

The Annual Quality Assurance Report (AQAR) of the IQAC

Name of the Institution: V.P.& R.P.T.P. SCIENCE COLLEGE
Vallabh Vidyanagar-388 120, Gujarat

Year of Report: 2008-09

Part A:

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

In order to chalk out the plan for the curricular/co-curricular/extracurricular activities for the year 2008-09, a meeting of IQAC members was organized on 24th Sept, 2008 and 18 members attended the same. During the meeting the report of the activities of the previous academic year was reviewed and discussed and action plan for the academic year 2008-09 was also chalked out (Please see Appendix A for the brief report of the academic as well as extra curricular activities carried out during the year.).

The structure along with the names of the IQAC members is as under.

Sr. No.	Status	Name of the member	Address
1.	Chairperson	Dr. D.J. Desai	Principal, V.P.& R.P.T.P. Science College
2	Senior Administrative Officers	Mr. Tushar Majumdar	Deputy Registrar, SPU
		Mr. Raghavjibhai M. Patel	Development Officer, SPU
		Mr. P.D. Patel	O.S., V.P. Sc. College
		Ms. Bhartiben Patel	Head. Clark, V.P. Sc. College
		Mr. Bhaskarbai Parekh	Accountant, V.P. Sc. College
3	Teacher members	Dr. Dali Varghese	Biology Department
		Dr. Nikunj Bhatt	Biology Department
		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
4	Management Nominees	Shree R. P. Patel	I/C Secretary, CVM
		Dr. V.S. Patel	Director, SICART V.V. Nagar
		Dr. P. M. Mehtha	Advisor , Research, Biological Sciences, SICART V.V. Nagar
5	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, Nana bazaar, near Water tank , V.V.Nagar
		Mrs. Ashaben Dalal	President , Jagrut Mahila Mandal, Anand
6	Coordinator IQAC	Dr. Rekha S. Patel	Head, Physics Department

Plan Chalked out and executed by the institution in the year 2008-2009.

- i) For proper functioning of the institution and to increase the efficiency of the system, committees were formed. A coordinator leads each committee and in certain committees, co-coordinators were also appointed (See Appendix B).
- ii) The academic planner shows the functioning of the institute round the year. The planner shows the curricular, co-curricular and the extra curricular activities, which is attached with the prospectus of the college (See Appendix C).
- iii) Keeping in mind the time involved in the examinations and for continuous evaluation, this year two internal tests plus one improvement/Arrear test were conducted. The syllabi included in each test were three units for 3 credit courses and two units for 2 credit courses. Moreover unit tests were also conducted by some of the teachers after completion of each unit. In second term of the year the assignment work was given for the F. Y. B. Sc. Students.
- iv) The students were encouraged to participate in various academic, co curricular and extra curricular activities conducted by Universities and other Organizations/Institutions
- v) More than 35 faculty members have attended / presented papers / presented posters in National / International/ Workshops/ Seminars/ Symposia/ Refresher courses etc.

Part B:

1. Activities reflecting the goals and objectives of the institution:

The activities carried out reflecting the goals and objectives for the year are as shown in the annual report. (see Appendix A).

The goals and the objectives of the college are:

- 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 life long 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.
- f) To initiate, consolidate and extrapolate any objectives, function and activities in support of the above.

These are made known to the various stakeholders through prospectus, orientation programme, parents-teachers meeting, academic calendar, personality development programme, communication skills development programme, students counseling, internet facilities, etc.

2. New academic programmes initiated (UG and PG):

Self financed Instrumentation (vocational) has been restarted at UG level.

3. Innovations in curricular design and transaction:

The courses of T. Y. B. Sc. Microbiology, Botany and Zoology are redesigned / revised as per the present requirement.

Dr. D.J. Desai, Dr H. N. Patel and Mr. Piyush Lashkari are working as the chairman, Board of studies- Chemistry, Biosciences, and Electronics of S. P. University respectively.

Some of the members of the staff are appointed as members of the respective board of studies, of S. P. University.

4. Inter-disciplinary programmes started:

Nil

5. Examination reforms implemented:

The following modifications are done in examination evaluation pattern

- (i) During this year two internal tests plus one improvement/Arrear test were conducted. The syllabi included in each test were three units for 3 credit course and two units for 2 credit course. Moreover unit tests were also conducted by some of the teachers after completion of the unit. In second term of the year the assignment work was given for the F. Y. B. Sc. Students.

6. Candidates qualified: NET/SLET/GATE etc.

Most of the members of the staff are having Ph. D/M. Phil degrees and majority of them are recruited before 1996, so **NET/SLET** is not required. But those who are appointed recently are going to appear for NET/SLET.

7. Initiative towards faculty development programme:

More than 35 faculty members have attended / presented papers / presented posters in National / International/ Workshops/ Seminars/ Symposia/ Refresher courses etc.

8. Total number of seminars/workshops conducted:

Nil

9. Research projects

a) Newly implemented:

One major research project sponsored by UGC, New Delhi is awarded to Dr. Nayana Brahmhatt in the subject of Biology. The duration of the project is three years(2009-2012)

One major research project sponsored by UGC, New Delhi is awarded to Dr. B. C. Dixit in the subject of Chemistry. The duration of the project is three years(2009-2012)

Four minor research projects sponsored by UGC, Pune are awarded in the subject Physics for two years (2009-2011) to the following staff members.

- (i) Dr. P. M. Patel
- (ii) Dr. J. K. Baria
- (iii) Dr. A. R. Jivani
- (iv) Mr. P. S. Vyas

Two minor research projects sponsored by UGC, Pune are awarded in the subject Industrial Chemistry for two years (2009-2011) to the following staff members.

- (i) Mr. Jigar Patel
- (ii) Miss Nitha V. John

Ongoing Projects

One major research project sponsored by UGC, New Delhi is awarded to Dr. Minaxi V. Kumar in the subject of Atomic and Molecular Physics The duration of the project is three years(2007-2010)

One major research project sponsored by UGC, New Delhi is awarded to Dr. K. D. Patel in the subject Chemistry. The duration of the project is three years(2007-2009)

One minor research project sponsored by UGC, Pune is awarded to Dr. H.N. Patel in the subject of Microbiology for two years (2007-2009)

One of our staff members presented his Major research proposal to UGC, New Delhi and is awaiting for the result.

10. Patents generated, if any:

Nil

11. New collaborative research programmes:

- Dr. Minaxi Vinodkumar has established International Collaboration with Prof. Nigel Mason, Director of Research and Officer of British Empire (OBE), The Open University, Milton Keynes and Prof. Gustavo Garcia of Spain. Under this Collaboration joint research work is going on. She also visited The Open University for four days in the current year.
- Dr. Minaxi Vinodkumar has initiated National collaboration with Prof. Lokesh Tribedi of Tata Institute of Fundamental Research (TIFR), Mumbai. Under this collaboration her student Mr. Kirti M. Korot visited TIFR, for about two weeks and learnt preliminary experimental methods.
- Dr. Minaxi Vinodkumar has initiated National collaboration with Prof. K. G. Bhushan, Bhabha Atomic Research Centre (BARC), Mumbai. Under this Collaboration joint research work is going on.
She is also having active collaboration with Prof. K. N. Joshipura, Head, Department of Physics, Sardar Patel University, Dr. Chetan Limbachiya of P. S. Science College, Kadi, Gujarat University and Dr. Bobby K. Antony, Tata Institute of fundamental research, Mumbai.
- Dr. A.R. Jivani is having collaborative research work with Prof. P.N. Gajjar of Gujarat University, Ahemedabad and Mr. H.J. Trivedi of N.V. Patel Pure and Applied Science College, S.P. University , Vallabh Vidyanagar.

He is also having active collaboration with Prof. A.R. Jani, Department of Physics, Sardar Patel University, Vallabh Vidyanagar.

- Dr. P.M. Patel (Physics. Dept.) is having collaborative research work with Prof. K.L. Balucha, Department of Physics and Astrophysics , University of Delhi, Delhi. And Prof. C.V. Pandya Department of Physics , M.G. Science College , Ahemedabad .
- Dr. B.C. Dixit is having collaborative research work with Dr. P.R. Dudhagara, Dr. R.K. Patel , Department of Life Science, North Gujarat University and Dr. Anjana Ghelani, Ramkrishna Institute of applied Science SCET College campus Surat. Dr. B.C. Dixit is also having collaborative research work with Prof. T. B. Shah, Department of Chemistry.

He is also having collaborative research work with Dr. R. B. Dixit of Ashok and Rita Patel Institute of Integrated Study and Research in Bio-Technology and allied Sciences , New Vallabh Vidyanagar , Gujarat.

- Dr. V. K. Sinha of Industrial Chemistry is having collaborative research work with Dr. M. R. Patel of N.V. Patel Pure and Applied Science College, S.P. University , Vallabh Vidyanagar and Dr. J. V. Patel of Institute of science and Technology for Advanced Studies and Research (ISTAR), Vallabh Vidyanagar
- Dr. P.M. Patel (IC Dept.) is having collaborative research work with Dr. Vasudev R. Thakkar and Dr. Himanshu Bariya of BRD School of Biosciences, Satellite Campus, Sardar Patel University
- Dr. Minal H. Patel is having collaborative research work with Prof. P.N. Gajjar of Gujarat University, Ahemedabad.

She is also having active collaboration with Prof. A.R. Jani, Department of Physics, Sardar Patel University, Vallabh Vidyanagar

**12. Research grants received from various agencies:
UGC Major / Minor Project**

Sr. No.	Name of the staff	<u>Major / Minor</u>	Grants received	Funding agency
1	Dr. B. C. Dixit	<u>Major</u>	Rs. 6,87,800/-	UGC, New Delhi
2	Dr. N. H. Brahmhatt	<u>Major</u>	Rs. 6,57,300	UGC, New Delhi
3	Dr. P. M. Patel	<u>Minor</u>	Rs. 71,000/-	UGC, Pune
4	Dr. J. K. Baria	<u>Minor</u>	Rs. 1,00,000/-	UGC, Pune
5	Dr. A. R. Jivani	<u>Minor</u>	Rs. 70,000/-	UGC, Pune
6	Mr. P. S. Vyas	<u>Minor</u>	Rs. 80,000/-	UGC, Pune
7	Mr. Jigar Patel	<u>Minor</u>	Rs. 96,000/-	UGC, Pune
8	Miss Nitha V. Jhon	<u>Minor</u>	Rs. 1,21,000/-	UGC, Pune
9	Dr. K. D. Patel (Major)	<u>Major</u>	Rs. 5,34,600/-	UGC, New Delhi

10	Dr. Minaxi V. Kumar (Major)	<u>Major</u>	Rs. 5,92,800/-	UGC, New Delhi
11	Dr. H. N. Patel (Minor)	<u>Minor</u>	Rs. 97000/-	UGC, Pune

13. Details of research scholars:

The details of the research students are as under

Sr. No.	Name of the subject	Number of students
1	Chemistry	9
2	Industrial Chemistry	3
3	Physics	3
4	Microbiology	2

14. Citation index of faculty members and impact factor:

Sr. No.	Name of the faculty members	Citations of published papers till date	Impact Factor
1	Dr. K. D. Patel	1	--
2	Dr. Minaxi V. Kumar	160	JPB-2.012, EPJD-1.821, Int.J.Mass Spectrom- 2.4112.02
3	Dr. Dali Varghese	1	--
4	Dr. B. C. Dixit	9	0.2

15. Honors/Awards to the faculty:

Dr. A. R. Jivani, of Physics department has received Hari Om Ashram Prerit, Bhaikaka Inter University Smarak Trust award for best Research Paper publication in Physics.

16. Internal resources generated:

The internal resources are generated through the following:

1. Alumni Association Fund
2. Golden Jubilee Fund
3. Best College Prize Fund

17. Details of departments getting SAP, COSIST(ASSIST)/DST. FIST, etc. assistance/recognition:

NA

18. Community services:

Dr. D. J. Desai was the convener of co-ordination committee at West Zone Youth festival Competitions hosted by S. P. University & he was also the chairman of Intercollegiate Youth Festival of S.P.U.2008-09.

Several one-day camps such as blood donation camp, medical check up camp for thalassemia, Tree Plantation, campus cleaning etc. were organized.

A Blood donation camp was arranged on 27th August 08 in association with A. D. Gorwala Blood Bank. 131 blood units were donated by our students.

A Medical Check up camp for F.Y.B Sc students was arranged with kind co-operation of a team of Doctors from Shree Krishna Hospital, Karamsad. 620 students took advantage of this camp.

A lecture on 'Nutrition' by Mrs. Bhavana Chauhan, Head, Food and Nutrition department, of Home science College, V.V. Nagar was organized for all lady students and staff members of the college,.

All women staff meets during recess on all alternate Wednesdays. The lady staff members of the college had visited old age home , "Anand Dham", at Lambhel.

NSS volunteers collected Rs.3792/- which was donated to Blind School, Vathvadi and to Bihar relief fund.

14 students took part in state level NSS day celebration at Anand Arts College in which Mr. Shashank Shastri secured 3rd prize in an elocution competition.

Dr. Rekha S. Patel delivered a lecture on " Women Entrepreneurship and Indian women-culture" on women's day, "8th March organized by BAPS (Bochasanvasi Akshar Puroshattam Swaminarayan Sanstha). She also delivered a lecture on " Women Entrepreneurship" on 13th February at Valasan organized by BAPS.

Dr. Rekha S. Patel and Dr. Geeta M. Patel were invited as Judges by Jilla Shikshan Adhikari, Kheda.

Major Rekha S. Patel had given a talk on "Beti Bachhao" to all the cadets of the Vallabh Vidyanagar Group, organized by Vallabh Vidyanagar Group Head Quarter.

Dr. Minaxi V. Kumar was invited as Judge during Navratri Motashav by Sanskar Mandal, S. P. University.

Dr. Sonal. M. Desai worked as a member of co-ordination committee at West Zone Youth festival Competitions. She was also invited to judge a seminar presentation competition at Sardar Patel College of management, Bakhrol and for Debate competition at B.J.V.M.Commerce College. She had chaired a session at a National seminar on 'Female foeticide'. She was invited by Akhil Bharathiya Sahithya Academy for poets meet.

Dr. Rajiv Bhatti of Biology Dept and Dr. Mehul Mehtha of Physics Dept were invited as Resource persons in Nature Educational Camp at Savali forest, Godhra held by Gujarat Forest Dept.

19. Teachers and officers newly recruited:

Teachers: Nil

20. Teaching – Non-teaching staff ratio:

1.41:1

21. Improvements in the library services:

Reference /referral service, Power backup facility, Barcode facility, Inter net computer access, Inter- Library Loan services, addition of one new Inverter cum UPS and addition of two new Barcode Scanners

22. New books/journals subscribed and their value:

Sr. No.	Year	Amount Spent (Books)	No. of Books	Amount Spent (Periodical/Journals/Magazines)	No. of Periodical/Journals/Magazines
1.	2008-2009	College Budget(1) Rs. 40,617	89	Periodical/Journals Rs. 10,468	16
				Magazines Rs. 4,250	17
2	2008-2009	UGC Budget Rs. 48,095	155	Nil	Nil
	Total	Rs. 88,712	244	Rs. 14, 718	33

23. Courses in which student assessment of teachers is introduced and the action taken on student feedback:

Student assessment of teachers is done in all the courses offered in the college. The concerned teachers are cautioned for improvement.

24. Unit cost of education:

- (i) With salary Rs. 25,355.56
- (ii) Without salary Rs. 3,493.40

25. Computerization of administration and the process of admissions and examination results, issue of certificates:

Administration and the process of admissions and examination results, issue of certificates etc. are computerized.

26. Increase in the infrastructure facilities

A research cabin is erected in the department of Biology.

A language Lab of English with ICT facilities is established in the college.

Renovation of Microbiology Lab is under consideration.

27. Technology upgradation:

One new computer is purchased this year. A proposal is made for installation of LAN system throughout the college and is sent to UGC.

28. Computer and Internet access and training to teachers and students:

Computer and internet access facilities are available to teachers and for students on payment of Rs. 1000 per head per year. Majority of the teachers are already trained. Institute is trying to upgrade with high-speed connectivity.

29. Financial aid to students:

The management provides financial support from CVM Scholarship fund and Bhaikaka foundation scholarship fund, for education of the poor and needy students.

Meritorious students are awarded Gold medals and cash awards from Golden Jubilee Fund.

This year the government scholarship for SC Students amounting to Rs. 29,665, for ST students Rs.35, 415 and for Baxi students amounting to Rs. 1, 53,225 has already been paid to the respective students.

30. Activities and Support from the Alumni Association:

Needy students have been given scholarship from the association fund. The fund is also used for maintenance of the various facilities of the college.

The following students are given scholarship from old students fund

Sr. No.	Name of the student	class	Roll No.	Amount given
1	Javal K. Ramawat	F.Y. B. Sc.	779	Rs. 2500/-
2	Dharmesh P. Parmar	F.Y. B. Sc.	973	Rs. 2500/-
3	Mahendra M. Vaghela	F.Y. B. Sc.	421	Rs. 2500/-
4	Sonal R. Balia	T.Y. B. Sc.		Rs. 2500/-

Mr. Bhairav. M. Patel, an alumnus has donated Rs. 50, 000/- for Golden Jubilee Fund. He has also promised to donate Rs. 50, 000/- for college development purposes.

31 Activities and Support from the Parent-Teacher Association:

The institute has arranged Parent's-Teacher meeting twice in the current year, but few parents attended the meeting. Their views and suggestions are collected for the improvement of the college.

32. Health services:

Thalassaemia / Blood Check-up camps were conducted and the doctors referred them to the concerned hospitals. University health center provides health services to all the students and faculty free of charge.

A Medical Check up camp for F.Y. B. Sc students was arranged with kind co-operation of a team of Doctors from Shree Krishna Hospital, Karamsad. 620 students took advantage of this camp.

33. Performance in sports activities:

Dr. M.M. Morakker, Dr. T. H. Patel, Ms. R.H. Solanki were ex-officios and Hitesh Chavda and Ms.Pratiksha Shaily were the student secretaries respectively.

Annual sports day was organized on 21st January 2008 at Shastri Maidan, Vallabh Vidyanagar and following students have been awarded as,

Best athlete (boys) : Ghori Rohit Dhirubhai
2nd best athlete (boys) : Hitesh Nathabhai Chavda
Best athlete (girls) : Khushbu Pareshkumar Shukla
2nd best athlete (girls) : Ghohil Vaishali Laxmanbhai

Girl's Badminton team won runner's-up trophy in Inter collegeate Badminton tournament of Sardar Patel university, vallabh vidyanagar. The members of the runner's-up team are,

(1) Pratishtha Vijay Shaily
(2) Khushbu Pareshkumar Shukla
(3) Megha Kamleshbhai Patel
(4) Rupal Ghanshyambhai Patel

Girl's table tennis team won runner's-up trophy in inter collegeate table tennis tournament of Sardar Patel university, Vallabh vidyanagar. The members of the runner's-up team are,

(1) Niyati Sharadkumar Patwa
(2) Khushbu Pareshkumar Shukla
(3) Sejal Ganpatsinh Rathod
(4) Bhagyashree Ramanbhai Patel
(5) Ankita Shantilal Kesharwani

Pratishtha Vijay Shaily was selected for the badminton team and for the volley ball team of Sardar Patel university, Vallabh Vidyanagar and has participated in the inter university volley ball tournament which was held at Kannor (Kerala).

Niyati Sharadkumar Patwa and Sejal Ganpatsinh Rathod were selected for the table tennis team of Sardar Patel university, Vallabh vidyanagar .They participated in the Inter university volley ball tournament which was held at Baroda (Gujarat).

Yadav Prakash Lallansingh selected for the Basket ball team of Sardar Patel university, Vallabh Vidyanagar and has participated in the inter university basket ball tournament which was held at Jaipur (Rajasthan).

Hitesh Nathabhai Chavda was selected for the athletics team of Sardar patel university, Vallabh Vidyanagar and has participated for the Inter university Athletics tournament, which was held at Ernakulam (Kerala).

Amin Shivani Yogeshbhai has secured 1st position in 50 metre and 100 metre breast stroke swimming (Inter college district competition) organized by Vallabh vidyanagar.

Patel Twinkal Maheshbhai has secured 1st position in individual EPEE Gujarat state fencing championship organized by Amature Fencing Association of Gujarat state under the auspice of Fencing Federation of India & Olympic Association.

Patel Twinkal Maheshbhai has represented Gujarat in xvth Junior National Fencing Championship organized by Fencing Association of Andhra Pradesh, Hyderabad district fencing association at Hyderabad.

34. Incentives to outstanding sportspersons:

Prizes and Certificates are awarded to the outstanding sportspersons. Apart from this the students are given incentives in terms of marks.

35. Student achievements and awards:

A) Academic achievements and awards:

University Level achievements:

The S. P. University **Gold medal** awardees of our college are :

Ms. Snehaben.R.Mithaiwala won **two gold medals** in Chemistry.

Mr. Mehul.B.Kamani(Electronics)

Mr. Gaurav Upadhyay won **two gold medals** in Industrial chemistry.

Ms. Komalben.S.Patel(Botany)

Mr. Savankumar.M.Darjee in theory examinations of F.Y. B.Sc., S.Y. B.Sc. and T.Y. B.Sc. examinations taken together in Chemistry.

Mr. Anurag Sharma (Physics)

The cash prize awardees of our college are:

Mr. Chirag Kumar Praveenkumar Darjee of T.Y.B.Sc received Rs.2100 sponsored by Mr.Rameshbhai Patel (Rinjol), Canada, for securing 1st position in S.Y.BSc Chemistry and Tejas S Jani of T.Y.BSc received Rs.400, instituted by Prof.J.A.Inamdar.

College Level achievements and awards:

- The toppers (15) in various subjects were awarded medals/prizes at the Golden Jubilee Function organized by the college on 27th September. Every year on this day the function is organized to commemorate the birth anniversary of late Shree Vir Vitthalbhai Patel, on whom the college is named after.

List is attached here with see Appendix D

B) Achievements and awards in co-curricular activities:

State Level achievements and awards:

Ms. P. Regita of T.Y. B. Sc. Microbiology stood second in scientoon competition at a State level seminar and article writing competitions held at Kadi, North Gujarat.

C) Achievements and awards in Extra curricular activities:

Cultural Activities: (Ex-officios – Dr.Dali Varghese, Dr. Nikunj Bhatt and Student secretary Mr.Sagar Luhana)

1. Krupa Shah stood 3rd in Clay modeling competition, in the Inter collegiate Youth Festival , Organised by Sardar Patel University.
2. A total of 50 students participated in talent hunt competition comprising of various programmes such as solo song / group dance etc. The winners are Mahendra Vaghela, Darshak Patel and Megha Mistry in Solo song, Mahendra Vaghela and Bijal Panchal in Duet song, Mihir Patel and group and Megha Mistry and group in group dance.
3. Anuj Maulik won second prize in Inter college dance competition organized by Amul Volcano 2008-09.

Science association: (Ex-Officios: Mr.P.S.Vyas, Student secretary-Mr.Ambarish Miyani)

1. 15 students took part in Science Seminar competition. The winners were Rajith.C, Franklin Paul and Preksha Mistry in the 1st, 2nd and 3rd position respectively.
2. 12 students submitted their science articles for display on Science Corner notice board. Ms. Sujata Singh of T.Y.BSc., Ms. Palak. S. Patel of F.Y .B Sc. and Amandeep Singh of F.Y.B. Sc won 1st, 2nd and 3rd position respectively.

Environmental Cell: (Ex-officios: Dr.J.P.Patel, Student secretary: Vibha Chudasama). The environmental cell organized many activities like :

1. Poster presentation competition in which 48 participants presented 24 posters on 'Our World After A Decade-Impact of Pollution'. The winners were Ms.Rejitha.C, Ms.Vishruti and team and Mr.Shashank Shah in 1st, 2nd and 3rd position respectively.
2. Divyesh Pavagadi won 1st prize in intercollegiate T-Shirt competition organized jointly by Nature club, V.V.Nagar and N.V.Patel College of Applied and Pure Science.

Debate/Elocution Committee (Ex-Officios: Mr. R. P. Solanki and students secretary: Mr. Divyesh Pavagadhi)

A debate competition on the topic "Should India depend on other countries for her development?" and an elocution competition on topic "Ways to curb terrorism" were arranged for the students of the college. Students were trained to participate in similar competitions organized by other institutions also. The winners were N. Shashank, Karan Thanawala and Kadachha Dipali in the debate and N. Shashank, Solanki Bharat and Hirani Amin in elocution.

Magazine Section: Creative Gallery (Ex-Officios: Dr. Sonal Desai, Student Secretary: Mithali Chudasma):

Several sketches and paintings were presented by nearly 40 students. They were displayed on the creative gallery corner. The winners are: Divyesh Pavagadi, Patel Rukesh. R. and Krupa.R.Shah on 1st, 2nd and 3rd position respectively.

Creative writing : In this competition nearly 15 students participated and the winners are Krutik.T.Bhatt, Krupa.R.Shah and Kalpana.R.Patel, for article writing, one act play and poem respectively.

Women Development Cell

The Cell organized a lecture on 'Nutrition' by Mrs.Bhavana Chauhan of Homescience College, V.V.Nagar. All women staff meets during recess on all alternate Wednesdays.

The lady Staff members of the college visited an old age home " Anand Dham" located at Lambhel, Anand

Study Circle:

About 30 new members and 10 old members are currently part of the study circle. Mrs. S. V. Pandya and Mrs. N. K. Dave motivated and encouraged the students during the meetings held on Friday evenings.

NCC Acheivements:

NCC(Boys) Associate (NCC Officer: Lt. M.M. Morekar)

In CATC CAMP at CHANGA (23 AUG-01 SEPT,2008), CDT ABHISHEK BHARATBHAI secured SECOND POSITION in CHESS COMPETITION and CPL PATEL VIKASHKUMAR PANKAJBHAI secured THIRD POSITION in CROSS COUNTRY COMPETITION.

NCC cadet UO BHANDERI DHARMESH DHIRAJLAL represented GUJARAT for the REPUBLIC DAY CAMP at NEW DELHI and was also selected for RAJPATH MARCHPAST.

NCC cadets along with Lt. Dr. M .M. MOREKAR participated in GUARD OF HONOUR PARADE in the honour of GOVERNER of GUJARAT on 15th DECEMBER, 2008 at S.P.UNIVERSITY, 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

NCC: (Girls) (NCC Officer: Major Rekha S. Patel)

- Major Rekha S. Patel along with 15 cadets attended the CATC camp at Thamna, in which our college secured 1st position in line and tent area, Sgt. Parmar Bhagyashree got 1st position in Rangoli competition, Cadet Mansi Jain secured 1st position in poem recitation and 2nd position in extempore speech, Cadet Kajal Malaviya secured 2nd position in poster making competition and also in Mehndi competition.
- Sgt. Nirali Soni and Cpl Janki Patel attended Pre RD camp at Ahmedabad.
- Major Rekha S. Patel had given a talk on Beti Bachhao to all the cadets of the Vallabh Vidyanagar Group, organized by Vallabh Vidyanagar Group Head Quarter
- SUO Patil Dixita of T.Y. B. Sc. selected from Gujarat directorate to attend the SSB Camp at Chennai.
- SUO Dixita Patil is selected as Best Girl Cadet, Sgt. Nirali Soni as Best All rounder and Sgt. Janki Patel as Best Firer for the year 2008-09.

36. Activities of the Guidance and Counseling Cell:

Each teacher is allotted 20/25 students for Guidance and Counseling once a month or as frequently as may be required and is recorded. During counseling the counselor tries to find out the problem being faced by the students. The counselor also tries to inculcate the value based education, patriotism, discipline, general awareness, globalization, etc.

Course counseling was done by two organizations for SY/TY B. Sc. Students.

37. Placement services provided to students: (Dr. B.C. Dixit)

- One day seminar was organized on Industrial Motivation campaign for T.Y. B. Sc students on 12th August by Medium, Small and Micro Enterprises, Govt. Of India, Ahmedabad..
- Marigold parts Pvt. Ltd. ; Test Funda-Recruitment , Mumbai and Zephyv Synthesis Pvt. Ltd. Khambhat, asked for the recruitment of B. Sc. Graduates, but students did not turnout for the Campus interview.
- Appolo Tyre and Bayer Corporation of Baroda asked for the list of the graduate students.
- Following students selected at Campus interview organized by Wipro Ltd. Mumbai
 - I) Sutosh Sudhakaran of T.Y. C. Sc.
 - II) Mirav Kumar Patel of T.Y. C. Sc
 - III) Ms. Palak Sant of T.Y. C. Sc
- Mr. Hiren Suryaprakash Patel of T.Y. B. Sc. Of Chemistry (2004-05) got a job at Anand Agriculture University in F.P.P.T. Department on recommendation.

38. Development programmes for non-teaching staff:

C⁺⁺ course is made compulsory for non-teaching staff.

39. Healthy practices of the institution (Please see Academic calendar and Annual Report of the college)

- Celebration of all mega festivals in the college by the students.
- Student's Counseling
- Personality Development Programme (PDP)
- Parents Teachers Meeting
- Cultural activities
- Science Seminar, Quiz Competition, Poster Competition
- Creative Gallery
- NSS and NCC
- Sports and Games
- Study tours/ Field study/Industrial tours
- Continuous monitoring of attendance of students
- Publication of college magazine

40. Linkages developed with National / International, Academic /Research bodies

The college is linked with SICART (Sophisticated Instrumentation center for applied research and testing)

The college is also linked with GIDC (Gujarat Industrial development Corporation), Vithal Udhyog Nagar.

41. Any other relevant information the institution wishes to add:

Faculty Achievements and Recognitions:

Papers published or presented:

- Principal, Dr. D.J. Desai published 5 research papers.
- Dr.K.D. Patel published 3 research papers.
- Dr.B.C.Dixit published 2 research papers.
- Dr. H.M.Patel published 1 research paper.
- Mr. P.S.Vyas presented 1 research paper in conference.
- Dr. H.N.Patel had 1 poster presentation.
- Dr. V.K.Sinha published 2 research papers.
- Dr. P.M.Patel (IC) published 5 research papers.
- Dr. S.M.Desai had 5 paper presentations.
- Dr. Minal.H.Patel published 1 research paper.
- Dr. M.V.Kumar published 6 research papers.
- Dr.Rajiv Bhatti published 1 research paper.
- Dr, N. B. Bhatt published 1 research paper
- Dr. Minal H. Patel presented a research paper in International Meeting at Malaysia.
- Dr. P.M. Patel (Physics) presented a research paper in a National Conference" XVII NCAMP, New Delhi
- Dr. A. R. Jivani presented a paper in an International Conference on "Advanced and Smart Material" at Madurai , India

Visiting Faculty/Lectures Delivered:

- Mr. K. M. Patel, HOD (I.C), was guest faculty of BRB School of Biosciences, S.P.University and he also delivered a lecture at University college of Science, M.C.Shukadia University, Udaipur.
- Dr. Rekha S. Patel was invited as guest faculty in PG Department of Home science , Sardar Patel University
- Mr.L.M.Khatara was a guest faculty at P.G. Dept. of Library and Information Science at S.P.University.
- Dr.S.M.Desai was invited for a guest lecture at Sardar Patel College of management, Bakhrol.
- Dr. Minaxi Vinodkumar gave an invited talk at “Golden Jubilee Seminar in Physics” at Physics Department, SPU.

Awards/PhD awarded:

- Dr. H. M. Patel was awarded Ph. D. this year.

Research students Guided:

- Three students of Dr. D.J. Desai have been awarded Ph. D. degree.
- 1 student of Dr.P.M.Patel(IC) has been awarded Ph. D. degree.
- 1 student of Dr.V.K.Sinha(IC) and 1 student of Dr. B.C.Dixit have submitted their synopses of Ph. D. thesis.

Miscellaneous:

- Principal Dr.D.J.Desai, Dean of Faculty of Science and Chairman of Board of Studies, Chemistry.
- Principal, Dr. D. J.Desai has been appointed as the Anand District Co-ordinator of Swarnim Goal Programme and as core committee member at State Level Acaedemic Task under auspicious of Higher Education Quality Improvement Programme, by Govt. of Gujarat.
- Dr. K.D.Patel Chemistry and Dr. T.H.Patel (Physics) have been appointed as Key Master Trainers as well as core committee members for the State Level Knowledge Management Program for faculty of Anand District to be conducted under the auspicious of Higher Education Quality Improvement Programmer, by Govt. of Gujarat.
- Under the “Swarnim Gujarat “ Project of Gujarat Government , the college has carried out various activities included in “Sapthdhara” including Knowledge Management Programme for Faculty (KMPF).
- Dr. T.H. Patel, Dr. A. R. Jivani, Dr. P.M. Patel (IC Dept.) and Dr. C. R. Gurjar have been appointed as resource person for our college of KMPF programme launched by Gujarat Government under “Swarnim Gujarat” Programme.
- For the overall development of students, a special package of personality development programme and communication skill programme is run by CVM for all students. Internet facility is also available to all students during morning / evening hours once a week.

- This year the Golden Jubilee Fund organized the “Vir Vithalbhai Patel Lecture Series” on 27th September 2008 to commemorate the 136th birth anniversary of Vir Vithalbhai Patel. Shri. P.K. Laheri, IAS, Ex Chief Secretary, Gujarat was the Chief Guest. Dr. C.L. Patel, Chairman, CVM presided over the function. The toppers (15) in various subjects received medals/prizes at the hands of Shri. P.K.Laheri, Dr. C.L. Patel and Prin. R. P.Patel, I/C Secretary, CVM.

Departmental Activities:

Seminars/Workshops/Lectures organized by Departments:

- Department of Chemistry organized a lecture by Prof Dr. D. K. Ravel, P.G. Department of S P University & One Day Seminar was organized by medium,small,large Enterpreneursip Development Ltd. Ahemdabad in which 202 students took part.
- Physics Department organized a lecture on “Communication” by Prof.V.M.Pathak.
- Industrial Chemistry Dept. of the college organized a Two-day lecture series cum seminar for T.Y. B.Sc. students and they also organized a lecture by Mr.Vyas and Mr.Hirani of Omax Industry, Ahmedabad.
- Department of Microbiology organised a guest lecture by Dr. Ujjawal Trivedi, Reader, Department of Bio Sciences and another guest lecture by Dr.S.B.Desai, Former HOD of Microbiology of this college.
- BCA and CS Dept. jointly organized a programming and web designing competition involving students from all the colleges affiliated to S.P.University.

Seminars/Workshops attended by students:

- Students of BCA, Microbiology, Botany, Zoology, Chemistry, Physics and IC participated in various seminars/workshops organized within as well as outside the college.
- Students of BCA, IC, Microbiology, Physics, Botany and Zoology participated in various competitions of State level/ University level, such as Technoastrum’08, Contellation’08, essay writing, science article writing, seminar, Scientoon, extemporary speech, etc.
- Akash Patel and Karan Thanawala of T.Y.BSc IC attended a 3 months certificate course in ‘Applied Semantics’ at H. M. Patel Institute of English Training and Research.

Part C:

Detail the plans of the institution for the next year.

1. Curricular Aspects

Spoken English Classes

Encourage the teachers to deliver latest relevant information in their fields

Train the teachers to use the latest information technology etc.

2. Teaching – Learning and Evaluation

It is decided :

- i) to conduct quiz at the end of each unit taught and 4/6 marks will be credited in the internal marks of iv Unit course and vi Unit course respectively.
- ii) Unit wise assignment.
- iii) to arrange seminar/workshop/conference/symposia for students as well as teachers
- iv) to motivate teachers to do Minor/Major research projects
- v) to organize more and more invited / endowment lectures by all the departments.
- vi) to strengthen the college to maximize the use of information technology

Management/expert assessments of faculty are to be done

3. Research Consultancies and Extension

Encourage non Ph. D./M. Phil staff to pursue Ph. D/M. Phil.

Encourage all the staff to involve actively in research work

Encourage staff for Minor /Major research projects

Encourage staff for National/International collaborative work

Arrange 10 days annual camp in NSS

Extension of community services in NSS (adopt a nearby village)

Celebration of different Days in the interest of society and nation (e.g. Aids day, No tobacco day, Women Day etc.)

Legal establishment of WDC in the college and carrying out different programmes under it

4. Infrastructure and Learning Resources

Renovation of Microbiology lab.

To provide a separate cabin for those staff who are actively involved in research

Establishment of INFLIB NET connection to the library and departments.

More books related to value based education, general knowledge/awareness, and more copies of the Reference books

Addition of more scientific/research Journals.

Internal/External test papers of our college as well as nearby colleges should be made available in the library

To make copies of syllabi of all subjects taught in the college available in the Library.

5. Students Support & Progression

Provision of indoor games facilities in the college.

Reduction of dropout rates.

To provide more number of scholarships to the needy and talented students through Government/University/Banks/Private agencies.

Strengthen the student counseling and organize career counseling for final year students

Strengthen Alumni association and involve Alumni in participation in overall development of the college/students/creation of infrastructure/fund generation/placement activity etc.

6. Governance & Leadership

The management takes care of the college as and when required.

Generate more financial resources by fetching the funds from UGC under different categories.

Generate more financial resources from Alumni association/Golden Jubilee fund/ Prize fund etc.

7. Innovative Practices

Strengthening the staff club and its activities.

Felicitation of staff for National/International achievements.

Strengthen the involvement of the staff in consultancy/linkage wherever possible.

Organization of more curricular/co curricular/extra curricular activities to achieve the goals and objectives of the college.

Addition of value-based education by organizing lectures/debate/elocution etc.

Felicitation of outstanding Alumni.

Dr. Rekha. S. Patel
Name
& Signature of the Coordinator,
IQAC

Dr. D.J. Desai
Name
& Signature of the Chairperson,
IQAC