



Shri R. K. Parikh Arts and Science College

(Accredited by NAAC: "B" Grade)
(Managed by Petlad Education Trust)

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The Annual Quality Assurance Report

(AQAR) of the IQAC

2007-2008

Shri R. K. Parikh Arts and Science College, Petlad.

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.

Brief outline of the Action Plan (2007-2008)

The IQAC of the college chalked out the complete plan to be followed all through out the academic year 2007-2008 at the beginning of the year. The Cell also kept a follow up in the implementation of the plan all through the year. An outline of the emphasis that was given is below;

- **Augment the academic component.**
- **Uplift the competence of the students and teachers.**
- **Strengthen the student support and progression.**
- **Enhance the outreach programmes of the college.**

Outcome achieved by the end of the year.

- **Augment the academic component.**
 - At the start of the academic year all faculty members were encouraged to use ICT enabled teaching methods. Many a teachers used ICT enabled method along with the conventional teaching method.
 - Infrastructures were built to prepare multimedia materials for teaching.
- **Uplift the competence of the students and teachers.**
 - Teachers were encouraged to participate in different workshops, conferences, seminars etc. for enhancing their knowledge and skills.
 - Students were made to participate in different activities of the college, which helps them to improve the personality.
 - Different types of activities like Science Study Circle, Nature Club, Literature Club, etc. are compulsory activities in which the students have to participate. This has helped the students to bring forth the hidden talent.
- **Strengthen the student support and progression.**
 - Soft skill development programmes were arranged through out the academic year.
 - Personality development courses were arranged for the benefit of the students.
 - Students participated in different types of academic and Industrial Fairs, Exhibitions, Shows, etc. for first hand knowledge gain.
 - Participation of all staff members of the college in different extension activities was compulsory. All faculties participated in such extension activities with zeal.

- **Enhance the outreach programmes of the college.**
 - Workshops, seminars, etc. were arranged for different sections of the society.
 - Different social programmes were arranged under the aegis of the NSS.
 - Programmes on health and awareness against dreaded disease were arranged for the benefit of the students.

Part B

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

The college from the start has a clear goals and objectives of providing quality education to the rural students of the regions. In the year 2007-2008 also, the same goals and objectives were followed with the spirit and zeal. Many poor students were provided with freeships, scholarships and other financial help. Reference books and set of textbooks were provided to all the students of the Science stream, while book sets were provided to groups (two to three students) of students in the Arts faculty.

To enhance the academic part of the college, all teachers were encouraged to use ICT enabled teaching aids for delivering lectures. Many new innovative subject CDs and books were acquired for the library for use by the students as well as teachers.

The students were provided with free internet facilities at the Computer Department of our college. In addition to this, students also allowed to access free internet facilities at the different departments. Many short term courses of soft skill were arranged for the students. UGC sponsored six Career Oriented Programmes were started by the college for students to acquire added knowledge and skills parallel to the regular learning. The teachers were always encouraged to participate in different Seminars/ Conferences/ Workshops to enhance their knowledge.

2. New academic programmes initiated (UG and PG). ([See Photo P-11](#))

UGC sponsored and Gujarat University affiliated Six Career Oriented Courses were initiated for the students to pursue the course parallel to the regular course. Three of the courses were in Arts faculty and other three were in the Science faculty. The faculty wise six courses are as below;

➤ **Faculty of Arts:**

1. Web Page designing and Printing Technology.
2. Tourism.
3. Applied Sociology.

➤ **Faculty of Science:**

1. Computer Application and Programming.
2. Refrigerator.
3. Seed Technology.

All these courses were conducted successfully through out the year.

3. Innovations in curricular design and transaction.

The college is affiliated to the Gujarat University, Ahmedabad and the curricular design and framing of syllabus is done by the University. No major course changes have been effective in this year. Though it is planned to made change in curricula of COP periodically as per the needs of time.

4. Inter-disciplinary programmes started.

The college is affiliated to the Gujarat University, so the courses already being run are affiliated to the university and the courses are as per the university curricula. No new inter-disciplinary programmes were started in the year.

5. Examination reforms implemented.

Apart from regular internal examinations, various departments have conducted unit tests and seminars for continuous evaluation of the students. Assignments were given to the students of Arts faculty. Comprehensive viva voce for practical examinations was introduced to assess the overall learning of the students at the end of each academic year particularly in the science faculty.

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

Data is not available for any of these examinations in the year 2007-2008.

7. Initiative towards faculty development programme.

Faculties were always encouraged to participate in different programmes. They were provided with financial support from the PTAC grant from UGC to participate in different programmes. Many seminars and workshops were arranged in the college on contemporary topics for enhancement of the faculty. Guest lectures of the subject experts were arranged for the benefit of the faculty and the students.

Following is the list of faculty members who have presented papers at International and National conferences/ workshops/symposiums during the year 2007-08.

Sr. No.	Name	Name of Seminars/Conferences/ Workshops/Symposiums	Name of Institute and Place	Period
1.	Dr. S. H. Chaki	4 th International Conference on Materials for Advanced Technology 2007	Material Research Society of Singapore	01/07/2007 to 06/07/2007
2.	Mr. V. N. Vora	Microbial degradation of textile dyes and its effect on seed germination	American Society of Molecular Biology and Biochemistry, Washington, U.S.A.	28/04/2007 to 02/05/2007
3.	Dr. V. S. Joshi	Kinetic and Thermodynamic study of Gel growth Barium Tartrate crystal	One Day National Seminar on Recent Trends in Material Science, Rajkot	08/04/2007
4.	Dr. K. B. Anjaria	XVII Annual conference of Indian Association for Angiosperm Taxonomy and International Seminar on "Changing Scenario in Angiosperm Systematics"	Dept. of Botany, Shivaji University, Kolhapur, Maharashtra.	19/11/2007 to 21/11/2007

- Both the staff members; Mr. Vijay Vora from the Department of Microbiology and Dr. Sunil Chaki from the Department of Physics availed Travel Grants of the UGC to present their research papers.

Following is the list of publications in various journals by faculty members during the year 2007-08.

Sr. No.	Name	Name of Article	Journal	Year of Publication
1.	Dr. S. H. Chaki	Growth and thermal studies of SnSe single crystals	Materials Letters 61(2007)5188-5190	2007
2.	Dr. S. H. Chaki	Growth surface micro topographic and thermal studies of CuInS ₂	Journal of Crystal Growth 308(2007)176-179	2007
3.	Dr. S. H. Chaki	Electrical properties & surface micro topographic studies of WS ₂ single crystal grown by CVT technique	Synthesis and Reactivity in Inorganic, Metal organic and nano metal chemistry 38(2008)267-271	2008
4.	Dr. S. H. Chaki	Thermal decomposition studies of CuInS ₂	Frontiers of Materials Science in China 2(3)2008	2008
5.	Dr. S. H. Chaki	Pressure dependence electrical resistivity in DVT growth Molybdenum dichalcogenides	High Pressure Research	2008
6.	Dr. J. A. Chaudhary	Studies on Novel Bisaryl Hydrazino-s-triazine Derivatives - Part 2	E-Journal of chemistry Vol. 4, No. 3, pp. 385-389, July 2008	2008

Following is the list of faculty members who have attended seminars/conferences/workshops/symposiums during the year 2007-08.

Sr. No.	Name	Name of Seminars/Conferences/ Workshops/Symposiums	Name of Institute and Place	Period
1.	Dr. U. N. Patel (Dept. of Physics)	Workshop on "Venture funding in technology & innovation"	Nirma Institute, Ahmedabad	20/07/2007
2.	Dr. U. N. Patel (Dept. of Physics)	International Workshop on Nanostructured high temperature high performance materials	Dept. of Materials Science, S. P. Univ., V. V. Nagar	10/09/2007
3.	Dr. U. N. Patel (Dept. of Physics)	2 nd Indo-Japan International Workshop on "High temperature materials"	Dept. of Materials Science, S. P. Univ., V. V. Nagar	18/01/2008

4.	Mr. K. R. Trivedi (Dept. of Physics)	Nanotechnology simplified through innovative activities	Shri R. K. Parikh Arts & Science College, Petlad	28/07/2007
5.	Mr. R. T. Jasrai (Dept. of Chemistry)	Corrosion and its control	Tiruchirappalli Holy Cross College, Tiruchirappalli (TN)	30/11/2007 to 01/12/2007
6.	Mr. V. R. Patel (Dept. of Chemistry)	Nanotechnology simplified through innovative activities	Shri R. K. Parikh Arts and Science College, Petlad	28/07/2007
7.	Mr. S. V. Patel (Dept. of Chemistry)	Achieving inclusive growth and problems	Smt. S. I. Patel Ipcowala College of Commerce, Petlad	12/10/2007
8.	Mr. B. D. Joshi (Dept. of Microbiology)	Bioinformatics Training Program	Indian institute of Advanced Research, Koba, Gandhinagar	16/05/2007 to 18/05/2007
9.	Mr. B. D. Joshi (Dept. of Microbiology)	National Seminar on “New Horizons in Biological Sciences”	N. V. Patel College, V. V. Nagar	23/09/2007
10.	Dr. K. B. Anjaria (Dept. of Biology)	State level Seminar on “Prakrutik Virasat ni Jalvani Ma Adhapano no Falo”	Dept. of Forest, Govt. of Gujarat, Gandhinagar	19/04/2007 to 20/04/2007
11.	Dr. K. B. Anjaria (Dept. of Biology)	National seminar on “New horizons in biological sciences”	N. V. Patel College of pure and applied sciences, V. V. Nagar	23/09/2007
12.	Mr. S. D. Shukla (Dept. of Mathematics)	“Advanced instructional school on algebraic and analytic number theory”	Harish Chandra Research Institute, Allahabad	03/12/2007 to 28/12/2007
13.	Mr. S. D. Shukla (Dept. of Mathematics)	Workshop on “What is Mathematics Really?”	Shri R. K. Parikh Arts and Science College, Petlad	18/01/2008 to 21/01/2008
14.	Ms. J. A. Oza (Dept. of Computer Science)	Hands on workshop on “Developer Track”	CII National Conference on Open Source Software, IBM India Pvt. Ltd.	13/07/2007 to 15/07/2007
15.	Dr. U. H. Vyas (Dept. of Computer Science)	One day seminar on “Tips to Technology Trio”	Shri R. K. Parikh Arts and Science College, Petlad	31/01/2008
16.	Ms. I. B. Patel (Dept. of Psychology)	One day seminar on “Anti-female feticide and social status of women”	Arts & Science College, Vaso	21/01/2008

17.	Mr. M. B. Vaghela (Dept. of Sanskrit)	International Conference on “The impact of Vedas on the world”	Shambhavi Vidyapith, Amroli-Surat	21/12/2007 to 22/12/2007
18.	Mr. M. B. Vaghela (Dept. of Sanskrit)	National Seminar on “Kautilya-Arthshastram” in present context	N. S. Patel Arts College, Anand	02/03/2008
19.	Mr. M. B. Vaghela (Dept. of Sanskrit)	One day workshop on “Literary Criticism”	Nalini-Arvind & T. V. Patel Arts College, V. V. Nagar	30/09/2007
20.	Mr. M. B. Vaghela (Dept. of Sanskrit)	One day workshop on “Kr.-Bhoo-As-Prayogah”	L. D. Arts College, Ahmedabad	07/09/2007
21.	Ms. P. N. Dave (Dept. of Gujarati)	National seminar on “Linguistics and other Disciplines”	F. D. Arts & Commerce College for Women, Ahmedabad	28/01/2008
22.	Ms. P. N. Dave (Dept. of Gujarati)	Seminar on “Madhyakalin Gujarati literature researchers-editors: 19 th century”	K. L. Swadhyay Mandir, Ahmedabad	04/08/2007 to 05/08/2007
23.	Mr. P. S. Patel (Dept. of Economics)	One day seminar on “Women & human rights”	Rundelwala Arts, Science & Commerce College, Borsad	05/01/2008
24.	Ms. S. S. Vyas (Dept. of Economics)	State level seminar on “International Trade”	Bhikhabhai Jivabhai Vanijya Mahavidyalaya, V. V. Nagar	20/10/2007
25.	Ms. S. S. Vyas (Dept. of Economics)	State level seminar on “Indian Constitution and Human Rights”	“Patel J.B. Rudelwala Arts, Patel A.M. Rudelwala Commerce & Patel J. D. Davolwala Science College, Borsad	05/01/2008
26.	Ms. S. S. Vyas (Dept. of Economics)	10 Days faculty development programme on Macro Economics	N. S. Patel Arts College, Anand and Gujarat Economics Association	03/03/2008 to 12/03/2008
27.	Mr. A. V. Pandya (Dept. of English)	State level seminar on “World literature and Indian literature”	Y. S. Arts & K. S. Shah Commerce, Devgad Baria	31/08/2007
28.	Mr. S. M. Parekh (Librarian)	One day seminar on “Rangnathan’s Philosophy and knowledge management	P. G. Dept of Library and Inf. Sci., S.P.Univ., V.V.Nagar	25/08/2007

29.	Mr. S. M. Parekh (Librarian)	One day seminar on “Impact of information technology in College libraries”	P. G. Dept of Library and Inf. Sci., S.P.Univ., V.V.Nagar	14/10/2007
30.	Mr. S. M. Parekh (Librarian)	State level seminar on “Indian Constitution and human rights”	“Patel J.B. Rudelwala Arts, Patel A.M. Rudelwala Commerce & Patel J. D. Davolwala Science College, Borsad	05/01/2008
31.	Mr. M. K. Mandora (Physical Director)	Workshop on “Research and statistics in Physical education and sports”	S. S. Patel College of Physical Education, V. V. Nagar	18/08/2007
32.	Mr. M. K. Mandora (Physical Director)	National seminar on “Education, Physical education and Yoga education in the knowledge era : Directions, success, concerns”	S. S. Patel College of Physical Education, V. V. Nagar	02/11/2007 to 03/11/2007

8. Total number of seminars/workshops conducted.

Four Workshops/ Seminars were arranged in the college in this academic year. Of them two Workshops/ Seminars were conducted in collaboration with the C. C. Patel Community Science Centre, Vallabh Vidyanagar for the Secondary School Teachers of the regions and one in collaboration with INFLIBNET, Ahmedabad for school and college librarians of the state. The other seminar was organized for the benefit of students. The details are given below;

- One of them was One Day Seminar entitled **“Nano-Technology Simplified Through Innovative Activities”** on 28th July 2007. ([See Photo P-1](#))
- A four days workshop **“What is Mathematics Really?”** was organized from 18-21 January 2008. ([See Photo P-2,3](#))
- A one day seminar **“Tips to Technology Trio”** was organized by the Shri R. K. Parikh Arts and Science College in collaboration with the Smt. S. I. Patel Ipcowala College of Commerce on 31st January 2008. ([See Photo P-4](#))
- A one day seminar on **“Strengthening Library Resources through Innovative Technology”** was organized for the librarians of the state schools and colleges in collaboration with INFLIBNET, Ahmedabad on 29th March 2008. ([See Photo P-5,6](#))

9. Research projects

a) Newly implemented:

Three research projects were sanctioned and implemented in the year 2007 - 2008. The details are given below.

- i) **UGC** sponsored Minor Research Project entitled as “**Structural, Electrical and Optical studies of $\text{Mo}_{0.3}\text{W}_{0.7}\text{Se}_2$** ” of **Rs 60,000/-** has been sanctioned for two years from August 2007 to **Dr. Sunil Chaki, Department of Physics.**
- ii) **Gujarat Council on Science and Technology (GUJCOST)** sponsored research project “**High Temperature Hall Effect and high pressure transport property studies of transition metal dichalcogenides single crystals**” of **Rs 1, 05,000/-** has been sanctioned for two years from December 2007 to **Dr. Sunil Chaki, Department of Physics.**
- iii) **UGC** sponsored Minor Research Project entitled as “**Novel epoxy resin curing agent containing s-triazine ring**” of **Rs. 55,000/-** has been sanctioned for two years from January 2008 to **Dr. J. A. Chaudhary, Department of Chemistry.**

b) Completed:

One **UGC** sponsored research project of **Mr. R. T. Jasrai, Department of Chemistry** has been completed.

10. Patents generated, if any.

Sorry to state no patent has been generated in the academic year 2007-2008.

11. New collaborative research programmes.

One of the sanctioned research projects of **GUJCOST** is in collaboration with **the Department of Physics, Sardar Patel University, Vallabh Vidyanagar.** Whereas **Dr. Sunil Chaki, Department of Physics** works on semiconductor nano-particles in collaboration with **the Dr. K. C. Patel Research and Development Centre, Education Campus, Changa.**

12. Research grants received from various agencies.

The following are the details of the research grants received from various agencies during 2007-2008.

University Grant Commission (UGC)	-	Rs 60,000/-
Gujarat Council on Science and Technology (GUJCOST)	-	Rs 1, 05,000/-
University Grant Commission (UGC)	-	Rs. 55,000/-

13. Details of research scholars.

The college is mainly an under graduate college having PG centre in Arts faculty. Therefore no research work on large scale takes place in the college. At present no student is enrolled nor doing any research.

14. Citation index of faculty members and impact factor.

Many research papers were published during the academic year 2007-2008 by the faculties of the college. The details of the research papers published and the impact factor is given below.

Sr. No.	Name of Faculty	Title of research paper	Details of publication	Impact factor
1	Sunil Chaki	Growth and thermal studies of SnSe single crystals	<i>Materials Letters</i> 61 (2007) 5188-5190	1.353*
2	Sunil Chaki	Growth, surface micro topographic and thermal studies of CuInS ₂	<i>Journal of Crystal Growth</i> 308 (2007) 176-179	1.95*
3	Sunil Chaki	Electrical properties and surface micro topographic studies of tungsten disulfide single crystals grown by CVT technique	<i>Synthesis and Reactivity in Inorganic, Metal Organic and Nano-Metal Chemistry</i> 38 (2008) 267-271	0.784#
4	Sunil Chaki	Thermal decomposition studies of CuInS ₂	<i>Frontiers of Materials Science in China</i> 2(3) (2008)	Data not available@
5	Sunil Chaki	Pressure dependence electrical resistivity in DVT grown molybdenum dichalcogenides	<i>High Pressure Research</i> (2008)	0.84#

* As per the Elsevier Publisher Data Base (UK).

As per the Taylor & Francis Publisher Data Base (UK).

@ Springerlink Publication Data Base (UK).

15. Honors/ Awards to the faculty.

The following is the details of the honors and awards received by faculties of our college during 2007-2008.

- **Principal Dr. Vimal S. Joshi** received “**BOLT Award**” from the **Air - India and Gujarat Samachar**, the reputed daily newspaper, for his contribution to the higher education in the region.
- **Principal Dr. Vimal S. Joshi** received “**Jewel of India Award**” from **Indian Solidarity Council**, for outstanding achievements in chosen field of activity.

16. Internal resources generated.

The following is the brief of the internal resources generated in the college in the year 2007-2008.

- Swami Sachhidanand has donated Rs. 55,000/- for the college library.
- Shri Mohanbhai Kachhia has donated Rs. 18,000/- to our college library.

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

The college got financial assistance from the UGC and GUJCOST in the form of research grants.

UGC has provided financial assistance to conduct two seminars in the next academic year.

18. Community services.

The college has organized many activities under the aegis of NSS, NCC, Nature Club, etc. that provided services to the surrounding regions and people in the academic year 2007-2008. NSS organized a ten days camp in a rural village Bhatial in Petlad Taluka. The camp was for cleaning the village and also educating the people on basic amenities.

19. Teachers and officers newly recruited.

Last year no teacher and officer have been recruited by the institution.

20. Teaching – Non-teaching staff ratio.

The total teaching faculty is 27 and non-teaching staff is 13.

21. Improvements in the library services.

The following are some of the improvements of the library services.

1. The listing of all the library books by bar code system is in progress. On completion of the bar coding of the library books will augment and quicken the library service.
2. The timing of the library has been extended from 09.00 hrs to 18.00 hrs during College examinations as well as University Examination.
3. Binding of all library books are in progress. This will help in enhancing the usage life of the books.
4. Question Paper Bank is created by binding the old question papers of the university and the colleges.

22. New books/ journals subscribed and their value.

The following is the details of the new books/ journals subscribed in the library and the value of the same for the academic year 2007-2008.

	Head	Details for 2007-2008	
		Number of Books	Total Cost in Rupees
Text books/ Reference	UGC-Science	70	27,455.00
	UGC-Arts	55	7,762.00
	Total UGC	125	35,217.00
Other books	Science	177	17,135.00
	Arts	300	28,013.00
	Total	477	45,148.00
Journals/Periodicals	Arts/ Science	5	2,495.00
Magazine/Newspaper	Arts/ Science	51	18,353.00

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

Feedback is taken for both the undergraduate as well as post graduate courses. The feedback is to be given by only the final year students. The feedback forms are analyzed and report is prepared. The report is shared by the college management as well as the staff members. Any lagging or deficiency is tried to be fulfilled in the next academic year.

24. Unit cost of education.

Unit cost of education (with salary): 17889.20

Unit cost of education (without salary): 1073.74

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

The administrative office is partially computerized. The admission process, collection of fees, enrollment of the students, account of the college etc. are done on the computer. The examination results as well as issuing of certificates etc. are not done by the computer. Efforts are afoot to computerize the whole office work.

26. Increase in the infrastructural facilities.

No need arise for increase of infrastructure facilities. So no such addition to the existing infrastructure has been undertaken during 2007-2008.

27. Technology upgradation.

Many more departments and sections have been provided with computers and its accessories. Over Head Projector, Multi media projector, cameras, etc. has been acquired for the augmentation of the college.

28. Computer and internet access and training to teachers and students.

Computer and internet access is provided free of cost to the teachers and students in the individual departments as well at the computer department. Though no computer training programme have been arranged for the teachers of the college. But the students are given option to opt for computer subject either in regular course or through Career Orientation Programme.

29. Financial aid to students.

The following is the details of the financial aid provided to the students through the college in the year 2007-2008.

Sr. No.	Head of Financial Aid	Number of students benefited		Total Amount
		Boys	Girls	
1	B.C.	37	24	2,44,565.00
2	Baxi Punch	40	76	1,36,685.00
3	NT/DNT	6	1	14,450.00
4	E.B.C	13	0	13,350.00
5	Physically Handicapped	1	1	5,500.00

30. Activities and support from the Alumni Association.

No large scale meeting of the Alumni Association has taken place in the year 2007 - 2008. But only the office bearers of the associations met to discuss the future plan and development to be undertaken.

31. Activities and support from the Parent-Teacher Association.

One meeting took place of the Parent-Teacher Association in the academic year 2007-2008. Many healthy suggestion were made by the parents for the enhancement of the overall college functioning. The discussions were a great boost for the improvement in the college working.

32. Health services:

The staff receives the health facility in the form of medical allowance per month. If any major hospitalization or medical bill arises than the same is remunerated under the medical allowance facility of the government. A one day health check up camp is organized for the fresher students of the college.

33. Performance in sports activities.

The College students actively participated in the following sports activities throughout the year:

- Wrestling ➤ Badminton ➤ Weight-lifting ➤ Best Physique
- Power-lifting ➤ Table Tennis ➤ Judo ➤ Boxing, Chess
- Cross Country ➤ Athletic

- The College obtained championship at Gujarat University South Zone Inter-College Meet in Power lifting and Boxing for girls segment and runners-up in wrestling and judo in boys segment.

- At the Gujarat University Inter-Zonal meet, the students acquired University first position in wrestling, judo and power lifting (boys & girls).
- Two students of the College participated in judo and wrestling All India Inter-University Championship.

Details of our college student's participation in different games and its outcome at the Gujarat University South Zone Inter-College Meet.

Sr. No.	Name of the Game	Number of Participating Students		Number of students at different position			Result
		Boys	Girls	First	Second	Third	
1.	Wrestling	11	00	01	01	00	Runners-up
2.	Power-lifting (Girls)	--	05	03	01	01	Team Champion
3.	Judo(Girls)	01		01	--	--	Team Runner-up
4.	Boxing (Girls)	04	--	04	--	--	Team Champion
5.	Boxing (Boys)	09	03	--	--	05	Runner-up

Details of our college student's participation and the outcome at the Gujarat University Inter-Zonal Meet.

Sr. No.	Name of the Game	Number of Participating Students		Number of students at different position			Result
		Boys	Girls	First	Second	Third	
1	Wrestling	02	--	01	--	01	University First and Third
2	Judo	--	02	01	--	--	University First
3	Weight-lifting	02	--	--	02	--	University Second
4	Boxing	03	--	--	03	--	University Second
5	Power-lifting (Girls)	--	03	01	01	01	University First, Second & Third
6	Power-lifting (Boys)	03	--	01	01	01	University First, Second & Third

Details of our college student's participation and results at the All India Inter- University Championship.

Sr. No.	Name of the Game	Name of Student	Details
1	Judo	Kumari Chauhan Hetalben G.	Participated at Punjab University in January
2	Wrestling	Solanki Rajubhai D	Reached up to Semi-final at Shivaji University, Kolhapur

34. Incentives to outstanding sportspersons.

The sport persons of our college were provided with sports kit, sports items & accessories, traveling and daily allowance during participation in the tournament. The best Girl and Boy sport-students of the college were awarded to Chauhan Hetalben G. and Solanki Rajubhai D. with trophy and certificate.

35. Student achievements and awards:

The following are some of the achievements and awards received by our college students in the year 2007-2008.

- Shindav Niminsha, Chauhan Disha and Bharvad Vikram attended Thal Sena Camp (TSC), New Delhi.
- Shindav Niminsha P. attended Republic Day Camp (RDC) at New Delhi.
- Solanki Rajubhai D. was awarded the best Boy Player of our college.
- Chauhan Hetalben G. was awarded the best Girl Player of our college.

36. Activities of the Guidance and Counseling unit.

The Guidance and Counseling unit individually provides assistance to students during the admission period. The unit provides the new entrant with guidance and also provides counseling to the second year students in their subject selection. The final year students of the UG and PG were guided for their future career.

Other than this, there is Collegiate Women's Development Cell (CWDC) which provides guidance to the girl students of the college all through out the year. The cell also conducts many guest lectures, workshops, competitions, etc. for the girl students of the college.

37. Placement services provided to students.

The college has full-fledged Career Guidance Cell headed by one of the faculty and consisting of many members from the faculty and administrative staff. The Cell all through the academic year conducts many workshops, soft skill courses, provides guidance in preparation of the CV's of the students, provides computer education, etc. The cell provides opportunity to the poor needy student of the college to earn-while- learning. Under this earn-while-learning scheme the students are provided with campus jobs which they can perform during their free time.

In the academic year 2007-2008 many soft skill courses were conducted. Courses like English improvement, beauty parlour for girls, youth empowerment with personality improvement in association with the Ahmedabad Management Association, etc. were conducted. Many students of the college took advantage of such courses.

38. Development programmes for non-teaching staff.

Regular courses in computers and financial accounting are conducted for the up gradation and refreshment of the non-teaching staff.

39. Healthy practices of the institution:

The college has many healthy practices that they follow all through out the academic year. Some of the best practices that the college performed during the year 2007-2008 are as follow.

- 1) The college campus is no Gutka, no tobacco, no pan-masala and no cigarette zone. Any member or student found to break the law, than they have to pay penalty.
- 2) All students and staff member of the college is provided with free internet facility.
- 3) The B.Sc. Physics students are given responsibility to conduct check-up of all electrical points and appliances in the college building. If any defect or mutilation is found, then at once the same is repaired by the technician of the college.
- 4) The B.Sc. Chemistry students prepare phenyl and other bleaching agents for commercial consumption.
- 5) The college brings out a students magazine by name “Utthan”. The contents and articles of the magazine are written by the students of the college. This helps the students in improving their writing skills as well as their imagination skills.
- 6) The needy students are provided the opportunity of earn-while-learn. Many students in the academic year 2007-2008 were recruited in the library for library services.
- 7) S. Y. and T. Y. B.Sc. Microbiology students do water analysis of the college water. Also they perform water analysis of the water of surrounding villages.
- 8) This year all third year students visited the Dy. Collector and Mamlatdar office at Petlad for knowledge of the working of such public offices.
- 9) The F.Y. and S.Y. Mathematics students visited the Vikram Sarabhai Community Science Centre, Ahmedabad as a study tour.
- 10) The CRPF battalion did the demonstration of the Disaster Management and first aid services. ([See Photo P-10](#))
- 11) Cooperative Educational Course was organized for the Economic students of our college.
- 12) The college Samarpan Nature Club arranged a study tour to the Ratan Mahal Wildlife Sanctuary. This helps the students to know the nature by staying with nature. ([See Photo P-9](#)). A lecture on endangered animals was delivered by Dr. K. B. Anjaria and signature campaign for “Save Tiger” project was arranged. ([See Photo P-7](#))
- 13) Garba competition was organized during Navratri Celebration in the college.
- 14) T. Y. B.A. (Sociology) students visited the world famous Amul Dairy and did a study tour.

- 15) The T. Y. B.Sc. Chemistry and Microbiology students visited many factories and industries like GSFC Ltd., Cadila Health Care, Godrej India, Atul Ltd. under their study tour programme.
- 16) Many staff members attended the Chintan Shibir at Ambaji organized by the Government of Gujarat.
- 17) Mrs. Indiraben A. Patel, Department of Psychology and many girls' students of S. Y. B.A. took part at the seminar entitled "Female Foeticide a Societal Evil" at the Vaso College under the aegis of the Collegiate Women's Development Cell.
- 18) Demonstration was arranged for the benefit of the students of our college, of the newly started free emergency ambulance service "108" (EMRI) by the Government of Gujarat.

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

The research project of GUJCOST is in collaboration with the Department of Physics, Sardar Patel University, Vallabh Vidyanagar. Dr. Sunil Chaki, Department of Physics work in collaboration with Dr. K. C. Patel Research and Development Centre, Education Campus, Changa in the field of Nano-technology.

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

The college is glad to state that two of its faculties attended an International Conferences and presented their research papers availing UGC Travel Grants. The details are given below.

1. Mr. Vijay Vora of the Department of Microbiology attended and presented a research paper at the international conference "Experimental Biology-2007" at Washington D.C. in USA from 28/04/2007 to 02/05/2007.
2. Dr. Sunil Chaki of the Department of Physics attended and presented a research paper at the 4th International Conference on Materials for Advanced Technologies 2007 (ICMAT 2007) at Singapore from 1 – 6 July 2007 availing the UGC Travel Grant Scheme.
3. Dr. Uday H. Vyas of Department of Computer Science has written two books on computer subject. The detail of the books written is given below.
 - "Computer Pragyna" for state government employees who are in-service to learn CCC language.
 - "Computer Upasyna" for the Dr. Babasaheb Ambedkar Open University, Ahmedabad for their CCC course.

Part C

Details of the plans of the Institution for the next year.

The following are the highlight of the plans that the college intends to do in the next academic year 2008-2009.

- As per the suggestion of the NAAC Peer Team, the college has already approached the Gujarat University with a proposal to start subject specialized PG courses at the college. The college is hopeful of getting the sanction for any of the MA subject.
- The college wants to encourage more research activities on the campus. The college will see that more faculties enroll for Ph.D. degree and apply for research projects to different agencies.
- The library will be tried to be made more student oriented and improvement will be brought in the services provided from the library.
- Sport will be given more emphasis and the college will like to host some of the university tournaments on the campus, so that our college students get motivated towards sports.
- The Career Guidance Cell will put more emphasis on soft skill training courses for the students of the college.

APPENDIX-I(A) GLIMPSES OF ACTIVITIES



P-1
One Day Seminar on
“Nano-Technology Simplified Through
Innovative Activities”



P-2
Four days workshop on
“What is Mathematics Really”



P-3
Participants preparing
Mathematics Models



P-4
One Day Seminar on
“Tips to Technology Trio”



P-5
One Day Seminar on
“Strengthening Library Resources
through Innovative Technology” in
collaboration with INFLIBNET



P-6
Dr. Jagdish Arora (Director : INFLIBNET)
Delivers talk on
“UGC-Infonet Digital Library Consortium :
Present status and future endeavors”

APPENDIX-I(B)

GLIMPSES OF ACTIVITIES



P-7
Wild Life Week Celebration
“Save Tiger Project”



P-8
Green Revolution
“Tree Plantation in Campus”



P-9
Visit to Ratan Mahal Century
Under Nature Club



P-10
Community Based Disaster Management
Awareness Programme



P-11
Career Oriented Programme
Applied Sociology guest lecture



P-12
Independence Day Celebration
By N.C.C. students