
PG					1		1

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.

Ours is a college that imparts under graduate programmes primarily in pure sciences. We do not run applied courses like the ones mentioned above. Our management has set up separate self financed institutions catering to Biosciences and IT.

However, the college does run vocational courses on self-finance basis like Industrial Chemistry [vocational], Instrumentation [vocational], and BCA for which the management has appointed qualified faculty.

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.

Most the faculties in the college are permanent and have done all the refresher course and orientation courses much earlier. However, teachers do attend various seminars, conferences and workshops, HRD programmes conducted by various institutions from time to time.

a) Nomination to staff development programmes

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	00*
HRD programmes	00
Orientation programmes	04**
Staff training conducted by the university	02
Staff training conducted by other institutions	04 [CCC exam]
Summer / winter schools, workshops, etc.	12 [work shop]

** All faculty members have already completed their required number of courses.*

*** Others have already completed the Orientation course as required.*

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

A three Day KMPF [Knowledge Management Programme for Faculty], initiated and funded by KCG, Govt. of Gujarat, was organized for the entire faculty in the college and the below mentioned points were covered in the same

- Teaching learning methods / approaches
- Handling new curriculum
- Content / knowledge management
- Selection, development and use of enrichment materials
- Assessment
- Cross cutting issues
- Audio Visual Aids / multimedia
- OER's
- Teaching learning material development, selection and use

c) Percentage of faculty

- * invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies

14.28 %

- * 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

42.85 %

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

Teachers were provided grants to the tune Rs. 90,000 to attend and present papers in seminars/workshops/ conferences to cover TA, DA and registration.

As per the UGC guidelines if a teacher wishes to take study leave the college permits a faculty for study leave.

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.

One faculty received an award at Delhi for excellence in teaching “the Bharat Shiksha Ratan Award” from Global Society for Health and Educational Growth, New Delhi.

Dr A R Jivani received two Awards for best research papers

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?

The institution does evaluate teachers through Students Feedback Form. If any teacher's work is found to be unsatisfactory as per feedback, the Principal personally talks to him/her to discuss the issue.

The forms are analyzed by the Principal and also collect suggestions from the heads of departments and later on are implemented in the teaching process.

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?

At the beginning of the academic year, a detailed Orientation Programme is organized for the benefit of the new students where they are informed about all the policies and systems. Whenever there are some changes, the staff is also informed about the same which they pass on to the Students Parents are important stakeholders and they are informed about the policies, rules and regulations during the Parent-Teachers' Meeting.

- 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?

Our management took the initiative for introduction for the CBCS system in the colleges. Since the introduction of the CBCS the internal evaluation has seen a major change. The internal evaluation also includes unit wise assignments/ projects, besides examinations. Each paper now

has a compulsory multiple choice questions [MCQs] and in order to improve the students' performance in this section, we have started giving practice to students by using OMR sheets.

Allotment of marks per question has been reduced. Moreover, instead of focusing on one major question per unit, more questions are asked per unit with lesser allocation of marks.

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?

As decided in the BOS and Academic Council, teachers are informed in writing about the guidelines suggested by the above mentioned bodies regarding the patterns of question papers.

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

Students have to give Seminars, presentations, quizzes and assignments as part of formative evaluation.

This ensures that students remain in touch with their studies and also do some self study. This also helps the teachers to identify students who need more help and address their needs

The changes in the paper pattern have ensured that the marks allotment per question is divided into several questions instead of one. These have resulted in giving the students more opportunities of doing well in each unit.

- 2.5.5 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the 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.

Students are monitored by counselor as well as by the concerned subject teacher. During the class interaction and after the unit test if the students are found to be weak/scholar/studious, personal care taken by the department.

The results are analyzed by the heads of the departments and a decision is taken to start remedial classes.

Extra assignments and practices are given to students we found so as to get good results in next exams. Scholar students are encouraged to compete at university exams and we take pride in mentioning that here every year almost all gold medals are bagged by the institution.

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

The college has a practice of showing answer sheets to the students after every exam and even in unit test. It helps students to improve the mistakes made in answer sheets.

Students are given weightage for independent learning like projects,

assignment, and attendants.

Those Students who are involved in co-curricular and extracurricular activities are given flexibility in attendance.

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

The institution does consider the assessment/evaluation as an indicator for students' performance .After every assessment, papers are shown to students and best written answer sheets are shown to students. Moreover students are given feedback about their short comings and how to study and perform for better results.

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

As mentioned above, after every evaluation the assessed answer sheets are shown to students and their grievances are addressed if there are any. As far as university exams are concerned, students can apply for reevaluation [within the stipulated period of time and for a fee] of their answer books if they are not satisfied with the results. In case there is a change in marks, the students are issued with a fresh mark sheet.

2.6 Student performance and Learning Outcomes

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

Yes the college does have clearly stated outcomes. The syllabus prepared and approved by the board of studies clearly states the objectives and outcomes. This syllabus of each paper is circulated among all the concerned staff members. The same is also put on the college website. The teachers teaching a particular course make the students aware of the outcomes.

Results are one of the learning outcomes which convey to the students by showing them their answer sheet and results.

Comparative results are discussed in Heads' and Staff Meetings for future policies.

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

Care is taken to ensure that the syllabus is completed well in time. The college also ensures that no class remains unengaged. If a teacher is on leave, someone else will definitely fruitfully engaged that period. In fact, the leave report is not deemed to be complete if it does not show an alternate arrangement. Assignments are also given for each paper according to university exam pattern to reinforce the class room teaching.

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

The courses which are offered are mostly in pure sciences. A degree in these courses does prepare the students for higher learning. The college organizes seminars and talks for in collaboration with professional bodies

[medium, small and micro entrepreneurship, Ahmedabad.] and entrepreneurs to guide them about the future prospects in their fields. Most of the students choose to go for postgraduate studies. Many opt for professional courses and some set up their own industries.

Some of them are mentioned below:

- 1) Mr Manoj Mavani: Bhumi electrochem.*
- 2) Mr. Brijesh Parikh: Rasayan lab*
- 3) Mr Umesh Gondaliya: Riddhi Siddhi Chemicals*
- 4) Mr Arvind Vebariya: Disha associates*

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

The institution collects feedback form from students. If a major mass of students suggests any change, then the college takes initiative to reform the syllabus.

During teaching learning process, teachers are also able to find out the problems of completing courses of relevant subjects which they represent to other members of BOS.

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

The teachers of the college are aware of the learning outcomes. Every teacher has to write a teachers' diary for each day teaching and planning. This is regularly monitored by the Principal.

If the teaching learning process is disturbed by any natural calamities or assigned government duties, the college compensates by working on

Sundays or any other holidays.

2.6.6 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 is one of the prime colleges in the university campus and almost 20 teachers are the part of BOS. As mentioned above, several measures are taken by the college to implement at the time of the framing new syllabus.

These efforts help to improve attributes to attainment of students.

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

All the information has been already mentioned above.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

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

Yes the college does have recognized research centers for Chemistry, Industrial Chemistry, Microbiology, Physics and Electronics which are affiliated to Sardar Patel University, Vallabh Vidyanagar.

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.

College has a committee in place to monitor research in various disciplines. The Research Cell, as it is called in the college, is a Four Member Committee and headed by a senior faculty who has enough research experience. Few of the recommendations made by the research cell regarding research issues are as follows:

- 1) Up gradation of research facilities in laboratories.*
- 2) TA DA to be paid to researcher travelling for research, to present papers in seminars/conferences, attended and/or to resource person in workshops.*

Implementations:

All the above mentioned recommendations have been implemented.

Impact:

This has encouraged more participation in research activities and more papers have been published and presented at various academic meets.

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
- timely availability or release of resources
- adequate infrastructure and human resources
- time-off, reduced teaching load, special leave etc. to teachers
- support in terms of technology and information needs
- facilitate timely auditing and submission of utilization certificate to the funding authorities
- any other

The institution does support and encourage research in the following ways

1) Autonomy to the principal investigator:

The principal investigator/researcher enjoys complete autonomy in so far as his /her topic is concerned. Neither the management nor the Principal of the college interferes in his/her work.

2) Timely availability or release of resources:

As per the UGC norms a faculty has 40 hrs. consolidated workload per week. The research activity is carried in the same period. Resources are released as and when needed.

3) Adequate infrastructure and human resources:

There is enough infra-structure like research laboratories and ICT facilities, and human resources in the form of non teaching staff.

4) Time-off, reduced teaching load, special leave etc. to teachers

Teachers are encouraged by giving them special leave to attend conferences/seminars and even for visits abroad to

attend conferences/workshops. It must be mentioned here that teachers carry out their research activity in addition to the full work load allotted to them.

5) Support in terms of technology and information needs.

Every research laboratory and department is fully equipped with ICT facility.

6) Facilitate timely auditing and submission of utilization certificate to the funding authorities:

Yes, this is an essential part of the research, if it is carried out from research grant. Every teacher involved in research has to get their expenditure audited from a chartered accountant hired by the institution and submit the utilization certificate in time.

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

The college offers courses for the under graduate level, Most of the teachers are involved in research. As a result, students are also inspired to take interest in research automatically. Students are also encouraged to attend research seminar, conferences, workshops and several paper-writing competitions.

Projects, class room seminars etc. are regularly organized which helps in developing scientific temper.

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.

Sr.No.	Name of the Faculty	Department	No. of students guided for Ph.D	Project		Collaborative research
				Major	Minor	
1.	Dr B C Dixit	Chemistry	04		01	02
2.	Dr K D Patel	"	09			
3.	Dr Rajesh Parab	"			01	
4.	Dr H M Patel	"		01		
5.	Dr V K Sinha	Industrial Chemistry	09			
6.	Dr P M Patel	"	03	01		
7.	Dr Minaxi V Kumar	Electronics	05	01 DST		01
8.	Dr P M Patel	Physics			01	
9.	Dr J K Baria	"			01	01
10.	Dr A R Jivani	"			01	01
11.	Dr M V Mehta	"			01	
12.	Dr P S Vyas	"			01	01
13.	Dr T H Patel	"			01	
14.	Dr Nikunj Bhatt	Zoology		01	01	01
15.	Dr Nayana Brambhatt	Botany		01		
16.	Dr H N Patel	Microbiology	02		01	

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.

KMPF:

Objectives of the KMPF and the government's earnestness are the same because it is believed that if we have to progress in this technology driven world we cannot do without knowledge about Internet. At the same time

there is a realization that to use and share the vast amount of knowledge and information leading to creation of knowledge, communication skills in English is a must because of its global reach and functionality.

Therefore under the umbrella of Swarnim Gujarat, the Commissioner, Higher Education, Gandhinagar, has undertaken this ambitious project to train the college teachers in e- Skills and Communication skills in English

Conference:

The Physics Dept organized a National Conference on Recent Trends in Theoretical and Experimental Physics(NCRTTEP) which was attended by 310 researchers and scholars.

One Day seminar education and research: *The Electronics Department conducted a seminar on “Innovations in Collegiate Science Education and Research” to focus on motivating young science teachers, young researchers towards recent trends and developments in their subjects.*

International Year Of Chemistry [IYC]: *The UGC gave a grant of Rs. one lac to the college to celebrate the international year of Chemistry to commemorate the hundred years of Madam Curie receiving the Nobel. The objective was to raise awareness about chemistry. During this celebration, Chemical Science Exhibition, quiz, poster making and elocution competitions were held. The two-day long celebration was well attended by faculty and students from Anand, Vallabh Vidyanagar and other neighboring towns*

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

All the departments of the institution are involved in research viz. Chemistry, Industrial Chemistry, Electronics, Microbiology, Botany, Zoology and Physics

Sr.No	Subject	Expertise
1.	Chemistry	Organic/inorganic/Analytical/physical/ Polymer Chemistry
2.	Industrial chemistry	Polymer/dyes Chemistry
3.	Microbiology	Enzymology
4.	Botany	Algal Botany/bio remedy
5.	Zoology	Arachnology/ Ornithology
6.	Electronics	Atomic and Molecular Physics
7.	Physics	Solid state Physics / Solar /Atomic/ Molecular Condensed State Physics

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

Institution is very enthusiastic in the area of research. Many eminent researchers do visit the college to deliver guest lectures, and for seminars. Faculties and students are encouraged to visit various research departments like postgraduate departments, PRL, Plasma Research Institute, and industries.

- 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?
- After 2002 nobody used sabbatical for research. However, some teachers (7/56=12.5%) were granted special leave to visit foreign countries for research and to participate in conferences and workshops.*

These efforts encourage students to do research in our institution.

- 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)

Ours is a college that primarily offers U G courses in pure sciences. Hence, we do not directly apply the findings of the research to industry and community. However, our faculties from the departments like Botany Zoology, Chemistry, Industrial Chemistry, Physics and Microbiology are doing research that can be transferred to industries and students. These departments are also centers for PhD studies, where many students have completed their Ph Ds.

3.2 Resource Mobilization for Research

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

The budget is allotted for research from CPE grant, Project funds, and from fees collected from research students. The college provides physical facilities for research. In XI Plan, we received Rs.1 Crore ,out of which Rs 19 Lakhs were allotted for research (19%).We also received about Rs. 50 Lacs for different research projects funded by UGC,DST and MHRD.

- 3.2.2 Is there a provision in the institution Research 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?

The college budget does not permit allocation of funds as seed money for research to faculty. However, institution does provide physical facilities like research laboratory, ICT to facilitate research.

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

Our institution is not a centre for post graduate studies. It only caters to undergraduate studies and PhD. Therefore, there is no specific provision to fund student research.

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.

Currently no inter disciplinary projects are under way in the institution.

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

All the facilities are open to the entire faculty and the students. They make use of Internet facilities, multimedia projectors, equipments, DELL laboratory as and when required.

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.

Not applicable

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

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
				Sanctioned	Received	
<u>Minor projects</u>	1)2008-10	Screening isolation and Production of Alkaline Proteases Producing Actinomycetes	UGC	Rs97000	Rs97000	97000
	2)2009-11	Faunastic Study of Order Araneae from Shoolpaneshwar Wild Life sanctuary	UGC	Rs 80000	Rs 80000	75000
	3)2009-11	Collision Cross Sections of Electrons impact on Atoms and Molecules	UGC	71000	60000	60000
	4)2009-11	Theoretical Investigations of Ordered and Disordered Materials using various Simulation	UGC	100000	92000	92000

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
				Sanctioned	Received	
		Techniques				
	5)2010-12	Chemical synthesis and Characterization of Tin sulfide Thin Films	UGC	92500	92500	92500
	6)2009-11	Study of Certain Physical Properties of Industrial Important alloys and compounds of semi-conductors using Pseudo potential theory	UGC	80000	65000	65000
	7)2010-12	Study of long term variation in Solar coronal rotation	UGC	75000	73000	73000
	8)2009-11	Theoretical investigations of elastic, thermodynamical and electronic properties of few semiconductors using higher-order perturbation theory	UGC	70000	60000	60000
	9)2009-11	Newly synthesized Bis-azo acid dyes and their application on wool and nylon fibre	UGC	25000	25000	25000
	10)2006-08	Synthesis and	UGC	25000	250000	25000

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
				Sanctioned	Received	
		dyeing performance of Bis-azo acid and disperse dyes based on 4-amino-2,4'-dyechlorophenyl ether				
<u>Major projects</u>	1) 2009-12	Bioremediation of heavy metals from Industrial Contaminated waste water by Algal Biomass	UGC	657300	657300	657300
	2) 2012-15	Study of some Physical Properties of Transition Metals & their alloys using molecular dynamics simulation Techniques	UGC	1100000	-----	-----
	3)2008-11	Novel Biologically active Amino acid linked heterocyclic compounds: Synthesis Characterization and their Invitro Evaluation	UGC	6,87,800	6,87,800	6,87,800
	4)2007-11	Scattering Of Electrons with molecules of Biological relevance and	UGC	5,92,800	5,92,800	5,92,800

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
				Sanctioned	Received	
		targets of Industrial applications-A Theoretical Study				
	5)2010-13	Theoretical Investigation of the Electron Impact collisions studies for Molecules of Atmospheric, Industrial and Biological Importance	DST	15,00200	11,50,000	11,50,000
Interdisciplinary projects	-----	-----	-----	-----	-----	-----
Industry sponsored	-----	-----	-----	-----	-----	-----
Students' research projects	-----	-----	-----	-----	-----	-----
Any other (specify)	2011-12	e-Content of Zoology Experiments	MHR D	700000	700000	7,00,000

3.3 Research Facilities

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

Laboratories were upgraded to equip them for research. Facilities like working space, ICT facilities, INFLIBNET and library facilities have also

been provided to research scholars.

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

The college is well equipped with research facilities and upgraded with funds of CPE.

The faculties members are involved in their field of research and are provided conducive environment to carry out their work

For ex. Teachers are permitted to attend work shop, conferences at State level National level and abroad

- 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.

N / A

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

The management had set up SICART in collaboration with DST to facilitate various kind of research and testing for researchers in and around the campus. This facility is one of its kinds in the entire western region. Researchers can avail of these facilities at nominal charges.

Major facilities like SEM [scanning electron microscope], TEM [transmission electron microscope], HPLC [High Proficiencies Liquid

Chromatography], Gas Chromatography, tensile testing [for steel, rubber and plastic] are available here.

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

As mentioned earlier, researchers have been allotted a space in the library for INFLIBNET purpose. The University Library is also available for researchers.

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.

The Government of Gujarat has allotted a special grant Rs 15 lakh to establish a soil testing laboratory. From this grant the following were purchased: ph meter, conductometer, Flame photometer, shaker, colorimeter, computer, printer and store well. This equipment is also used for research in the college.

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)
- * Original research contributing to product improvement
- * Research studies or surveys benefiting the community or improving the services
- * Research inputs contributing to new initiatives and social

development

N/A

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?

At present no such work is going on.

3.4.3 Give details of publications by the faculty and students:

* Publication per faculty

Average publication per faculty is: 208 publications since 2007 and no. of faculty are 56. 3.71 publications /faculty.123 papers were presented in various national and international conferences/seminars and workshops. The ratio works out to 2.19 presentations per faculty.

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

208 papers have been published in 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.)

Sr.No.	Name of faculty	scopus	Science direct
1	Bharat Dixit	41	1
2	P S Vyas	6	1
3	P M Patel	26	

4	<i>K D Patel</i>	10	
5	<i>J K Baria</i>	25	
6	<i>H M Patel</i>	6	1

* Monographs *None*

* Chapter in Books

- 1) *Dr Nikunj Bhatt wrote a chapter in a text book of Zoology published by Department of Higher education. Govt. Of Gujarat.*
- 2) *Teachers from Department of Chemistry, Physics, Biology and Mathematics are co-authors in reference books(BSc Students) published by Atul Prakashan. Ahmedabad.*

* Books Edited

* Books with ISBN / ISSN numbers with details of publishers

Two books

* Citation Index

* SNIP

* SJR

* Impact factor

Yes almost all journals have impact factor.

* h-index

3.4.4 Provide details (if any) of

* research awards received by the faculty

A faculty from Botany, Dr Nayana Brahmbhatt, has received an award 'Bharat Shiksha Ratan Award" from Global Society for Health and Educational Growth.

Dr.A R Jivani of the Physics Dept. received Sardar Patel Research Award for best research paper [First Prize] , and Mulajibhai Jibhai Patel Research Award for best research paper [Second Prize]

- Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally.

None

- * Incentives given to faculty for receiving state, national and international recognitions for research contributions.

There is no such policy to give incentives/credit to faculty in grant in aid colleges.

3.5 Consultancy

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

The college has a rich history of 65 years and has produced alumni who have made a name for themselves in all walks of life. Many of our alumni are now industrialists and they are in touch with the senior teachers of college for any help they can give and further development whenever required.

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 such kind of policy but our expertise in Industrial Chemistry, Chemistry, Microbiology and Zoology are very helpful/useful to entrepreneurs

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

The Institute never interferes with the staff who wishes to share his/her expertise with entrepreneurs.

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

Though the staff is involved in consultancy, no money is charged. Hence no revenue is generated.

- 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?

As mentioned above, since no income is generated the question of institution sharing any income does not arise.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

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

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. They are as follows

- 1) NSS unit is actively performing the leading role in the community services. The unit arranges camps every year with at least 100 students for 10 days. During camping students are guided to perform several activities like health awareness, arranging medical checkup camps, Diabetes and Cholesterol checkup for staff at free of cost or at nominal rates. Lectures are also arranged by eminent spiritual orators like Shree Ravishanker.*
- 2) Students are encouraged to participate in Medical checkup camps for Thalassemia, eye check up camps, blood donation camps every year.*
- 3) The NSS also observes and celebrates designated days like Sadbhavana Divas, Youth Day.*
- 4) Under CPE, the college will adopt a village and conduct various programmes to create awareness about health, education, superstition, social equality and save girl child.*
- 5) NCC unit of the college encourages cadets to participate in National Integration Camps, Army Attach Camps, CATC, RCTC, RDC and International Youth Exchange Programmes.*
- 6) The NCC gives the Guard of Honour to the Hon'ble Governor in the University on the day of Convocation every year.*
- 7) 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?

Every year students taking admission to the first semester have to compulsorily register either in NSS, NCC or Sports. Both NSS and NCC promote good values, discipline and citizenship roles. Those who enrolled in these units have to fill forms with all the important details and they are encouraged to join various activities which are conducted under the auspices of NSS and NCC. These are enrolled in NSS on voluntary basis and an orientation is given about NSS and its activities. The same students are then groomed and given responsibilities that shape their personalities.

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

The institution values feedback from all stakeholders. Therefore the management holds meetings with the principal and the faculty. The college organizes Parents' Teachers meeting. Students are asked to fill feedback forms with their opinions about teaching, teachers and facilities. We have also installed suggestion boxes to enable students to give suggestions to improve the system.

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

<i>S No</i>	<i>Year</i>	<i>Expenditure</i>
1	2007-08	9927
2	2008-09	8000
3	2009-10	12839
4	2010-11	72724
5	2011-12	72000

The NSS unit plans and organizes one day camps as well as a 10 Day Annual Camp . All the camps are finalized after the NSS coordinator and NSS committee have a detailed discussion with 'sarpanch' of surrounding villages.

Through these outreach programmes, students become aware of many aspects of rural life. They also learn about the challenges the people of the villages face. This gives them fresh perspectives about life and the facilities that they take for granted. Students also learn about handling responsibility and the importance of team work, and other social skills needed to work in rural settings.

- 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 college conducts an orientation programme for students of Semester 1 at the beginning of the academic year and gives detailed information about NSS and NCC . In our college, as mentioned earlier, students have to compulsorily choose either NSS, NCC or sports. There is a coordinator who manage NSS, and NCC is looked after by a permanent faculty who receives regular training. Students are encouraged to attend camps and if they miss any classes they are not penalized and are given extra coaching. In case, the examination schedules falls in the camp days, students are given arrear test. Additionally, certificates are given to students for their achievements.

- 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?

College has provision to provide scholarships to students from under-privileged and vulnerable sections of society. Remedial classes are arranged free of charge for these students.

- 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.

As mentioned earlier, the institution organizes various types of camps for students every year. These camps inculcate a feeling of Indianness, develop a sense of leadership, build team spirit and develop organizing skills. Likewise, such camps give the students hands on experience in real life situations. By living in rural areas, they learn to empathize with the rural folk, understand their life style and appreciate the challenges they face.

- 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?

In whichever village the camp is organized, the community is consulted and many of the people are encouraged to involve themselves in activities like Health Check up, Cleanliness and Hygiene Campaign, AIDS awareness, Education awareness. To encourage community participation in its activities, faculty members as well as students who know the area well, first get in touch with "Surpanch" and Panchayat of the village and

build up a trust quotient. This helps in confidence building and village folks who are generally considered conservative are thus encouraged to freely participate in the activities.

- 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.

The NSS unit is actively involved other local institution located in camping site.

During 2009 the residence facility was provided by Shree Jalaram Temple.

During 2010 entire camp was sponsored by Ma Ambaji temple located near camp site.

During 2011 the residence facilities and boarding facilities was partially sponsored by Shree Shree Ravishanker Ashram.

- 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.

The NSS unit has received special award from Pramukh Swami Medical College and Hospital for high collection of blood units.

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 gives a free hand to the researchers for collaborative work. Major collaborative work is carried out in Electronics, Physics, Zoology, Chemistry and Industrial chemistry.

Our sister institution SICART is one of the collaborative Research Institutes.

- 3.7.2 Provide details on the MoUs / 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.

SICART was set up in the campus by the management with support from DST to facilitate research and testing for researchers and commercial units. This is the most advanced laboratory in entire western region.

This laboratory allows researchers of CVM institutes to use its facility at nominal rates.

- 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.

1) The Government of Gujarat had funded Rs. 15 lakh for soil testing. A laboratory was established with following equipment.

P^H meter, conducto meter, flame photometer, shaker, colorimeter,

computer, printer and store well worth around Rs. 2.5 lakhs

During the period of the project 15 students got employment in the lab along with 01 lab technician

2) SCOPE:

The Govt of Gujarat established a Digital language Lab in the college to facilitate the SCOPE Programme. Under these 25 computers and one multimedia projector was given to the college. This lab is called DELL [Digital education and language lab]. It is equipped with 5 mbps internet facility.

3) Due to the Minor and Major project research grants received by faculty members, research laboratories and research equipment were upgraded. Under these projects books were also added to the library.

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

The Physics Department organized a national level conference on 'Recent Trends in Theoretical and Experimental Physics (NCRTEP)' and the key note speaker was the Director, IIT Kanpur, Dr. Thareja and other notable speaker was Astrophysicist, Dr. J J Rawal. The conference also saw attendance from eminent faculties and researchers from other universities of Gujarat and other parts of India.

The Electronics Department also organized a One Day State Level seminar on 'Innovations in Collegiate Science Education and Research'. Many eminent scientists like Dr.Narayan Ramasubhramaniyam, Head Multi Cusp Plasma Division, Institute Plasma Research, Ahmedabad,

Dr.Hiranmaya Mahanta, Director, TECHPEDIA, Ahmedabad, were the noted speakers in the seminar.

The Chemistry Department conducted various programmes like Chemistry Exhibition, Debate Competition, Poster Presentation to celebrate International Year of Chemistry. Many institutions including schools in and around Vallabh Vidyanagar actively participated and contributed to the success of the programme.

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

As we are affiliated to Sardar Patel University, we are bound to follow the syllabus framed by the Board of Studies of each course. Therefore, we have no linkage with any industry for curriculum development. However, our faculties do interact with industry personnel during educational tours. The valuable feedback is then conveyed to the BoS for suitable changes to the curriculum.

b) Internship/ On-the-job training NA

c) Summer placement: *Placement cell*

d) Faculty exchange and professional development: *None*

e) Research: *None*

f) Consultancy: *None*

g) Extension: *Faculty from I/C department visit Lupin laboratory to train their staff.*

h) Publication *None*

- i) Student Placement *None*
- j) Twinning programmes *None*
- k) Introduction of new courses *None*
- l) Student exchange *None*
- m) Any other *None*

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

NA

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

Faculty from the department of Zoology, Chemistry and Industrial Chemistry, Computer Science is involved in consultancy on honorary basis. At the same time, Industrial Chemistry Department sends students to some industries for training which is a part of their curriculum.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities:

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

The institution's policy is reflected in Objectives of the college. The college always gives priority to students' facilities for effective teaching learning process.

The college established full fledged ICT facility in majority of class rooms, laboratories, library and Internet facility are accorded top priority to facilitate effective teaching and learning.

Under the CPE grant multimedia projectors, Wi-Fi facility has been installed and each department was provided with a laptop, scanner-printer and peripherals.

4.1.2 Detail the facilities available for

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

The college has all the facilities except animal house. Pls refer to Annexure-4

- 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.

The college is the oldest college in the campus and has all the sports facilities.

1) For Out Door games:

Shastri ground for football, basketball, cricket and athletics

Separate Tennis Court

2) For Indoor Games:

Gymnasium and Badminton court

3) For Cultural Activities:

Central Hall [auditorium], BISAG hall

4) For Communication Skills:

DELL laboratory and CDC

5) For health and hygiene:

Purified drinking water, clean sanitary facilities for students and Staff, Canteen for hygienic food and University Health Center for health care, are provided.

6) NCC and NSS:

The college conducts both the activities successfully. The details are mention in 3.5 and 5.3

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

The laboratories are used in two shifts one in morning and other in noon to accommodate batch wise students in each practical.

The college received 11th plan grants as well as CPE grants which have been utilized for the development of infra structure.

- 1) Students laboratories have been up graded*
- 2) Research laboratories have been up graded.*
- 3) Class rooms have been furnished with multimedia projectors*
- 4) Campus has been beautified*
- 5) Canteen is furnished with seating facility*
- 6) Faculty seating arrangement upgraded*
- 7) Departments are upgraded with internet and laptops.*
- 8) Wi-Fi campus*

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

A ramp had been constructed for physically challenged students and persons.

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

- Hostel Facility – Accommodation available

The college has dedicated and separate hostels both for boys and girls at walkable distance within the CVM campus.

1) Junarker hostel for boys accommodates 240 Boys.

2) Ranak and Squire for girls accommodates 183 girls

- Recreational facilities, gymnasium, yoga center, etc.

College has a playground with basketball, volley ball, kho kho, cricket, and foot ball facility. It also has a gymnasium.

The college also has a tennis court and a badminton court.

Table tennis facility is provided within the college.

- Computer facility including access to internet in hostel

This facility does not exist in Hostels.

- Facilities for medical emergencies

The college does have first aid facility.

The Health Centre run by the university functions in close vicinity of the college.

Besides the ambulance facility provided by the CVM, the acclaimed, 108 Ambulance facilities is just a call away.

- Library facility in the hostels

This facility does not exist in Hostels.

- Internet and Wi-Fi facility

The students have been provided with Broadband Internet facilities and slots are allotted to each student for Internet access.

Wi-Fi facility has also been installed recently which may accessible in ladies hostel also.

- Recreational facility-common room with audio-visual equipments

Ladies hostels are well equipped with audio visual facility.

- Available residential facility for the staff and occupancy.
Constant supply of safe drinking water

There is provision for residential facility to both teaching and non-teaching staff in Vallabh Vidyanagar campus. At present 9[nine] non teaching staff avail this facility.

- Security

There is round the clock security for the college.

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?

A Health Centre run by the university is open to staff and students of the college at extremely nominal rates.

This health centre also has visiting specialist doctors for Ophthalmology, Gynecology and General Physician.

CVM also has established an Ayurvedic Medical College and hospital and it is free for college students and staff of CVM institutes.

At a distance of four kilometers is a full-fledged hospital with all the advanced facilities is available. The hospital runs a scheme for free treatment up to Rs 5000. The CVM bears fifty percent of Rs 99 for each students of the college.

Very close to the college the students and staff can avail of Panchayat Hospital at very nominal rates.

- 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.

There are separate rooms for IQAC, Grievance Redressal Unit, Women's Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

4.2 Library as a Learning Resource

There is a separate Library building with reading room with a seating capacity of 150 students, Photocopying facility and INFLIBNET.

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?

The library does have an advisory committee comprising of senior faculty from different departments. This committee meets at regular intervals to suggest the improvement in the facilities and purchase of books.

4.2.2 Provide details of the following:

- * Total area of the library (in Sq. Mts.) *315.31 sq mts Lower floor*
315.31 sq mts upper floor

- * Total seating capacity: *150*

Working hours (on working days, on holidays, before examination days, during examination days, during vacation) On working days: *Monday to Friday 10.30 am to 5.15 pm*

Saturday 8.00.am to 12.00 Noon

Prior to Examination: Monday to Saturday 9.00 is onwards

Library services are kept open and accessible on examination time irrespective of time schedule.

On holidays: Sunday & Holidays

During vacation Monday to Saturday 10.30 am to 5.15 pm

- * Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

The library provides individual reading carrels in the reading room. Ten computer terminals with internet and INFLIBNET access have been provided. All students and staff have been provided with individual passwords for INFLIBNET.

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.

Every year, the library sends a notice to each department regarding budget allotted. Accordingly, the respective heads, in consultation with his/ her colleagues, decide on the books to be purchased and the same list is forwarded to the library. These books are bought subject to availability. The college library also subscribes to INFLIBNET for E-Journals. Under the XI Plan we have purchased books and reading material worth Rs 2,00,000/- for SC/ ST students for remedial purposes .

Library holdings	2008-2009		2009-2010		2010-2011		2011-2012	
	Number	Total cost	Number	Total cost	Number	Total cost	Number	Total cost
<i>Text books</i>								
<i>(College budget.)</i>	89	22836	269	69148	286	57088	179	43170
<i>(UGC.budget.)</i>	141	27785					134	46943
Reference Books								
<i>(College budget.)</i>	21	31181	31	35451	28	37044	37	45177
<i>(UGC.budget)</i>	14	20310					01	4427
Journals/Periodicals	17	10518	11	9595	19	13664	20	21012
Magazine	16	4541	23	8087	23	8118	23	8653
<i>e-resources</i>								
<i>INFLIBNET N-LIST</i>								

e-books e-journals					52000 2500	5000	75000 3500	5000
Any other (specify) News Papers	05	4010	05	4100	05	4250	05	4560

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

* OPAC

The UGC. INFLIBNET. SOUL, Software provides services like catalogue, circulation, serial control, OPAC, Administration, etc

The users can access through the OPAC to get information regarding Title, Author, Subject, Class number, ISBN, Publisher, Accession number, etc,

- Electronic Resource Management package for e-journals.
College library has the INFLIBNET terminal which facilitates access to e-journals. College did not subscribe ERM package.
- Federated searching tools to search articles in multiple databases
There are plans to install Campus federated searching tool I in the CVM campus. But presently INFLIBNET is the only federate tool available which has enough e Resources.
- Library Website
The library website is under construction. At present, details of the library can be viewed on the college web site.
- In-house / remote access to e-publications
E publications are accessed through Internet and INFLIBNET
- Library automation

The library is fully automated and all the books are circulated with Barcode system. The process of book - issue/return transaction becomes faster. So all students and staff members have been issued I-card with Barcode.

The library uses UGC. INFLIBNET SOUL software .It is useful in services like cataloguing, circulation, serial control, OPAC, Administration, etc. Library also uses SOUL Software to manage and circulate the documents to the users. Reports of various types are generated through this software from time to time as per requirement.

- Total number of computers for public access

Ten computers

- Total numbers of printers for public access

One printer with photocopier has been provided with nominal charges for printing

- Internet band width/ speed ✓ 2mbps □ 10 mbps □ 1 gb (GB)

- Institutional Repository

The college has master server in computer laboratory.

- Content management system for e-learning

At present there is no content management system for e-learning. However, faculty for Zoology and Physics are involved in producing e content.

- Participation in Resource sharing networks/consortia (like Inflibnet)

Participation is through BISAG, Shakshat, NPTEL and INFLIBNET

Under UGC. INFLIBNET College N-LIST programme the library provides e-recourses to all the students and faculty members. Under this programme they are able to access more than 3000 e-journal and 75,000e-books .It is functioning since April 2010.E-delivery of journals articles are also catered to the end users.

4.2.5 Provide details on the following items:

- * *Average number of walk-ins [including Reading room]– 1000/ day*
- * *Average number of books issued/returned 180*
- * *Ratio of library books to students enrolled 31:1*
- * *Average number of books added during last three years - 1012*
- * *Average number of login to opac (OPAC) 150*
- * *Average number of login to e-resources 100*
- * *Average number of e-resources downloaded/printed- 50*
- * *Number of information literacy trainings organized*
- * *Details of “weeding out” of books and other materials[Pls refer the table below]*

<i>Sr.no</i>	<i>Department (Subject)</i>	<i>No of Books weeded out</i>	<i>Price</i>
1	B.C.A.	01	240=00
2	Biology,Botany, Zoology	291	17910=48
3	Chemistry	177	7413=09
4	Comp-science	132	10191=15
5	Electronics	83	4712=15
6	English	07	75=50
7	General	26	411=00
8	Industrial Chemistry	31	963=70
9	Mathematics	497	12159=08
10	Microbiology	116	15980=55
11	Physics	298	8105=69
12	Statistics	151	2953=12
Total		1818	81145=51

4.2.6 Give details of the specialized services provided by the library

* Manuscripts *No*

* Reference *Yes*

* Reprography : *We do provide facility for scanning, printing and photocopying .*

* ILL (Inter Library Loan Service)

Students and staff of the college have access to all the libraries of CVM and the Bhaikaka (University) Library by using the SOUL software

* Information deployment and notification (Information Deployment and Notification)

All student related articles, advertisement, employment news are displayed prominently on the library notice board.

* Download:

Access and download of E-Journals through INFLIBNET is allowed under this facility.

* Printing *Yes*

* Reading list/ Bibliography compilation *OPAC has inbuilt generated bibliography Yes*

* In-house / remote access to e-resources

INFLIBNET has facility to work from remote place by specialized user id Yes

* User Orientation and awareness

The Library conducts orientation program for the newly enrolled students. The students are informed about library services such as OPAC, e- resources, and all other library resources

*** Assistance in searching Databases**

The UGC. INFLIBNET. SOUL, Software provides services like catalogue, circulation, serial control, OPAC, Administration, etc

The users can access through the OPAC find Information like Title, Author, Subject, Class number, ISBN, Publisher, Accession number, etc,

*** INFLIBNET / Inter University Centre(IUC) facilities**

Our college is the first college in the campus which subscribed to INFLIBNET. Each student and faculty has its own user ID and password to access it.

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

The library which consists of one full time permanent librarian and three supports staff are very supportive to the students and staff of the college.

The librarian places the order for reference books, text books and periodicals as requisitioned by the faculty and the library committee in accordance with library budget allotted to each department. He also collects data from staff and students for the issue of identity cards. The librarian also helps the faculty and students in locating the books required. This facilitates the issue of books under the book bank scheme.

The peons also help in managing the reading room and photocopying of material, old question papers etc.

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

At present there is no such facility but such a facility is under consideration.

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

Yes, the library committee goes through the feedback forms and makes suggestions to the librarian to make changes which are practicable.

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) **213**
[160 dual core, 40 P3, 13 laptops with i3 processor]
- Computer-student ratio¹: 7.33
- Stand alone facility: *Yes*
- LAN facility: *Yes*
- Licensed software : *all*
- Number of nodes/ computers with Internet facility: *all*
- Any other:

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

Computer internet facility is available to all students and staff on the campus and each department has been provided with a laptop to enable the faculty it to use it for off campus academic and research work.

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

Wi Fi facility has been installed in the college premises to enable easy access to Internet. The idea of connecting all departmental computers of the college is also under serious consideration.

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

The college allotted Rs. 80,000/- per year for procurement, up gradation, deployment and maintenance of the computers.

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?

The college has installed multimedia projectors in all class rooms and each department has been provided with lap tops and USB drives to facilitate computer aided teaching.

The college has installed Wi-Fi facility for students and staff recently.

Broadband Internet facility is also available to each student through time slots allotted.

E-content made by teachers are viewed by the students.

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.

Independent learning: We believe that a lot of learning takes place when student follows up the class room teaching with some self study. Therefore, they are given topics based on what they have been taught in the class to write assignments(Unit wise), give seminars and projects (topic wise). These activities help the students become independent learners.

ICT enabled classrooms: All our class rooms are equipped with multi-media projectors that enable teachers to teach with the help of power point presentations, graphics, animations etc that have prepared by the teachers or downloaded from the Internet.

Learning spaces: Besides the well equipped classrooms and laboratories, we have two designated rooms for students; 1) Reading room in the library and 2) Internet lab where they access the web resources to do their projects etc. Likewise, we believe that the beautiful, green and well maintained campus also provides a lot of informal learning spaces to students.

On-line teaching - learning resources: The government is very keen to increase the use of e-learning. So missions like NME-ICT, NPEL, CEC and BISAG have taken shape. Under this the government is giving free Internet connectivity and free set top box, free access to these resources. To be able to use these resources, within our tightly compartmentalized schedule, we do manage to do on line teaching about relevant topics.

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, the KCG, Govt. of Gujarat, has provided 5Mbps Internet connectivity in DELL. In this lab 25 computers are connected through LAN. The Gujarat Govt. has also given 10 Broadband connections to the college which have been distributed to each dept. Through this we access NME-ICT, NPTEL, CEC, INFLIBNET networks.

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)?

		<i>2008-09</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>
<i>a.</i>	<i>Building</i>	<i>1,72,144</i>	<i>1,63,874</i>	<i>1,80,283</i>	<i>2,78,942</i>
<i>b.</i>	<i>Furniture</i>	<i>26,244</i>	<i>00</i>	<i>00</i>	<i>00</i>
<i>c.</i>	<i>Equipment</i>	<i>39,490</i>	<i>00</i>	<i>68,179</i>	<i>00</i>
<i>d.</i>	<i>Computers</i>	<i>26,284</i>	<i>12,248</i>	<i>14,829</i>	<i>15,803</i>
<i>e.</i>	<i>Vehicles</i>	<i>19,966</i>	<i>23,015</i>	<i>46,915</i>	<i>21,225</i>
<i>f.</i>	<i>Any Other</i>	<i>6,40,359</i>	<i>5,73,433</i>	<i>6,78,441</i>	<i>6,12,838</i>
	<i>Lab Current</i>				
	<i>Exp.,</i>				

** Funds allocated by UGC [Under different Plans], CPE are extra and additional to the above.*

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

Every year a fixed amount is allotted to each dept for maintenance and recurring expenses of the department.

S No	Department	Recurring(in Rs.)	Non-recurring
1	Physics	30,000	----
2	Biology	70,000	----
3	Chemistry/IC	4,25,000	----
4	Microbiology	1,60,000	----
5	Mathematics	5,000	----
6	Electronics	20,000	----
7	Computer Science	80,000	----
8	Library	30,000	70,000

* *Non-recurring expenses are made when it sought by departments.*

When the XI Plan was discussed, each Head of the Dept was asked to give requirement of amount for maintenance. Whenever there is need for maintenance, the Head writes an application to the Principal from where it is forwarded to the CVM, which directs the pre-approved vendor/ service provider.

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

Every year just before the University Exams, technicians are called to calibrate all the equipment /instruments. The expense is borne out of maintenance grant/budget.

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

All the sensitive equipment is housed properly in their respective laboratories. Each laboratory is fitted with MCBs and fire extinguishers. Voltage stabilizers are also used where ever required .These labs are well maintained and equipped with water connections through overhead tanks.

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

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 does publish its prospectus which is given with admission form. It is updated every year. The prospectus includes information about the history of the institute, pioneers, courses, fee structure, hostel facility, departments ,faculty, achievements of institute and academic calendar.

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

The college does receive funds from Government of India and the UGC for SC/ST and OBC students. It is always ensured that amount is disbursed on time. The table below shows year wise disbursement.

S.No	Year	No of Students	Amount
1	2007-08	125	Rs.4,52,076 / -
2	2008-09	102	Rs.2,45,970 / -
3	2009-10	163	Rs.3,70,080 / -
4	2010-11	142	Rs.3,60,013 / -
5	2011-12	181	Rs.7,92,237 / -

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

The financial assistance for SC,ST and OBC students is given by the government of India and it called post Matric scholarship. Students of these categories whose parent's annual income does not exceed Rs 40000/- [for those living in hostels] and Rs 24000/- for others are eligible to receive financial assistance. The percentage of such students is shown below year wise

<i>Sr.No.</i>	<i>year</i>	<i>Total No. Of SC/ST/OBC students</i>	<i>No. of students and percentage who received scholarship.</i>
<i>1.</i>	<i>2007-08</i>	<i>279</i>	<i>125[44.80%]</i>
<i>2.</i>	<i>2008-09</i>	<i>299</i>	<i>102[34.11%]</i>
<i>3.</i>	<i>2009-10</i>	<i>235</i>	<i>163[69.36%]</i>
<i>4.</i>	<i>2010-11</i>	<i>343</i>	<i>142[41.40%]</i>
<i>5.</i>	<i>2011-12</i>	<i>457</i>	<i>180[39.39%]</i>

5.1.4 What are the specific support services / facilities available for

Students from SC / ST, OBC and economically weaker sections

- 1) Financial assistance from government*
- 2) Free remedial classes*
- 3) Priority in admission*

Students with physical disabilities

- 1) Financial assistance from government*
- 2) Free remedial classes*
- 3) Reservation in Admission as per govt. policies*

Overseas students

The university has a Foreign Students' Cell headed by a senior faculty from the university as advisor. This cell advises the students about various issues. At our level we do counsel them and spare extra time in giving special coaching.

Students to participate in various competitions/ National and International

Students are always encouraged to participate in various competitions like

Sports etc : Annexure-5

Cultural activity :Every year students participate and win prizes in competitions like Youth festival and those organized by other institutes.

Students are also encouraged to participate in various competitions other than youth festival like Volcano (A Cultural Fest organized by Rotary Club,Anand)

The financial assistance of all above activities (except Volcano) is borne by the institution.

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

The management of our college is very serious about the health of students. The 'Krupa' Scheme is the insurance scheme launched by our sister concern, a hospital called the Pramukh Swami Medical Hospital. Our management bears half of the premium for students studying in the various colleges of CVM [Rs. 45/- out of Rs 90/- for expense upto Rs5000/-]

The university Health Center is a just 10 minutes' walk away from our college which gives registers cases at 50 paise and provides basic health care free of charge.

Organizing coaching classes for competitive exams

The college offers two short term programmes PDP three modules are introduced for I and II Sem., III and IV Sem. and V and VI Sem with 192, 192 and 150 hrs respectively.

During this course students are introduced to soft skills,

communication skills, group discussions and mock interviews.

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

The college is a center for SCOPE. It is a government of Gujarat initiative to improve English language skills of students of Gujarat.

Under this, students may get coaching if they desire or just appear for exam and get certificate for proficiency is issued by a University of Cambridge. We are also considering the introduction of a short term certificate Course in Computing for our students .

Support for “slow learners”

Remedial classes are organized specially for as per the need.

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

Students are sent to various institutions like Forensic Lab, PRL, chemical industries, sanctuaries and national parks etc to increase their exposure to institutions of higher learning/ research labs/ corporate house and nature.

Publication of student magazines

Every year the students’ magazine “V” is published by the college.

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

Placement cell of the college organizes special lectures and interactive sessions by noted alumni and entrepreneurs. Such lectures inspire the students to plan their own ventures and employ more people.

5.1.6 Enumerate the policies and strategies of the institution which

promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

The college has well a planned policy about students' activities. Every year under the presidential guidance of the Principal, the Students' Central Committee is formed and one of the heads of department is selected as the Vice President. Various faculty members are nominated as ex officious for various committee, and interested and talented students are selected as student's secretary. This committee organizes and conducts several activities of the college.

** Additional academic support, flexibility in examinations*

Students who are engaged in sports or cultural meets are allowed to appear for arrear Tests if they miss regular tests due to events/practice. Such students are also given extra coaching through extra classes(if necessary).

** Special dietary requirements, sports uniform and materials*

During the activities the college gives meals/refreshments to the students. The college has its own sports uniform and the equipment used by the college students is provided by the college. The college also has all the sports equipments needed for sports like badminton table tennis cricket Volley ball, basket ball, foot ball and for track and field events.

** Any other*

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive

exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.

The college has a very active NCC unit which trains students for C certificate exams and five of our students are selected for defense [Army] services.

NET/SLET coaching is not conducted as ours is a UG college.

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

At the time of admission during vacation, teachers counsel the students about courses available in the college and career prospectus about each course. Moreover,

The college also has a unique policy of counseling. There is a 1:25 ratio of teacher student ratio for counseling batch. Students remain in personal contact with their counselor. The students are free to discuss their academic problems, personal problems, hostel problems and queries about career. Students are also free to give suggestions for the improvement for the institution.

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 college has a Placement Cell headed by a senior faculty. This cell organizes seminars/talks to educate students about careers in industry. For instance, in 2008-9, a One day seminar titled 'Industrial Motivation Campaign for TYBSc students', was organized by Medium, Small and Micro Enterprises, Govt. of India, Ahmedabad. The Govt of Gujarat has also set up UDISHA{ }, a placement cell to facilitate job opportunities for students and others. Since 2007 the following number of students has got placements. The details are as follows:

1) ENPAY TRANSFORMERS CO IND.LTD ,Baroda-	21 students
2) WIPRO, BPO Ltd, Mumbai	04 students
3) HNGFLOAT GLASS LTD , Halol	01 student
4) Gogrej Industries, Mumbai	12 students

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.

The institution has a Student Grievance Redressal Cell, during last four years following major grievances have been redressed.

- 1) Change of teacher in the subject of Computer Science
- 2) Change of teacher in Chemistry
- 3) Request considered for increasing library reading hours
- 4) The irregularity of sweeper is regularized specially in respect of class cleaning.
- 5) Internet speed has been increased.

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

The institute has Anti-harassment Cell headed by senior woman faculty member and comprising of three other women faculty members. In case there is an issue with regard to sexual harassment the committee looks into it to resolve it. Fortunately, till date there has not been a single case of sexual harassment in the college

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?

The college does have an Anti-Ragging Committee as per the guidelines of UGC. The college is fortunate that till today not a single case of ragging has been reported.

There was an isolated incident in hostel about mental harassment among room partners and it was solved very carefully by principal and anti-ragging committee.

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

The following welfare schemes are made available in the college:

- 1) Subsidized eye check up camp.(Only Rs30/- is charged from the students)*
- 2) Subsidized Thalessemia, Sickle Cell anemia, blood grouping Check up camp.(Rs 100/- is charged instead of Rs 700/- out of which Rs 50 is paid by the college)*
- 3) Tie-up with Shri Krishna Hospital, Karamsad (A sister concern of CVM), for treatment costs up to Rs 5000/- per year. For this, the management pays Rs 45/- out of Rs 90/-.*

- 4) *Students can also get basic medical facility in the University Health Centre at the cost 0.50 paisa as case fees.*
- 5) *Hostel facility has been provided for both boys and girls.*
- 6) *Every day before the beginning of the first period, secular prayers are played in all the classrooms and corridors for mental peace of the students. The prayers focus on human values, inner strength and peace of mind. Each day a different prayer is played.*
- 7) *Students who want to take part in sports events are given practice and guidance before and after the college hours.*
- 8) *All the students are counseled by their respective counselors about the above mentioned facilities. Besides the counselor also tries to solve any academic or personal issues the students may have. Parents are also informed about their wards' issues. They are also invited to attend Parent-Teachers meeting at least once in each semester.*
- 9) *Free remedial classes are organized for Students who fail to clear some papers, for late joiners and slow learners.*
- 10) *There is system of Book Bank in the college library under which BSc Sem V& and students are given some books, apart from the two library tickets, for the whole year.*

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

The college has an Alumni Association and it is managed by committee comprising of senior faculty members. Presently Alumni Association has Rs. 6, 00,000/- as reserve fund. The Golden Jubilee Fund of Rs 4.5 lakh has also been generated over the years by the alumni.

This fund is used for college development

5.2 Student Progression

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

Student progression	%
UG to PG	90-94%
PG to M.Phil.	-----
PG to Ph.D.	-----
Employed	1.0-1.2%
- Campus selection - Other than campus recruitment	

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.

Sr. No	Subject	April 2008 %tage	April 2009 %tage	April 2010 %tage	April 2011 %tage
1	Botany	100	100	100	100
2	Zoology	100	100	100	100
3	Physics	100	92	100	94.44
4	Chemistry	91.58	81	92.10	86.47
5	Microbiology	78.95	73	74.15	70.19
6	Mathematics	95.24	89	86.20	95.31
7	Electronics	100	100	100	96.15
8	Industrial Chemistry	100	96	100	98.15
9	Computer Science	100	100	100	97.06
10	Statistics	100	-----	-----	-----
11	University Result	<u>82.83</u>	<u>81.74</u>	<u>82.52</u>	<u>82.64</u>
12	College Result	<u>90.80</u>	<u>84</u>	<u>90.67</u>	<u>89.95</u>

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

Ours is an institution that imparts under graduate degree programmes in Pure Sciences where students have a better opportunity only if they go for post graduate courses. Whenever required the teachers counsel the students about the appropriate courses. However, we do have a placement cell which facilitate opportunities from Chemistry, Industrial Chemistry, BCA and Instrumentation disciplines.

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

Special remedial classes are organized for such students free of cost to prevent failure and dropout. Besides, students are also counseled from time to time and given proper guidance.

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 college conducts various sports and games competitions and also participates in inter college sports events. We have a dedicated PTI who manages these events and trains and guides students for the same. The details of participation and program are as under:

year	Sports		Cultural activity		Debate		Fine arts	
	Inter collegiate	Other events	Youth festival	Other events	Youth festival	Other events	Youth festival	Other events
2008-09	32	203	35	44	2	21	5	42
2009-10	30	198	35	40	2	32	5	41
2010-11	60	300	39	42	2	19	5	40
2011-12	68	301	37	39	2	32	5	41

Please refer to Annexure 5

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.

Minaxi Lalit test:

*Minaxi Lalit Science Award Test is a state level competition and conducted by Gujarat Science Academy once a year. Please refer to **Annexure – 6** for a list of students' achievement in the test*

Sports:

- 1) *District Level Competition Khel Mahakumbh Organized by Govt of Gujarat)(2010-11)*
 - A) *Secured 3rd position in Football and won Rs 16000/- as Prize money.*
 - B) *Runners Up in Basketball(Girls) and won Rs 24000/- Prize money.*
 - C) *Semi-finalist in Table Tennis.*
- 2) *Saptadhara Zonal Championship (2010-11)*
 - A) *Champion (Boys & Girls teams)(Table tennis)*
- 3) *3rd Position in Saptadhara State Level Table Tennis competition (Boys)*
- 4) *Athletics (Vallabh Vidyanagar Seat)(2010-11)*

Students of the college won the following positions:

1st position in 100mts race, 200mts race, Discuss Throw (boys and girls), Long Jump (Girls).

2nd Position in 100mts race, 200mts race, Discus Throw (Girls).

3rd Position in 100mts race, Shot Put (girls), Javelin throw (boys).

Chess

Four Finalists (Girls), and Two Quarter Finalists (boys).

5) Inter-Collegiate Tournaments (University level) (2010-11)

A) Two girls were selected for University team in Kabaddi and

B) Two girls were selected for University team in Basketball

C) One girl was selected for University team in Handball

Inter-Collegiate Tournaments (University level) (2011-12)

A) Runners-Up Kho Kho (Boys)

B) Two students were selected for S P University Football Team.

C) One student was selected for S P University Tennis Team (Boys)

NCC:

*The NCC unit of the college is very active and students actively participate in the camps organized both locally and nationally. Many of our students have participated in the Republic Day Parade at New Delhi. One of our students Mr. Mit Sutaria was among the five cadets chosen from India for a Youth Exchange Programme in Russia. Some of our students are also serving as officers in defence services. And many had joined as soldiers. The details regarding students' participation in various camps are attached in **Annexure-8***

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?

During the internal exam of practicals of students of SEM V and VI are given feedback forms to fill. These are later studied carefully by the Principal. If there is any negative feedback about the teacher about teaching methods, language of instruction or any other issue, from large no of students, the principal speaks to the teacher in question and informs him or her about the feedback to get his /her side of the issue.

Similarly, if there are any issues regarding institutional provisions, they are seriously looked into and if possible suitable changes are made.

For instance: students wanted more library timings so they were increased.

In one instance students were not satisfied with some teachers in Chemistry and in Computer Science so they were replaced.

- 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.

The college does encourage students to contribute to college magazine, creative Arts Gallery and Science Corner. The college also publishes its Annual magazine every year.

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

Yes, the college does have a vibrant Students' Council which is called Students' Central Committee. The College Principal is the President of the Students' Central Committee. And One of the Heads of the Departments of the college is selected as the Vice President. The committee has a General

Secretary of the college, who is selected as per merit. The Students' Central Committee, which changes every year, has various committees like Music and Dance Band, Drama Club, Nature Club, Fine Arts Band, Science and Knowledge Club, Magazine Club. Each Committee has a college faculty as an Ex-Officio and each committee has a Student Secretary who is selected as per his/ her interest and aptitude. This committee conducts various events and programmes throughout the year.

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

Each class has a Class Representative and a Ladies Representative. They are students selected from that particular class as per academic merit. The LR and the CR act as intermediary between the students and the Principal regarding academic and administrative issues.

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

The institution is in constant touch with the alumni and the former faculty. Most of them have spread out in various places but whenever we have opportunity we do invite them to the college during functions. We also get guidance and suggestions from our faculty and alumni.

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

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 add significantly to our enduring civilizational tradition of pioneering excellence in learning, knowledge, enlightenment and self realization, in a universally relevant context

Mission:

We dedicate ourselves to the perpetuation our founders' vision of providing the infrastructure ,facilities, operating conditions and overall environment conducive to the education of young scholars, along with the desired physical, mental and character building inputs; we firmly renew our commitment to providing value added globally relevant education with an emphasis on the techno management domain to ensure that our scholars fruit fully exercise their knowledge skills and values in the global economy.

Our college follows the above mentioned vision and mission in letter and spirit. Ours is a secular institution whose focus is on imparting quality education in the field of pure sciences and which gives an opportunity to our young graduate expand the knowledge and skills gained for higher studies. Moreover, the faculty is always keen to upgrade themselves and always strive to improve the curriculum to make it relevant to the changing times. The college also gives ample opportunities for the overall development of the students by allowing the students to

participate in various sports events, academic meets and cultural events. We have also initiated a personality development programme because we do believe that a student is shaped by many more things besides academics. It is said that future leaders of the nation are born in our educational institutions. So by making the students a part of the students' central committee we give them responsibility to manage and organize various events in the collage. This platform throws up future leaders, managers besides building the character.

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

Our management, CVM, is headed by the Chairman, and supported by secretaries and joint secretaries to monitor various colleges. One of these secretaries looks after each college. The CVM holds meetings with the Principal and sometimes with the staff also to spell out the policy matters and their implementation and also to monitor their progress activities and events. The Principal holds regular meeting with the Heads of the Departments of the college to discuss and plan strategies about various programmes. The heads are the intermediary between the departmental staff and the principal. So together they make plans to implement policies. For instance, it was seen that since the implementation of the CBCS system, the results have been rather poor. This issue was discussed in the heads meet and it was concluded that the poor results was due to the fact that majority of students belong to vernacular medium, and many of them join the course very late as they wait for professional courses counseling to get over. Consequently, many of such students are unable to clear some papers. To help the students, the Principal and the heads

decided to organize remedial classes before and after the college hours to improve their performance.

Another instance is the implementation of counseling System of students. This was envisaged by the CVM looking at the fast changing scenario which puts a lot of stress on the students which not only affects their academic performance but also their psychological well being. Therefore, the college set up a Counseling Committee headed by a senior faculty and all the teachers were allotted a specific number of students whom they meet regularly where the students are free to discuss their academic and even personal problems that impede their progress.

We would like to quote one more policy decision taken by the management viz. the Introduction of Personality Development Programme in the college. The present scenario demands employees to be well rounded and not just academic book worms. To implement this successfully, a separate committee to facilitate time allotment to the faculty from Globe Arena for this purpose.

6.1.3 What is the involvement of the leadership in ensuring?

CVM published a detailed rule book for all the areas of concern.

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

The Principal plays a key role along with the Heads of the depts. and other senior faculty in the framing of policy statements for fulfilling the stated mission.

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

The action plans for all operations and incorporation of the same into the institutional strategic plans are made during the Principal's meeting with the Heads after careful consideration and discussion.

- Interaction with stakeholders

The Principal meets the management and apprises them about issues, challenges and progress with regard to achievement of the goals.

Besides, the Principal and the staff also counsel the students about various issues, policies, facilities, schemes etc. The parents are also called to interact with the staff. During such meetings, the Principal clearly spells out the objectives, policies, and evaluation system etc.

These interactions go a long way in ensuring the stake holder's participation in the achievement of objectives.

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

As stated above, regular meetings are held with the stake holders to know about the students' needs and accordingly, policies are planned.

Our efforts have always been to achieve stated objectives. For this purpose, the principal and the Heads frame Teaching Learning Policies considering the students' present and future needs. Keeping this in mind we have :1)Provided ICT facilities in the classrooms, 2)

Subscribed to INFLIBNET in the library,3)Book bank Facility4)

Upgraded the laboratories,5) Provided Internet facility,6) Started Personality Development Programme, 7) Give Unit wise Assignment, 8) Started Remedial Classes.

We also realize the students dilemma when they first come to seek admission because they are not fully aware of the future prospects in Pure Sciences, Therefore, it has been our practice to counsel them at the time of admission so that they get proper guidance about which course to choose.

- Reinforcing the culture of excellence

We in our college always strive for excellence. Teachers are always encouraged to give their best in teaching and other activities. Teachers

who complete their PhDs are honored on the Annual Day. Students who excel in academics, sports and cultural activities are given prizes and certificates on the annual day.

As per a new policy(as announced by the Chairman, CVM) students who get gold medal in academics get their first semester fees waved of if they pursue a PG course in a CVM institution.

Students who represents the University at State Level or National Level Sports Meet are given a cash prize of Rs. 5000/-

- **Champion organizational change**

With regard to organizational change the only thing that keeps changing every year is the students' central committee. The Vice President, ex officious and students secretory are changed every year.

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?

All the policies are framed by the Principal and IQAC in consultation with heads of departments. The heads of each departments and their colleagues play a major role in the implementation of the policy decided. During the Principal's meeting with the heads, a review is taken and suitable changes are made if necessary, for improvement and effective implementation.

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

The Principal, in consultation with the management, appoints a head for each department who is responsible for the academic and the administrative affairs of the department. The faculty is allowed to plan

out the academic design and mentioned in teachers' dairy. The class room teaching is the special privilege of teacher and provides freedom to transform curriculum at his/her own way.

The hierarchy is as follows:

Management > Principal > heads of department > faculty.

6.1.6 How does the college groom leadership at various levels?

Leadership is developed only if responsibility is given for various tasks/ activities. This applies to both students as well as faculty. Therefore, for every activity, there is committee under a faculty and a student secretary. They get enough opportunity to be responsible and take some decision about selection and organization of an event. Such a practice helps in honing the leadership and organizational skills. We also select Class Representative and Ladies Representative as per merit. They also get the opportunity to present the issues of their classes to the Principal. They play an important role conveying decisions to their class.

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

The college does have a system wherein each department enjoys some autonomy about decisions taken as long as they are in the interest of students and the institution. Each department has a head who works as the intermediary between the Principal and the members of the department. The Principal, who is of course the overall head of the institution, does not interfere with the Head of any Dept regarding the allotment of periods to different faculty unless there is serious conflict.

Moreover, the departments also have the autonomy to adjust lab sessions within the overall frame work if they do not clash with other classes. If a faculty has to leave the campus for some time due to some academic work, he/she can go simply go after informing the head. A faculty is allowed to air his/her grievance to the Principal directly or through the Head. If a faculty has to be on leave, he/she has to inform the respective Head in advance who then makes an alternate arrangement for his/her classes as far as possible. Each department is also free to order the practical journal for students from any source as long as the work is done on time and students are benefitted.

The college also has a Students' Central Committee. Its operational head is the Vice President who enjoys partial autonomy, is selected every year. This Vice President is free to select ex-Officios in consultation with the Principal for various portfolios. The ex-officious are free to select participants for each event as per.

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

The institution always follows and promotes a culture of participative management. We can say this because the most important decisions are mostly taken jointly by the Principal and the Heads of the various departments. Besides when it comes to purchasing of new equipment, each department is asked to submit their requirement as per priority. Even when policies are decided and framed, the faculty is taken into confidence. All faculty members are free to express their opinions and suggestions which the principal does take into consideration.

The students are also made a part of the scheme of things. For the smooth conduction of events, all the student secretaries are called to

attend the pre event meeting. They are also entrusted with the responsibility of maintaining discipline in the college and during the events. Their suggestions are also taken into considerations

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 follows a formally slated quality policy. After the college was accredited by NAAC in 2007, the IQAC was formally set up in the college. The committee comprises of four senior faculty members. This committee in consultation with the Principal, heads of various departments and as per requirements of NAAC plans and deploys various policies that improve the quality in the institution. The policies and decisions are reviewed at the Principal's meeting with the Heads and corrective measures are taken if need be.

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

For an educational institution, development would mean improving the teaching learning process, staff participation, student-teacher interaction, infra structure development, development of library as a knowledge resource centre etc. Yes, the college of course has a plan for development. In coming years we do hope to improve the result and participation in academic and cultural meets.

The college is planning to expand its infrastructure facility in terms of class rooms, meeting and conference room.

We are also planning to introduce certain add on certificate diploma courses in functional English, Science Journalism and Computer Application.

We are also considering applying for Autonomous Status.

6.2.3 Describe the internal organizational structure and decision making processes.

In our college, there are different departments under a Head. The head is the intermediary between the Principal and the staff .Each department enjoys autonomy in so far as allotment of teaching, practical sessions etc is concerned. The Head reports to the Principal while the staff first report to the Head and then to the Principal. Most decisions regarding the college, administration, examination, remedial classes, discussing plan outlay events, etc are taken at the Principal's meeting with the Heads after a thorough discussion. During the meeting the Heads are free to put forward the views of the department he/she represents. Only when all the queries are looked into, a decision is finalized and the same is conveyed to the staff members through the minutes of the meeting.

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

- Teaching & Learning

We realize that many of our students are from vernacular medium. So care is taken by teachers to be bi-lingual in their teaching initially. Teachers have started using ICT facility in class rooms. This ensures that in no student misses out on anything. Assignments are given from each unit to ensure that in doing them, students refer to the learning material given to them by the teacher. These assignment are based on the examination pattern so the

students are prepared for the exams as well. Students are also issued books from book bank for the whole year apart from two library tickets.

Photocopying facility has been made available to students.

Research & Development

Our college was the first science college to set up research .Ours is the one of the few colleges where more than 50 %(29 out of 59) of the staff hold a Ph.D degree.

Out of them, eight are actively involved in guiding students for Ph.D.

Besides, many staff members are also involved in Minor and Major Research Projects funded by UGC/ DST/MHRD.

The college has set up a Research Cell that monitors and helps faculty aspiring to do research. The faculty is encouraged to apply for UGC projects and present papers in national and international seminars/ conferences/ workshops.

During 2007-12, 208 research papers being published by the faculty members.

The Physics Dept organized a national Conference on Recent Trends in Theoretical and Experimental Physics(NCRTTEP) which was attended by 310 researchers and scholars. The Chemistry Dept organized various Programmes like Chemical Science Exhibition, quiz etc to Celebrate the International Year of Chemistry.

Community engagement

Through programmes like NSS and NCC, the students are encouraged to relate to the community. In NSS, students do various programmes in villages .What is more, through Parent-teachers meeting ,guardians and parents of the students are invited to visit the college. Parents who come to college are shown around the campus. Parents are informed about the general rules of the college and also about the manner in which the college functions, the internal evaluation system etc.

The Nature Club of our college also conducted a survey with 221 families in and around Vidyanagar and tried to raise awareness about tree plantations and also gave them saplings.

- Human resource management

College is a place that gives ample opportunity to faculty and staff to display their skills. Throughout the year different activities are conducted for which attempts are made to make the right person responsible each portfolio. Similarly, student secretaries are selected as his/her interest and aptitude

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

The Principal is the intermediary between the management and the institution. He keeps the management abreast with the activities of the college. He also informs the management about special requirement of the college, faculty or students.

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 management is Charutar Vidya Mandal. The CVM is always kept informed about the happenings in the college. From time to time, the CVM holds meetings with the Principal and the staff to share its concern about some issues like attendance, results, research etc. It welcomes suggestions

from one and all to improve the teaching learning, attendance, counseling etc.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

To encourage research, the management has decided to pay 25% of the total fees for Ph.D.to the Internal Guide of the College.

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, but we have not yet applied for Autonomy although we are considering the possibility.

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?

This has been answered in 5.1.10

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?

No.

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?

During the internal exam of practicals of Third year students are given feedback forms these are later studied carefully by principal. If there is any negative feedback about the teacher about teaching methods, language of instruction or any other issue, from a large number of students, the principal speaks to the teacher in question and informs him or her about the feedback to get his /her side of the issue.

Similarly if there are any issues regarding institutional provisions, they are seriously looked into and if possible suitable changes are made.

For instance: students wanted more library timings so they were increased.

In one instance students were not satisfied with some teachers in Chemistry and in Computer Science were replaced.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

The college organized skill oriented programme KMPF, seminar on education(Innovations in Science Curriculum).The teaching staff is also encouraged to participate in short term workshops, and exchange programmes. Globe arena also organizes a short Skills Development Programme for staff.

Non-teaching staff is also sent for workshops and of computer training and CCC exams. The college also has plans to organize communication skills training for Office staff.

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?

Like any institution, this college believes that a trained manpower is an asset. So the college always gives duty leave to staff desirous of attending workshops / training etc. for the responsibilities that they shoulder. For instance, the Govt of Gujarat organizes workshops for the coordinators of SCOPE and faculty from our college attended the same. Faculty from our college have participated in training programmes like 'Training and capacity Building Programme', and 'Promotion of Culture and Quality Through Research' organized by KCG.

- 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 form that the college uses has been approved the Commissioner of Higher Education, Govt. of Gujarat. They are collected every year from the staff.

- 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 management wanted more staff members to engage in research funded by various agencies to generate funds for the development of the research and institution.

The management wanted the staff to feel morally bound to do any extra duty for the institution.

- 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?

Some departments run a welfare scheme .In this scheme, each staff contributes a certain sum every month which is deposited in a bank. Over a period of time a sizable corpus gets accumulated. If any staff member of that group needs any loan, he/she can get it instantly and at reasonable rate of interest.

There are plans to get a personal accident cover /group insurance for all employees. This is would be apart from the group insurance cover offered by the Govt of Gujarat.

The class III & IV employees get the facility of advance for buying grain/oil/ and for festival. Most of the employees avail of this facility.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

The appointment of staff in the college is strictly as per the norms of the UGC/ Govt of Gujarat / Sardar Patel University/ and CVM as and when, the Govt. sanctions the post. Besides, we do not have the autonomy to recruit staff directly. However, we do invite eminent scholars to deliver lectures in the college.

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?

At the beginning of the academic year, each dept. is allotted a budget comprising of recurring and non- recurring heads. Each dept uses the funds for laboratory expenses from the recurring budget. For non-recurring expense (like buying equipment etc), each dept has to get it sanctioned and then invite quotations from different vendors and best one

is selected. This budget is sanctioned by the Principal. Each dept. maintains a stock register which has to verified by the HoD and the Principal.

- 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 CVM conducts the internal audit of the college in every financial year, followed by the external audit by CVM nominated external auditor every year. External auditing is also carried out by AG (accountant general) audit and DE (director of education) audit. The last audit was done on 31/3/2012.

No minor or major objections were found.

- 6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major sources of institutional receipts/funding are from UGC, Gujarat Govt., receipt from fees, special grant CPE and from research projects.

In case there is a deficit, the management is generous enough to bears the expense.

The college has a reserve fund in the form of golden jubilee fund and alumni fund.

Statements are attached in the annexure 7 for your perusal.

- 6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

The college prepared a proposal for CPE grant [one crore] and got the same in the XI plan. Ours was the one of the seven colleges of Gujarat to have received this grant.

The college also received a grant of Rs. 25,00,000/- for promotion of Basic Scientific Research.

The college has received approximately Rs 44,52,400/- as part Of funding for research from UGC/DST/MHRD/GUJCOST in the last four years

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

Yes, the IQAC was established soon after the accreditation in the year 2008. The college is committed to pursue excellence in all the fields. The coordinator is invited to attend the Heads' Meeting for suggestions regarding the institutional development.

- b. How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?

The suggestions were:

- 1) *To prepare AQAR every year*
- 2) *To Get more developmental funds from UGC.*
- 3) *To apply for College with Potential for Excellence.[CPE]*
- 4) *To prepare for 11th Plan Proposal.*
- 5) *Proposal for Jubilee Grants from UGC.*
- 6) *Proposal for Instrument grants.*
- 7) *Up gradation of Class rooms and laboratory*
- 8) *To provide Wi-Fi facility in the campus.*

The suggestions made by IQAC are honored by the institution and authority and have implemented all the suggestions successfully.

- c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Beside IQAC College Cell, there are many external members as mentioned in the table given below.

Sr. No.	Status	Name of the member	Address
1. d	Chairperson	Dr Bhavesh D Patel	Principal
2.	Coordinator IQAC	Dr. Nikunj Bhatt	Asso.Prof.Biology department.
3. .	IQAC committee	Dr Charudutt R Gurjar Dr Rekha Patel Dr Dali Varghese	English Department Physics department Biology Department
3. H O W d O S t u	Senior Administrative Officers	Mr. Tushar Majumdar	I/C Registrar, SPU
		Mr. Raghavjibhai M. Patel	Development Officer, SPU
		Mr. Bhaskarbhai Parekh	Accountant, V.P. Sc. College
	Teacher Members	Dr. B.C. Dixit	Chemistry Department
		Mr. Nilesh Patel	Mathematics Department
		Dr. T.H. Patel	Physics Department
		Dr. Minaxi V. Kumar	Electronics Department
		Mr. L. M. Katara	Librarian
5. O	Management Nominees	Shree R. P. Patel	Hon. Secretary, CVM
		Dr. V.S. Patel	Director, SICART V.V. Nagar
		Dr. P. M. Mehta	Advisor , Research, Biological Sciences, SICART V.V. Nagar
6. S t u	Nominees from Local Society	Dr. D. K. Raval	Professor, Dept. of Chemistry , SPU
		Dr. Vibha Vaishnav	Reader, Dept. of Electronics, SPU
		Dr. M.K. Vasavada	Samip Banglow, V.V. Nagar
		Mrs. Ashaben Dalal	President , Jagrut Mahila Mandal, Anand

d. How do students and alumni contribute to the effective functioning of the IQAC?

Quite a few members of the IQAC Committee are alumni of this institution. We invite suggestions from our esteemed alumni and current students through meeting and try to implement them. The feedback we receive from them are valuable and go a long way in improving the quality of teaching-learning, facilities for students and teachers and beautification of campus.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

The IQAC holds meetings as and when necessary like Applying for CPE grants, Utilization Of received grants for up gradation of departments,

The staff is engaged for Preparation of documents for re-accreditation preparation, requisition for equipment grants and students' activities.

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.

Academic: maintaining quality in this college is a top priority to maintain this we try to maintain this in the following ways.

- 1) Merit based admission*
- 2) Preparation of academic calendar ready at the time of admission.*
- 3) Detail information about courses offered in the prospectus*
- 4) Maximum number of teaching days*
- 5) Attempts are made to ensure that if a teacher is on leave some other teacher will engage his/her class as far as possible.*
- 6) Use of ICT facilities in class rooms and research*
- 7) Counseling: Each faculty is allotted 20-25 students for counseling to solve to look into the students' academic and other issues.*
- 8) Remedial classes are organized for SC/ST/OBC, academically weak, students who have failed to clear some papers and late joiners*
- 9) Books are issued for a full semester through book bank facility besides two library tickets per students.*
- 10) Automated library by using OPAC and SOUL software.*
- 11) Every student allotted Internet slot in the Internet Lab.*
- 12) Personality development [PDP] classes and Communication skill classes [CDC] through external agencies [Globe arena]*

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.

The college had conducted programmes through Globe Arena to give skill based training to faculty. Furthermore, teachers also attend workshops conducted by the IQAC of Sardar Patel University.

Due to the awareness of IQAC and suggestions made by IQAC, the college applied for CPE grant and received the same which helped the college to upgrade its laboratories, class rooms and departments. These also brought about an improvement in the teaching learning process.

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, College does undertake external Academic and Administrative Audit by The Commissioner of Higher Education. We have sent the report for AAA to KCG, the Commissioner of Higher Education. But we have not yet received the response. Needless to say , we always attempt to pursue excellence in all fields.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies / regulatory authorities?

The college IQAC is in direct contact with NAAC and follow the guidelines and recommendations. Whenever IQAC, Sardar Patel

University, conducts workshops the IQAC committee attends the same. The college had also organized a workshop funded by IQAC, S P University, on the curriculum planning in the subject of Physics for SEM III to SEM VI.

- 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 college follows the academic schedule given by the S P University. Based on that we make our own academic calendar keeping in mind the number of working days. This calendar is printed in the college prospectus. We try to follow this as far as possible. The Head of the Dept. reviews the course completion and class room teaching of the faculty. The Principal reviews all this in the Heads' meeting. If any course is running behind schedule, the concerned dept. /teacher is advised to conduct extra classes to complete the syllabus.

We have also installed suggestion boxes for students. If there is any issue regarding the teaching method of any teacher, the teacher concerned is spoken to by the teacher for necessary action.

The student attendance is reviewed and those with inadequate attendance are specially identified and called for extra work. Remedial classes are arranged for those who joined late and those who failed in some courses.

The results are also reviewed and same is discussed during the Heads' meet to improve the student performance.

Due to the above mentioned mechanisms our students are satisfied as syllabus is always completed in time and the college academic environment is conducive to learning.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The Principal and IQAC holds meetings as and when necessary to implement the policies and utilization of CPE grants, Utilization Of received grants for Promotion of basic Scientific research, XI plan and Preparation of documents for re-accreditation preparation, requisition for equipment grants and students' activities.

The college conducts Parents' teacher meetings, Alumni meetings and IQAC meetings through which policy matters are communicated and discussed with external stakeholders

Any other relevant information regarding Governance Leadership and Management which the college would like to include.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Yes, Department of biology conduct a tree census in the campus. There are about 180 different species and more than 55 big tree and plenty of flowering shrubs are present in the campus.

- *Every year tree plantation Programme conducted by NSS*
- *The campus is a vehicles free zone.*
- *Rain water harvesting*
- *No smoking zone.*
- *PNG supply in the laboratory.*
- *Thick walls, high level roof and extra-large windows to make the class rooms well ventilated and well lighted.*
- *Drainage system*
- *Restriction on the use of Mobile*

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

- * Energy conservation
 - *Care is taken to ensure that fans and lights are switched off when the students leave the room.*
 - *PNG is used in laboratories.*
 - *Limited use of air conditioners*
 - *Use of ISI marked electric appliances*
- * *Use of renewable energy* No
- * *Water harvesting* Yes
- * *Check dam construction* No.

- * *Efforts for Carbon neutrality* Yes
- * *Plantation* Yes
- * *Hazardous waste management* Yes
- * *e-waste management* Yes

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.

- * *In the last four years the college has added multimedia resources to each class room and each dept. has been equipped with a PC, laptop, printing facility and internet connection. Moreover, the campus has been made Wi-Fi.*
- * *To make teaching student centric, seminar presentation/projects have been introduced.*
- * *All the co-curricular activities have been divided into different committees. Each committee is headed by a faculty member as the coordinator and has a student representative.*

7.3 Best Practices

7.3.1 Elaborate on any two best practices as per the annexed format (see page 141) which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Format for Presentation of Practice

1. Title of the Practice

This title should capture the keywords that describe the Practice.

Research Activities

2. Goal

Describe the aim of the practice followed by the institution. Brief the underlying principles or concepts in about 100 words.

- To improve the teaching practice of the faculty through research:

It is believed that in all fields especially the sciences, the knowledge added to the teacher's repertoire will always give an edge to his/her classroom practice because it would be easy for the faculty to relate the curriculum and latest development in the respective field.

- To develop a scientific body of knowledge:

Usually research is done more at the university level. However, by promoting research by faculty we hope to develop a research culture and enhance research activity. In the long run, this also helps in improving the curriculum.

- To develop critical thinking and disciplined enquiry approach:

The field of research demands great objectivity and critical thinking .A researcher as a teacher can instill this attitude in students. Research also helps in developing scientific temper.

- To enhance the professional stature of the institution

It is a matter of great pride that our Alumni are spread far and wide and well established in their respective fields. Research Projects bagged by our faculty enhance the stature of the institution and the funds that these projects generate help in improving the laboratories. This also adds to the reputation of the college.

3. The Context

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

The college has 32 faculties with PhD in various research areas. Out of nine departments, seven are actively engaged in research. The most challenging issue at undergraduate college in Gujarat is that the department of Higher education had not included research in the distribution of work load for faculty. So the institute like ours is facing a huge time scarcity for research, because the research activity goes beyond agenda the stipulated 40 hrs workload per week.

The college has a historic building and is one of the oldest buildings with enough facility for teaching-learning activities. Around 1300 to 1500 students are enrolled every year. To accommodate these students, the college starts by 7.30 am and runs till 6.00 pm. In this situation the teachers who are engaged in research have to adjust their work in the limited time and space.

We have expertise in the following fields.

Sr.No	Subject	No. of faculty Guiding PhD fellow	Expertise

1.	Chemistry	02	Organic/inorganic/Analytical Chemistry
2.	Industrial chemistry	02	Polymer Chemistry
3.	Microbiology	01	Enzymology
4.	Botany	--	Algal Botany
5.	Zoology	--	Arachnology/ Ornithology
6.	Electronics	01	Atomic and Molecular Physics
7.	Physics	01	Solid state Physics / Solar Physics

4. The Practice

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

As mentioned above 32 teachers are involved in research activity and during these five years about 208 research papers have been published in various National and International research journals and 123 papers were presented in various seminars and national/ international conferences. Seven faculties are engaged in guiding PhD scholars. Out of 32 faculty with PhD, 16 have major and minor projects from various funding agencies like UGC, DST and MHRD. Details are as follow.

Sr.No.	Name of the Faculty	Department	No. of students guided for Ph.D	Project		Collaborative research
				Major	Minor	
1.	Dr B C Dixit	Chemistry	04		01	02
2.	Dr K D Patel	"	09			
3.	Dr Rajesh Parab	"			01	
4.	Dr H M Patel	"		01		
5.	Dr V K Sinha	Industrial chemistry	09			
6.	Dr P M Patel	"	03	01		
7.	Dr Minaxi V Kumar	Electronics	05	01 DST		01
8.	Dr P M patel	Physics			01	

9.	Dr J K Baria	"	01		01	01
10.	Dr A R Jivani	"			01	01
11.	Dr M V Mehta	"			01	
12.	Dr P S Vyas	"			01	01
13.	Dr T H patel	"			01	
14.	Dr Nikunj Bhatt	Zoology		01	01	01
15.	Dr Nayana Brambhatt	Botany		01		
16.	Dr H N Patel	Microbiology	02		01	

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
				Sanctioned	Received	
Minor projects	1)2008-10	Screening isolation and Production of Alkaline Proteases Producing Actinomycetes	UGC	Rs97000	Rs97000	97000
	2)2009-11	Faunastic Study of Order Araneae from Shoolpaneshwar Wild Life sanctuary	UGC	Rs 80000	Rs 80000	75000
	3)2009-11	Collision Cross Sections of Electrons impact on Atoms and Molecules	UGC	71000	60000	60000
	4)2009-11	Theoretical Investigations	UGC	100000	92000	92000

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
				Sanctioned	Received	
		of Ordered and Disordered Materials using various Simulation Techniques				
	5)2010-12	Chemical synthesis and Characterization of Tin sulfide Thin Films	UGC	92500	92500	92500
	6)2009-11	Study of Certain Physical Properties of Industrial Important alloys and compounds of semi-conductors using Pseudo potential theory	UGC	80000	65000	65000
	7)2010-12	Study of long term variation in Solar coronal rotation	UGC	75000	73000	73000
	8)2008-10		UGC	70000	60000	60000

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
				Sanctioned	Received	
		Newly synthesized Bis-azo acid dyes and their application on wool and nylon fibre	UGC	25000	25000	25000
	10)2006-08	Synthesis and dyeing performance of Bis-azo acid and disperse dyes based on 4-amino-2,4'-dyechlorophenyl ether	UGC	25000	250000	25000
Major projects	1) 2009-12	Bioremediation of heavy metals from Industrial Contaminated waste water by Algal Biomass	UGC	657300	657300	657300
	2) 2012-15	Study of some Physical Properties of Transition Metals & their alloys using molecular dynamics	UGC	1100000	-----	-----

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
				Sanctioned	Received	
		simulation Techniques				
	3)2008-11	Novel Biologically active Amino acid linked heterocyclic compounds: Synthesis Characterization and their Invitro Evaluation	UGC	6,87,800	6,87,800	6,87,800
	4)2007-11	Scattering Of Electrons with molecules of Biological relevance and targets of Industrial applications-A Theoretical Study	UGC	5,92,800	5,92,800	5,92,800
	5)2010-13	Theoretical Investigation of the Electron Impact collisions studies for Molecules of Atmospheric, Industrial and Biological Importance	DST	15,00,200	11,50,000	11,50,000

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total grant		Total grant received till date
				Sanctioned	Received	
Interdisciplinary projects						
Industry sponsored						
Students' research projects						
Any other (specify)	2011-12	e-Content of Zoology Experiments	MHR D	700000	700000	7,00,000

5. Evidence of Success

Provide evidence of success such as performance against targets and benchmarks and review results. What do these results indicate? Describe in about 200 words.

Funds to the tune of Rs 44,52,400/- have been generated during last five years by the faculty of our institution as against Rs. 5,84,600 during 2002-2007. An average of 3.44 papers were published per faculty. Total 208 papers were published and 123 papers and posters were presented in various National/International conferences / seminars / workshops during last five years. During last accreditation, there were 25 PhDs. This number increased to 32. The research laboratories are upgraded and furnished with ICT facility.

The library is now upgraded with INFLIBNET facility. The institution organized a conference by Physics Department, a seminar by Electronics Department, and Chemistry Department celebrated Madam Curie's birth centenary by conducting quizzes, poster making and science fair. The number of faculties going abroad has increased to attend conference.

These results indicate that the faculty of our institutes efficiently blended /integrated research activities along with the teaching process.

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources required to implement the practice in about 150 words.

The problems faced by the faculty engaged in research are lack of time because government has not allot time in 40 hrs distribution of teaching and other activities. The management is very keen towards the research and encourages the faculty to pursue research and projects. The faculty are well aware of funding agencies and the critical fields of research.

Long working hours- 7.30 am to 6.00 pm

In many of the projects, project fellows are not allotted.

No mechanism by UGC or State Govt. encourage/ award teachers doing research.

7. Notes (Optional)

Any other information that may be relevant and important to the reader for adopting/ implementing the Best Practice in their institution about 150 words.

8. Contact Details

Name of the Principal: Dr Bhavesh Patel

Name of the Institution: V P and R P T P Science College.

City: Vallabh Vidyanagar.

Pin Code: 388120

Accredited Status: B++

Work Phone : 02692 230011

Fax: 02692 235207

Website: www.vpscience.org

E-mail :

vprptpsc@yahoo.co.in

Mobile: 09586442019

Format for Presentation of Practice

1. Title of the Practice

This title should capture the keywords that describe the Practice.

Students' Counseling

2. Goal

Describe the aim of the practice followed by the institution. Brief the underlying principles or concepts in about 100 words.

Aims and Objectives:

Counseling aims at helping the students to help themselves. The main objective of counseling is to help students discover career opportunities in future and to acquaint the students with the institute. For this purpose, the counselor provides facilities, guidance and help students to achieve the desired goals.

- 1) To make aware to students towards Aims and Objectives of the Institution*
- 2) To get information about students, this will help us in solving his/her problems/ difficulties.*
- 3) To build a feeling of reciprocal relation between students and teacher.*
- 4) To encourage and develop special abilities, right attitudes and to know himself/herself better.*
- 5) To inspire successful effort toward achievement.*
- 6) To assist the student in planning for educational and career choice.*

3. The Context

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

The college has 56 regular permanent teachers and majority of them are well experienced in research and teaching area. All the teachers have ability to transform their knowledge to the students. The most challenging issue is the busy schedule of the college. The college starts by 7.30 am and ends by 6.00 pm. The long college hours poses a challenge because all the teachers cannot be available all the time as some teachers come very early as do some students. Moreover, the recess which is of 30 minutes duration cannot be a time for counseling meeting. Many times it happens that when the counselor is free, the group is not free and vice versa .To solve this problem, the teachers allow the students to contact them any time even on telephone. Another issue that counselor faces is, is communication with parents. Many of the parents live in different parts of the state and not very educated. They cannot find time to make themselves available for Parent-teacher meeting.

4. The Practice

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

As mentioned above there are 56 teachers involved in counseling practice. Each teacher is allotted 20-25 students as counseling batch. Normally the batch is selected from the group he/she is teaching as it is easy for the counselor to meet the group more often. Students are informed through class room announcement and through notice board. Soon after the allotment the

concerned teacher holds a meeting with allotted students by personal contact. A special form is given to students to fill in with information like Photo, contact no. of Father, contact no. of local guardian, father's occupation, annual income, leave information etc. are to be mentioned. During every meeting the signature of student is to be taken in the form for the attendance record, if the student found absent consecutively his/her parents are informed by the telephone and letter.

During the meetings if students are from I semester they are acquainted with the glorious history of the Institute, CVM and also make them familiar to the Principal's and other teachers' profile. The students are also aware to the facilities provided and activities conducted by the college.

Students are also asked about the problems they face during the study and in the hostel. The principal is informed about the same. In the most cases the Principal resolves the problem or he represents them to the CVM.

Students are also counselled regarding examination and results. The counselor informs the parents about his/her ward's results after every internal exam. The college arranges parent-teacher meeting during every semester to interact with teacher counselor to know about his ward's progress.

5. Evidence of Success

Provide evidence of success such as performance against targets and benchmarks and review results. What do these results indicate? Describe in about 200 words.

This practice is being carried out for the last six years. The sustainability of this practice is a great evidence of the success. Students became familiar with the teacher concerned and total records of student are managed by the

counselor. This practice is also helpful to resolve some issues related to hostel facilities, examination drop out, co and extra-curricular activities.

The following steps are taken by the college through counseling experience.

The students who participated in youth festival, University sports activities and NCC events are allowed to appear in arrear test.

There is a hostel committee comprising of faculty members for boys' and girls' hostel, which regularly visits the hostel .The committee holds meetings with hostel students to listen their issues to resolve by discussing them with the principal.

The girls' common room was expanded and sanitation facility was also increased.

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources required to implement the practice in about 150 words.

The most challenging issue is the busy schedule of the college. The college starts by 7.30 am and ends by 6.00 pm. The long college hours poses a challenge because all the teachers cannot be available all the time as some teachers come very early as do some students. Moreover ,the recess which is of 30 minutes duration cannot be a time for counseling meeting. Many times it happens that when the counselor is free, the group is not free and vice versa .To solve this problem, the teachers allow the students to contact them any time even on telephone. To manage the meetings with students in a group the students are allotted to the teacher of practical batch. But the teacher has to take time out of the practical time table to hold a meeting

7. Notes (Optional)

Any other information that may be relevant and important to the reader for adopting/ implementing the Best Practice in their institution about 150 words.

8. Contact Details

Name of the Principal: Dr Bhavesh Patel

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vprptpsc@yahoo.co.in

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Post-accreditation Initiatives

If the college has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed five pages.

VitthalBhai Patel Mahavidyalaya or VP Science college as it is known today is, the first institution of this educational enterprise that started more than 65 years ago with the setting up of an educational township called Vallabh Vidyanagar. The college is named after the elder brother of Sardar Patel and a great leader in his own right, Vitthalbhai Patel. It was an Arts & Science college till 1969 and it was made a separate science college. Since then it has grown from strength to strength. It was the only college to have won the award of Best science college from the Govt. of Gujarat on three occasions. In 2007, it was the first college affiliated to Sardar Patel University and among the first colleges in Gujarat, to apply for NAAC accreditation and got B++ grade.

Among the first Post-accreditation Initiatives the IQAC comprising of a Coordinator and senior faculty members was set in the college to monitor and advise on matters relating to quality maintenance and enhancement. It is through the efforts of IQAC that we have able to successfully apply for CPE grant. This was the first college in this university and one among the seven from this state and one among the 144 colleges of India to be selected for this status. This indeed is a matter of pride. We got a grant of Rs 1 crore that helped it to upgrade the infrastructure and classrooms .The majority of classrooms are ICT ready and with Wi-Fi campus, it becomes easier to take Internet resources to the theory classrooms. Teachers have started using ICT in their regular teaching now

The past few years have been very critical for many science colleges as they faced competition from institutions offering applied / professional courses and many were struggling to get adequate students to run the college. . But it is a testimony to the reputation, quality, teaching and environment of V P Science College that we did not have to face this situation. This college continues to be in the preferred list of institutions both for students who want to pursue pure sciences or faculty who wish to start their teaching career.

A lot has changed in the college since 2007 after we were accredited B++ by NAAC.

As said earlier, the college continues to attract students from all across Gujarat for various courses offered. This is because of the quality of teaching, environment and facility that the students get here. We have always taken pride in the fact that our classes are always engaged and if a teacher is on leave an alternate arrangement is always done. No wonder then that most of the University Gold medals in academics are bagged by our students. The college results have consistently been higher than the University results.

Today more research is done in the college as compared to 2007. The proof of this being the amount of funds generated (more than Rs 44 lakhs). It is among the few colleges to have more than 50% faculty with a Ph.D. As a result of the funds we have much better laboratories. The last five years has seen more publications, and paper presentations. Two of our faculty are also involved in the creation of e-content in Zoology and Physics for which they also received grants. For the first time we have been able to organize a national level conference (in Physics) which was attended by well known and eminent faculty, researchers and students from across India.

We also got 10 broadband Internet connections from the KCG, one for each dept. each department has also been provided with laptops to facilitate teaching through ICT. Departments have also been upgraded by providing them with printing and scanning facility. The management has provided Internet lab for where students are allotted time slots for Internet access at more than 256kbps.

The government of Gujarat has helped in setting up a digital lab with 25 computers in the college called DELL (Digital Education and Learning Laboratory) with 5mpbs Internet connectivity. It is also a SCOPE centre. SCOPE is an acronym for Society for the creation of opportunity through proficiency in English. The government has a tie up with the University of Cambridge to administer proficiency test in English and give a certificate that is recognized everywhere as a proof of one's proficiency in English. Till date more than 400 students of this college have taken a SCOPE proficiency test. We also have plans to make this a SCOPE Exam Centre as well.

We firmly believe that an educational institution provides the right platform to students for their all round and holistic development. That is why we have a dedicated staff to look after activities like NCC, NSS and Sports. Besides, we always had teachers to manage extra curricula and co curricular activities in the college. The performance and participation of our students in these activities has increased in sports, cultural fests and community activities. Our students have been enthusiastic blood donors and have received special award from Shri Krishna Hospital, Karamsad, for the same. We have also contributed to the nations

defence services. Many of our students have joined the Army as officers and many more as jawans. One of our students was among the five Indians selected for a Youth Exchange Programme in Russia. Our NCC cadets attend many camps and also represent the college in the prestigious Republic Day Parade in New Delhi. In sports our college boys won cash awards in Khel Mahakumbh organized by the Gujarat Govt.

All in all we are very optimistic amid the gloom surrounding many of the grant- in- aid and self-financed professional institution because we are assured about the quality we provide. However we are humble enough to accept that there is always scope for improvement. In future we would like to increase our presence in the industry, further improve the quality of teaching. Generate more research grants, introduce add on/ certificate/short term courses in English, Computing and Science Journalism.

Evaluative Report of the Chemistry Department

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

- Name of the department : *Chemistry Departments*
- Year of Establishment : *1947*
- Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : *B.Sc., Ph.D.*
- Names of Interdisciplinary courses and the departments/units involved : *--Nil--*
- Annual/ semester/choice based credit system (programme wise) CBCS and semester

Semester	Core Subject	Code
<i>I</i>	<i>General Chemistry</i>	<i>US01CCHE01</i>
	<i>Inorganic chemistry</i>	<i>US01CCHE02</i>
	<i>Chemistry practical</i>	<i>US01CCHE03</i>
<i>II</i>	<i>Organic chemistry</i>	<i>US02CCHE01</i>
	<i>Physical chemistry</i>	<i>US02CCHE02</i>
	<i>Chemistry practical</i>	<i>US02CCHE03</i>
<i>III</i>	<i>Organic chemistry</i>	<i>US03CCHE01</i>
	<i>Physical chemistry</i>	<i>US03CCHE02</i>
	<i>Chemistry practical</i>	<i>US03CCHE03</i>
<i>IV</i>	<i>Inorganic chemistry</i>	<i>US04CCHE01</i>
	<i>Applied chemistry</i>	<i>US04CCHE02</i>
	<i>Chemistry practical</i>	<i>US04CCHE03</i>
<i>V</i>	<i>Organic chemistry</i>	<i>US05CCHE01</i>
	<i>Organic chemistry</i>	<i>US05CCHE02</i>
	<i>Inorganic Chemistry</i>	<i>US05CCHE03</i>
	<i>Inorganic Chemistry</i>	<i>US05CCHE04</i>
	<i>Physical Chemistry</i>	<i>US05CCHE05</i>
	<i>Physical Chemistry</i>	<i>US05CCHE06</i>
	<i>Physical Chemistry practical</i>	<i>US05CCHE07</i>
	<i>Organic Chemistry practical</i>	<i>US05CCHE08</i>
	<i>Inorganic Chemistry practical</i>	<i>US05CCHE09</i>
<i>VI</i>	<i>Organic chemistry</i>	<i>US06CCHE01</i>
	<i>Organic chemistry</i>	<i>US06CCHE02</i>

	<i>Inorganic Chemistry</i>	<i>US06CCHE03</i>
	<i>Inorganic Chemistry</i>	<i>US06CCHE04</i>
	<i>Physical Chemistry</i>	<i>US06CCHE05</i>
	<i>Physical Chemistry</i>	<i>US06CCHE06</i>
	<i>Physical Chemistry practical</i>	<i>US06CCHE07</i>
	<i>Organic Chemistry practical</i>	<i>US06CCHE08</i>
	<i>Inorganic Chemistry practical</i>	<i>US06CCHE09</i>

- *Participation of the department in the courses offered by other departments Industrial Chemistry*

<i>Semester</i>	<i>Elective course</i>	<i>Subject code</i>
<i>III</i>	<i>Organic Chemistry</i>	<i>US03ECHE01</i>
	<i>Fundamental of analytical chemistry</i>	<i>US03ECHE02</i>
<i>IV</i>	<i>Instrumental method of chemical analysis</i>	<i>US04ECHE04</i>

- *Courses in collaboration with other universities, industries, etc. –Nil--*
- *Details of courses/programmes discontinued (if any) with reasons . –Nil--*
- *Number of Teaching posts*

<i>Post</i>	<i>sanctioned</i>	<i>Filled</i>
<i>Professors</i>	<i>--</i>	<i>--</i>
<i>Associate Professors</i>	<i>09</i>	<i>09</i>
<i>Asst. Professors</i>	<i>02</i>	<i>02</i>

- *Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)*

	<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>	<i>No. of Ph.D. Students guided for the last 4 years</i>
<i>1</i>	<i>Dr. B. C. Dixit</i>	<i>M.Sc.,Ph.D.</i>	<i>Associate Professor</i>	<i>Organic Chemistry</i>	<i>19</i>	<i>04</i>
<i>2</i>	<i>Dr.H.R.Mara diya</i>	<i>M.Sc.,Ph.D.</i>	<i>Associate Professor</i>	<i>Organic Chemistry</i>	<i>21</i>	<i>-----</i>
<i>3</i>	<i>Dr.K.D.Patel</i>	<i>M.Sc.,Ph.D.</i>	<i>Associate</i>	<i>Inorganic</i>	<i>21</i>	<i>07</i>

			Professor	Chemistry		
4	Dr.M.M.Mor eker	M.Sc.,Ph.D.	Associate Professor	Organic Chemistry	17	----
5	Dr.M.K.Vala nd	M.Sc.,Ph.D.	Associate Professor	Physical Chemistry	14	----
6	Dr.G.M.Pate l	M.Sc.,Ph.D.	Associate Professor	Organic Chemistry	20	----
7	Dr.H.M.Pate l	M.Sc.,Ph.D.	Associate Professor	Organic Chemistry	15	----
8	Dr.R.H.Para b	M.Sc.,Ph.D.	Associate Professor	Analytical Chemistry	24	----
9	Dr. T. K. Darji	M.Sc.,Ph.D.	Associate Professor	Inorganic & Organic Chemistry	16	----
10	Mr. A. K.Patel	M.Sc.	Associate Professor	Organic Chemistry	19	----
11	Dr. D. M. Patel	M.Sc.,Ph.D.	Associate Professor	Inorganic Chemistry	29	----

- List of senior visiting faculty --Nil--
- Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty --Nil--
- Student -Teacher Ratio (programme wise) : 64 [700/11]
- Number of academic support staff (technical) and administrative staff; sanctioned and filled

Staff	Sanctioned	Filled
Store keeper	01	01
Lab. Assistant	03	01
Lab. Peon	04	04

- Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. Shown in point 10
- Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Dr. H. M. Patel	3.19 lacs	UGC, New Delhi (2012-2015)
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- Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received ----Nil---
- Research Centre /facility recognized by the University : Yes Lab. No. 11B and 15

➤ *Publications:*

- * 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*
- * *Books Edited*
- * *Books with ISBN/ISSN numbers with details of publishers*
- * *Citation Index :*
- * *SNIP*
- * *SJR*
- * *Impact factor*
- * *h-index*

Sr. No.	Name	Publication	Books with ISBN	Books
1	Dr.B.C.Dixit	40	--	01
2	Dr.H.R.Maradiya	32	--	
3	Dr.K.D.Patel	51	--	01
4	Dr.M.M.Moreker	05	--	--
5	Dr.M.K.Valand	11	--	--
6	Dr.G.M.Patel	03	--	--
7	Dr.H.M.Patel	10	02	--
8	Dr.R.H.Parab	05	--	--
9	Dr.T.K.Darji	02	--	--
10	Mr.A.K.Patel	--	--	--
11	Dr. D. M. Patel	03	--	--

➤ *Areas of consultancy and income generated --Nil--*

➤ *Faculty as members in*

a) *National committees* b) *International Committees* c) *Editorial Boards....*

Name	Member	Year
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<i>Dr. B. C. Dixit</i>	<i>Board of studies in Chemistry, S. P. University</i>	<i>2012-2015</i>
<i>Dr. K. D. Patel</i>	<i>Board of studies in Chemistry</i>	<i>2012-2015</i>
<i>Dr. M. K Valand</i>	<i>Board of studies in Chemistry</i>	<i>2012-2015</i>
<i>Dr. H. R. Maradiya</i>	<i>Board of studies in Chemistry</i>	<i>2012-2015</i>
<i>Dr. H. M. Patel</i>	<i>(1)The Association Chemical Technologist of India (2) The Indian Chemical Society</i>	<i>Life Member Life Member</i>

➤ *Student projects ---Nil--*

- Percentage of students who have done in-house projects including inter departmental/programme*
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies*

➤ *Awards/ Recognitions received by faculty and students :*

<i>Dr. H. M. Patel</i>	<i>Second Prize (For Oral Presentation) in National Seminar of New Perspective of Natural Science at NVPAS College, V. V. Nagar</i>
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➤ *List of eminent academicians and scientists/ visitors to the department : ---Nil---*

➤ *Seminars/ Conferences/Workshops organized & the source of funding :*

- National*
- International*

<i>Title</i>	<i>Duration</i>	<i>Funding source</i>
<i>Recent Advances in Chemistry</i>	<i>18th and 19th June 2006. (State Level Seminar)</i>	<i>UGC, New Delhi.</i>
<i>Industrial Motivation Campaign</i>	<i>12th August, 2008</i>	<i>Micro, small and Medium Enterprises, Govt. of India, Ahmadabad.</i>
<i>International year of chemistry Celebration</i>	<i>6th & 7th September, 2011. (State Level)</i>	<i>UGC, New Delhi.</i>

➤ *Student profile programme/course wise:*

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage
T.Y. B.Sc. 2007-08			84/11	85.59
T.Y B.Sc.2008-09			98/31	91.58
T.Y B.Sc. 2009-10			82/33	81.00
T.Y B.Sc. 2010-11			103/33	92.10
T.Y B.Sc. 2011-12			85/34	86.47
T.Y B.Sc. April 2012			85/34	62.28
S.Y. B.Sc. 2007-08			118/32	81.98
S.Y B.Sc.2008-09			86/30	85.42
S.Y B.Sc. 2009-10			82/33	85.00
S.Y B.Sc. 2010-11			82/30	93.00
S.Y B.Sc. 2011-12			100/37	94.69 Sem.III-58.00 Sem.IV-84.85
F.Y. B.Sc. 2007-08			422/272	72.02
F.Y B.Sc.2008-09			382/302	62.37
F.Y B.Sc. 2009-10			347/320	80.00
F.Y B.Sc. 2010-11			394/227	65.00 Sem- I: 19.23 Sem –II: 52.98
B.Sc. Sem- I & II 2011-12			426/278	Sem- I: 19.47 Sem –II:36.07

➤ 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	--	--
Ph.D.	100	--	--

➤ How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

---01.--- SLET-2011-12 :

➤ Student progression

<i>Student progression</i>	<i>Against % enrolled</i>
<i>UG to PG</i>	<i>90-95%</i>
<i>PG to M.Phil.</i>	<i>--</i>
<i>PG to Ph.D.</i>	<i>02</i>
<i>Ph.D. to Post-Doctoral</i>	<i>--</i>
<i>Employed</i>	<i>--</i>
<i>Campus selection</i> <i>Other than campus recruitment</i>	
<i>Entrepreneurship/Self-employment</i>	<i>05%</i>

➤ *Details of Infrastructural facilities*

a) *Library : Yes*

b) *Internet facilities for Staff & Students : Yes*

c) *Class rooms with ICT facility : Yes*

d) *Laboratories 05*

➤ *Number of students receiving financial assistance from college, university, government or other agencies : As per govt. rule to all the reserve category students.*

<i>Cast/Year</i>	<i>2007-08</i>		<i>2008-09</i>		<i>2009-10</i>		<i>2010-11</i>		<i>2011-12</i>	
<i>SC</i>	<i>B 09</i>	<i>G 09</i>	<i>B 05</i>	<i>G 04</i>	<i>B 04</i>	<i>G 12</i>	<i>B 03</i>	<i>G 04</i>	<i>B 09</i>	<i>G 04</i>
	<i>58893.00</i>		<i>29665.00</i>		<i>36910.00</i>		<i>23298.00</i>		<i>111912.00</i>	
<i>ST</i>	<i>B 11</i>	<i>G 17</i>	<i>B 03</i>	<i>G 15</i>	<i>B 06</i>	<i>G 15</i>	<i>B 11</i>	<i>G 16</i>	<i>B 17</i>	<i>G 36</i>
	<i>144623.00</i>		<i>63080.00</i>		<i>56450.00</i>		<i>134130.00</i>		<i>361700.00</i>	
<i>OBC</i>	<i>B 43</i>	<i>G 36</i>	<i>B 38</i>	<i>G 37</i>	<i>B 73</i>	<i>G 53</i>	<i>B 74</i>	<i>G 34</i>	<i>B 74</i>	<i>G 41</i>
	<i>148560.00</i>		<i>153225.00</i>		<i>277090.00</i>		<i>202585.00</i>		<i>318625.00</i>	

➤ *Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : 01 per semester for semester V and VI*

➤ *Teaching methods adopted to improve student learning : Study materials, PPT, O.H.P., Charts and chalk & Duster.*

➤ *Participation in Institutional Social Responsibility and Extension activities : as per college norms.*

➤ *S.W.O.C analysis of the department and Future plans :*

Strength :

- 1. All faculties have a Ph.D. degree except one who is pursuing his Ph.D. degree.*
- 2. All staff are recognized as a Post Graduate teacher.*

3. *Five faculties are recognized as a Ph. D. guide.*
4. *One faculty is engaged with the Major research project funded by UGC, New Delhi.*
5. *One faculty is engaged as a visiting faculty at B. V. M. College, V. V. Nagar.*
6. *All faculties are performing vigorous counseling of the students for their uplifting.*
7. *Have sufficient Laboratory facilities for graduate and Ph.D. students.*
8. *Most of students go for graduate courses [M.Sc./MBA/Ph.D.].*
9. *Department conducts remedial classes regularly for the benefit of poor performing students in their study.*
10. *Department is conducting voluntarily practice test for final year students.*

Weakness :

1. *Deficiency of non-teaching staff.*

Opportunity :

1. *Faculty can perform Industrial consultancy.*
2. *Faculties are able for conducting classes for M. Sc.*
3. *All are able for conducting classes for competitive examination.*

Threats :

1. *Research activity can deteriorate.*

Evaluative Report of the Biology Department

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

Name of the department : DEPARTMENT OF BIOLOGY

- Year of Establishment : 1947
- Names of Programmes : UG
- Names of Interdisciplinary courses and the departments/units involved: NIL
- Annual/ semester/choice based credit system (programme wise):1 TO 6 SEMESTER
- Participation of the department in the courses offered by other departments: MICROBIOLOGY, STATISTICS
- Courses in collaboration with other universities, industries, foreign institutions, etc. :NIL
- Details of courses/programmes discontinued (if any) with reasons: NIL
- Number of Teaching posts

	sanctioned	Filled
Professors	NIL	NIL
Associate Professors	07	07
Asst. Professors	02	02

- Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. J.P.PATEL	P. hd.,M.Sc.	ASSOC.PROF.	Plant Physiology	20	Nil
Dr. A. K. Vishvakarma	P. hd.,M.Sc.	ASSOC.PROF.	Plant Anatomy	21	Nil
Dr. Dali Varghese	P. hd.,M.Sc.	ASSOC.PROF.	Plant Anatomy	20	Nil

Mrs. R.H.Solanki	M.Phill,M.Sc.	ASSOC.PROF.	Plant Physiology	19	Nil
Mrs. M K. Patel	M.Sc.	ASSIT.PROF.	NIL	15	Nil
Dr. N. H. Brahmbhatt	P.hd. M.Phill M.Sc.	ASSOC.PROF.	Phycology	20	Nil
Dr. B. N. Patel	P. hd.,M.Sc.	ASSOC.PROF.	Plant Anatomy	20	Nil
Dr. N. B. Bhatt	P.h d.M.Phill M.Sc.	ASSOC.PROF.	Animal Taxonomy	20	Nil
Dr. R. Z. Bhatti	P. hd.,M.Sc.	ASSI.PROF.	Animal Diversity	06	Nil

- List of senior visiting faculty : NIL
- Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: NIL
- Student -Teacher Ratio (programme wise) : 30:1
- Number of academic support staff (technical) and administrative staff; sanctioned and filled : 01 : Lab Assistant, 01: Plant Collector
- Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. : SAME AS COLOUMN NO :10
- Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : 01(MHRD)
- Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : M.H.R.D.
- Research Centre /facility recognized by the University: S.P.UNIVERSITY
- Publications
 - * a) Publication per faculty : 10
 - * 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*
- * *Books Edited*
- * *Books with ISBN/ISSN numbers with details of publishers*
- * *Citation Index*
- * *SNIP*
- * *SJR*
- * *Impact factor*
- * *h-index*
- *Areas of consultancy and income generated : NIL*
- *Faculty as members in : 04*
 - a) *National committees* b) *International Committees* c) *Editorial Boards....*
- *Student projects*
 - 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*
- *Awards/ Recognitions received by faculty and students : MINAXI LALIT AWARD 2007-2012*
- *List of eminent academicians and scientists/ visitors to the department:*
Dr. K.S. Rao, Dr. T. V.R Rao, Dr. A.S. Reddy
- *Seminars/ Conferences/Workshops organized & the source of funding : NIL*
 - a) *National*
 - b) *International*
- *Student profile programme/course wise:*

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	

*M=Male F=Female

- *Diversity of Students*

Name of the	% of	% of students	% of
-------------	------	---------------	------

Course	students from the same state	from other States	students from abroad

- How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : 02
- 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	10
- Campus selection - Other than campus recruitment	
Entrepreneurship/Self-employment	

- Details of Infrastructural facilities
- a) Library :YES
- b) Internet facilities for Staff & Students : YES
- c) Class rooms with ICT facility: YES
- d) Laboratories: YES
- Number of students receiving financial assistance from college, university, government or other agencies:

YEAR	SC		ST		OBC	
	B	G	B	G	B	G
2007-08	09	09	11	17	43	36
2008-09	05	04	03	15	38	37
2009-10	04	12	06	15	73	53
2010-11	03	04	11	16	74	34
2011-12	09	04	17	36	74	41

- *Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : WORK SHOPS, SEMINAR,*
- *Teaching methods adopted to improve student learning: ICT, INTERNET, ASSIGNMENT, AUDIO-VISUAL, CHART, QUIZ, ETC...*
- *Participation in Institutional Social Responsibility (ISR) and Extension activities: YES*
- *SWOC analysis of the department and Future plans:*

Strength:

- (1) Qualified, Experienced & Dynamic teaching faculties.*
- (2) Well equipped modern laboratory with necessary infrastructure.*
- (3) Expert faculty for e-content*
- (4) Research activity*

Weakness:

- (1) Space constrains for further development of the department.*

Opportunity:

- (1) For recognized research center.*
- (2) To run Career oriented courses.*
- (3) To run awareness Programme in environment*

Challenges:

- (1) To develop interest of students towards the basic and applied and biological sciences.*

Evaluative Report of the Electronics Department

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

- Name of the department: **ELECTRONICS**
- Year of Establishment: **1985**
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): **UG, PhD**
- Names of Interdisciplinary courses and the departments/units involved: **Instrumentation, Electronics and Communication**
- Annual/ semester/choice based credit system (programme wise): **CBCS**
- Participation of the department in the courses offered by other departments: **Nil**
- Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**
- Details of courses/programmes discontinued (if any) with reasons : **Nil**
- Number of Teaching posts

	sanctioned	Filled
Professors	Nil	-
Associate Professors	5	5
Asst. Professors	Nil	-

- 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
Mr. Piyush Lashkari	B.Sc. M. Sc., M.Phil.	Associate Professor	Solid state electronics	27	Nil
Mr. Bholenath. Lashkari	B.Sc. M. Sc., M.Phil.	Associate Professor	Physics SPL Electronics	26	Nil
Dr. M. V. Kumar	B.Sc. M. Sc., M.Phil., Ph.D., Post Doc.	Associate Professor	Solid state electronics/Atomic and Molecular Physics	23	2 – completed, 2 - ongoing
Dr. Minal Patel	B.Sc. M. Sc., M.Phil., Ph.D.	Associate Professor	Solid state Electronics/ Condensed matter	22	Nil

			<i>Physics</i>		
<i>Mr. Kamlesh Raval</i>	<i>B.Sc. M. Sc.</i>	<i>Associate Professor</i>	<i>Electronics</i>	<i>22</i>	<i>Nil</i>

- *List of senior visiting faculty: Nil*
- *Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: Nil*
- *Student -Teacher Ratio (programme wise): 15:1*
- *Number of academic support staff (technical) and administrative staff; sanctioned and filled 2- Technical staff and filled both, and one administrative staff and filled*
- *Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. 2 – MPhil and 2 MPhil and Ph.D*
- *Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: One (National)*
- *Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil*
- *Research Centre /facility recognized by the University: Yes/ Two*
- *Publications: See Appendix – 1*
 - * *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*
 - * *Books Edited*
 - * *Books with ISBN/ISSN numbers with details of publishers*
 - * *Citation Index*
 - * *SNIP*
 - * *SJR*
 - * *Impact factor*
 - * *h-index*
- *Areas of consultancy and income generated : Nil*

- Faculty as members in: **One: Mr. K.C. Raval is a director of Junior Chamber International.**
 - a) National committees b) International Committees c) Editorial Boards....
- Student projects
 - a) Percentage of students who have done in-house projects including inter departmental/programme : **All the students at final year level carried out atleast one subjective project.**
 - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: **Some students carried out training and project in industries.**
- Awards/ Recognitions received by faculty and student: **During last five years 4 gold medal is awarded to our students**
- List of eminent academicians and scientists/ visitors to the department:
 1. **Dr. Bobby K. Anotny Asso. Prof. Indian school of Mines Dhanbad Visited the department under research collaboration.**
 2. **Prof. K.L. Baluja delhi university, Delhi**
 3. Seminars/ Conferences/Workshops organized & the source of funding
 - a)National : **Nil**
 - b)International: **Nil**
 4. Student profile programme/course wise

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage

*M=Male F=Female

5. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad

6. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : **Nil**

7. Student progression

Student progression	Against % enrolled
UG to PG	80%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	-
- Campus selection - Other than campus recruitment	10%
Entrepreneurship/Self-employment	10%

8. Details of Infrastructural facilities

a) Library: **Yes departmental library in addition to common library of collage.**

b) Internet facilities for Staff & Students **Yes**

c) Class rooms with ICT facility **One**

d) Laboratories

9. Number of students receiving financial assistance from college, university, government or other agencies

10. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: **7 special lectures have been arranged of subject experts.**

11. Teaching methods adopted to improve student learning: **ICT method,**

12. Participation in Institutional Social Responsibility (ISR) and Extension activities:

(A) Mr. B.H. Lashkari was invited as judge in science exhibition at Ahmedabad organized by DIET.

(B) Dr. M.V. Kumar acted as judge in oral presentation at GSET eng. College, and delivered a lecturer at BISACG.

13. SWOC analysis of the department and Future plans:

(A)STRENGTHS:-

(i) State of art infrastructure facilities with highly qualified faculties and having rich collection of books and periodicals.

(ii) International collaborative research work with leading scientist from different

countries.

(iii) Undertaken various major and minor research projects from DST & UGC.

(B) WEAKNESSES:-

(i) Though our syllabus is modified frequently but the advancement in technology are too fast to be implemented regularly.

(ii) The application of electronics has penetrated into vast divers applied fields of science and hence justification to all is not possible.

(C) OPPURTUNITIES:-

Students can opt for various P.G. courses apart from specialization like

(i) Physics

(ii) Material science

(iii) Electronics and communication

(iv) Instrumentation

(v) Mobile hardware and networking

(vi) M. B. A.

(vii) M.C. A.

(viii) B.E. in Electronics, space science and Forensic science applied course

(D)CHALLENGES:-

Students are competent enough to accept entrepreneur challenge in small and medium scale industries and be self employed.

Evaluative Report of the Industrial Chemistry Department

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

- Name of the department : **Industrial Chemistry**
- Year of Establishment : **June 1973**
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **Undergraduate and Ph.D**
- Names of Interdisciplinary courses and the departments/units Involved : **N.A.**
- Annual/ semester/choice based credit system (programm wise) : **CBCS & Semester.**
- Participation of the department in the courses offered by other departments :
 - (I) Lecture series “ Chemical Engineering For Nonchemical Engineers “ at Ankleshwar and Dabhasa (Dist. Baroda) Units of Lupin Ltd. 2007-8 & 2011-12
 - (ii) In-Plant training for S.Y.BSc.students of six weeks duration in summer vacation (about 80 students in 30-40 industries, every year)
- Courses in collaboration with other universities, industries, foreign institutions, etc.: **N.A.**
- Details of courses/programmes discontinued (if any) with reasons: **NIL**
- Number of Teaching posts (I) **Industrial Chemistry**

	sanctioned	Filled
Professors	-----	-----
Associate Professors	04	03
Asst. Professors	-----	-----

(II) **Industrial Chemistry (vocational)** : Conducted by Guest faculty and trainee teachers.

- Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students

					<i>guided for the last 4 years</i>
<i>Mr.K.M.Patel</i>	<i>B.E.,M.E</i>	<i>Asso.Proff.</i>	<i>(chem..Engg.)</i>	<i>39</i>	<i>NIL</i>
<i>Dr.V.K.Sinha</i>	<i>M.Sc.,Ph.D., PG.Diploma</i>	<i>Asso. Proff.</i>	<i>(Polymer Sc.) (Marketing Mgt.)</i>	<i>29</i>	<i>03</i>
<i>Dr.P.M.Patel</i>	<i>M.Sc.,Ph.D.</i>	<i>Asso.Proff.</i>	<i>Organic Chemistry</i>	<i>15</i>	<i>02+03</i>

- *List of senior visiting faculty*
- *Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty*
- *Student -Teacher Ratio (programme wise)*
- *Number of academic support staff (technical) and administrative staff; sanctioned and filled*
- *Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.*
- *Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :01(National,U.G.C.)*
- *Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received*
- *Research Centre /facility recognized by the University*
- *Publications:*

Publication per faculty :

Mr.K.M.Patel NIL

Dr.V.K.Sinha 51

Dr.P.M.Patel 39

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

Mr.K.M.Patel NIL

Dr.V.K.Sinha 51

Dr.P.M.Patel 39

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

Books Edited

Books with ISBN/ISSN numbers with details of publishers

Citation Index

SNIP

SJR

Impact factor

h-index

- *Areas of consultancy and income generated; NIL*
- *Faculty as members in*
 - a) National committees b) International Committees c) Editorial Boards: NIL*
- *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*
- *Awards/ Recognitions received by faculty and students: NIL*
- *List of eminent academicians and scientists/ visitors to the department: NIL*
- *Seminars/ Conferences/Workshops organized & the source of funding : NIL*
 - a) National*
 - b) International*
- *Student profile programme/course wise:*

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage

*M=Male F=Female

➤ Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad

➤ How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? **NIL**

➤ Student progression

Student progression	Against % enrolled
UG to PG	98
PG to M.Phil.	Nil
PG to Ph.D.	02
Ph.D. to Post-Doctoral	01
Employed	02
• Campus selection • Other than campus recruitment	
Entrepreneurship/Self-employment	

➤ Details of Infrastructural facilities : **All of the followings**

a) Library

b) Internet facilities for Staff & Students

c) Class rooms with ICT facility

d) Laboratories

➤ Number of students receiving financial assistance from college, university, government or other agencies

➤ Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: **NIL**

➤ Teaching methods adopted to improve student learning: **As per the college norms.**

➤ Participation in Institutional Social Responsibility (ISR) and Extension activities:
As per the college norms.

- *SWOC analysis of the department and Future plans*

Strength:

- *Bridge course between Chemical Engineering and Pure Chemistry and hence it caters the need of technical manpower to industries about 40 years.*
- *U.G and P.G program in the subject is available on campus.*
- *U.G.C has also recognized the subject hence U.G vocational course is with the department.*
- *Staff comprises of Chemical Engineer and doctorate in pure chemistry and applied chemistry.*

Weakness:

- *Teaching and non-teaching staff is not sufficient, looking to the number of student enrolled.*
- *Space for practicals, staff, storage etc is not enough.*

Opportunities:

- *M.Phil program in Industrial Chemistry.*
- *Integrated post graduate program after H.S.C.*
- *Research/Ph.D. program in collaboration with industries.*

Challenges:

- *Time constraint with limited number of staff to have rapport with industry and burden of research activities.*

Evaluative Report of the Mathematics and Statistic Departments

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

- Name of the department: **Mathematics and Statistics**
- Year of Establishment: **1947**
- Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
- Names of Interdisciplinary courses and the departments/units involved: Nil.
- Annual/ semester/choice based credit system (programme wise) : Semester, CBCS
- Participation of the department in the courses offered by other departments: Yes
- Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil.
- Details of courses/programmes discontinued (if any) with reasons: Nil.
- Number of Teaching posts

	Sanctioned	Filled
Professors	--	--
Associate Professors	2	2
Asst. Professors	2	2

- 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
Nilesh Y Patel	M.Sc., M. Phill	Asst. Professor	Algebra	14	--
Rajesh P Solanki	M.Sc., M. Phill	Asst. Professor	Algebra	14	--
Sarojben V Pandya	M.Sc.	Asso. Professor	Operations Research & Probability	40	--
Harish B Madhwani	M.Sc.	Asso. Professor	Biostatistics & Pascal	20	--

			<i>Programming</i>		
--	--	--	--------------------	--	--

- *List of senior visiting faculty: Nil*
- *Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: 50%*
- *Student -Teacher Ratio (programme wise): 100:1*
- *Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil*
- *Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.: As Above*
- *Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil*
- *Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil*
- *Research Centre /facility recognized by the University: Nil*
- *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*
 - * *Books Edited*
 - * *Books with ISBN/ISSN numbers with details of publishers*
 - * *Citation Index*
 - * *SNIP*
 - * *SJR*
 - * *Impact factor*
 - * *h-index*
- *Areas of consultancy and income generated: Nil*
- *Faculty as members in : Nil*
 - a) *National committees b) International Committees c) Editorial Boards....*
- *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

- Awards/ Recognitions received by faculty and students: Nil
- List of eminent academicians and scientists/ visitors to the department: Nil
- Seminars/ Conferences/Workshops organized & the source of funding : Nil

a)National

b)International

- Student profile programme/course wise: Nil.

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage

*M=Male F=Female

- Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. Sc.	95%	5%	--

- How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc? ? : 10
- Student progression

Student progression	Against % enrolled
UG to PG	About 80%
PG to M.Phil	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--

Student progression	Against % enrolled
Employed	5%
• Campus selection • Other than campus recruitment	
Entrepreneurship/Self-employment	--

➤ *Details of Infrastructural facilities :*

a) *Library: About 150 books*

b) *Internet facilities for Staff & Students:*

1. *One computer, Laptop and all in one printer for Staff.*
2. *Laboratory with 10 computers for students.*

c) *Class rooms with ICT facility: One class room*

d) *Laboratories: Two laboratories*

➤ *Number of students receiving financial assistance from college, university, government or other agencies: Nil*

➤ *Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Nil*

➤ *Teaching methods adopted to improve student learning: Seminar, Quiz and Presentation*

➤ *Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil*

➤ *SWOC analysis of the department and Future plans:*

Strengths:

1. *Ours is the only department in Gujarat that has accepted the courses as indicated in the model proposal by the UGC, especially imparting mathematical education through the use of softwares.*
2. *Department has its own computer lab to perform practicals.*
3. *Department provides study materials, question banks and problem sets to the students of FY/SY/TY B.Sc. levels.*
4. *Department has formed Ramanujan Mathematics Club to motivate students for the subject by arranging exhibition, guest lectures, workshops and seminars.*

Weaknesses:

1. *Shortage of permanent staff / Faculty.*
2. *Insufficient infrastructural facilities for staff.*
3. *Insufficient Laboratory facilities.*

4. *Non-availability of peon and lab Assistants.*

Opportunities:

1. *Department can easily avail the resources from the PG dept. of mathematics and Statistics, S P University, VVNagar.*
2. *Students/ Faculties can avail the facilities of reference work in library of NBHM, Western Region at PG department of Mathematics, S P University. NBHM library provides opportunity to access various journals and books.*

Challenges:

1. *Due to insufficient number of permanent faculty in the department it really becomes difficult to make the functioning of the department effective from the very beginning of the term.*
2. *Difficulty in running the departmental activities efficiently with frequently changing faculties.*
3. *Challenges regarding training the new faculty (Adhoc) due to frequent personnel turnover every year.*
4. *It is difficult to develop a formalized work culture in the department as it requires to assimilate newer and newer faces every year.*

Evaluative Report Microbiology Department

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

- Name of the department : Microbiology
- Year of Establishment : 1972
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG & Ph.D
- Names of Interdisciplinary courses and the departments/units involved : Nil
- Annual/ semester/choice based credit system (programme wise) : Semester & CBCS.
- Participation of the department in the courses offered by other departments : One Elective Course Offered for Botany & Zoology Students at Third & Fourth Semester.
- Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
- Details of courses/programmes discontinued (if any) with reasons : Nil
- Number of Teaching posts

	sanctioned	Filled
Professors	-	-
Associate Professors	06	06
Asst. Professors	-	-

- 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. H. N. Patel	M.Sc, Ph.D	Associate Professors	Siderophores Biochemistry-Enzymology	31 Years	01 is Completed & 02 are working.
Mrs. P. B. Patel	M.Sc	Associate Professors	-	21 years	-
Mrs. S. K. Menon	M.Sc	Associate Professors	-	21 years	-
Mr. A. A. Shukla	M.Sc	Associate Professors	-	20 years	-
Mr. S. A. Shaikh	M.Sc	Associate Professors	-	14 years	-
Mrs. V. M. Patel	M.Sc	Associate Professors	-	14 years	-

- List of senior visiting faculty : Nil
- Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : Nil
- Student -Teacher Ratio (programme wise)
- Number of academic support staff (technical) and administrative staff; sanctioned and filled : 06 - Teaching; 01 – Laboratory assistant(Adhoc by CVM) ; 04 – Peons (01 – Permanent & 03 – By CVM)
- Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.: 1 – M.Sc , Ph.D & 5 – M.Sc
- Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil
- Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : 01 – Minor Research Project Of Rs. 97000 /- (2008-2010).
- Research Centre /facility recognized by the University : Sardar Patel University.
- Publications:
 - * Publication per faculty :
 - Dr. H. N. Patel : 04
 - * Number of papers published in peer reviewed journals (national / international) by faculty and students : 04

- *Areas of consultancy and income generated : Nil*
- *Faculty as members in : a) National committees b) International Committees c) Editorial Boards... : Nil*
- *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*
- *Awards/ Recognitions received by faculty and students :*

Raghita P . Chruvattil Received 1st prize in Minaxi-Lali Science Award Test organized by Gujarat Science Academy in Year 2008-2009.

24. *List of eminent academicians and scientists/ visitors to the department :*

- *Prof. S. K. Khare, Enzyme & Microbial Biochemistry Laboratory, Department of Chemistry, Indian Institute of Technology Delhi, New Delhi – 110016 Visited the Department on 16/08/2012.*
- *Seminars/ Conferences/Workshops organized & the source of funding*
 - a)National -- Nil
 - b)International --- Nil
- *Student profile programme/course wise :*
 - No. of Students enrolled

Academic Year 2007-2008

<i>Class</i>	<i>No. of Students enrolled</i>	<i>Boys</i>	<i>Girls</i>
<i>S. Y.B.Sc</i>	<i>113</i>	<i>13</i>	<i>100</i>
<i>T. Y.B.sc</i>	<i>95</i>	<i>11</i>	<i>84</i>

Academic Year 2008-2009

<i>Class</i>	<i>No. of Students enrolled</i>	<i>Boys</i>	<i>Girls</i>
<i>S. Y.BSc</i>	<i>97</i>	<i>4</i>	<i>93</i>
<i>T. Y.Bsc</i>	<i>105</i>	<i>6</i>	<i>99</i>

Academic Year 2009-2010

<i>Class</i>	<i>No. of Students enrolled</i>	<i>Boys</i>	<i>Girls</i>
<i>S. Y.BSC</i>	<i>66</i>	<i>13</i>	<i>53</i>
<i>T. Y.Bsc</i>	<i>92</i>	<i>07</i>	<i>85</i>

Academic Year 2010-2011

Class	No. of Students enrolled	Boys	Girls
S.Y.BSc	83	10	73
T.Y.Bsc	111	10	101

Academic Year 2011-2012

Class	No. of Students enrolled	Boys	Girls
S.Y.BSc sem III & IV	63	13	50
T.Y.Bsc	79	6	73

➤ Results of the Students

2007-2008

Class	No. of Students appeared	Result(%)
S.Y.B.Sc	99	90.91
T.Y.B.Sc	128	85.16

2008-2009

Class	No. of Students appeared	Result(%)
S.Y.B.Sc	112	90.18
T.Y.B.Sc	95	78.95

2009-2010

Class	No. of Students appeared	Result(%)
S.Y.B.Sc	94	87
T.Y.B.Sc	105	77

2010-2011

Class	No. of Students appeared	Result(%)
S.Y.B.Sc	107	93
T.Y.B.Sc	89	66

2011-2012

Class	No. of Students appeared	Result(%)
S.Y.B.Sc Sem III	61	43.86
IV Sem	55	40.23
T.Y.B.Sc	78	61.54

➤ Gold Plated Medal From V.P.M.Golden Jubilee Fund.

Year	Name of the Student
2007-08	Ms.Sarla Savaliya
2008-09	Ms.Ragithakumari P.

2009-10	Ms.Jinal Patel
2010-11	Ms.Rachana Patel

➤ *Diversity of Students*

Academic Year	Name of the Course	No.of students from the same state	No. of students from other States	No.of students from abroad
2007-2008	S.Y.B.Sc T.Y.B.Sc	112 95	Nil	01
2008-2009	S.Y.B.Sc T.Y.B.Sc	97 104	Nil	01
2009-2010	S.Y.B.Sc T.Y.B.Sc	65 92	Nil	01
2010-2011	S.Y.B.Sc T.Y.B.Sc	83 110	Nil	01
2011-2012	S.Y.B.Sc T.Y.B.Sc	63 79	Nil	Nil

- *How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? -- Nil*

➤ *Student progression*

Student progression	Against % enrolled
UG to PG	Approximately 45 to 50 %
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	-
- Campus selection - Other than campus recruitment	-
Entrepreneurship/Self-employment	-

➤ *Details of Infrastructural facilities*

- a) *Library : One common college Library and Departmental Library.*
- b) *Internet facilities for Staff & Students : One Broadband connection for the Staff and a Internet Laboratory for the staff and students.*
- c) *Class rooms with ICT facility : Class Room No. 8 & 39 in which our classes are conducted are provided with Multimedia projector.*

d) Laboratories : 01 (No.52) - for UG students & 01 (No.55) – for Research

- Number of students receiving financial assistance from college, university, government or other agencies : Nil
- Details on student enrichment programmes (special lectures / workshops / seminar) with external experts :

Guest Lectures Arranged :

Topic	Name & Designation of the Guest Speaker	Date	Class
Introduction To Bioinformatics	Dr. Ujjval Trivedi, Reader, Department of Biosciences, Sardar patel University	07/08/2007	T.Y.B.Sc
Bioinformatics & its Applications	Dr. Ujjval Trivedi, Reader, Department of Biosciences, Sardar patel University	22/01/2010	T.Y.B.Sc

- Teaching methods adopted to improve student learning : Along with the usual Blackboard, use of Overhead Projector and PowerPoint presentation using Multimedia projector methods have been adopted in Teaching & Learning.
- Participation in Institutional Social Responsibility (ISR) and Extension activities : Students are joining NSS & NCC.
- SWOC analysis of the department and Future plans : -

Strength:

- (1) Qualified, Experienced & Dynamic teaching faculties.
- (2) Well equipped modern laboratory with necessary infrastructure.
- (3) Sardar Patel University Recognized center for research activities.

Weakness:

- (1) Space constrains for further development of the department.

Opportunity:

- (1) Opportunity for doing research for Ph.D.

Challenges:

- (1) To develop interest of students towards the basic sciences.

Evaluative Report of the Computer Science Department

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

- Name of the department : Computer Science
- Year of Establishment : 27/09/1985
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
- Names of Interdisciplinary courses and the departments/units involved : NIL
- Annual/ semester/choice based credit system (programme wise) (CBCS) Semester
- Participation of the department in the courses offered by other departments : ICT Foundation for BSc SEM I and SEM II
- Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
- Details of courses/programmes discontinued (if any) with reasons : Nil
- Number of Teaching posts

	sanctioned	Filled
Professors		
Associate Professors	1	1
Asst. Professors	4	NIL

- Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
SADHU RAJESHBHAI HANUMANDAS	M.Sc., P.G.D.C.A.	Asso. Professor	Computer Science	21	Nil

- List of senior visiting faculty : Nil
- Percentage of lectures delivered and practical classes handled(programme wise) by temporary

faculty : 66%

- *Student -Teacher Ratio (programme wise) : 19:1*
- *Number of academic support staff (technical) and administrative staff; sanctioned and filled : Nil*
- *Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. : PG*
- *Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil*
- *Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : UGC*
- *Research Centre /facility recognized by the University : Nil*
- *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*
 - * *Books Edited*
 - * *Books with ISBN/ISSN numbers with details of publishers*
 - * *Citation Index*
 - * *SNIP*
 - * *SJR*
 - * *Impact factor*
 - * *h-index*
- *Areas of consultancy and income generated : Nil*
- *Faculty as members in : Nil*
 - a) National committees b) International Committees c) Editorial Boards....*
- *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*
- *Awards/ Recognitions received by faculty and students : Nil*
- *List of eminent academicians and scientists/ visitors to the department : NIL*
- *Seminars/ Conferences/Workshops organized & the source of funding*
 - a)National: NIL*
 - b)International NIL*

- Student profile programme/course wise: *NIL*

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage

**M=Male F=Female*

- Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad

- How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : *Nil*

- Student progression

Student progression	Against % enrolled
<i>UG to PG</i>	100%
<i>PG to M.Phil.</i>	
<i>PG to Ph.D.</i>	
<i>Ph.D. to Post-Doctoral</i>	
<i>Employed</i> <i>Campus selection</i> <i>Other than campus recruitment</i>	1
<i>Entrepreneurship/Self-employment</i>	

- Details of Infrastructural facilities

a) Library

b) Internet facilities for Staff & Students

c) Class rooms with ICT facility

d) Laboratories

- Number of students receiving financial assistance from college, university, government or other agencies *NIL*

- *Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : Four (4)*
- *Teaching methods adopted to improve student learning : LCD Projector*
- *Participation in Institutional Social Responsibility (ISR) and Extension activities*
- *SWOC analysis of the department and Future plan*

Strength:

- *Awareness of current technology by the staff.*
- *Team work spirit among the staff.*
- *Good laboratory and internet facility.*
- *Students are encouraged by providing seminars on latest IT topics.*
- *Continuous evaluation of students through quiz competition, programming competition along with close interaction of faculty with students.*
- *Provides the Good and Sound IT professionals.*
- *Wide scope for the students after U.G.*

Weakness:

- *Teaching and Technical staff is not sufficient.*
- *Space for staff, storage etc is not enough.*

Opportunities:

- *M. Phil and Doctorate program in Computer Science.*
- *Integrated post graduate program after H.S.C.*
- *Good Internet facility to be exploited to strengthen research activity.*
- *To put efforts for overall development of students.*

Challenges:

- *Time constraint with limited number of staff to have rapport with industry and burden of research activities.*

Evaluative Report of the Physics Departments

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

- Name of the department: Physics
- Year of Establishment: 1947
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG
- Names of Interdisciplinary courses and the departments/units involved: Nil
- Annual/ semester/choice based credit system (programme wise): CBCS
- Participation of the department in the courses offered by other departments: Nil
- Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
- Details of courses/programmes discontinued (if any) with reasons : Nil
- Number of Teaching posts

	sanctioned	Filled
Professors	Nil	Nil
Associate Professors	09	09
Asst. Professors	01	01
Part Time	01	01

- Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr P M Patel	M Sc,M.Phil,Ph.D	Head& Asso. Prof	Theoretical Atomic & Molecular Physics	22	Nil
Dr(Mrs)R S	M Sc,M.Phil,Ph.D	Asso.	Solar Energy	35	Nil

Patel		Prof	and Thermal Applications		
Mr G P Vaghela	M Sc,M.Phil	Asso. Prof	Solid State Electronics	35	Nil
Dr J K Baria	M Sc,M.Phil,Ph.D	Asso. Prof	Computational Condensed Matter Physics	21	Nil
Dr A R Jivani	M Sc,M.Phil,Ph.D	Asso. Prof	Computational Condensed Matter Physics	21	Nil
Dr T H Patel	M Sc,Ph.D	Asso. Prof	Condensed Matter Physics (Experimental)	18	Nil
Dr P S Vyas	M Sc,M.Phil,Ph.D	Asso. Prof	Condensed Matter Physics	19	Nil
Mrs S P Shukla	M Sc,M.Phil	Asso. Prof	Condensed Matter Physics	20	Nil
Dr M V Mehta	M Sc,Ph.D	Asso. Prof	Physics of Sun	20	Nil
Mr L K Chauhan	M Sc	Assi. Prof	Solid state physics & Applied Electronics	26	Nil
Mrs J N Batra	M Sc,M.Phil	Part-Time Asso. Prof.	Condensed Matter Physics	15	Nil

- *List of senior visiting faculty : Nil*
- *Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: Nil*
- *Student -Teacher Ratio (programme wise)*
- *Number of academic support staff (technical) and administrative staff; sanctioned and filled: 01(Lab Assistance)*
- *Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.*
- *Number of faculty with ongoing projects from a) National b) International funding agencies and grants received Nil*
- *Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received*

Sr.No	Name of Faculty	Agency	Grant Received
1	Dr P M Patel	UGC Minor Research Project	77,000/-
2	Dr J K Baria	UGC Minor Research Project	1,00,000/-
3	Dr A R Jivani	UGC Minor Research Project	70,000/-
4	Dr P S Vyas	UGC Minor Research Project	80,000/-
5	Dr M V Mehta	UGC Minor Research Project	75,000/-
6	Dr T H Patel	UGC Minor Research Project	92,500/-

- *Research Centre /facility recognized by the University*
- *Publications:*
 - * *a) Publication per faculty*
 - * *Number of papers published in peer reviewed journals (national / international) by faculty and students*

Sr. No	Name of Faculty	National	International
1	Dr P M Patel	05	12
2	Dr R S Patel	10	02
3	Dr J K Baria	----	36
4	Dr A R Jivani	07	08
5	Dr T H Patel	-----	10
6	Dr P S Vyas	04	09
7	Dr M V Mehta	-----	09

- *Areas of consultancy and income generated : Nil*
- *Faculty as members in*

a) National committees b) International Committees c) Editorial Boards....

➤ 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

➤ Awards/ Recognitions received by faculty and students: Nil

➤ List of eminent academicians and scientists/ visitors to the department:

Sr No	Name	Institute
1	Prof. K L Baluja	Department of Physics, University of Delhi
2	Prof H O Vats	Physical Research Laboratory, Ahmedabad
3	Prof. R.K.Thareja	Head, Centre for Development of Technical Education Indian Institute of Technology Kanpur(IIT)
4	Prof. A.R.Jani	Dean, Faculty of Science Department of Physics, Sardar Patel University Vallabh Vidyanagar 388 120
5	Prof. K.N Joshipura	Director, Community Science Centre S.P.University, V.V.Nagar
6	Prof. P.C.Vinodkumar	Department of Physics Sardar Patel University, Vallabh Vidyanagar 388 120

➤ Seminars/ Conferences/Workshops organized & the source of funding

Sr No	Conference/Workshop	Source of funding
1	National Conference on Recent Trends in Theoretical and Experimental Physics (NCRTEP-2011)	UGC, GUJCOST
2	A workshop on "CBCS compliant syllabus for Semester III to VI of B. Sc. (Physics)"	Sponsored by IQAC Cell, Sardar Patel University, Vallabh

		Vidyanagr
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➤ *Student profile programme/course wise: Nil*

<i>Name of the Course/programme (refer question no. 4)</i>	<i>Applications received</i>	<i>Selected</i>	<i>Enrolled</i> <i>*M *F</i>	<i>Pass percentage</i>

**M=Male F=Female*

➤ *Diversity of Students*

<i>Name of the Course</i>	<i>% of students from the same state</i>	<i>% of students from other States</i>	<i>% of students from abroad</i>

➤ *How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? Nil*

➤ *Student progression*

<i>Student progression</i>	<i>Against % enrolled</i>
<i>UG to PG</i>	
<i>PG to M.Phil.</i>	
<i>PG to Ph.D.</i>	
<i>Ph.D. to Post-Doctoral</i>	
<i>Employed</i> <i>Campus selection</i> <i>Other than campus recruitment</i>	

<i>Student progression</i>	<i>Against % enrolled</i>
<i>Entrepreneurship/Self-employment</i>	

➤ *Details of Infrastructural facilities*

- a) *Library – Central facility is available in the college*
- b) *Internet facilities for Staff & Students – One terminal of Broadband is provided by college*
- c) *Class rooms with ICT facility-*
- d) *Laboratories:*

<i>Class</i>	<i>Room No</i>	<i>Size</i>
<i>F.Y.B.Sc Laboratory</i>	<i>10</i>	<i>30×60</i>
<i>S.Y.B.Sc Laboratory</i>	<i>28</i>	<i>30×30 General Lab</i> <i>30×10 Dark Room</i>
<i>T.Y.B.Sc Laboratory</i>	<i>27</i>	<i>30×30</i>
<i>Research Laboratory</i>	<i>29</i>	<i>30×20</i>

- *Number of students receiving financial assistance from college, university, government or other agencies--Nil*
- *Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:*
- *Teaching methods adopted to improve student learning: Use multimedia for teaching*
- *Participation in Institutional Social Responsibility (ISR) and Extension activities*
- *SWOC analysis of the department and Future plans*

Strength:

- 1. 9 out of 11 faculties are Doctorate in Physics.*
- 2. 3 faculties are recognized as Research Guide.*
- 3. Majority of the faculties are recognized as PG Teacher.*
- 4. Majority of the staff has finished at least one Minor Research Project.*
- 5. One Major Research Project is ongoing.*
- 6. The department is funded more than 15 lacs rupees by UGC for various Research projects in last five years.*
- 7. More than 50 research papers published in reputed International Journals during last five years.*
- 8. Eight faculties presented research paper in International conferences.*
- 9. Six faculties have visited Foreign Countries for Research Purpose.*
- 10. A National Conference supported by UGC was organised by the department with more than 300 participants.*

Weak:

- 1. The student-teacher ratio is not proper.*

2. *The infrastructural facilities are not at par with the requirements.*
3. *We have not strong collaboration with the industries.*

Opportunity:

1. *We can design the curriculum that satisfies the present industrial requirements.*
2. *The student-teacher ratio can be maintained properly to enhance the quality of education.*
3. *Orientation and training programs to be scheduled for preparation of competitive examinations.*

Threats:

1. *Continuous evaluation system must be effectively observed.*
2. *High student-teacher ratio effects the quality of teaching and analysis work.*
3. *Infrastructural facilities should be improved as per the input and industrial environment.*

Evaluative Report of the English Department

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

- Name of the department : English
- Year of Establishment: 1947
- Names of Programmes / Courses offered :English as a Compulsory Subject.
- Names of Interdisciplinary courses and the departments/units involved: None
- Annual/choice based credit system (programme wise): (CBCS)Semester
- Participation of the department in the courses offered by other departments: N A
- Courses in collaboration with other universities, industries, foreign institutions, etc.:
SCOPE Programme offered by the Government of Gujarat in collaboration with Cambridge University
- Details of courses/programmes discontinued (if any) with reasons : None
- Number of Teaching posts

	sanctioned	Filled
Professors	Nil	
Associate Professors	01	01
Asst. Professors	1	NIL

- Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. C R Gurjar	Ph. D.	Associate Professor	English	20	Nil

- List of senior visiting faculty: Nil
- Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: 50%
- Student -Teacher Ratio (programme wise): 30:1
- Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil

- *Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.: 01*
- *Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil*
- *Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil*
- *Research Centre /facility recognized by the University: None*
- *Publications:*
 - * *Publication per faculty: None*
 - * *Number of papers published in peer reviewed journals (national / international) by faculty and students: None*
 - * *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.) : None*
 - * *Monographs: None*
 - * *Chapter in Books: None*
 - * *Books Edited : None*
 - * *Books with ISBN/ISSN numbers with details of publishers: None*
 - * *Citation Index : None*
 - * *SNIP: None*
 - * *SJR: None*
 - * *Impact factor : Not Applicable*
 - * *h-index : N A*
- *Areas of consultancy and income generated : None*
- *Faculty as members in*
 - a) *National committees b) International Committees c) Editorial Boards.... None*
- *Student projects : N A*
 - 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: None*
- *Awards/ Recognitions received by faculty and students:*
 - *University Topper in B A in the year 1990*
 - *Scholarship received from Sardar Patel University during P G course*
- *List of eminent academicians and scientists/ visitors to the department: None*

- *Seminars/ Conferences/Workshops organized & the source of funding : None*

a)National

b)International

- *Student profile programme/course wise: N A*

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage

**M=Male F=Female*

- *Diversity of Students : N A*

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad

- *How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : N A*

- *Student progression*

Student progression	Against % enrolled
<i>UG to PG</i>	<i>N A</i>
<i>PG to M.Phil.</i>	<i>N A</i>
<i>PG to Ph.D.</i>	<i>N A</i>
<i>Ph.D. to Post-Doctoral</i>	<i>N A</i>
<i>Employed</i>	<i>N A</i>
<i>Campus selection</i> <i>Other than campus recruitment</i>	
<i>Entrepreneurship/Self-employment</i>	<i>N A</i>

- *Details of Infrastructural facilities*
 - a) *Library: Yes*
 - b) *Internet facilities for Staff & Students : Yes*
 - c) *Class rooms with ICT facility: Yes*
 - d) *Laboratories: Yes*
- *Number of students receiving financial assistance from college, university, government or other agencies: N A*
- *Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: None*
- *Teaching methods adopted to improve student learning:*
 - *Use of ICT*
 - *Interactive Method*
 - *Role Play*
 - *Chalk and Talk*
- *Participation in Institutional Social Responsibility (ISR) and Extension activities:*
 - *The department guides students who wish to participate in various academic and extracurricular activities.*
 - *The department also is a center for scope which is a government of Gujarat initiative to impart English language skills to students of Gujarat to improve their employability.*
- *SWOC analysis of the department and Future plans:*

Strengths:

 - Qualified and dedicated staff*
 - Digital language lab ,language software and internet facility*
 - Multimedia lab*

Weakness:

Not being able to give more time improving the English language skills of students.

Time and space constraint

Not being able to utilize facilities optimally

Not able to run any extra coaching classes / remedial class due to time –table and infra Structural constraints.

Opportunities:

Better use of language software for the benefit of the students.

Use of internet for teaching.

Could be a SCOPE exam centre.

Could be a centre to impart short term courses in English.

Challenges:

Finding time slots to introduce short term courses.

Motivating students to give more time to develop English language skills.

Evaluative Report of BCA Departments

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

- Name of the department : B. C. A. Department
- Year of Establishment : 2006
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :B.C.A. (UG)
- Names of Interdisciplinary courses and the departments/units involved : None
- Annual/ semester/choice based credit system (programme wise) : Semester
- Participation of the department in the courses offered by other departments : None
- Courses in collaboration with other universities, industries, foreign institutions, etc. : None
- Details of courses/programmes discontinued (if any) with reasons : NA
- Number of Teaching posts

	sanctioned	Filled
Professors		
Associate Professors		
Asst. Professors	8	5*

*No deficiency – (it is due to fall in number of students)

- 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 O S Srivastava	Ph.D.	Head	Simulation and System Software Development	30 yrs	
Mr Dhavat Shah	MCA	Asstt. Prof.	Comp.Sc., Web Designing & Development	7.6 yrs	-
Mrs. Subodhani Gupta	MCA	Asstt. Prof.	Comp. Sc. Data Mining & Graph Theory	5.5 yrs	-
Mrs Megha Patel	MCA	Asstt. Prof.	Comp. Sc. Cheminformatics	4 yrs	-
Mr Ashish Joshi	MCA	Asstt. Prof.	Comp. Sc. Web Symentic	6 yrs	-

			mining		
Mr Navtej Bhatt	MCA	Asstt. Prof.	Comp. Sc. Web Designing for Library ; Data Mining	4 yrs	-

- *List of senior visiting faculty : None*
- *Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : None*
- *Student -Teacher Ratio (programme wise) : 25:1*
- *Number of academic support staff (technical) and administrative staff; sanctioned and filled : 2, 1*
- *Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. : 1*
- *Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : None*
- *Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : -*
- *Research Centre /facility recognized by the University : -*
- *Publications:*
 - * *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*
 - * *Books Edited*
 - * *Books with ISBN/ISSN numbers with details of publishers*
 - * *Citation Index*
 - * *SNIP*
 - * *SJR*
 - * *Impact factor*
 - * *h-index*
- *Areas of consultancy and income generated : -*
- *Faculty as members in*
 - a) *National committees* b) *International Committees* c) *Editorial Boards.....: None*
- *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 : None

➤ Awards/ Recognitions received by faculty and students : One

(Mr Dhavat was awarded Salient Professional award)

➤ List of eminent academicians and scientists/ visitors to the department : None

➤ Seminars/ Conferences/Workshops organized & the source of funding

a)National

b)International

➤ Student profile programme/course wise: NA

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

*M=Male F=Female

➤ Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----
-----	-----	-----	-----

➤ How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? :none

➤ Student progression

Student progression	Against % enrolled
UG to PG	100%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	

Student progression	Against % enrolled
Employed • Campus selection • Other than campus recruitment	
Entrepreneurship/Self-employment	

- *Details of Infrastructural facilities*
- a) Library : Yes (Centralized)
- b) Internet facilities for Staff & Students : Yes
- c) Class rooms with ICT facility : Yes
- d) Laboratories : Yes
- *Number of students receiving financial assistance from college, university, government or other agencies -*
- *Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : Time to time experts' lectures are arranged in the department*
- *Teaching methods adopted to improve student learning : Latest teaching means like LCD projectors along with chalk and board*
- *Participation in Institutional Social Responsibility (ISR) and Extension activities : None*
- *SWOC analysis of the department and Future plans*

S.No.	S	S.No.	W
1	Well qualified and enthusiastic faculty – always ready to learn and update themselves with fast changing Information Technology field and some of them are pursuing research for Ph.D. degree/	1.	Lack of moral boosting of faculty from the organization – creating dissatisfaction in job along with absence of highly specialized Inter-disciplinary subject expert faculty and absence of active participation in research activity by faculty.
2.	Continuous evaluation of students through quizzes, seminars etc. along with close interaction of faculty with students, specially with counselor.	2.	Poor infrastructure – absence of proper sitting space for faculty and lack of cleanliness and poor electric fitting – specially fans in class rooms for students. Poor utilization of centralized library facility by staff and students.
3.	Good laboratory and Internet facility.	3.	Shortage of technical staff and peons affecting laboratory and class room maintenance.
4.	Team work spirit among the staff.	4.	Fail to fulfill organization target of 100% result of students. Decline in number of admissions in First year.
S.No.	O	S.No.	C
1.	More faculty motivation for students	1.	Changing of jobs by staff.

	<i>to take up studies seriously.</i>		
2.	<i>To put efforts for overall development of students.</i>	2.	<i>Dissatisfaction among students because of poor class room environment.</i>
3.	<i>Good Internet facility to be exploited to strengthen research activity.</i>	3.	<i>Affect in practical teaching to students.</i>
4.	<i>To make efforts to generate money through software projects from outside</i>	4.	<i>Poor performance of students and its cascading effect in decline in number of students taking admission.</i>

The department intends to make efforts to start UGC recognized Vocational IT related courses in near future.



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
Vithalbhai Patel & Rajratna P. J. Patel
Science College*

*Vallabh Vidyanagar, Dist. Anand
affiliated to Sardar Patel University, Gujarat as*

Accredited

at the B⁺⁺ level.

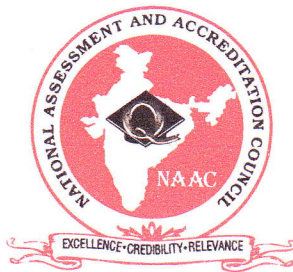
Date : March 31, 2007



K. Anand
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, 2007/013



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

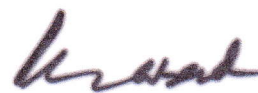
Name of the Institution : Vithalbhai Patel & Rajratna P. T. Patel
Science College

Place : Vallabh Vidyanagar, Dist. Anand, Gujarat

Criterion	Weightage (W_i)	Criterion Score (C_i)
I. Curricular Aspects	100	80
II. Teaching-Learning and Evaluation	400	302
III. Research, Consultancy and Extension	50	42
IV. Infrastructure and Learning Resources	150	137
V. Student Support and Progression	100	75
VI. Organization and Management	100	85
VII. Healthy Practices	100	80
Total	$\Sigma W_i = 1000$	$\Sigma C_i = 801$

$$\text{Institutional Score} = \frac{\Sigma C_i}{\Sigma W_i} \times 100 = \frac{801}{1000} \times 100 = 80.10$$

Date : March 31, 2007


Director

UNIVERSITY GRANTS COMMISSION
BAHADUR SINGH ZAFAR MARG
NEW DELHI

Dated 24 JUN 1977

F.8-91/77(2)

The Registrar,
Sardar Patel University,
Vallabh Vidyanagar,
(Gujarat).

List of Colleges prepared under Section 2(f) of the UGC Act 1956.

I am directed to refer to your endorsement No.K-1/1216 dated 5.5.1977 on the subject noted above and to say that the Commission has agreed to the Unification of four colleges into two colleges as under:-

<u>Name of the College</u>	<u>New Name after Unification</u>
Nalini & Arvind Arts College, Vallabh Vidyanagar. merged in T.V. Patel Arts College, Vallabh Vidyanagar.	(1) Nalini, Arvind and T.V. Patel Arts College, Vallabh Vidyanagar.
Vithalbhai Patel Mahavidyalaya, Vallabh Vidyanagar. merged in Rajratna P.T. Patel Science College, Vallabh Vidyanagar.	(2) Vithalbhai Patel and Rajratna P.T. Patel Science College, Vallabh Vidyanagar.

The names of all the above four colleges have been deleted from the list of colleges prepared under Section 2(f) of the U.G.C. Act and the names of following new unified colleges have been included in the list of Govt. Colleges teaching upto Bachelor's Degree.

1. Nalini, Arvind & T.V. Patel Arts College,
Vallabh Vidyanagar.
2. Vithalbhai Patel and Rajratna P.T. Patel
Science College, Vallabh Vidyanagar.

The University is requested to send the Indemnity Bonds and other documents in respect of new unified colleges.

CERTIFIED TRUE COPY

Yours faithfully,

(Signature)
(Inder Lal)
Assistant Secretary

2-24-77 Vallabh Vidyanagar

AM : "UNIVERSITY"

Phone : (02692) 226808, 226885, 226802

Fax : (02692) 230309

**SARDAR PATEL UNIVERSITY**

P. B. No. 10

VALLABH VIDYANAGAR - 388 120 (GUJARAT) INDIA

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Vitthalbhai Patel and Rajrathan P.T. Patel Science College, Vallabh Vidyanagar is affiliated to the Sardar Patel University, Vallabh Vidyanagar since 1947. This College is also recognized under section 2(f) & 12 B of the UGC Act. (Refer Page No. 160 of "Directory of Colleges Recognized under Section 2(f) & 12 B of the UGC Act, 1956" issued by UGC Vide Letter No. F. 1-4/2002 (CPP-I) of 28-8-2004.)

The Sardar Patel University is accredited at the FOUR STAR LEVEL by the National Assessment and Accreditation Council.

No. K.1/3461

Vallabh Vidyanagar

Date : 1/09/2007

Registrar

I/C. PRINCIPAL
V. P. & R. P. T. P. SCI. COLLEGE
VALLABH VIDYANAGAR-388120

THE PEER TEAM REPORT
on institutional accreditation of
V. P. & R.P.T. P. Science College
Vallabh Vidyanagar, Gujarat.

The Peer Team consisting of the following members

- | | |
|---------------------------|----------------------|
| 1. Prof. M. M. Salunkhe | (Chairman) |
| 2. Prof. K. P. Maheshwari | (Member Coordinator) |
| 3. Prof. Bharati Naik | (Member) |

visited the V.P. & R.P.T.P. Science College, Vallabh Vidyanagar, Gujarat on February 16-17, 2007. Following is the Report of the Peer Team.

Section – I : Introduction/Preface

V.P. & R.P.T.P. Science College, the first college in Vallabh Vidyanagar, was founded in June 1947 in Vallabh Vidyanagar, Anand, Gujarat, a place which is a living memorial of Shri Sardar Vallabhbhai Patel, the Iron Man of India. The college is one of the oldest and premier science colleges of Gujarat. It was established with a vision to educate and uplift the rural people of Charutar area. It was named after Vithalbhai Patel, who became the first Indian President of the Central Legislative Assembly during the British regime. It offered undergraduate and postgraduate courses and carried research in science, humanities and social sciences until 1959. Later, with establishment of independent postgraduate departments and a separate Arts college, it became exclusive Science Degree college. The college is affiliated to S. P. University and is recognised by UGC u/s 2(f) and 12(B) since June 1956. The college offers three year B.Sc./B.C.A. Degree courses in 13 subjects and Ph.D. in Chemistry, Industrial Chemistry etc. The college, with a campus area of about 1,77,507sq.ft., is under the management of Charutar Vidya Mandal(C.V.M.), which was chaired for 35 years by late Dr. H. M. Patel, I.C.S., an able administrator and Ex-Finance Minister, Government of India. Since 1994, the C.V.M. is headed by Dr. C. L. Patel. It is a leading education society managing 38 institutions of education for all levels and various faculties. The college has received “The Excellence Award – The Best Science College of Gujarat” of the Government of Gujarat for three years in succession.

Saurashtra

At present, the total student strength of the college for 2006-2007 is 1410 (848 male + 562 female), and 18 students (17 Male + 1 Female) doing Ph.D. The college has a total of 81 positions of lecturers of which 57 (39M + 18 F) are filled. Of these, 45.6% teachers are Ph.D. degree holders. In addition, there are 08 (5M + 3F) full time lecturers who are management appointees. Of the 60 sanctioned non-teaching staff, 36 are filled in. There are also 02 technical positions, which are filled.

Section – II : Criterion wise Analysis

Criterion- I: Curricular Aspects

The college offers B.Sc. in 13 subjects and BCA with annual system. The programmes offered in pure sciences are in Chemistry, Physics, Mathematics, Botany, Zoology, and Statistics. The programmes offered in applied sciences are in Microbiology, Computer Science, Electronics, Industrial Chemistry, Industrial Chemistry (Vocational Course), Instrumentation (V.C.) and BCA. English at F.Y. B.Sc. level is compulsory subject for all students. All programmes offered are in single major system.

Chemistry is the biggest department with a total strength of 838 students with 169 students at third year level. Of the total of 19 posts of teachers sanctioned, there are 13 full-time lecturers are, in addition to the Principal, who is also a Professor of Chemistry. The success rate of the students is 89.3% with 06 in Distinction and two Gold Medals. In last 05 years, the faculty has published 60 papers in National and International journals. One teacher has received best teacher award by Rotary Club, Anand. Seven teachers have attended, in last 05 years, State, National and International seminars. There are three on going projects, one major (Rs. 5,34,600/-) and two minor (Rs. 25,000/- each), with three already completed (Rs. 1,45,000/-). The annual budget of the department is Rs. 23,000/- (Non-recurring), Rs. 2,77,000/- (Recurring) with an additional Rs. 1,76,000/- by UGC under 10th Plan.

Physics is the next big department with 10 full time and 01 part time teachers, the sanctioned positions being 16. The student strength is 702, with 49 at T. Y. B. Sc. level. The success rate is 85% with 08 Distinctions and one Gold Medal at T. Y. B. Sc. level. The awards and recognitions have gone to three teachers for best research work in 2005, best thesis presentation in 2004, and presentation competition. Nine faculty member have attended seminars in last 05 years. In last 05 years, one research project (Rs. 25,000/-) has

been completed. The annual budget is Rs.1,35,000/- (non recurring) and Rs.15,000/- (recurring) with a grant of Rs.68,000/- for UGC.

Biology Department has 07 full time teachers in Botany and 03 teachers in Zoology, with one more appointed on contract basis. The total student strength is 271 of which 07 and 10 are at T.Y.B.Sc. level in Botany and Zoology, respectively. Gold Medal for last 5 years have been won by the Botany Department of this college.

All other departments are relatively smaller departments. Mathematics Department has 5 teachers of which 2 are full time permanent teachers while 3 are on contract basis. The total strength of the students is 489, with 61 students at T.Y. B.Sc. level. Microbiology Department has 9 sanctioned posts; there are 6 full time permanent teachers and one teacher on contract basis. Total number of students is 261 with 132 students at T.Y. B.Sc. level. Computer Science Department has 4 sanctioned positions, wherein one full time permanent teacher and one teacher on contract basis are working. Total student strength is 115 students of which 27 are at S.Y. level and 17 are at T.Y. level. Statistics Department has three full time permanent teachers. However, the total number of students is 4 (2 each at S.Y. and T.Y. level. Similarly, Electronics Department has 5 permanent full time teachers but there are only 41 students (14 at S.Y., 27 at T.Y. level). The Department has UGC grant of Rs. 55,000/-. Industrial Chemistry has total of 4 sanctioned positions in which at present 3 full time permanent teachers are working. The total strength of students is 38 for IC; 31 for IC vocational. The Department has received Rs.69,000/- from UGC. Instrumentation Department has a faculty of two visiting teachers and one ad-hoc teacher. The total strength is 45 with 20 students at S.Y. and 25 at T.Y. level. The annual budget is Rs.2,00,000/-.

This year all eight Gold Medals of the University are bagged by this college.

Criterion II: Teaching – Learning and Evaluation

The college had 240 working days in the academic year 2005-06, of which the number of teaching days was 180. Of the faculty development programmes availed by the teachers, 35 teachers have attended the Refresher Courses, while 12 teachers have attended Orientation Courses during last five years. The college seems to have organized only 03 faculty development programmes, no research development programmes, and several

invited/endowment lectures during last five years. Amongst the other programmes the college organized Learn English Programme by English Department in 2003-04, "Office 2000" by Computer Department in 2004-05, One-day seminar for T.Y. B.Sc. Industrial Chemistry Department in 2004-05, and Seminar, Group Discussion and In-plant Training by Industrial Chemistry Department.

The faculty has predominantly used Lecture Method to cover the course. Teaching aids like OHP are used in teaching of science subjects.

Self appraisal by teachers, student assessment of faculty performance, expert assessment of faculty etc. have been done.

Criterion III: Research Consultancy and Extension

The number of teachers with Ph.D. is 26 (45.6%). 19 (32.2%) of the teachers have M.Phil. degree. 04 teachers have availed themselves (in 2002-03) of the Faculty Improvement Programme of the UGC. 8 teachers are recognized research guide for Ph.D. 07 teachers have registered for Ph.D. and 2 have registered for M.Phil. The college has one major (Rs. 5,34,600/-) and two minor research projects (of Rs. 25,000/- each), sanctioned by UGC.

154 research papers have been published in journals of national and international repute. The papers presented include 02 at national seminars, 07 at international seminars and 03 at state level seminars.

Number of NCC cadets in the college is 194 (110-M, 84-F), while the number of NSS volunteers is 388 (182-M, 206-cF).

Criterion IV: Infrastructure and Learning Researches

The college has a campus area of 1,77,507 sq.ft. with a built up area of 85,655sq.ft(48.25%). The college library remains open since 8-00 a.m. to 5-15 p.m. during college working days. The average number of faculty visiting library is 45 per day, while average number of students visiting library is 600 per day. The library has a stock of 43,000 books (19237 titles) and subscribes 20 journals. It has open access system. The special collection includes materials required for competitive examinations and Book Bank. The

procurement during last two years include text books (70; 479) worth Rs. 15,189/- and 62,701/-; other books (67; 210) for Rs. 13,191/- and Rs. 36,507/-; and journals worth Rs. 15,024/- and 18,031/- for the last two years, respectively.

The total carpet area of library is 363.40 sq.mtr. (lower floor) and 379.70 sq.mtr. (upper floor). The library is partially automated with own made software. Approximately 07% of the total budget is spent on library. SOUL software facility is available in the Library.

Though the college does not have its own workshop or instrumentation centre, the ones at "Sophisticated Instrument Centre for Applied Research and Testing" (SICART, run by C.V.M.) and USIC (of S. P. University) are used. The S. P. University Health Centre takes care of the health of the students and teachers.

The hostels for boys and girls have 214 and 196 inmates, respectively. The nearby Shastri Maidan and Gymnasium, owned by C.V.M. are available for sports etc. C.V.M. owned Tennis Ground and Badminton Hall are also available. Swimming Pool of Vidyanagar Town Club is available at concessional rates.

Criterion V: Student Support and Progression

The dropout rate in last two years i.e. 2004-05 and 2005-06 is 2.0% and 6.54%, respectively. The college may endeavor to find the reason for the drop out and counsel the students to reduce the rate and help bring the drop-outs back to education.

The government scholarships amounting to Rs. 2,94,821/- have been given to 103 students during last year. An amount of Rs. 7,000/- per year is given as scholarship to the needy students from the fund created by the Alumni Association of the College. It will be worthwhile for the college to put in efforts to help maximum eligible students to get the financial assistance from government, university, banks and private agencies, through personal counseling and Guidance Cell.

It will be beneficial to the students to organize career counseling especially for the final year students and involve more alumni in participation in overall development of the students, creation of infrastructure, placement activity etc. Students of the college can avail the career guidance etc from Hyderabad based agency GLOBERENA and Career Development Centre (CDC) run by CVM. This helps the students developing their personality.

Criterion VI: Organization and Management

The college is managed by Charutar Vidya Mandal, Vallabh Vidnayanagar (Anand). The college has received for the last year Rs. 2,34,31,726/- (100%) as salary grant plus Rs. 2,56,830/- as maintenance grant. In addition, there are fees Rs. 74,060/-, self funded courses Rs. 3,00,000/- and from management Rs. 9,24,930/-. The other financial resources include Alumni Association (Rs. 5,01,704/-), Prize fund (Rs. 39,963/-), and Golden Jubilee fund (Rs. 4,25,000/-).

Criterion VII: Healthy Practices

- The college has MoU with GIDC and SICART.
- The institution gears itself to achieve the specific goals and objectives, by organizing curricular, co-curricular and extra curricular activities. The goals and objectives are reviewed and revised and suggestions are taken from parents and students through feedback system. Management also discusses the relevant matters with the principal and principal conveys the matters to the staff through the head of the department for appropriate action.
- Some faculty members extend their expertise to organize Orientation Programmes for personnel of chemical industries.

Section III : Over-all Analysis

The College is nearly 60 years old, one of the oldest colleges in Gujarat. It is affiliated to S.P. University, offering 13 degree courses in science stream in single major system.

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Commendations:

- One of the oldest and reputed college of Gujarat with commendable past.
- 26 (45.6%) teachers are Ph.D. degree holders while 19 (32.2%) of the teachers have M.Phil. degree and one teacher with M.E.(Chem.Engg.).
- Despite being a degree college, there are several teachers who are research guides, have undertaken research projects, and have published papers.
- The institute collects progress report of the college twice a year and sends it to CVM, which in turn is published in the “V” magazine of CVM.
- The head of the departments, students, assesses the performances of faculty.
- The parents are requested to give their suggestions during the Parent-Teacher meeting.
- The Principal addresses the college staff in general staff meetings to discuss about various important issues and the quality improvement.
- The institution ensures the quality of its academic and administration programmes by monitoring the performances and feedback of the teaching and non-teaching staff by the head of the institute and heads of the departments. It is also ensured by analysis of feedback and the results of internal/external examinations of the students.
- The college introduced two self-financed vocational courses: B.Sc. Instrumentation and Industrial Chemistry as well as Bachelor of Computer Application (BCA).
- To promote innovations in teaching and learning new practicals, projects, industrial visits, field studies, seminar, presentations, projects etc. are introduced.
- To promote teacher development institution deputed faculty to attend national/international seminars, conferences, in-service training and also organizes local/ state level seminars/ conferences. The college provides financial assistance and also honours the teachers those who do their Ph.D. The management felicitates the achievers of state level and above.
- The institution imparts value-based education by way of personal counselling, group counselling by teachers and also through NSS and NCC activities.

- The institution promotes social responsibilities and citizenship roles through NSS and NCC.
- The institute has a discipline committee comprising of the Principal, convener, teachers and students (General secretary and class representatives), to look after the institutional ambience for teaching and learning.
- No periods are let free. Proxy arrangement is done.
- College has a placement cell and campus interviews are arranged

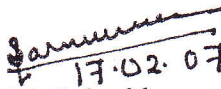
Recommendations/Suggestions:

1. UGC gives funds for computerization, internet facilities, automation, minor/major projects, vocational/career oriented courses, remedial courses, botanical garden development etc. The college should make best use of these schemes.
2. The college must strive to increase the involvement of their alumni in developmental and student oriented activities for the benefit of the students.
3. For providing competitive environment and for improvement of standard, it is necessary to take in teachers and students from as diverse as possible and permissible.
4. Encouraging interaction of the faculty members others at state-level, national and international level will be beneficial.
5. The college must endeavor to increase the financial resources to provide more scholarships, prizes, books, other financial help to the students and travel grants and other financial help to the teachers to encourage them to take up more student/academic development/research related activities.
6. The teachers should increase their involvement in providing career guidance and placement facilities.
7. Vacant positions in various subjects should be filled up. Government is not recruiting teachers since 1998 inspite of repeated efforts made by the college authorities. However the management has been filling up the gaps by appointing contractual teachers.
8. For better evaluation of students credit system and cafeteria approach be introduced.
9. Academic calendar be meticulously prepared.
10. Sports activities be strengthened. Sports director should be appointed.

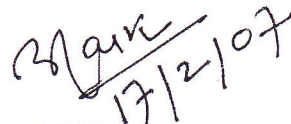
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11. At least one NSS camp in a year for about ten days be organized. More students should be persuaded join NSS.
12. Some Departments, e.g. Statistics, have very small number of students (only 4). There is dire need to attract more students or else it will be difficult to justify the existence of the independent Department and the faculty. Similar is the case of Electronics.
13. Departments like Chemistry, Industrial Chemistry, Instrumentation, etc. have scope for consultancy, interaction with industry. The college authorities and concerned teachers may explore this possibility.
14. The Golden Jubilee Fund can be strengthened to take up more student-related activities. The Diamond Jubilee of the college can be a good occasion to explore.

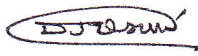
The members of the Peer Team thank the Principal, Members of the college management, faculty members, students, staff for their splendid co-operation extended during the entire visit.

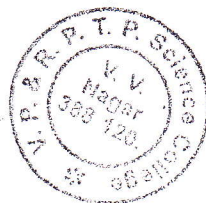

17-02-07
Prof. M. M. Salunkhe
(Chairman)


17-02-07
Prof. K. P. Maheshwari
(Member Coordinator)


17/2/07
Prof. Bharati Naik
(Member)

I agree with the report.


17/2/07
PRINCIPAL
V.P. & R.P.T.P. Science College
Vallabh Vidyanagar (Anand) Gujarat.
PRINCIPAL
V.P. & R.P.T.P. SCI. COLLEGE
VALLABH VIDYANAGAR-388120.



**Course Structure [CBCS Science Stream]
BSc [Semester I]**

Courses	Group	Subject	Paper	Paper no.	Credits*	Hour per Week
Core Courses	Compulsory Both Groups A/B	Chemistry	Theory	US01CCHE01	2	2
			Theory	US01CCHE02	2	2
			Laboratory	US01CCHE03	2	4
	Compulsory Both Groups A/B	Physics	Theory	US01CPHY01	2	2
			Theory	US01CPHY02	2	2
			Laboratory	US01CPHY03	2	4
	Only for A-Group	Mathematics	Theory	US01CMTH01	2	2
			Theory	US01CMTH02	2	2
			Laboratory	US01CMTH03	2	4
	Only for B-Group	Biology	Theory	US01CBIO01	2	2
			Theory	US01CBIO02	2	2
			Laboratory	US01CBIO03	2	4
Foundation Courses	Compulsory for Both Groups A/B	Functional English	Theory/ Laboratory	US01FENG01	2	2
		ICT	Theory/ Laboratory	US01FICT02	2	2
Elective Courses		Environmental Science	Theory	US01EENV01	2	2
Total					24 Credits	30 hrs.

*1 credit theory course is 1 hour per week and 1 credit laboratory course is 2 hours per week

BSc [Semester II]

Courses	Group	Subject	Paper	Paper no.	Credits	Hour per Week
Core Courses	Compulsory for Both Groups A/B	Chemistry	Theory	US02CCHE01	2	2
			Theory	US02CCHE02	2	2
			Laboratory	US02CCHE03	2	4
	Compulsory for Both Groups A/B	Physics	Theory	US02CPHY01	2	2
			Theory	US02CPHY02	2	2
			Laboratory	US02CPHY03	2	4
	Only for A-Group	Mathematics	Theory	US02CMTH01	2	2
			Theory	US02CMTH02	2	2
			Laboratory	US02CMTH03	2	4
	Only for B-Group	Biology	Theory	US02CBIO01	2	2
			Theory	US02CBIO02	2	2
			Laboratory	US02CBIO03	2	4
Foundation Courses	Compulsory for Both Groups A/B	Functional English	Theory/ Laboratory	US02FENG01	2	2
		ICT	Theory/ Laboratory	US02FICT02	2	2
		Elective Courses	Environmental Science	Theory	US02ENV01	2
Total					24 Credits	30 hrs.

BSc [Semester I] For Industrial Chemistry (Vocational) [Self-Financed]

Courses	Subject	Paper	Paper no.	Credits*	Hour per Week
Core Courses	Industrial Chemistry (Vocational)	Theory	US01CICV01	2	2
		Theory	US01CICV02	2	2
		Laboratory	US01CICV03	2	4
	Chemistry	Theory	US01CCHE01	2	2
		Theory	US01CCHE02	2	2
		Laboratory	US01CCHE03	2	4
	Physics	Theory	US01CPHY01	2	2
		Theory	US01CPHY02	2	2
		Laboratory	US01CPHY03	2	4
Foundation Courses	Functional English	Theory/ Laboratory	US01FENG01	2	2
	ICT	Theory/ Laboratory	US01FICT02	2	2
Elective Courses	Environmental Science	Theory	US01ENV01	2	2
Total				24 Credits	30 hrs.

BSc [Semester II] For Industrial Chemistry (Vocational) [Self-Financed]

Courses	Subject	Paper	Paper no.	Credits*	Hour per Week
Core Courses	Chemistry	Theory	US02CCHE01	2	2
		Theory	US02CCHE02	2	2
		Laboratory	US02CCHE03	2	4
	Physics	Theory	US02CPHY01	2	2
		Theory	US02CPHY02	2	2
		Laboratory	US02CPHY03	2	4
	Industrial Chemistry (Vocational)	Theory	US02CICV01	2	2
		Theory	US02CICV02	2	2
		Laboratory	US02CICV03	2	4
Foundation Courses	Functional English	Theory/ Laboratory	US02FENG01	2	2
	ICT	Theory/ Laboratory	US02FICT02	2	2
Elective Courses	Environmental Science	Theory	US02ENV01	2	2
Total				24 Credits	30 hrs.

BSc [Semester I] For Instrumentation [Self-Financed]

Courses	Subject	Paper	Paper no.	Credits*	Hour per Week
Core Courses	Instrumentation	Theory	US01CINV01	2	2
		Theory	US01CINV02	2	2
		Laboratory	US01CINV03	2	4
	Physics	Theory	US01CPHY01	2	2
		Theory	US01CPHY02	2	2
		Laboratory	US01CPHY03	2	4
	Mathematics	Theory	US01CMTH01	2	2
		Theory	US01CMTH02	2	2
		Laboratory	US01CMTH03	2	4
Foundation Courses	Functional English	Theory/ Laboratory	US01FENG01	2	2
	ICT	Theory/ Laboratory	US01FICT02	2	2
Elective Courses	Environmental Science	Theory	US01ENV01	2	2
Total				24 Credits	30 hrs.

BSc [Semester II] For Instrumentation [Self-Financed]

Courses	Subject	Paper	Paper no.	Credits*	Hour per Week
Core Courses	Instrumentation	Theory	US02CINV01	2	2
		Theory	US02CINV02	2	2
		Laboratory	US02CINV03	2	4
	Physics	Theory	US02CPHY01	2	2
		Theory	US02CPHY02	2	2
		Laboratory	US02CPHY03	2	4
	Mathematics	Theory	US02CMTH01	2	2
		Theory	US02CMTH02	2	2
		Laboratory	US02CMTH03	2	4
Foundation Courses	Functional English	Theory/ Laboratory	US02FENG01	2	2
	ICT	Theory/ Laboratory	US02FICT02	2	2
Elective Courses	Environmental Science	Theory	US02ENV01	2	2
Total				24 Credits	30 hrs.

BSc [Semester III]

Sr. No.	Core Courses I (03 Credit)	Supporting Core Courses II [Choose any one] (03 Credit)	Elective Courses# (02 Credit)	Foundation Course (02 Credit)
1	Physics	Chemistry Mathematics Electronics Instrumentation	Biomedical Instrumentation Basic Geophysics	Foundation of Statistics-I
2	Electronics	Electronics & Communication Instrumentation Physics	Computer Hardware Instrumentation	
3	Chemistry	Physics Mathematics Industrial Chemistry	Mathematics Analytical Chemistry	
4	Industrial Chemistry	Physics	Organic Chemistry Basic Analytical Chemistry	
5	Computer Science	Mathematics Statistics	Digital Computer Electronics Management Information System. Business Data Processing through COBOL	
6	Mathematics	Computer Science Statistics Physics	Calculus Mathematical Methods – 1 Financial Mathematics – 1 Operations Research Calculus and Algebra – 1	
7	Microbiology	Botany	Zoology Biochemistry	
		Zoology	Botany Biochemistry	
8	Botany	Zoology	Microbiology Biochemistry	
9	Zoology	Botany	Zoology Biochemistry	
10	Industrial Chemistry [Vocational]	Physics	Organic Chemistry Basic Analytical Chemistry	
11	Instrumentation [Vocational]	Electronics Physics	Computer Hardware	

@the student can choose any one elective course which is not offered by their department.

BSc [Semester IV]

Sr. No.	Core Courses I (03 Credit)	Supporting Core Courses II [Choose any one] (03 Credit)	Elective Courses# (02 Credit)	Foundation Course (02 Credit)
1	Physics	Chemistry Mathematics Electronics Instrumentation	Biophysics Advanced Geophysics & Remote Sensing	Foundation of Statistics-II
2	Electronics	Electronics & Communication Instrumentation Physics	Computer Hardware Instrumentation	
3	Chemistry	Physics Mathematics Industrial Chemistry	Mathematics Analytical Chemistry	
4	Industrial Chemistry	Physics	Industrial Pollution, It's Control And Industrial Safety Instrumental Methods of Analysis	
5	Computer Science	Mathematics Statistics	- Basics of Linux Operating Systems - RDBMS for Small Scale Organization. - IT in Business	
6	Mathematics	Computer Science Statistics Physics	Boolean Algebra and Laplace Transforms Mathematical Methods – 2 Financial Mathematics – 2 Mathematical Biology Calculus and Algebra – 2	
7	Microbiology	Botany	Zoology Biochemistry	
		Zoology	Botany Biochemistry	
8	Botany	Zoology	Microbiology Biochemistry	
9	Zoology	Botany	Zoology Biochemistry	
10	Industrial Chemistry [Vocational]	Physics	Organic Chemistry Basic Analytical Chemistry	
11	Instrumentation [Vocational]	Electronics Physics	Computer Hardware	

BSc [Semester V and VI]

Sr. No.	Theory/ Practicals	hours per week
1	Six Theory Papers (Core Courses)	6 papers × 3 hours =18 hrs
2	Three Practicals	3 papers × 4 hours =12 hrs
Total		30 hours

Sem	Core Courses	NO. OF CREDITS	Foundation Courses		Elective (Only one)	
SEM-I	US01CBCA01 : Fundamentals of Computer Programming Using C	3	US01FBCA01 : Communication Skills in English-I	2	US01EBCA01 : Digital Computer Electronics	2
	US01CBCA02 : Computer Organization	3	US01FBCA02 : Mathematics-I	2	US01EBCA02 : Information Technology in Businesses	2
	US01CBCA03 : PC Software	3				
	US01CBCA04 : Web Designing Fundamentals	3				
	US01CBCA05 : Practicals	6				
SEM-II	US02CBCA01 : Advanced C Programming and Introduction to Data Structures	3	US02FBCA01 : Communication Skills in English-II	2	US02EBCA01 : Desktop Publishing	2
	US02CBCA02 : Systems Analysis and Design	3	US02FBCA02 : Mathematics-II	2	US02EBCA02 : RDBMS for small scale organizations	2
	US02CBCA03 : Database Management Systems	3			US02EBCA03 : Management Information Systems	2
	US02CBCA04 : Web Application Development	3			US02EBCA04 : Business Data Processing Through COBOL	2
	US02CBCA05 : Practicals	6				
SEM-III	US03CBCA01 : Relational Database Management Systems-I	4	US03FBCA01 : Financial and Accounting Management	4	US03EBCA01 : Introduction to Microprocessors	2
	US03CBCA02 : Object Oriented Programming and C++	4			US03EBCA02 : Introduction to Artificial Intelligence	2
	US03CBCA03 : Advanced Data and File Structures	4				
	US03CBCA04 : Practicals	6				

SEM-IV	US04CBCA01 : Relational Database Management Systems-II	4	US04FBCA01 : Computer Based Numerical and Statistical Methods	4	US04EBCA01 : E-Commerce	2
	US04CBCA02 : Object Oriented Programming Through Java	4			US04EBCA02 : Enterprise Resource Planning	2
	US04CBCA03 : Operating Systems	4				
	US04CBCA04 : Practicals	6				
SEM-V	US05CBCA01 : Visual Programming Through VB.NET	4	US05FBCA01 : Operations Research	4	US05EBCA01 : Basics of UNIX Operating System	2
	US05CBCA02 : Computer Graphics	4			US05EBCA02 : Software Project Management	2
	US05CBCA03 : Software Engineering	4				
	US05CBCA04 : Practicals	6				
SEM-VI	US06CBCA01 : Server-side Web Programming	4	US06FBCA01 : Systems Software	4	US06EBCA01 : Information Security	2
	US06CBCA02 : Computer Networks	4			US06EBCA02 : Multimedia Application Development	2
	US06CBCA03 : Business Information Systems	4				
	US06CBCA04 : Practicals	6				

FLOORWISE AND ROOMWISE SPECIFICATIONFIRST FLOOR

Room No.	Utility	Length x Breath	Sq.ft.
30	Library	58'-0" x 34'-0"	1972
31	Reading Room	54'-5 $\frac{1}{4}$ " x 24'-0"	1422
32	Biology Staff Room	20'-0" x 24'-0"	480
33	Office of the H.O.D.of Bio.	10'-0" x 24'-0"	240
34	Musium	50'-0" x 34'-0"	1700
35	Biology Lab.F.Y.B.Sc.	50'-0" x 30'-0"	1500
36	Biology Lab.SY/TY & Store Room	50'-0" x 30'-0"	1500
37	Class Room	33'-0" x 30'-0"	990
38	Class Room	33'-0" x 30'-0"	990
39	Class Room	33'-0" x 30'-0"	990
40	Staff Room	50'-0" x 34'-0"	1700
41	Office of the H.O.D.of Maths	10'-0" x 24'-0"	240
42	Class Room	20'-0" x 24'-0"	480
43	English Language Theory & Laboratory	44'-0" x 24'-0"	1056
44	Office of the H.O.D.of Statistics	24'-0" x 28'-6"	684
45	Lecture Room	34'-0" x 30'-0"	1020
46	Lecture Room	34'-0" x 30'-0"	1020
47	Lecture Room	50'-6" x 30'-0"	1515
48	Mathematics Laboratory	30'-0" x 20'-0"	600
49	Lecture Room	30'-0" x 30'-0"	900
50	N.S.S.& P.T.Room	9'-0" x 10'-0"	90
51	Office of the H.O.D.of Micro.	9'-0" x 10'-0"	90
52 & 53	Microbiology Laboratory	50'-0" x 30'-0"	1500
54	Microbiology Staff Room	9'-0" x 15'-0"	135
55	Microbiology Store Room	16'-0" x 30'-0"	480
56	Computer Science	31'-0" x 30'-0"	960

FLOORWISE AND ROOMWISE SPECIFICATIONGROUND FLOOR

Room No.	Utility	Length x Breath	Sq.ft.
1	Main Office	34'-0" x 29'-6"	1003
2	Principal's Office	24'-0" x 28'-6"	684
3	Examination Office	8'-6" x 24'-0"	204
4	Common Room (Ladies)	21'-3" x 24'-0"	510
5	Physics Staff Room	21'-3" x 24'-0"	510
6	Physics Store Room	20'-0" x 24'-0"	480
7	Physics Study Room	10'-0" x 24'-0"	240
8	Physics Lecture Theatre	50'-0" x 34'-0"	1700
9	Physics Lab.F.Y.B.Sc.	60'-0" x 30'-0"	1800
10	Electronics Laboratory	40'-0" x 30'-0"	1200
11	Chemistry Lab. F.Y.B.Sc.	60'-0" x 30'-0"	1800
12	Office of the H.O.D.of Chem.	} 30'-0" x 40'-0"	1200
12-A	Office of the H.O.D.of I.C.		
13	Chemistry Lecture Theatre	50'-0" x 34'-0"	1700
14	Chemistry Study Room	10'-0" x 24'-0"	240
15	Chemistry Lab.FYBSc/TYBSc.	20'-0" x 24'-0"	480
16	Chemistry Lab.TYBSc.(Physical)	21'-3" x 24'-0"	510
17	Chemistry Staff Room	21'-3" x 24'-0"	510
18	Lavoratory Block	8'-6" x 24'-0"	204
19	Chemistry Store Room	28'-6" x 24'-0"	684
20	Ind.Chem.Lab.S.Y.B.Sc.	29'-6" x 34'-0"	1003
21	Chemistry Lab.FYBSc./TYBSc.	50'-0" x 30'-0"	1500
22	Chemistry Balance Room	18'-6" x 30'-0"	555
23	Ind.Chem.Lab.FY/SY/TYBSc.	30'-0" x 30'-0"	900
26	Office of the H.O.D. of Phy. + Physics Lab.TYBSc.	20'-0" x 30'-0"	600
27	Physics Laboratory T.Y.B.Sc.	28'-6" x 30'-0"	855
28	Physics Laboratory S.Y.B.Sc.	28'-6" x 30'-0"	855
29	Physics Dark Room	20'-0" x 30'-0"	600

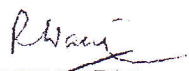
VITHALBHAI PATEL & RAJRATNA P. T. PATEL SCIENCE COLLEGE
VALLABH VIDYANAGAR

FLOORWISE AND ROOMWISE SPECIFICATION

G.I.Patel Institute of Industrial Chemistry
(A building attached to the College)

GROUND FLOOR

Utility	Length x Breath	Sq.ft.
Workshop	48'-10" x 28'-5"	1387.68
Staff Room	18'-10" x 28'-5"	535.18


PRINCIPAL

V.P. & R.P.T.P. Science College

Vallabh Vidyanagar, Anand - Gujarat

Sport Calendar 2010-11

Date	Event
18/08/2010	Interclass Badminton Tournament for Boys/Girls
18/08/2010	A.D.I.T. v/s V.P. Science friendly football match
20/08/2010	Inter college Kho-Kho Tournament (Boys)
25/08/2010	Kho-kho league match
27/09/2010	Inter College Boys Football Tournament.
28/09/2010	Inter College Basketball Tournament.
30/09/2010	Inter College Volleyball.
08/10/2010	Chess Mahotsav at Gandhinagar
25/11/2010	Swarnim Gujarat Sheet Ramtotsav at University Ground.
26/11/2010	Anand district Swarnim Gujarat Open Basketball Girls Tournament
27/11/2010	- Swarnim Gujarat Chess District Tournament at Anand D.N. Patel School. - Rifle Shooting Inter College Tournament.
28/11/2010	Swarnim Gujarat Anand District Football Tournament.
02/12/2010	Inter College Kabbadi Tournament.
09/12/2010	State Level Football Match.
18/12/2010	Inter College Handball(Girls) Tournament.
21/12/2010	Inter College Handball Boys Tournament.
24/12/2010	Swarnim Gujarat Chess Mahotsav 2010.
05/01/2011	Zonal Competition Saptdhara at Dabhoi.
06/01/2011	College Hostel Junnarkar Hostel Cricket Tournament.
28/01/2011	Inter College Athletic Meet 2011 at Bakrol Ground.
02/02/2011	College Sport Day
18/02/2011	Inter college Cricket Tournament starts .

V.P. & R.P.T.P. Science College

Vallabh Vidyanagar, Anand - Gujarat

Sport Calendar 2011-12

Date	Event
26/07/2011 to 28/07/2011	Inter Class Badminton Competition
09/08/2011	Inter College Badminton .
26/08/2011	Inter College Table Tennis Tournament.
02/09/2011	Inter College Football Tournament..
08/09/2011	Inter college Lawn Tennis Tournament .
09/09/2011	Inter College Basketball Tournament.
15/09/2011	inter college tournament Kho Kho(Boys and Girls) hosted by the College.
19/09/2011	Inter college Kabaddi Competition .
30/09/2011	Inter College Rifle Shooting Competition.
30/11/2011	Swarnim Gujarat Basketball Anand District Tournament.
01/12/2011	Anand District Khel Mahakumbh Football at Dharmaj.
17/12/2011 to 19/12/2011	Anand District State Level Football Tournament at Ankleshwar
25/12/2011 to 29/12/2011	Inter class cricket tournament starts.
06/01/2012	Inter College Athletic Meet 2012 starts at Bakrol.
29/01/2012	Inter College Volleyball Tournament
02/02/2012	Sport Day
03/02/2012	Inter College Volleyball Girls starts
03/02/2012	Inter College Handball Boys starts
18/02/2012 to 19/02/2012	CVM 7 a Side soccer tournament.

V.P. & R.P.T.P. Science College

Vallabh Vidyanagar, Anand - Gujarat

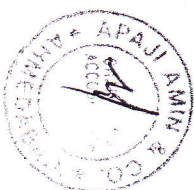
Sport Calendar 2012-13

Date	Event
23/07/2012	Inter College Badminton Tournament starts
06/08/2012	Inter College Football Tournament Starts.
16/08/2012	Inter College Chess Tournament starts.
21/09/2012	Inter College Kabbadi Tournament starts..
23/09/2012	Inter College Cricket Tournament starts.
05/01/2012	College Hostel Junnarkar Hostel Cricket Tournament.
02/02/2012	College Sport Day.
16/02/2012	Inter college Cricket Tournament.

V.P.R.P.T.P.SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2008

V.P.R.P.T.P.SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2008

<u>LAB EQUIPMENT EXP.</u>		MEDICALRECOVERY		16530.00
PHYSICS	0.00			
MICROBIOLOGY	0.00			
ELECTRONICS	0.00			
COMPUTER	0.00			
CHEMISTRY	0.00			
BIOLOGY	0.00			
INC CHEMISTRY	0.00			
ENG.DEPT.	0.00	0.00		
<u>LIBRARY EXP.</u>				
BOOKS	44279.00			
CURRENT	5017.00	49296.00		
<u>RENT</u>				
BUILDING RENT	80465.00			
BUILDING MAINTENANCE EXP.	35202.60			
PANCHYAT TAX ON COLLEGE BUILDING	37370.00	153037.60		



V.P.R.P.T.P.SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2008

OTHER EXPENDITURE

ELECTRICITY	229230.00	
WATER AND SANITATION	1797.00	
WASHING ALLOWANCE	2700.00	
STATIONARY & PRINTING EXP.	59310.50	
AUDIT FEE	15291.00	
ADVERTISEMENT EXPS	30000.00	
POST TELEGRAM	5716.00	
TELEPHONE EXP.	13130.00	
RENT FOR PRINCIPAL BUNGLOW	22459.00	
INSURANCE OF EQUIPMENT	4719.00	
TRAVELING EXP.	21017.00	
MISC. EXPENSES	20225.00	
BANK COMMISSION EXPS	8035.00	
I CARD FEES	4515.00	
TEST EXAM FEES	13416.00	
MEDICAL RECOVERY GRANT	31585.50	
SELF FINANCE	3270.00	
PRIZE FUND	6000.00	492416.00

UGC 10 PLAN

UGC 10 BOOK GRANT	123121.00	
UGC 10 EQUIPMENT GRANT	411048.00	
UGC GRANT	126994.00	
UGC PTAC	10178.00	
UGC 9TH PLAN SPACIAL GRANT	12090.00	683431.00



V.P.R.P.T.P. SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2008

PROVIDENT DUND

PROVIDENT FUND WITH D E

INCOME OVER EXPENCIES

1616510.00

409399.00 LOSS TRANSFER TO BL

591035.85

TOTAL

33219959.85

TOTAL

33219959.85

Date: 31.03.08

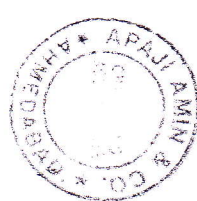

Principal

V P & R P T P SCIENCE
COLLEGE


Apaji ayin & co.

Chartered Accountant.

AHMEDABAD



V.P.R.P.T.P.SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2009
(2008-2009)

EXPENDITURE		INCOME	
TO SALARY	RS. Ps.	RS. Ps.	RS. Ps.
Basic pay	20308509.00	BY FEES	RS. Ps.
Staff D.A.	8033359.00	Tuition Fees	1030800.00
Staff H.R.A.	1512888.00	Library Fees	60700.00
Staff M.A.	100094.00	Laboratory Fees	303400.00
Transport Allowance	208000.00	BY OTHER FEES	1394900.00
P.F. Contribution	60004.00	T.C. Fees	6000.00
MEDICAL REMBURATION	30222854.00	TEST EXAM FEES	114826.00
	6265.70		120826.00
TO GOVT. TUITION FEE			
Sub- Treasury, Anand	1030800.00		
MAINTANCE GRANT	26244.00		
	1057044.00		
TO ADDITIONAL SALARY		BY GOVT. GRANTS	
Adhoc Staff Salary	295136.50	SALARY GRANT	30222854.00
Salary to Daily Wager	74790.00	MAINTANCE GRANT	0.00
	369926.50		30222854.00
LAB CURRENT EXP.			
PHYSICS	30853.00	GENERAL PROVIDENT FUND	
MICROBIOLOGY	169382.00	PROVIDENT FUND	3348551.00
ELECTRONICS	8119.00		
COMPUTER	26284.00	U G C GRANT	
CHEMISTRY	353493.00	HOSTEL GRANT	150000.00
BIOLOGY	35663.00		
INC.CHEMISTRY	16133.00		
ENG.DEPT.	432.00		
MATHES			
	640359.00		



V.P.R.P.T.P. SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2009
(2008-2009)

LAB EQUIPMENT EXP.

PHYSICS	0.00	
MICROBIOLOGY	4990.00	
ELECTRONICS	34500.00	
COMPUTER	0.00	
CHEMISTRY	0.00	
BIOLOGY	0.00	
INC CHEMISTRY	0.00	
ENG. DEPT.	0.00	39490.00

LIBRARY EXP.

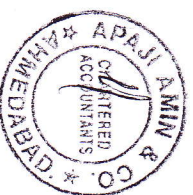
BOOKS	54017.00	
CURRENT	12030.00	66047.00

RENT

BUILDING RENT	80465.00	
BUILDING MAINTENANCE EXP.	8001.00	
PANCHAYAT TAX ON COLLEGE BUILDING	83678.00	172144.00

OTHER EXPENDITURE

ELECTRICITY	277261.00	
WATER AND SANITATION	3999.00	
WASHING ALLOWANCE	9180.00	
STATIONARY & PRINTING EXP.	46547.75	
AUDIT FEE	4046.00	
POST TELEGRAM	10465.00	
TELEPHONE EXP.	11637.00	



V.P.P.T.P. SCIENCE COLLEGE VALLABH VIDYAVAGAR
INCOME AND EXPENDITURE AS ON 31.03.2009
(2008-2009)

RENT FOR PRINCIPAL BUNGLOW	23206.00	
INSURANCE OF EQUIPMENT	4719.00	
TRAVELING EXP.	10367.00	
MISC. EXPENSES	4073.00	
BANK COMMISSION EXPS	2985.69	
ICARD FEES	17370.00	
SWARNIM GUJARAT	1028.00	
VEHICAL ALLOWANCE TO PRINCIPAL	9600.00	
PEON DRESS	8349.00	
ENGLISH LAB GRANT	466061.00	910894.44

PROVIDENT DUND
PROVIDENT FUND WITH D E 3348551.00

INCOME OVER EXPENCIES 1596444.54

TOTAL 36833575.54

TOTAL 36833575.54

Date: 31.03.08

Principal
V P & R P T P SCIENCE
COLLEGE

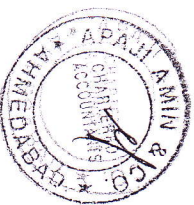
Apaji amlin & co.
Chartered Accountant.
AHMEDABAD



V.P.P.T.P.SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2010
(2009-2010)

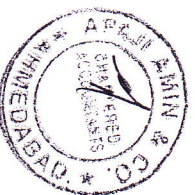
Annexure 6

EXPENDITURE	RS. Ps.	RS. Ps.	INCOME	RS. Ps.	RS. Ps.
TO SALARY			BY FEES		
Basic pay	18995906.00		Tuition Fees	1077400.00	
Staff D.A.	8049821.00		Library Fees	62360.00	
Staff H.R.A.	1389982.00		Laboratory Fees	311800.00	
Staff M.A.	95200.00				1451560.00
Transport Allowance	184800.00		BY OTHER FEES		
P.F. Contribution	61158.00		T.C. Fees		
Bonus 2008-09	66609.00				
MEDICAL REMURATION			28843476.00		
			4655.00	TEST EXAM FEES	4000.00
TO GOVT. TUITION FEE					4000.00
Sub- Treasury, Anand	1077400.00				
MAINTANCE GRANT					
			1077400.00		
TO ADDITIONAL SALARY			BY GOVT. GRANTS		
Adhoc Staff Salary	288340.00		SALARY GRANT	28843476.00	
Salary to Daily Wager	120000.00		MAINTANCE GRANT	100000.00	
					28943476.00
LAB. CURRENT EXP.					
PHYSICS	21319.00		INDUSTRIAL LAB CURRENT		9048.00
MICROBIOLOGY	158801.00				
ELECTRONICS	4028.00				
COMPUTER	12248.00				
CHEMISTRY	352299.00				
BIOLOGY	22870.00				
INC CHEMISTRY					
ENG. DEPT.					
MATHES	1868.00				
			573433.00		



V.P.R.P.T.P SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2010
(2009-2010)

EXPENDITURE	RS. Ps.	RS. Ps.	INCOME	RS. Ps.	RS. Ps.
LAB EQUIPMENT EXP.					
PHYSICS					
MICROBIOLOGY					
ELECTRONICS					
COMPUTER					
CHEMISTRY					
BIOLOGY					
INC CHEMISTRY					
ENG. DEPT.		0.00			
LIBRARY EXP.					
BOOKS	107116.00				
CURRENT	10443.50	117559.50			
RENT					
BUILDING RENT	80465.00				
BUILDING MAINTENANCE EXP.	30331.00				
PANCHAYAT TAX ON COLLEGE BUILDI	53078.00	163874.00			
OTHER EXPENDITURE					
ELECTRICITY	375564.00				
WATER AND SANITATION	12785.00				
WASHING ALLOWANCE	5040.00				
STATIONARY & PRINTING EXP.	37856.00				
AUDIT FEE	4413.00				
POST TELEGRAM	6148.00				
TELEPHONE EXP.	15238.00				
RENT FOR PRINCIPAL BUNGLOW	23206.00				
INSURANCE OF EQUIPMENT	5791.00				
TRAVELING EXP.	23015.00				
MISC. EXPENSES	34846.00				



V.P.R.P.T.P.SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2010
(2009-2010)

EXPENDITURE	RS. Ps.	RS. Ps.	INCOME	RS. Ps.	RS. Ps.
BANK COMMISSION EXPS	3634.50				
ADVERSITMENT EXPS.	19400.00				
PEON DRESS	16225.00				
TEST EXAM FEEES	6227.00	589388.50			
			INCOME OVER EXPENCIES		1370042.00
TOTAL		31778126.00	TOTAL		31778126.00

Date: 31.03.10

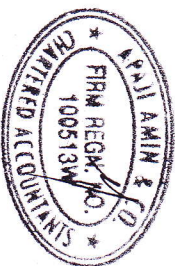
Principal
Principal
V.P.R.P.T.P.SCIENCE COLLEGE
VALLABH VIDYANAGAR-388 120
VALLABH COLLEGE

Chartered Accountant
Apaji amin & co.
Chartered Accountant.
AHMEDABAD



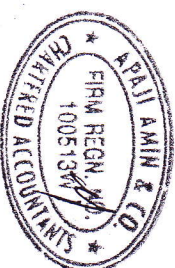
V.P.R.P.T.P.SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2011
(2010-2011)

EXPENDITURE	RS. Ps.	RS. Ps.	INCOME	RS. Ps.	RS. Ps.
TO SALARY			BY FEES		
Basic pay	35821383.00		Tuition Fees	1070400.00	
Staff D.A.	12735185.00		Library Fees	62560.00	
Staff H.R.A.	3090139.00		Laboratory Fees	312800.00	
Staff M.A.	89800.00				1445760.00
Transport Allowance	200000.00		BY OTHER FEES		
P.F. Contribution	137564.00		T.C. Fees		6040.00
Bonus 2009-10	34538.00		I CARD FEES		15640.00
MEDICAL REMUNERATION		52108609.00	TEST EXAM FEES		19134.00
		1380.00	LIBRARY CURRENT		8425.00
TO GOVT. TUITION FEE					
Sub- Treasury, Anand	1070400.00				
MAINTANCE GRANT		1070400.00			
LAB CURRENT EXP.			BY GOVT. GRANTS		
PHYSICS	26841.00		SALARY GRANT	52108649.00	
MICROBIOLOGY	139004.00		MAINTANCE GRANT	419560.00	
ELECTRONICS	17314.00				52528209.00
COMPUTER	14829.00				
CHEMISTRY	398026.00				
BIOLOGY	82427.00				
INC CHEMISTRY					
ENG.DEPT.					
MATHES		678441.00			



V.P.R.P.T.P.SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2011
(2010-2011)

EXPENDITURE	RS. Ps.	RS. Ps.	INCOME	RS. Ps.	RS. Ps.
LAB EQUIPMENT EXP.					
PHYSICS	51504.00				
MICROBIOLOGY					
ELECTRONICS	16675.00				
COMPUTER					
CHEMISTRY					
BIOLOGY					
INC CHEMISTRY		68179.00			
ENG.DEPT.					
LIBRARY EXP.					
BOOKS	94132.00				
CURRENT	0.00	94132.00			
RENT					
BUILDING RENT	80465.00				
BUILDING MAINTENANCE EXP.	28171.00				
PANCHAYAT TAX ON COLLEGE BUILDI	71647.00	180283.00			
OTHER EXPENDITURE					
ELECTRICITY	341218.00				
WATER AND SANITATION	30347.00				
WASHING ALLOWANCE	5040.00				
STATIONARY & PRINTING EXP.	77097.00				
AUDIT FEE	8055.00				
POST TELEGRAM	6427.00				
TELEPHONE EXP.	12965.00				
RENT FOR PRINCIPAL BUNGLOW	2329.00				
INSURANCE OF EQUIPMENT	5791.00				
TRAVELING EXP.	46915.00				



V.P.R.P.T.P.SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2011
(2010-2011)

EXPENDITURE	RS. Ps.	INCOME	RS. Ps.	RS. Ps.
MISC. EXPENSES	24024.50			
BANK COMMISSION EXPS	150.25			
HEALTH CARD GRANT	618.00			
LIBRARY MEMBERSHIP	9462.00			
UGC PHYSICS SEMMINER	148920.00			
	719358.75	" Excess of Exps. Over Incomes carried to B/S		897574.75
TOTAL	54920782.75	TOTAL		54920782.75

Date: 31.03.10

Principal
V.P. & R.P.T.P.SCIENCE
COLLEGE
VALLABH VIDYANAGAR
388120

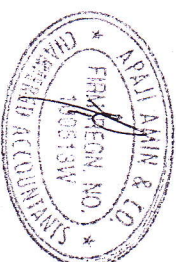
Apaj amin & co.
Chartered Accountant.
AHMEDABAD



V.P.R.P.T.P.SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2012
(2011-2012)

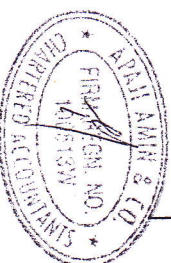
Annexure 6

EXPENDITURE	RS. Ps.	RS. Ps.	INCOME	RS. Ps.	RS. Ps.
TO SALARY			BY FEES		
Basic pay	36913776.00		Tuition Fees	1112400.00	
Staff D.A.	18639585.00		Laboratory Fees	313800.00	
Staff H.R.A.	3376766.00		Library Fees	62760.00	1488960.00
Staff M.A.	86700.00				
Transport Allowance	197826.00		BY OTHER FEES		
P.F. Contribution	166840.00		T.C. Fees	8200.00	
Bonus 2009-10	34538.00		I CARD FEES	15690.00	
		59416031.00	TEST EXAM FEES	55227.00	
MEDICAL REMUNERATION			INC LAB CURRENT	10300.00	89417.00
TO GOVT.					
Tuition Fees to Treasury		1112400.00			
MAINTANCE GRANT		0.00			
LAB CURRENT EXP.			BY GOVT. GRANTS		
PHYSICS	24421.00		SALARY GRANT	59416031.00	
MICROBIOLOGY	98321.00		MAINTANCE GRANT	759437.00	60175468.00
ELECTRONICS	27098.00				
COMPUTER	15803.00				
CHEMISTRY	385588.00				
BIOLOGY	61607.00				
INC CHEMISTRY					
ENG.DEPT.					
MATHES		612838.00			



V.P.R.P.T.P.SCIENCE COLLEGE VALLABH VIDYANAGAR
INCOME AND EXPENDITURE AS ON 31.03.2012
(2011-2012)

EXPENDITURE	RS. Ps.	RS. Ps.	INCOME	RS. Ps.	RS. Ps.
LAB EQUIPMENT EXP.					
PHYSICS					
MICROBIOLOGY					
ELECTRONICS					
COMPUTER					
CHEMISTRY					
BIOLOGY					
INC.CHEMISTRY					
ENG.DEPT.		0.00			
LIBRARY EXP.					
BOOKS	95544.00				
CURRENT	22675.00	118219.00			
RENT					
BUILDING RENT	80465.00				
BUILDING MAINTENANCE EXP.	129826.00				
PANCHAYAT TAX ON COLLEGE BUILDING	68651.00	278942.00			
OTHER EXPENDITURE					
ELECTRICITY	243555.00				
WATER AND SANITATION	35835.00				
WAGES	19500.00				
STATIONARY & PRINTING EXP.	60976.00				
AUDIT FEE	15238.00				
POST TELEGRAM	7132.00				
TELEPHONE EXP.	11909.00				
RENT FOR PRINCIPAL BUNGLOW	5791.00				
INSURANCE OF EQUIPMENT					
TRAVELING EXP.	21225.00				



V.P.R.P. T.P. SCIENCE COLLEGE VALLABH VIDYANAGAR
 INCOME AND EXPENDITURE AS ON 31.03.21
 (2011-2012)

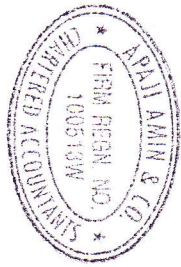
EXPENDITURE		RS. Ps.	INCOME	RS. Ps.	RS. Ps.
MISC. EXPENSES BANK COMMISSION EXPS COLLEGE GYMAKHANA	27305.00 2024.00 76520.00				
		527010.00	" Excess of Exps. Over Incomes carried to B/S		311595.00
TOTAL		62065440.00	TOTAL		62065440.00

[Signature]
 Principal

V.P. R. P. T. P. SCIENCE COLLEGE
 VALLABH VIDYANAGAR-388120.

[Signature]
 Apaji amin & co.

Chartered Accountant.
 AHMEDABAD



VP & RPTP SCIENCE COLLEGE

Minaxi Lalit Science Award Test

Minaxi Lalit Science Award Test is a state level competition and conducted by Gujarat Science Academy once a year. The following students of our college received these precious awards:

Minaxi Lalit Science Award Test Year - 2006

Sr No	Name of the Student	Subject	Position
1	Dabhi Bimal P.	Mathematics	First
2	Parmar Govindbhai R	Mathematics	Second
3	Joshi Maulik	Chemistry	Second

Minaxi Lalit Science Award Test - 2008

Sr No	Name of the Student	Subject	Position
1	Chruvattil Ragitha P	Microbiology	First
2	Darjee Jitesh S	Botany	Second
3	Chudasama Vibha R	Zoology	Second
4	Purohit Vishal B	Chemistry	Second

Minaxi Lalit Science Award Test - 2009

Sr No	Name of the Student	Subject	Position
1	Panchal Vaishali D	Botany	First
2	Manpreetkaur K Saini	Botany	Second
3	R C Elizabeth Vincent	Zoology	Second
4	Shah Ronnie D	Maths	second

Minaxi Lalit Science Award Test - 2010

Sr No	Name of the Student	Subject	Position
1	Minnu Gopalkrishnan	Botany	First
2	Samal Josana A	Botany	Second
3	Shah Ronnie D	Maths	First

Minaxi Lalit Science Award Test - 2012

Sr No	Name of the Student	Subject	Position
1	Minnu Gopalkrishnan	Botany	First
2	Maurya Janmetri D	Botany	Second

NATIONAL CADET CORPS (BOYS)
V.P. & R.P.T.P.SCIENCE COLLEGE, VALLABH VIDYANAGAR
2006 – 2007

The annual report for the NCC (BOYS) activities of V.P. & R.P.T.P. SCIENCE COLLEGE, VALLABH VIDYANAGAR during the academic year of 2006–2007 is as given under.

At the beginning of the year 37 boys have been enrolled in First year in NCC. Year wise strength is as given below.

FIRST YEAR IN NCC	:	37
SECOND YEAR IN NCC	:	37
THIRD YEAR IN NCC	:	36
TOTAL	:	110

During the academic year of 2006–2007 NCC cadets have attended various camps as given below.

SR. NO.	CAMP	PLACE	NO. OF NCC CADETS	DURATION
1	ROCK CLIMBING AND TREKKING CAMP	KERALA	01	2-13 MAY,2006
2	ARMY ATTACHMENT CAMP	BHUJ	08	8-22 MAY,2006
3	NATIONAL INTEGRATION CAMP (NIC)	VALLAM (TAMILNADU)	05	8-19 JUNE,2006
4	CATC CAMP	VADTAL	25	14-25 JUNE,2006
5	CATC CAMP	V.V.NAGAR	09	25 JULY-05 AUG,2006
6	TREKKING CAMP	NAINITAL	03	15-28 SEPT,2006
7	CATC CAMP	KARAMSAD	31	23 OCT-03 NOV,2006
8	CATC CAMP	DAKOR	05	04-15 NOV,2006
9	CATC CAMP (RDC-IGC)	BARODA	05	20 NOV-01 DEC,200
10	CATC CAMP (RDC-I)	BARODA	05	02-13 DEC,2006
11	CATC CAMP (RDC-II)	BARODA	05	14-25 DEC,2006
12	REPUBLIC DAY CAMP	NEW DELHI	04	30 DEC – 29 JAN,2007
13	NATIONAL INTEGRATION CAMP (NIC)	AIZWAL, MIZORAM	03	5-16 JAN,2007
14	LITTLE RANN OF KUTCH NCC EXPEDITION	KUTCH	02	7 - 16 JAN,2007

15	NATIONAL INTEGRATION CAMP (NIC)	AHMEDABAD	02	12-23 JAN,2007
16	SPECIAL NATIONAL INTEGRATION CAMP (NIC)	ANDAMAN & NICOBAR	01	19 FEB – 03 MARCH,2007

NCC officer Lt. Dr. M.M.MOREKAR has attended the following NCC camps.

SR. NO.	CAMP	PLACE	DURATION
1	CATC CAMP	V.V.NAGAR	25 JULY-05 AUG,2006
2	CATC CAMP	KARAMSAD	23 OCT-03 NOV,2006
3	LITTLE RANN OF KUTCH NCC EXPEDITIONS	KUTCH	7 - 16 JAN,2007

FIVE NCC CADETS have represented GUJARAT in NATIONAL INTEGRATION CAMP (NIC) at VALLAM (TAMILNADU) during 8-19 JUNE, 2006 and have secured the following prizes.

- (1) GROUP SONG COMPETITION : FIRST POSITION
- (2) GROUP DANCE COMPETITION : FIRST POSITION
- (3) NATIONAL INTEGRATION : SECOND POSITION
AWARENESS PRESENTATION

In CATC CAMP at VADTAL (14-25 JUNE, 2006), CDT SUTARIA MIT has secured FIRST POSITION in FIRING COMPETITION and CDT HARSH TRIVEDI has secured SECOND POSITION in POSTER PAINTING COMPETITION.

NCC cadets along with the NCC officer Lt. Dr. M .M. MOREKAR have participated in the rally of ANTITOBACCO CAMPAIGN organized by LIONS CLUB OF GROUPS conducted by NCC GROUP HQ, VALLABH VIDYANAGAR on 21st NOVEMBER,2006.

NCC cadets along with the NCC officer Lt. Dr. M .M. MOREKAR have participated in GUARD OF HONOUR PARADE in the honour of GOVERNER of GUJARAT on 15th DECEMBER, 2006 at S.P.UNIVERSITY, VALLABH VIDYANAGAR.

THREE NCC CADETS have represented GUJARAT in NATIONAL INTEGRATION CAMP (NIC) at AIZWAL(MIZORAM) during 5-16 JANUARY, 2007 and have secured the following prizes.

(1) NATIONAL INTEGRATION : FIRST POSITION
AWARENESS PRESENTATION

(2) GROUP DANCE COMPETITION : THIRD POSITION

NCC cadets along with NCC officer Lt. Dr. M.M.MOREKAR have celebrated REPUBLIC DAY PARADE on 26th JANUARY, 2007 at SHASTRI MAIDAN, VALLABH VIDYANAGAR.

FOUR NCC cadets SUO PATIL PREMKUMAR KRISHNA, UO CHANGDA RIYAZ MAHMADBASIR, CDT SUTARIA MIT BANKIMBHAI and CDT PATEL NIRAV BALUBHAI were selected for REPUBLIC DAY CAMP and have represented GUJARAT at NEW DELHI from 30-12-2006 to 29-01-2007. Their ACHIEVEMENTS are as under.

UO CHANGDA RIYAZ has secured THIRD POSITION in BEST CADET COMPETITION

SUO PATIL PREMKUMAR was selected for RAJPATH MARCHPAST

UO CHANGDA RIYAZ has been awarded GOVERNER'S MEDAL for the BEST NCC CADET OF SENIOR DIVISION ARMY WING OF NCC DIRECTORATE OF GUJARAT.

CDT AMIN PRATIK VINODBHAI is selected for SPECIAL NATIONAL INTEGRATION CAMP (NIC) will be held at ANDAMAN & NICOBAR from 19th FEBRUARY, 2007 to 2nd MARCH, 2007.

For the academic year 2006-2007 the following N.C.C.Cadets have been awarded as,

BEST CADET:	UO CHANGDA RIYAZ MAHMADBASIR
BEST ALL-ROUNDER:	SUO PATIL PREMKUMAR KRISHNA
BEST FIRER:	UO SHAHSHTRABUDDHE KUMAR RAMKRUSHANA

NATIONAL CADET CORPS (BOYS)
V.P. & R.P.T.P.SCIENCE COLLEGE, VALLABH VIDYANAGAR
2007 – 2008

The annual report for the NCC (BOYS) activities of V.P. & R.P.T.P. SCIENCE COLLEGE, VALLABH VIDYANAGAR during the academic year of 2007–2008 is as given under.

At the beginning of the year 57 boys have been enrolled in First year in NCC. Year wise strength is as given below.

FIRST YEAR IN NCC	: 57
SECOND YEAR IN NCC	: 22
THIRD YEAR IN NCC	: 31
TOTAL	: 110

During the academic year of 2007–2008 NCC cadets have attended various camps as given below.

SR. NO.	CAMP	PLACE	NO. OF NCC CADETS	DURATION
1	SSB CAMP	KAMPTEE, NAGPUR	01	10-19 MAY,2007
2	ARMY ATTACHMENT CAMP	BHUJ	08	23 APRIL-06 MAY,2007
3	CATC CAMP	VALLABH VIDYANAGAR	15	01-12 JUNE,2007
4	TREKKING CAMP	SASANGIR	05	17-30 SEPT,2007
5	ADVANCED LEADERSHIP CAMP	ASANSOL (WEST BENGAL)	05	24 SEPT – 05 OCT,2007
6	YOUTH EXCHANGE PROGRAMME (YEP CAMP)	RUSSIA	01	07 – 18 OCT,2007
7	CATC CAMP	KARAMSAD	10	30 OCT – 08 NOV, 2007
8	CATC CAMP	KARAMSAD	01	12-21 NOV., 2007
9	CATC CAMP (RDC-IGC)	AHMEDABAD	01	22 NOV-01 DEC,2007
10	CATC CAMP (PRE RDC-I)	AHMEDABAD	01	04-13 DEC,2007
11	CATC CAMP (PRE RDC-II)	AHMEDABAD	01	14-23 DEC,2007
12	ARMY ATTACHMENT CAMP	BHUJ	05	15- 29 DECEMBER,2007
13	REPUBLIC DAY CAMP	NEW DELHI	01	30 DEC – 29 JAN,2008
14	NATIONAL INTEGRATION CAMP (NIC)	NEW DELHI	01	19 -30 JANUARY,2008

NCC officer Lt. Dr. M.M.MOREKAR has attended the following NCC camps.

SR. NO.	CAMP	PLACE	DURATION
1	CATC CAMP	KARAMSAD	30 OCT – 08 NOV, 2007

In CATC CAMP at VALLABH VIDYANAGAR (01 – 12 JUNE, 2007), LCPL ZALA RAVINDRASINH GHANSHYAMSINH has secured FIRST POSITION in FIRING COMPETITION.

NCC cadets along with the NCC officer Lt. Dr. M .M. MOREKAR have participated in the rally to celebrate 150TH YEARS OF IST WAR OF INDEPENDENCE conducted by NCC GROUP HQ, VALLABH VIDYANAGAR on 13th OCT, 2007.

NCC cadets along with NCC officer Lt. Dr. M.M.MOREKAR have celebrated INDEPENDENCE DAY on 15th AUGUST 2007 at V.P. & R.P.T.P.SCIENCE COLLEGE, VALLABH VIDYANAGAR.

In ADVANCED LEADERSHIP CAMP at ASANSOL (WEST BENGAL) (24 SEPT – 05 OCT, 2007), SGT BULSARA RACHIRKUMAR DEEPAKKUMAR has secured FIRST POSITION in DEBATE COMPETITION.

NCC cadet SUO SUTARIA MIT BANKIM was selected for YOUTH EXCHANGE PROGRAMME (YEP CAMP) and has represented INDIA at RUSSIA from 07-10-2007 to 18-10-2007.

NCC cadets along with the NCC officer Lt. Dr. M .M. MOREKAR have participated in the rally to celebrate 150TH YEARS OF IST WAR OF INDEPENDENCE conducted by NCC GROUP HQ, VALLABH VIDYANAGAR on 13th OCT, 2007.

NCC cadet LCPL RANA KRISHNASINH VIKRAMSINH was selected for REPUBLIC DAY CAMP and has represented GUJARAT at NEW DELHI from 30-12-2007 to 29-01-2008 and was also selected for RAJPATH MARCHPAST

NCC cadets along with the NCC officer Lt. Dr. M .M. MOREKAR have participated in GUARD OF HONOUR PARADE in the honour of GOVERNER of GUJARAT on 13th JANUARY, 2008 at S.P.UNIVERSITY, VALLABH VIDYANAGAR.

NCC cadets along with NCC officer Lt. Dr. M.M.MOREKAR have celebrated REPUBLIC DAY PARADE on 26th JANUARY, 2008 at SHASTRI MAIDAN, VALLABH VIDYANAGAR.

For the academic year 2007-2008 the following N.C.C.Cadets have been awarded as,

BEST CADET	:	SUO SUTARIA MIT BANKIM
BEST ALL-ROUNDER	:	UO PATEL NIRAVKUMAR BALUBHAI
BEST FIRER	:	LCPL ZALA RAVINDRASINH GHANSHYAMSINH

NATIONAL CADET CORPS (BOYS)
V.P. & R.P.T.P.SCIENCE COLLEGE, VALLABH VIDYANAGAR
2008 – 2009

The annual report for the NCC (BOYS) activities of V.P. & R.P.T.P. SCIENCE COLLEGE, VALLABH VIDYANAGAR during the academic year of 2008–2009 is as given under.

At the beginning of the year 58 boys have been enrolled in First year in NCC. Year wise strength is as given below.

FIRST YEAR IN NCC	:	58
SECOND YEAR IN NCC	:	35
THIRD YEAR IN NCC	:	17
TOTAL	:	110

During the academic year of 2007–2008 NCC cadets have attended various camps as given below.

SR. NO.	CAMP	PLACE	NO. OF NCC CADETS	DURATION
1	SSB CAMP	KAMPTEE, NAGPUR	01	08-19 MAY,2008
2	SUMMER CAMP	SAPUTARA	06	28 MAY-06 JUNE,2008
3	SUMMER CAMP	JUNAGADH	01	28 MAY-06 JUNE,2008
4	CATC CAMP	KHAMBHAT	12	09-18 JUNE,2008
5	CATC CAMP	VASO	03	06-15 JULY,2008
6	CATC CAMP	SHIMALIYA	01	10-19 AUG,2008
7	CATC CAMP	CHANGA	35	23 AUG-01 SEPT,2008
8	CATC CAMP	KARAMSAD	11	01-10 NOV,2008
9	CATC CAMP	KARAMSAD	22	11-20 NOV,2008
10	SSB CAMP	KAMPTEE, NAGPUR	01	11-20 NOV,2008
11	CATC CAMP (RDC-IGC)	AHMEDABAD	01	26 NOV-05 DEC,2008
12	CATC CAMP (PRE RDC-I)	AHMEDABAD	01	09-18 DEC,2008
13	CATC CAMP (PRE RDC-II)	AHMEDABAD	01	19-28 DEC,2008
14	CATC CAMP	THAMNA	04	21-30 DEC,2008
15	REPUBLIC DAY CAMP	NEW DELHI	01	30 DEC – 29 JAN,2009
16	TREKKING CAMP	GAYA	05	05- 18 JAN,2009
17	NATIONAL INTEGRATION CAMP	AGARTALA	05	07 - 18 JAN,2008

NCC officer Lt. Dr. M.M.MOREKAR has attended the following NCC camps.

SR. NO.	CAMP	PLACE	DURATION
1	CATC CAMP	CHANGA	23 AUG-01 SEPT,2008

In CATC CAMP at CHANGA (23 AUG-01 SEPT,2008), CDT ABHISHEK BHARATBHAI has secured SECOND POSITION in CHESS COMPETITION and CPL PATEL VIKASHKUMAR PANKAJBHAI has secured THIRD POSITION in CROSS COUNTRY COMPETITION.

NCC cadets along with NCC officer Lt. Dr. M.M.MOREKAR have celebrated INDEPENDENCE DAY on 15th AUGUST 2008 at V.P. & R.P.T.P.SCIENCE COLLEGE, VALLABH VIDYANAGAR.

NCC cadet UO BHANDERI DHARMESH DHIRAJLAL selected for REPUBLIC DAY CAMP and has represented GUJARAT at NEW DELHI from 30-12-2008 to 29-01-2009 and was also selected for RAJPATH MARCHPAST

NCC cadets along with the NCC officer Lt. Dr. M .M. MOREKAR have participated in GUARD OF HONOUR PARADE in the honour of GOVERNER of GUJARAT on 15th DECEMBER, 2008 at S.P.UNIVERSITY, VALLABH VIDYANAGAR.

NCC cadets along with NCC officer Lt. Dr. M.M.MOREKAR have celebrated REPUBLIC DAY PARADE on 26th JANUARY, 2009 at SHASTRI MAIDAN, VALLABH VIDYANAGAR.

For the academic year 2008-2009 the following N.C.C.Cadets have been awarded as,

BEST CADET : SUO RANA KRISHNASINH VIKRAMSINH
BEST ALL-ROUNDER : UO PATEL ALPESHKUMAR NATVARLAL
BEST FIRER : SGT PATEL PUNIT KRUSHNAKANT

NATIONAL CADET CORPS (BOYS)
V.P. & R.P.T.P.SCIENCE COLLEGE, VALLABH VIDYANAGAR
2009 – 2010

The annual report for the NCC (BOYS) activities of V.P. & R.P.T.P. SCIENCE COLLEGE, VALLABH VIDYANAGAR during the academic year of 2009–2010 is as given under.

At the beginning of the year 30 boys have been enrolled in First year in NCC. Year wise strength is as given below.

FIRST YEAR IN NCC : 30
SECOND YEAR IN NCC : 25
TOTAL : 55

During the academic year of 2009–2010 NCC cadets have attended various camps as given below.

SR. NO.	CAMP	PLACE	NO. OF NCC CADETS	DURATION
1	ARMY ATTACHMENT CAMP	AHMEDABAD	06	10-23 MAY,2009
2	NATIONAL INTEGRATION CAMP	RUSHIKESH	03	29 MAY– 09 JUNE,2009
3	CATC CAMP	KAPADVANJI	04	28 JUNE-07 JULY,2009
4	CATC CAMP	KHAMBHAT	03	26 JULY - 04 AUG,2009
5	CATC CAMP	WALMI	22	17-26 AUG,2009
6	ARMY ATTACHMENT CAMP	BHUJ	08	19 OCT – 02 NOV,2009
7	CATC CAMP	KARAMSAD	18	23 OCT – 01 NOV,2009
8	NATIONAL INTEGRATION CAMP	GODHARA	04	02-13 NOV,2009
9	CATC CAMP	BAKROL	06	16-25 NOV,2009
10	CATC CAMP (RDC-IGC)	AHMEDABAD	04	27 NOV-06 DEC,2009
11	NATIONAL INTEGRATION CAMP	KOHEMA (NAGALAND)	01	30 NOV-11 DEC,2009
12	NATIONAL INTEGRATION CAMP	KERALA (KOLLAM)	02	19 – 30 DEC,2009
13	TREKKING CAMP	SAPUTARA	03	08 – 21 DEC,2009
14	ADVANCED LEADERSHIP CAMP	CHAKLASI	01	10 – 21 DEC,2009
15	CATC CAMP (PRE RDC-I)	AHMEDABAD	01	09-18 DEC,2008
16	CATC CAMP (PRE RDC-II)	AHMEDABAD	01	19-28 DEC,2008
17	REPUBLIC DAY CAMP	NEW DELHI	01	30 DEC – 29 JAN,2010

NCC officer Lt. Dr. M.M.MOREKAR has attended the following NCC camps.

SR. NO.	CAMP	PLACE	DURATION
1	NATIONAL INTEGRATION CAMP	RUSHIKESH	29 MAY– 09 JUNE,2009
2	CATC CAMP	KARAMSAD	23 OCT – 01 NOV,2009

In CATC CAMP at WALMI (17-26 AUG, 2009), CDT DAVE BHISHMA SANJAYKUMAR has secured FIRST POSITION in DEBATE COMPETITION.

In CATC CAMP at KARAMSAD (23 OCT – 01 NOV, 2009), CDT SANKALPURA DHRUPESH DINKARRAY has secured FIRST POSITION in CHESS COMPETITION.

NCC cadets along with NCC officer Lt. Dr. M.M.MOREKAR have celebrated INDEPENDENCE DAY on 15th AUGUST 2009 at V.P. & R.P.T.P.SCIENCE COLLEGE, VALLABH VIDYANAGAR.

NCC cadets along with the NCC officer Lt. Dr. M .M. MOREKAR have participated in GUARD OF HONOUR PARADE in the honour of GOVERNER of GUJARAT on 15th DECEMBER, 2009 at S.P.UNIVERSITY, VALLABH VIDYANAGAR.

NCC cadet SUO PATEL DARSHAK RAMESHBHAI selected for REPUBLIC DAY CAMP and has represented GUJARAT at NEW DELHI from 30-12-2009 to 29-01-2010.

NCC cadets along with NCC officer Lt. Dr. M.M.MOREKAR have celebrated REPUBLIC DAY PARADE on 26th JANUARY, 2010 at SHASTRI MAIDAN, VALLABH VIDYANAGAR.

For the academic year 2009-2010 the following N.C.C.Cadets have been awarded as,

BEST CADET	:	SUO DARSHAK RAMESHBHAI PATEL S.Y.B.Sc.(Roll No. 232)
BEST ALL-ROUNDER	:	UO ASHISHVAN KISHORVAN GAUSWAMI S.Y.B.Sc.(Roll No. 6)
BEST FIRER	:	CPL DAVE BHISHMA SANJAYKUMAR F.Y.B.Sc.(Roll No. 473)

NATIONAL CADET CORPS (BOYS)
V.P. & R.P.T.P.SCIENCE COLLEGE, VALLABH VIDYANAGAR
2010 – 2011

The annual report for the NCC (BOYS) activities of V.P. & R.P.T.P. SCIENCE COLLEGE, VALLABH VIDYANAGAR during the academic year of 2010–2011 is as given under.

At the beginning of the year 45 boys have been enrolled in First year in NCC. Year wise strength is as given below.

FIRST YEAR IN NCC	:	45
SECOND YEAR IN NCC	:	25
TOTAL	:	70

During the academic year of 2010–2011 NCC cadets have attended various camps as given below.

S.R. NO.	CAMP	PLACE	NO. OF NCC CADETS	DURATION
1	RCTC CAMP	NEYYAR DAM (KERALA)	03	03 – 14 MAY,2010
2	OTA TRAINING	KAMPTEE (NAGPUR)	01	09 – 19 MAY,2010
3	CATC CAMP	KHAMBHAT	03	20 – 29 JULY,2010
4	CATC CAMP	VADTAL	21	01 – 10 AUGUST,2010
5	TREKKING CAMP	HEMKUND SAHIB (UTTRAKHAND)	02	01 – 15 SEPTEMBER,2010
6	CATC CAMP	VASO	03	04 – 13 OCTOBER,2010
7	CATC CAMP	WALMI	29	17 – 26 OCTOBER,2010
8	ARMY ATTACHMENT CAMP	BHUJ	06	18 – 30 OCTOBER,2010
9	CATC CAMP (RDC-IGC)	NARSANDA	04	26 OCT - 04 NOV,2010
10	NATIONAL INTEGRATION CAMP	AHMEDABAD	04	16 – 23 NOVEMBER,2010
11	CATC (PRE RDC I)	PALANA	04	20 – 29 NOVEMBER,2010
12	CATC (PRE RDC II)	GODHRA	04	30 NOV – 09 DEC,2010
13	CATC (PRE RDC III)	WALMI	20	10 – 19 DECEMBER,2010
14	CATC (PRE RDC VI)	THAMNA	04	20 – 29 DECEMBER,2010
15	REPUBLIC DAY CAMP	NEW DELHI	03	30 DEC – 29 JAN,2011
16	NATIONAL INTEGRATION CAMP	PATAUDI	02	18 - 29 JANUARY,2011
17	SPECIAL NATIONAL INTEGRATION CAMP	ANDAMAN - NICOBAR	01	07 – 18 FEBRUARY,2011

NCC officer Lt. Dr. M.M.MOREKAR has attended the following NCC camps.

SR. NO.	CAMP	PLACE	DURATION
1	CATC (PRE RDC III)	WALMI	10 – 19 DECEMBER,2010

In CATC CAMP at VADTAL (01 – 10 AUGUST, 2010), CDT PARMAR SHARADKUMAR KIRITBHAI (S.Y.B.Sc Roll No. 223) has secured FIRST POSITION in BEST SPEAKAR.

In CATC CAMP at VADTAL (01 – 10 AUGUST, 2010), CDT ADESHARA VRUSHANK KUMAR ILESHKUMAR (S.Y.B.Sc Roll No. 232) has secured FIRST POSITION in BEST FIRER COMPETITION.

NCC cadets along with NCC officer Lt. Dr. M.M.MOREKAR have celebrated INDEPENDENCE DAY on 15th AUGUST 2100 at V.P. & R.P.T.P.SCIENCE COLLEGE, VALLABH VIDYANAGAR.

In CATC CAMP (PRE RDC III) at WALMI (17 – 26 OCTOBER,2010) CDT PARMAR SHARADKUMAR KIRITBHAI CDT PARMAR SHARADKUMAR KIRITBHAI (S.Y.B.Sc Roll No. 223) was appointed as CADET CAMP COMMANDANT on CADETS CAMP DAY.

In CATC CAMP (PRE RDC III) at WALMI (10 – 19 DECEMBER, 2010), CDT MANSOORI SAHIL ISMAIL was awarded as BEST CADETS APPOINTMENT.

In CATC CAMP (PRE RDC III) at WALMI (10 – 19 DECEMBER, 2010), CDT MANSOORI SAHIL ISMAIL (T.Y.B.Sc Roll No.286) was appointed as CADET CAMP COMMANDANT on CADETS CAMP DAY.

In CATC CAMP (PRE RDC III) at WALMI (10 – 19 DECEMBER, 2010), CDT PATEL KRUNALKUMAR NARENADRABHAI (F.Y.B.Sc Roll No.911) has secured FIRST POSITION in EXTEMPORE COMPETITION.

In CATC CAMP (PRE RDC III) at WALMI (10 – 19 DECEMBER,2010), CDT DELVADIYA DHAVALKUMAR SHANTILAL (F.Y.B.Sc Roll No.480) has secured SECOND POSITION in GROUP DISCUSSION COMPETITION.

In CATC CAMP (PRE RDC III) at WALMI (10 – 19 DECEMBER, 2010), CDT PATEL KRUNALKUMAR NARENADRABHAI (F.Y.B.Sc Roll No.911) has secured THIRD POSITION in GROUP DISCUSSION COMPETITION.

NCC cadets along with the NCC officer Lt. Dr. M .M. MOREKAR have participated in GUARD OF HONOUR PARADE in the honour of GOVERNOR of GUJARAT on 15th DECEMBER, 2010 at S.P.UNIVERSITY, VALLABH VIDYANAGAR
NCC officer Lt. Dr. M .M. MOREKAR was GUARD COMMANEDR in GUARD OF HONOUR PARADE.

NCC cadets along with NCC officer Lt. Dr. M.M.MOREKAR have celebrated REPUBLIC DAY PARADE on 26th JANUARY, 2011 at SHASTRI MAIDAN, VALLABH VIDYANAGAR.

UO MANSOORI SAHIL ISMAIL (T.Y.B.Sc Roll No.286) Selected for REPUBLIC DAY CAMP and represented NCC DIRECTORATE OF GUJARAT at NEW DELHI from 30 DECEMBER, 2010 to 29 JANUARY, 2011.

UO MANSOORI SAHIL ISMAIL (T.Y.B.Sc Roll No.286) is selected as BEST NCC CADET OF GUJARAT and nominated for BEST CADET COMPETITION by NCC DIRECTORATE OF GUJARAT in REPUBLIC DAY CAMP at NEW DELHI from 30 DECEMBER, 2010 to 29 JANUARY, 2011.

UO MANSOORI SAHIL ISMAIL (T.Y.B.Sc Roll No.286) awarded by GOVERNOR'S MEDEL for being BEST NCC CADET OF GUJARAT in REPUBLIC DAY CAMP at NEW DELHI from 30 DECEMBER, 2010 to 29 JANUARY, 2011.

UO MANSOORI SAHIL ISMAIL (T.Y.B.Sc Roll No.286) is also nominated for YOUTH EXCHANGE PROGRAMME by NCC DIRECTORATE OF GUJARAT in REPUBLIC DAY CAMP at NEW DELHI from 30 DECEMBER, 2010 to 29 JANUARY, 2011.

SUO BHUT NITESHKUMAR CHANDUBHAI (S.Y.B.Sc Roll No. 574) Selected for REPUBLIC DAY CAMP and represented NCC DIRECTORATE OF GUJARAT at NEW DELHI from 30 DECEMBER, 2010 to 29 JANUARY, 2011.

UO MALEK AJAZAHENAD ABIDHUSEN (S.Y.B.Sc Roll No. 311) Selected for REPUBLIC DAY CAMP and represented NCC DIRECTORATE OF GUJARAT at NEW DELHI from 30 DECEMBER, 2010 to 29 JANUARY, 2011.

TWO NCC Cadet CDT PATEL KRUNALKUMAR NARENADRABHAI (F.Y.B.Sc Roll No.911) & PATEL HARDIKKUMAR ASHVINBHAI (S.Y.B.Sc Roll No.248) attended NATIONAL INTEGRATION CAMP at PATAUDI (18 - 29 JANUARY,2011) and have secured the following prizes.

- (1) NATIONAL INTEGRATION AWARENESS PRESENTATION : SECOND POSITION
- (2) GROUP DANCE COMPETITION : FIRST POSITION
- (3) GROUP SONG COMPETITION : SECOND POSITION
- (4) OVER ALL CHAMPIONSHIP: SECOND POSITION

SGT RAHULKUMAR PRAFULBHAI THUMMAR (S.Y.B.Sc Roll No. 78) Selected for SPECIAL NATIONAL INTEGRATION CAMP and represented NCC DIRECTORATE OF GUJARAT at ANDAMAN & NICOBAR (07 – 18 FEBRUARY,2011).

35 NCC Cadets under the Leadership of NCC officer Lt. Dr. M.M.MOREKAR took out a rally on 30TH JANUARY,2011 from the College to BAKROL village to raise people's awareness about CLEANLINESS. To drive home the point the NCC Cadets enthusiastically collected plastic bags and other garbage lying on the road side and in various societies and disposed them

properly as part of the Golden Jubilee Year (Swarnim Gujarat) Celebration ,The Hon'ble chief Minister of Gujarat shri Narendra modiji beckons the youth of Gujarat to their time and Energy to samaydan, a programme inspired by the Chief minister for social upliftment,preserving the value system and mass movement for public service under auspices of this programme.

For the academic year 2010-2011 the following N.C.C.Cadets have been awarded as,

BEST CADET	:	UO MANSOORI SAHIL ISMAIL T.Y.B.Sc.(Roll No. 286)
BEST ALL-ROUNDER	:	CDT RATHOD YOGRAJ NATWARSINH S.Y.B.Sc.(Roll No. 110)
BEST FIRER	:	CDT ADESHARA VRUSHANKKUMAR ILESHKUMAR S.Y.B.Sc.(Roll No. 232)

NATIONAL CADET CORPS (BOYS)
V.P. & R.P.T.P.SCIENCE COLLEGE, VALLABH VIDYANAGAR
2011 – 2012

The annual report for the NCC (BOYS) activities of V.P. & R.P.T.P. SCIENCE COLLEGE, VALLABH VIDYANAGAR during the academic year of 2011–2012 is as given under.

At the beginning of the year 27 boys have been enrolled in First year in NCC. Year wise strength is as given below.

FIRST YEAR IN NCC	:	27
SECOND YEAR IN NCC	:	43
TOTAL	:	70

During the academic year of 2011–2012 NCC cadets have attended various camps as given below.

SR. NO.	CAMP	PLACE	NO. OF NCC CADETS	DURATION
1	S S B SCREENING COURSE CAMP	OTA (KAMPTEE,NAGPUR)	01	9- 18 MAY,2011
2	IMA ATTACHMENT CAMP	IMA DEHRADUN	01	14- 25 JUNE,2011
3	NATIONAL INTEGRATION CAMP	PUNGLWA NAGALAND	02	28 MAY – 8 JUNE,2011
4	CATC CAMP	VADTAL	09	20 - 29 JULY, 2011
5	CATC CAMP	THAMNA	29	11 - 20 AUGUST,2011
6	CATC CAMP	THAMNA	07	23 AUG - 01 SEPT, 2011
7	CATC CAMP (RDC – I)	TAHMNA	05	12 - 21 OCT, 2011
8	ARMY ATTACHMENT CAMP	BHUJ	06	23 SEPT- 06 OCT, 2011
9	CATC CAMP (RDC – II)	TALOD	01	29 Oct – 07 Nov,2011
10	CATC CAMP (RDC – III)	PALANA	01	09 – 18 Nov,2011
11	CATC CAMP (RDC – IGC)	AHMEDABAD	01	18 – 27 Nov,2011
12	TREKKING CAMP	SAPUTARA	05	02 – 15 DEC,2011

NCC officer Lt. Dr. M.M.MOREKAR has attended the following NCC camps.

SR. NO.	CAMP	PLACE	DURATION
1	NATIONAL INTEGRATION CAMP	PUNGLWA NAGALAND	28 MAY – 8 JUNE,2011
2	CATC CAMP (TSC IGC)	VASO	01 – 10 AUGUST,2011
3	CATC CAMP (PRE TSC I)	THAMNA	11 - 20 AUGUST,2011
4	CATC CAMP (PRE TSC II)	THAMNA	23 AUG - 01 SEPT, 2011

5	THAL SAINIK CAMP	DELHI	02 – 13 SEPT,2011
6	REFRESHER COURSE (REF/SD/PART – I/112)	OTA,KAMPTEE	01 – 21 NOV,2011

SUO MACHHI HIRENKUMAR KANCHANBHAI (S.Y.B.Sc. Semester IV Roll No.50) has secured FIRST POSITION in NATIONAL INTEGRATION AWARENESS PRESENTATION in NATIONAL INTEGRATION CAMP at PUNGLWA (NAGALAND) (28 MAY – 8 JUNE,2011) .

SUO MACHHI HIRENKUMAR KANCHANBHAI (S.Y.B.Sc. Semester IV Roll No.50) has secured SECOND POSITION in GROUP SONG COMPETITION in NATIONAL INTEGRATION CAMP at PUNGLWA (NAGALAND) (28 MAY – 8 JUNE,2011)

CDT MACHHI MITESHKUMAR GANESHBHAI (F.Y.B.Sc. Semester II Roll No.827) has secured FIRST POSITION in NATIONAL INTEGRATION AWARENESS PRESENTATION in NATIONAL INTEGRATION CAMP at PUNGLWA (NAGALAND) (28 MAY – 8 JUNE,2011).

CDT MACHHI MITESHKUMAR GANESHBHAI (F.Y.B.Sc. Semester II Roll No.827) has secured SECOND POSITION in GROUP SONG COMPETITION in NATIONAL INTEGRATION CAMP at PUNGLWA (NAGALAND) (28 MAY – 8 JUNE,2011).

CPL PANCHAL CHIRAG DHIRUBHAI (S.Y.B.Sc. Semester IV Roll No. 158) has secured FIRST POSITION in FIRING COMPETITION in CATC CAMP at VADTAL (20 - 29 JULY, 2011).

SUO MACHHI HIRENKUMAR KANCHANBHAI (S.Y.B.Sc. Semester IV Roll No.50) has secured FIRST POSITION in BEST CADET COMPETITION in CATC CAMP at THAMNA (11 - 20 AUGUST, 2011),

SUO MACHHI HIRENKUMAR KANCHANBHAI (S.Y.B.Sc. Semester IV Roll No.50) has secured SECOND POSITION in ESSAY WRITING COMPETITION in CATC CAMP at THAMNA (11 - 20 AUGUST, 2011).

CDT THAKOR KUVARSINH BHUPATSINH (S.Y.B.Sc. Semester IV Roll No.168) has secured SECOND POSITION in GROUP SONG COMPETITION in CATC CAMP at THAMNA (11 - 20 AUGUST, 2011),

LCPL THANTH BHARATBHAI DEVJIBHAI (S.Y.B.Sc. Semester IV Roll No.155) has secured SECOND POSITION in GROUP SONG COMPETITION in CATC CAMP at THAMNA (11 - 20 AUGUST, 2011).

CDT UPADHYAY ANKURKUMAR KANUPRASAD (S.Y.B.Sc. Semester IV Roll No.151) has secured SECOND POSITION in GROUP SONG COMPETITION in CATC CAMP at THAMNA (11 - 20 AUGUST, 2011),

CDT PATEL SHUBHAM ASWINKUMAR (F.Y.B.Sc. Semester II Roll No.298) has secured SECOND POSITION in GROUP SONG COMPETITION in CATC CAMP at THAMNA (11 - 20 AUGUST, 2011).

CDT VAGHASIYA HARDIKKUMAR GHELABHAI (F.Y.B.Sc. Semester II Roll No. 229) has secured SECOND POSITION in GROUP SONG COMPETITION in CATC CAMP at THAMNA (11 - 20 AUGUST, 2011).

CDT CHAUHAN AKSHAYKUMAR RAJENDRASINH (F.Y.B.Sc. Semester II Roll No. 5) has secured SECOND POSITION in GROUP DANCE COMPETITION in CATC CAMP at THAMNA (11 - 20 AUGUST, 2011).

CDT VAGHASIYA HARDIKKUMAR GHELABHAI (F.Y.B.Sc. Semester II Roll No. 229) has secured SECOND POSITION in GROUP DANCE COMPETITION in CATC CAMP at THAMNA (11 - 20 AUGUST, 2011),

UO PATEL DEVESH HIMANSHUBHAI (S.Y.B.Sc. Semester IV Roll No.502) has secured SECOND POSITION in ESSAY WRITING COMPETITION in CATC CAMP at THAMNA (12 - 21 OCT, 2011).

SGT PATEL KRUNALKUMAR NARENADRABHAI (S.Y.B.Sc. Semester IV Roll No.610) has secured FIRST POSITION in INTER BATTALION BEST CADET COMPETITION in CATC CAMP (RDC – III) at PALANA (09 – 18 Nov,2011).

NCC cadets along with NCC officer Lt. Dr. M.M.MOREKAR have celebrated INDEPENDENCE DAY on 15th AUGUST 2009 at V.P. & R.P.T.P.SCIENCE COLLEGE, VALLABH VIDYANAGAR.

NCC officer Lt. Dr. M.M.MOREKAR selected as Contingent Commander of Thal Sainik Team of NCC Directorate of Gujarat and Lead the Thal Sainik Team of NCC Directorate of Gujarat in All India Thal Sainik Camp at New Delhi (02 – 13 SEPT,2011).

NCC cadets along with NCC officer Lt. Dr. M.M.MOREKAR has participated in RALLY ON DISASSTER MANAGEMENT on 12 October,2011 organized by 13 GUJ BN. NCC, Vallabh Vidyanagar.

NCC cadets along with NCC officer Lt. Dr. M.M.MOREKAR has participated in RALLY ON ANTI TOBACCO DRIVE on 26 November,2011 organized by 13 GUJ BN. NCC, Vallabh Vidyanagar.

NCC cadets along with the NCC officer Lt. Dr. M .M. MOREKAR have participated in GUARD OF HONOUR PARADE in the honour of GOVERNER of GUJARAT on 15th DECEMBER, 2011 at S.P.UNIVERSITY, VALLABH VIDYANAGAR.

NCC cadets along with NCC officer Lt. Dr. M.M.MOREKAR have celebrated REPUBLIC DAY PARADE on 26th JANUARY, 2012 at SHASTRI MAIDAN, VALLABH VIDYANAGAR.

For the academic year 2011-2012 the following N.C.C.Cadets have been awarded as,

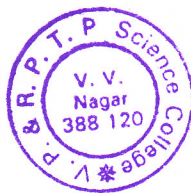
BEST CADET	:	SGT PATEL KRUNALKUMAR ARENADRABHAI (S.Y.B.Sc. Semester IV Roll No.610)
BEST ALL-ROUNDER	:	UO PATEL DEVESH HIMANSHUBHAI (S.Y.B.Sc. Semester IV Roll No.502)
BEST FIRER	:	CPL PANCHAL CHIRAG DHIRUBHAI (S.Y.B.Sc. Semester IV Roll No. 158)

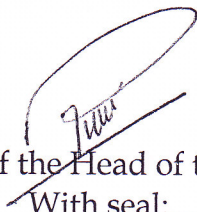
Declaration by the Head of the Institution

I certify that that the data included in this Re-Accreditation Report (RAR) best of my knowledge.

This RAR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this RAR during the peer team visit.




Signature of the Head of the institution

With seal:

PRINCIPAL
V. P. & R. P. T. P. SCI. COLLEGE
VALLABH VIDYANAGAR-388120

Place: Vallabh Vidyanagar

Date: 12/5/12