

# **Shri R. K. Parikh Arts and Science College**

(ACCREDITED BY NAAC: "B" GRADE)

(MANAGED BY PETLAD EDUCATION TRUST)



Dantali Road, PETLAD- 388 450,  
Dist: Anand, Gujarat, INDIA.  
TeleFax: +91-2697-252396

*www.petladcollege.com*  
Email : *artsandscience@petladcollege.com*

## **The Annual Quality Assurance Report**

(AOAR) of the IOAC

2009-2010



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

### Part A

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

#### **Brief outline of the Action Plan (2009-2010)**

A plan of action was chalked out for the academic year 2009-2010 by the IQAC in consultation with the various departments of the College. All the faculty members of the college enthusiastically shared their views regarding the overall development of the institution. The following highlights of the plan for the quality enhancement of the institution are as under:

- To enhance the Functional English skill among the students, college will plan to start new short term English courses and computer subjects.
- Procuring advanced technology for effective teaching.
- Improvement in Co-curricular and extra- curricular activities.
- Upgradation and improvement in college website.
- Encourage college faculty and students for Industrial visit.
- To invite visiting faculties and scientists from other universities, institutions and industries.
- To extend community services for senior citizens, women and self employed persons to provide computer literacy.

#### **Outcome achieved by the end of the year.**

- **To enhance the Functional English skill among the students, college will plan to start new short term English courses and computer subjects.**

Digital English Language Laboratory (DELL) was started to enhance the English and communication skills. The DELL is fully furnished with 25 computers and the English Language software. This laboratory was established with the financial assistance of Gujarat Government. The course module was designed and approved by Gujarat University.

- **Procuring advanced technology for effective teaching.**

Apart from the conventional teaching some of the classrooms were furnished with ceiling mounted multimedia projector and screen. The faculty members were encouraged to prepare power point presentations of their subjects. Also some of the faculty members are frequently using over head projectors in the class rooms.

- **Improvement in Co-curricular and extra-curricular activities.**

The students were encouraged to participate actively in Drama, Cultural Programmes, Elocution, poster and Drawing competitions. The students also participated in inter-college competitions under “Swarnim Gujarat” programme of Gujarat government. Also the district level competitions were hosted by our College. The College campus was vibrating with extra-curricular activities under “Saptdhara” project.

- **Upgradation and improvement in college website.**

The College website was updated regularly throughout the year giving latest updates of activities. A running scroll regarding the information of upcoming projects and programmes was introduced.

- **Encourage college faculty and students for Industrial visit.**

To keep the linkage and maintain the pace with industry, an Industrial Interface Cell (IIC) was established within the campus. The activities of IIC were focused to visit and gain knowledge regarding various industries within Gujarat. The seminars were held to present reports of visit by the students.

- **To invite visiting faculties and scientists from other universities, institutions and industries.**

The scientists and researchers were invited to deliver the talk particularly in science faculty under Science Study Circle activity. In Arts faculty distinguished speakers from various universities and civic body visited to deliver expert talk.

- **To extend community services for senior citizens, women and self employed persons to provide computer literacy.**

The College assets were utilized for the community by offering computer learning for the senior citizens, women and self employed persons. The special batches to teach computer basics and internet were conducted free of cost. More than 75 people actively participated in this programme.

## **Part B**

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

The goals and objectives of the College are set to impart best quality education, to felicitate all round development of students, to assist the students to tap career opportunities, to offer the opportunities and facilitate to students. The institute also insists to update the competence of staff, to develop infrastructure, to set system based and person independent administrative system and to contribute growth and well being of the society.

New academic session starts with full of passion and the faculty members are engaged in teaching in the sphere of basic and applied areas with the aim to impart best quality education to our students.

The updated annual planning guide was provided to every faculty member to carry on with the academic and extra-curricular activities all through the year. The activities were focused to involve more students in the area of their interest to enhance their personality and to keep pace with the changing scenario of modern world.

Skill enhancing add-on courses help our students to snatch the biggest career opportunities and to prepare them for the challenges of global competition. We are successfully running six career oriented programmes supported by UGC. The College computer centre and library are furnished with latest computers and internet facilities. The internet facility is free for all the students. The spoken English classes, beauty parlor classes for girl students, personality development workshops were arranged to develop soft skills. Apart from regular teaching student seminars and invited talks of experts and scientists from various universities were arranged. The students are also actively involved in Industrial visits, community surveys, projects work, and educational tours.

The College library is fully furnished with text books, reference books and free internet facilities. The students may access internet and read e-books. To enhance the English and communication skills, a new Digital English Language Laboratory (DELL) with 25 computers was established with the financial assistance of Government of Gujarat. The underprivileged students are given scholarship and freeship for various courses.

The use of ICT enabled teaching is the need of the hour. Some of the classrooms were equipped with multimedia projectors and internet broadband connections. The faculty members have started classroom teaching with power point presentations. The teaching staff frequently attends seminars, workshops and conferences to expand the horizons of the knowledge of their field. The non-teaching staff is also given training to digitize their data and make use of computers for the administrative work.

Our College is also perceptive to the community. A special module of computer education was designed which include basic computer operations and internet for senior citizens, women and self employed persons.

## **2. New academic programmes initiated (UG and PG).**

No new academic programme initiated, But UGC sponsored and Gujarat University affiliated Six Career Oriented Courses are already operational for the students to pursue the course parallel to the regular course.

The six courses are as follow:

- Computer Application and Programming
- Refrigeration
- Seed Technology
- Tourism
- Applied Sociology
- Web Page Designing & Printing Technology

## **3. Innovations in curricular design and transaction.**

Our College is affiliated to Gujarat University (GU), the syllabus framed by the Board of Studies, Gujarat University for UG and PG is followed by our College.

## **4. Inter-disciplinary programmes started.**

A certificate course of English skills was started for the science and arts faculty students in the Digital English Language Laboratory. Our College frequently organizes seminars and workshops on interdisciplinary subjects.

Such seminars/workshops are mentioned here;

- A Regional Workshop on “**Basics of Quantum Mechanics**” was organized by Department of Chemistry on 01/12/2009.
- A Seminar on “**Ragging-A Wicked Behavior**” was held on 19/12/2009 with the support of Civil Court Advocates.
- A state level workshop on “**Prologue and Relevance of MATLAB**” was organized by Department of Computer Science on 28/01/2010.

## **5. Examination reforms implemented.**

Faculty members officiating as the members of Board of Studies of Gujarat University have participated in examination reforms implemented by the University. At College level we pursue the framework for internal examination as per the guidelines of Gujarat University. There are two internal examinations, unit tests and seminars for continuous assessment of the students. For better understanding of the subject, assignments were given to the students of Arts faculty and viva voce for practical examinations in the science faculty to assess the overall learning of the students.

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

No data is available for any of these examinations in the year 2009-2010.

**7. Initiative towards faculty development programme.**

The Faculty members have attended national and international Conferences, seminars, workshops, orientation and refresher courses to update their knowledge. Many seminars and workshops were arranged in the college on various subjects for enhancement of the faculty. Guest lecturers 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 2009-10.

Sr. No.	Name	Name of Seminars/Conferences/ Workshops/Symposiums	Name of Institute and Place	Period
1.	Dr. J. A. Chaudhari (Dept. of Chemistry)	National Seminar on "Research in Chemistry at the crossing edge of other sciences".	N. V. Patel College of Pure and Applied Sciences, V.V.Nagar.	08/11/2009 to 09/11/2009
2.	Mr. A. V. Pandya	UGC sponsored National Conference on "Post modernism in Indian Literature -A review"	Y. S. Arts & K. S. Shah Commerce College, Devgadhi Baria, Dist. Dahod.	09/07/2009 to 10/07/2009
3.	Mr. A. V. Pandya	UGC sponsored two day National Seminar on "Future of Humanities and Social Sciences in Globalized World"	Anand Arts College, Anand.	06/03/2010 to 07/03/2010
4.	Mr. P. S. Patel (Dept. of Economics)	UGC sponsored Two day National Seminar on "Future of humanities and Social-Sciences in Globalized world"	Anand Arts College, Anand.	06/03/2010 to 07/03/2010
5.	Ms. S. S. Vyas	UGC sponsored Two day National Seminar on "Contemporary Women Rights, Politics and Literature"	C. B. Patel Arts College, Anand	14/11/2009 to 15/11/2009
6.	Ms. S. S. Vyas	UGC sponsored Two day National Seminar on "Future of humanities and Social-Sciences in Globalized world"	Anand Arts College, Anand.	06/03/2010 to 07/03/2010
7.	Ms. P. N. Dave (Dept. of Gujarati)	UGC sponsored Two day National Seminar on "Future of humanities and Social-Sciences in Globalized world"	Anand Arts College, Anand.	06/03/2010 to 07/03/2010

Following is the list of publications in various journals by faculty members during the year 2009-10.

Sr. No.	Name	Name of Article	Journal	Year of Publication
1.	Dr. V. S. Joshi	FT-IR, XRD and Thermal study of gel-growth barium tartrate crystals	Journal of Science, vol. 1, Issue-1, 2010	2010
2.	Dr. J. A. Chaudhari	Novel Piperazinylo Bisaryl Hydrazino-S-Triazine Derivatives and their Application as Epoxy Resin Curing Agents.	International Journal of Polymeric Materials NJ, USA	Aug. 2009
3.	Dr. J. A. Chaudhari	Bishydrazine-S-Triazine Derivatives and their Microbicidal Activity	Inorganic Chemistry an Indian Journal Rajkot	Dec. 2009

Following is the list of faculty members who have written Book / article during the year 2009-10.

Sr. No.	Name	Name of Book/Article	Publisher	Year of Publication
1.	Ms. P. N. Dave (Dept. of Gujarati)	“Ananya”	Sri Navbharti Monthly Magazine, Dwarka.	November 2009
	Ms. P. N. Dave (Dept. of Gujarati)	“Importance of Cow (According to Veda)”	Sri Navbharti Monthly Magazine, Dwarka.	March 2010

Following is the list of faculty members who have attended seminars/conferences/workshops/symposiums during the year 2009-10.

Sr. No.	Name	Name of Seminars/Conferences/Workshops/Symposiums	Name of Institute and Place	Period
1.	Dr. V. S. Joshi Principal	AICTE, New Delhi Sponsored National Symposium on “Indian IT@Crossroads”	S. K. Patel Institute of Management & Computer studies, Gandhinagar.	08/08/2009 to 09/08/2009
	Dr. V. S. Joshi Principal	Workshop on “Time Management for Success”	Jashkamal Milcent Management Training Centre, Anand.	03/10/2009
	Dr. V. S. Joshi Principal	Training Programme on “Capacity Building & Managerial Excellence”	SPIPA & Commissioner of Higher Education, Gandhinagar.	14/12/2009 to 18/12/2009
	Dr. V. S. Joshi Principal	One Day Seminar on “Current Trends in Physics”	Department of Physics, University School of Sciences, Gujarat University, Ahmedabad.	14/03/2010



2.	Mr. K. R. Trivedi (Dept. of Physics)	International Conference on "Indian Astronomy, Ancient & Modern"	The Indian Planetary Society, Ahmedabad.	27/06/2009 to 30/06/2009
	Mr. K. R. Trivedi (Dept. of Physics)	One Day Workshop on "Quantum Mechanics"	Physical Research Laboratory, Ahmedabad.	05/09/2009
	Mr. K. R. Trivedi (Dept. of Physics)	UGC Sponsored State Level Seminar on "Physics Education and Research – The Changing Scenario"	Smt. S. M. Panchal Science College, Talod.	25/09/2009 to 26/09/2009
	Mr. K. R. Trivedi (Dept. of Physics)	Workshop on "Time Management for Success"	Jashkamal-Milcent Management Training Centre, Anand.	03/10/2009
	Mr. K. R. Trivedi (Dept. of Physics)	A Regional Workshop on "Basics of Quantum Mechanics"	Shri R. K. Parikh Arts and Science College, Petlad.	01/12/2009
	Mr. K. R. Trivedi (Dept. of Physics)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
3.	Dr. U. N. Patel (Dept. of Physics)	International Conference on "Indian Astronomy, Ancient & Modern"	The Indian Planetary Society, Ahmedabad.	27/06/2009 to 30/06/2009
	Dr. U. N. Patel (Dept. of Physics)	One Day Workshop on "Quantum Mechanics"	Physical Research Laboratory, Ahmedabad.	05/09/2009
	Dr. U. N. Patel (Dept. of Physics)	UGC Sponsored State Level Seminar on "Physics Education and Research – The Changing Scenario"	Smt. S. M. Panchal Science College, Talod.	25/09/2009 to 26/09/2009
	Dr. U. N. Patel (Dept. of Physics)	Workshop on "Time Management for Success"	Jashkamal-Milcent Management Training Centre, Anand.	03/10/2009
	Dr. U. N. Patel (Dept. of Physics)	A Regional Workshop on "Basics of Quantum Mechanics"	Shri R. K. Parikh Arts and Science College, Petlad.	01/12/2009
	Dr. U. N. Patel (Dept. of Physics)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
	Dr. U. N. Patel (Dept. of Physics)	One Day Seminar on "Current Trends in Physics"	Department of Physics, University School of Sciences, Gujarat University, Ahmedabad.	14/03/2010
4.	Mr. R. T. Jasrai (Dept. of Chemistry)	Workshop on "Time Management for Success"	Jashkamal-Milcent Management Training Centre, Anand.	03/10/2009
5.	Mr. V. R. Patel (Dept. of Chemistry)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010

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	Mr. V. R. Patel (Dept. of Chemistry)	of	Conference on “Research & Chemistry at the crossing edges of other sciences”	N. V. Patel College of Pure & Applied Sciences, V. V. Nagar.	08/11/2009 to 09/11/2009
	Mr. V. R. Patel (Dept. of Chemistry)	of	One day Workshop on “Time Management for Success”	Jaskamal-Milcent Management Training Centre, Anand.	03/10/2009
	Mr. V. R. Patel (Dept. of Chemistry)	of	International Conference on Indian Astronomy : Ancient & Modern	Indian Planetary Society, Ahmedabad.	27/06/2009 to 30/06/2009
	Mr. V. R. Patel (Dept. of Chemistry)	of	International conference on Environmental Issue in Emerging & Advance Economies:Canada, India.	Department of Chemistry & James Reaney Canadian Centre, Ahmedabad.	06/12/2009 to 08/12/2009
6.	Mr. S. V. Patel (Dept. of Chemistry)	of	One Day Workshop on “Basics of Quantum Mechanics”	Shri R. K. Parikh Arts and Science College, Petlad.	01/12/2009
	Mr. S. V. Patel (Dept. of Chemistry)	of	One Day Workshop on “Recent advances in Chromatography”	Shri R. K. Parikh Arts and Science College, Petlad.	03/01/2010
	Mr. S. V. Patel (Dept. of Chemistry)	of	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
	Mr. S. V. Patel (Dept. of Chemistry)	of	71 <sup>st</sup> BRNS-IANCAS National Workshop on Radio Chemistry & Application	Department of Chemistry, M. S. University, Baroda.	04/01/2010 to 12/01/2010
	Mr. S. V. Patel (Dept. of Chemistry)	of	National Conference on Green Chemistry	Veer Narmad South Gujarat University, Surat.	06/02/2010 to 08/02/2010
7.	Dr. J. A. Chaudhari (Dept. of Chemistry)	of	One day Workshop on “Time Management for Success”	Jaskamal-Milcent Management Training Centre, Anand.	03/10/2009
	Dr. J. A. Chaudhari (Dept. of Chemistry)	of	Workshop on Advances in Materials	Department of Material Science, S. P. University, V.V.Nagar.	21/01/2010 to 22/01/2010
	Dr. J. A. Chaudhari (Dept. of Chemistry)	of	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
	Dr. J. A. Chaudhari (Dept. of Chemistry)	of	National Seminar on “Nanotechnology: Today and Tomorrow	Dept of Chemical Engineering, Nirma University, Ahmedabad.	08/03/2010
8.	Mr. B. D. Joshi (Dept. of Microbiology)		National Seminar on “New Frontiers in Life Sciences”	N. V. Patel College of Pure and Applied Sciences, V. V. Nagar.	19/12/2009

	Mr. B. D. Joshi (Dept.of Microbiology)	UGC Sponsored National Seminar on “Current Trends in Microbiological Sciences”	M. G. Science Institute, Ahmedabad.	23/01/2010 to 24/01/2010
	Mr. B. D. Joshi (Dept.of Microbiology)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
9.	Mr. V. N. Vora (Dept. of Microbiology) of	UGC Sponsored National Seminar on “Current Trends in Microbiological Sciences”	M. G. Science Institute, Ahmedabad.	23/01/2010 to 24/01/2010
	Mr. V. N. Vora (Dept. of Microbiology) of	One day State level Workshop on “Prologue and Relevance on MATLAB”	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
10.	Dr. K. B. Anjaria (Dept. of Biology)	National Medicinal Plant Board, New Delhi sponsored seminar on “Amla”	M. S. University of Baroda, Vadodara.	04/08/2009
	Dr. K. B. Anjaria (Dept. of Biology)	UGC Sponsored Seminar on “Ethnobotany & Biodiversity”	Biology Dept., Science College, Pilvai.	08/08/2009
	Dr. K. B. Anjaria (Dept. of Biology)	State Level Seminar on “Importance of Trees in Conversation of (Bird) Avian Diversity”	Dept. of Zoology, M. S. University of Baroda, Vadodara.	13/09/2009
	Dr. K. B. Anjaria (Dept. of Biology)	XIX Annual Conference & International Seminar IAAT.	NBRI, Lucknow (UP)	12/09/2009 to 14/09/2009
	Dr. K. B. Anjaria (Dept. of Biology)	Training Workshop on “Bird Rescue Management”	Forest Dept. & S. P. University, V. V. Nagar.	08/01/2010
	Dr. K. B. Anjaria (Dept. of Biology)	National Seminar on “Nanotechnology: Today and Tomorrow	Nirma University, Ahmedabad.	08/03/2010
11.	Mr. S. D. Shukla (Dept.of Mathematics)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
	Mr. S. D. Shukla (Dept.of Mathematics)	One day Workshop on “Time Management for Success”	Jaskamal-Milcent Management Training Centre, Anand.	03/10/2009
12.	Dr. U. H. Vyas (Dept. of Computer Science)	AICTE, New Delhi Sponsored National Symposium on “Indian IT@Crossroads”	S. K. Patel Institute of Management & Computer studies, Gandhinagar.	08/08/2009 to 09/08/2009
	Dr. U. H. Vyas (Dept. of Computer Science)	One day State level Workshop on “Prologue and Relevance on MATLAB”	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010

	Dr. U. H. Vyas (Dept. of Computer Science)	One day Workshop on "Time Management for Success"	Jaskamal-Milcent Management Training Centre, Anand.	03/10/2009
13.	Mr. A.V.Pandya (Dept.of English)	Training Program of Digital English Language Laboratory Program for Lab Co-ordinators	H. M. Patel Inst. of English Training and Research, V. V. Nagar.	20/07/2009 to 23/07/2009
	Mr. A.V.Pandya (Dept.of English)	One day Workshop on "Time Management for Success"	Jaskamal-Milcent Management Training Centre, Anand.	03/10/2009
	Mr. A.V.Pandya (Dept.of English)	One day Orientation Workshop on "Various initiatives related with quality improvement in Higher Education"	U.T.S. Mahila Arts College, Nadiad.	10/12/2009
	Mr. A.V.Pandya (Dept.of English)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
14.	Ms. I. B. Patel (Dept. of Psychology)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
	Ms. I. B. Patel (Dept. of Psychology)	International Women's Day Celebration	Gujarat University, Ahmedabad.	08/03/2010
15.	Mr. M. B. Vaghela (Dept. of Sanskrit)	National Conference on "Kavyashastra"	C & S. H. Desai Arts College, Balasinor.	23/01/2010 to 24/01/2010
	Mr. M. B. Vaghela (Dept. of Sanskrit)	Seminar on "Modernity in Indian Society"	M. D. Shah Commerce & B. D. Patel Arts College, Mahudha.	05/02/1010
	Mr. M. B. Vaghela (Dept. of Sanskrit)	Seminar on "Future of Social Science and Literature in Global Era"	Anand Arts College, Anand.	06/03/2010 to 07/03/2010
	Mr. M. B. Vaghela (Dept. of Sanskrit)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
16.	Ms. P. N. Dave (Dept. of Gujarati)	UGC sponsored Two day National Seminar on "Future of humanities and Social-Sciences in Globalized world"	Anand Arts College, Anand.	06/03/2010 to 07/03/2010
	Ms. P. N. Dave (Dept. of Gujarati)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010

17.	Mr. K. R. Vankar (Dept.of Gujarati)	National Conference on "Kavyashastra"	C & S. H. Desai Arts College, Balasinor.	23/01/2010 to 24/01/2010
	Mr. K. R. Vankar (Dept.of Gujarati)	Seminar on "Modernization in Indian Society"	M. D. Shah Commerce & B. D. Patel Arts College, Mahudha.	05/02/1010
	Mr. K. R. Vankar (Dept.of Gujarati)	Seminar on "Future of Social Science and Literature in Global Era"	Anand Arts College, Anand.	06/03/2010 to 07/03/2010
	Mr. K. R. Vankar (Dept.of Gujarati)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
18.	Mr. I. A. Shaikh (Dept.of Sociology)	Seminar on "Revisiting Gandhi"	H. K. Arts College, Ahmedabad.	12/07/2009
	Mr. I. A. Shaikh (Dept.of Sociology)	State Level Seminar on "Rural Youth: Transformation & Challenges"	M. P. Arts College for Women, Ahmedabad.	12/09/2009
	Mr. I. A. Shaikh (Dept.of Sociology)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
	Mr. I. A. Shaikh (Dept.of Sociology)	UGC sponsored State level Inter-Disciplinary Seminar on "Modernity in Indian Society"	Arts & Commerce College, Mahudha.	05/02/2010
19.	Mr. P. R. Parmar (Dept.of Sociology)	UGC sponsored State level Inter-Disciplinary Seminar on "Modernity in Indian Society"	Arts & Commerce College, Mahudha.	05/02/2010
	Mr. P. R. Parmar (Dept.of Sociology)	UGC sponsored National Seminar on "Tribal Education in India"	Arts College, Shamlaji.	26/02/2010 to 27/02/2010
	Mr. P. R. Parmar (Dept.of Sociology)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
	Mr. P. R. Parmar (Dept.of Sociology)	Two-day National Seminar on "Future of humanities and Social- Sciences in Globalized world"	Anand Arts College, Anand.	06/03/2010 to 07/03/2010
20.	Miss. D. K. Rohit (Dept.of Sociology)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010

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	Miss. D. K. Rohit (Dept.of Sociology)	UGC sponsored State level Inter-Disciplinary Seminar on “Modernity in Indian Society”	Arts & Commerce College, Mahudha.	05/02/2010
	Miss. D. K. Rohit (Dept.of Sociology)	Nation Seminar on “Issues of Women Empowrment”	Dept. of Sociology, S. P. University, V.V.Nagar.	14/02/2010
	Miss. D. K. Rohit (Dept.of Sociology)	UGC sponsored National Seminar on “Tribal Education in India”	Arts College, Shamlaji.	26/02/2010 to 27/02/2010
	Miss. D. K. Rohit (Dept.of Sociology)	Two-day National Seminar on “Future of humanities and Social-Sciences in Globalized world”	Anand Arts College, Anand.	06/03/2010 to 07/03/2010
21.	Mr. P. S. Patel (Dept. of Economics)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
	Mr. P. S. Patel (Dept. of Economics)	Two-day National Seminar on “Future of humanities and Social-Sciences in Globalized world”	Anand Arts College, Anand.	06/03/2010 to 07/03/2010
22.	Ms. S. S. Vyas (Dept. of Economics)	One day State level Workshop on Prologue and Relevance on MATLAB	Shri R. K. Parikh Arts and Science College, Petlad.	28/01/2010
	Ms. S. S. Vyas (Dept. of Economics)	UGC sponsored two day National Seminar on “Contemporary Women Rights, Politics and Literature”	C. B. Patel Arts College, Nadiad.	14/11/2009 to 15/11/2009
	Ms. S. S. Vyas (Dept. of Economics)	Two-day National Seminar on “Future of humanities and Social-Sciences in Globalized world”	Anand Arts College, Anand.	06/03/2010 to 07/03/2010
	Ms. S. S. Vyas (Dept. of Economics)	Workshop on “Time Management for Success”	Jashkamal-Milcent Management Training Centre, supported by CHARUSAT University, Anand.	03/10/2009

## 8. Total number of seminars/workshops conducted.

The following workshops and seminars are conducted during academic year 2009-2010.

- A Regional Workshop on “**Basics of Quantum Mechanics**” was organized by Department of Chemistry on 01/12/2009.
- A Seminar on “**Ragging-A Wicked Behavior**” was held on 19/12/2009 with the support of Civil Court Advocates. (See Photo P-8)
- A state level workshop on “**Prologue and Relevance of MATLAB**” was organized by Department of Computer Science on 28/01/2010. (See Photo P-7)
- A guest lecture on “Expanding Horizons of Science” on the occasion of National Science Day by Dr. V. N. Mani (Scientist-E, C-MET, Govt. of India, Hyderabad). (See Photo P-5)
- A workshop on “**Let us be....Industry Driven**” was organized by the College Industry Interface Cell (IIC) for the students. (See Photo P-11)
- A seminar on “**Road Map to Personality Development**” was organized on 11/08/2009 with the association of Prajapita Brahmakumari Ishwariya Vishwa Vidyalaya.

## 9. Research projects

### a) Newly implemented:

No research projects were sanctioned and implemented in the year 2009-2010.

### b) Continued:

One ongoing UGC sponsored minor research project titled “*Novel Epoxy Resin Curing Agent Containing S-Triazine Ring*” by **Dr. J. A. Chaudhari, Department of Chemistry** was completed on 15<sup>th</sup> March 2010.

## 10. Patents generated, if any.

Sorry to state that no patent has been generated during the academic year 2009-2010.

## 11. New collaborative research programmes.

Dr. Vimal Joshi, Department of Physics is working on crystal growth in collaboration with the Hemchandracharya North Gujarat University, Patan.

## 12. Research grants received from various agencies.

No research grants received during 2009-2010.

### 13. Details of research scholars.

The college is running under graduate courses in Arts and Science faculties and also a PG centre in Arts faculty. At present one student Mr. J. D. Shah, Lecturer in Physics, Himmatnagar is enrolled and doing research under the guidance of Dr. V. S. Joshi.

### 14. Citation index of faculty members and impact factor.

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.	Dr. V. S. Joshi	FT-IR, XRD and Thermal study of gel-growth barium tartrate crystals	Journal of Science, vol. 1, Issue-1, 2010	Data N.A.
2.	Dr. J. A. Chaudhari	Novel Piperazinylo Bisaryl Hydrazino-S-Triazine Derivatives and their Application as Epoxy Resin Curing Agents.	International Journal of Polymeric Materials NJ, USA vol. 58, 401-408, June, 2009	0.458
3.	Dr. J. A. Chaudhari	Bishydrazine-S-Triazine Derivatives and their Microbicidal Activity	Inorganic Chemistry an Indian Journal Rajkot vol. 4, Dec. 2009	Data N.A.

### 15. Honors/ Awards to the faculty.

- The following is the details of the honors and awards received by faculties of our college during 2009-2010.
- Dr. Vimal Joshi and Mr. Vijay Patel are serving as a senate member of Gujarat University.
- Mr. Kalpesh Trivedi served as a Public Relation Coordinator of Rotary District 3060 of Rotary International.

### 16. Internal resources generated.

No such internal resources generated in the college during the year 2009-2010.

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

No such assistance or recognition received during year 2009-2010.



### **18. Community services.**

Apart from academic activities, it is our responsibility to serve community by conducting meaningful projects and awareness programmes by identifying the needs of the society. Such programmes are regularly conducted throughout the year by N.S.S., N.C.C., Colleague Womens Development Cell (C.W.D.C.), Nature Club, Red ribbon club, Movie club and various departments of the College. Such activities are highlighted below;

- Campus Cleanliness Drive by N.S.S. students.
- Health Awareness Programme. Dr. Tushar Soni (M.D.) delivered lecture on healthy human heart and Dr. Jayesh Desai, President, Indian Red Cross Society explained about the Thalassemia. (See Photo **P-1**)
- A seminar on “Road Map to Personality Development” was organized to celebrate International Youth Day. The programme was conducted by Prajapita Brahmkumari Ishvariya Vishwa Vidyalaya. (See Photo **P-9**)
- Swarnim Gujarat debate competition and drama competition were organized on 31.10.2010. (See Photo **P-3**)
- A unique programme of Computer Training for the senior citizens was conducted for one month. More than 80 senior citizens learnt the basic computer operations, Word, Excel, Power Point, Internet browsing and email in this course. (See Photo **P-6**)
- An Eco-Socio survey at Rupiyapura village was conducted by the students of Economics department.
- A seminar highlighting the Issues of Ragging and anti-ragging law in was organized with the kind cooperation of layers of sessions court. (See Photo P-8)
- Many in house activities were carried out by C.W.D.C. of our College like, Poster Making on corruption and terrorism, Embroidery for girls, Yoga and health, personality development programme for girls.

### **19. Teachers and officers newly recruited.**

No teacher or officer has been recruited by the College in the academic year 2009-2010.

### **20. Teaching – Non-teaching staff ratio.**

The total of teaching faculty is 25 and non-teaching staff is 13.

**21. Improvements in the library services.**

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

- The bar coding of the library books was completed. The books are issued and returned as per the barcode reader system.
- The online references and internet browsing is offered to the students.
- The practice of library extended timing from 09.00 hrs to 18.00 hrs has been continued this year during College and university examinations.
- Book fairs of various publishers are arranged to explore the new books for the students and the faculty members.

**22. New books/ journals subscribed and their value.**

The following is the details of the new books/ journals subscribed in the library and the values of the same for the academic year 2009-2010.

	Head	Details for 2009-2010	
		Number of Books	Total Cost (in Rupees)
<b>Text Reference books/</b>	UGC-Science	85	46631.00
	UGC-Arts	113	28083.00
	<b>Total UGC</b>	<b>198</b>	<b>74714.00</b>
<b>Other books</b>	Science	28	3162.00
	Arts	285	23408.00
	<b>Total</b>	<b>313</b>	<b>26570.00</b>
<b>Journals/Periodicals</b>	Arts/ Science	06	3450.00
<b>Magazine/Newspaper</b>	Arts/ Science	41	16040.00

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

Teachers' assessments by student feedback as well as the general feedback forms are filled by the students in the prescribed format. The feedback forms are analyzed and report is prepared. The report is shared by the College principal with the staff members.

**24. Unit cost of education.**

Unit cost of education (with salary) : Rs. 18,331.30  
 Unit cost of education (without salary) : Rs. 1,091.17

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

All the departments, library and administrative office are equipped with computers. The admission, fee collection, enrollment, accounts and other certificates issued to the students are digitized. The computerized internal mark sheets are prepared by the departments.

**26. Increase in the infrastructural facilities.**

Digital English Language Laboratory (DELL) was established in 2009-2010. The DELL is fully furnished with 25 computers and the English Language software. This laboratory was established with the financial assistance of Gujarat Government.

**27. Technology upgradation.**

Several classrooms are equipped with Multimedia Projectors and projection screen to enhance ICT enabled teaching. All the departments, administrative office, library, sports office and central hall are having computer systems and broadband connectivity. All these technologies are vastly used by the students as well as the teachers.

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

Computer and internet access are provided free of cost to the all staff members and all the students in the individual departments, at library and at the Department of Computer. Though no computer training programme have been arranged for the teachers of the college. But the students were 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 2009-2010.

Sr. No.	Head of Financial Aid	Number of students benefited		Total Amount
		Men	Women	
1	B.C.	36	51	2,79,625.00
2	Baxi Punch	68	123	2,03,739.00
3	NT/DNT	16	102	37,980.00
4	E.B.C	05	---	6,000.00
5	Physically Handicapped	01	---	2,500.00

**30. Activities and support from the Alumni Association.**

We planned such of the Alumni Association at the beginning of term, but somehow it was not materialized in form of support from alumni association.

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

One Parent-Teacher Association meeting took place in the academic year 2009-2010. Several healthy suggestions were made by the parents for the development of the overall college functioning. The discussions were a great boost for the improvement in the college working.

### 32. Health services:

Staff receives the health facility in the form of medical allowance per month. If any major hospitalization or medical bill arises then the same is remunerated under the medical allowance facility of the government. A one day health check up camp was organized for the freshers of the college.

### 33. Performance in sports activities.

Host as a Gujarat University South Zone Inter College Championship.

- ❖ Our student participated in various events in Gujarat university south zone inter college.

YEAR	TOTAL EVENT		PARTICIPATENT		TOTAL
	MEN	WOMEN	MEN	WOMEN	
2009-10	13	08	87	66	153

- ❖ Result of the gujarat university south zone inter college second - runners – up (third) team.

SR NO.	NAME OF EVENT	YEARS	PLACE	RESULT
01	Power lifting Men	2009-10	Petlad	II <sup>nd</sup> Runners-Up-Team
02	Weight Lifting MEN	2009-10	Petlad	II <sup>nd</sup> Runners-Up-Team
03	Best physique MEN	2009-10	Petlad	II <sup>nd</sup> Runners-Up-Team

- ❖ Result of the gujarat university champion team.

SR NO.	NAME OF EVENT	YEARS	PLACE	RESULT
01	Judo Women	2009-10	Ahmedabad	Champion Team
02	Power Lifting Women	2009-10	Ahmedabad	Champion Team

- ❖ Open race organized by indian rural management 5 kms running.  
First place with gold medal – 01

- ❖ Swarnim Gujarat Saptdhara State Leval Festival 27<sup>th</sup> To 30<sup>th</sup> January 2010 At V.V.Nagar

SR.NO	NAME OF EVENT	MEDAL
01	Judo women team	05 Gold Medal
02	Judo women team	02 Silver Medal
03	Wrestling men team	03 Gold Medal
04	Wrestling men team	01 Silver Medal
05	Wrestling men team	01 Bronze Medal

- ❖ The list of the players who stood first,second and third in gujarat university south zone in various events.

SR.NO	Sex	First	Second	Third	Team Event	Total
01	Men	06	07	05	02	20
02	Women	11	06	05	03	25
		17	13	10	05	45

- ❖ The List of the players who stood first,second and third in Gujarat University in various events.

SR.NO	Sex	First	Second	Third	Total
01	Men	02	02	00	04
02	Women	05	05	02	12
		07	07	02	16

- ❖ The list of the players who participate in all india inter university championship.

SR. NO	Name Of The Player	Event	Place	Year
01	Patel Sapna I.	Power lifting	Gurunanak Dev Uni. of Amritsar, Punjab.	2009-10
02	Rana Yunus J.	Power lifting	Gurunanak Dev Uni. of Amritsir, Punjab	2009-10
03	Prajapati Rinal K.	Judo	Punjab University, Chandigadh	2009-10
04	Shastri Devshri H.	Judo	Punjab University, Chandigadh	2009-10

### **34. Incentives to outstanding sportspersons.**

Sport persons of our college were provided with sports kit, sports equipments & First Aid kit, accessories, traveling and daily allowance during participation in the tournament.

The best player of the year 2009-2010 woman and man sport-students of the college were awarded to Patel Sapna I. and Rana Yunus J. with trophy and certificate respectively.

### **35. Student achievements and awards:**

The following are some of the achievements and awards received by our college students in the year 2009-2010.

Prajapati Rinal K. and Devsrhiben H. Shastri participated in 44 Kg Judo competition at Punjab University, Chandigarh Punjab

Patel Sapna I. and Rana Yunus J. participated in 48 Kg power lifting competition at Gurunanak Dev Uni. Of Amritsar, Punjab.

- Rana Yunus J. was awarded the best man Player of our college.
- Prajapati Rinal K. was awarded the best woman Player of our college.

### **36. Activities of the Guidance and Counseling unit.**

The activities of Guidance and Counseling cell are focused to assist the students during the process of admission and elucidate about the selection of subjects. The second year students are given information regarding the subject selection and the future career aspects. The special career guidance programs and guest lectures of experts from various fields and industries are arranged for the final year students of the UG and PG.

Also all round activities for the girl students through the academic year. Guest lecture of Dr. Desai, Dr. Soni was arranged on Thalassemia and swine flu awareness. Also a lecture on personality development and Yoga was delivered by Nutanben Patel. Students visited old age home at Dantali and a small scale Gruh Udyog industry at Petlad. The students actively participated in some traditional activities like, Garba, Mehendi, Hair Art and Drawing competition.

### **37. Placement services provided to students.**

Placement Career Guidance Cell headed by one of the faculty along with various members of the college, conducts many workshops on placement and competitive exam preparation during the academic year, soft skill courses, also gives all the guidelines in preparation of the CV's of the students etc. The Placement Career Guidance cell supports the poor and needy students of the college to "Earn-While-Learning". Under

this scheme the students are provided with campus jobs which they can perform during their free time.

In the academic year 2009-2010 many soft skill courses were conducted. Courses like English Improvement, Beauty Parlors, for girls, and mobile repairing for boys. Youth Empowerment with Personality Improvement in collaboration with the Ahmedabad Management Association etc. was conducted under the cell activities. Many of the students took advantage of such useful courses.

### **38. Development programmes for non-teaching staff.**

The non-teaching staff undergoes training of basic computer which will be useful to them in administrative work.

### **39. Healthy practices of the institution:**

The college has many healthy practices that they follow all throughout the academic year. Some of the best practices that the college performed during the year 2009-2010 are as follow.

1. The vision and mission of the college is made known to the public, candidates who seek admission, students and teachers by displaying it in College premises.
2. A clean campus drive from Gutka, tobacco, pan masala and cigarette in the college campus is carry out by the students and staff members and principal. If any staff member or student found to break the law, they are fined.
3. Free internet facility is provided to all students and staff members.
4. A healthy discussion of the science topics were organized by Science Study Circle. The students are encouraged to participate in seminars fortnightly. (See Photo P-10)
5. A monthly newsletter titled “UTTHAN” is published as a record of the activities in the college during the academic year as well as a means of making known our curricular and co-curricular activities to other stakeholders and public. Students and staff members write articles in the magazine, which helps the students in to improve their writing skills as well as their general knowledge.
6. Fair grievance redressed mechanisms to resolve internal issues monitored by a committee.
7. Biology department has organized botanical tour to Bakor abhayaranya. (See Photo P-2)
8. Analyses of drinking water of the college carry out by the students of S.Y.B.Sc and T.Y.B.Sc (Microbiology). They also examined and analyzed the water of surrounding villages of the Petlad.
9. The scholar students of college were given scholarship and free-ship to needy students by Petlad Education Trust.

10. Physical Education Department fully utilizes its resources for sports activities of the students. The department of physical Education is well equipped with sports facilities.
11. Industrial visits for science students and study tours for arts students are regularly organized.
12. Our institute Host a Gujarat University South Zone Inter College Championship. See Photo P-12
13. A Medical Checkup organized for all the F. Y. B.A. and F. Y. B.Sc. students.
14. N.C.C. cadets participated in cultural activities.

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

Dr. Vimal S.Joshi, Department of Physics is working in collaboration with Saurashtra University, Rajkot in the field of effect of some additive solution on crystal growth.

**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.

Priti Dave of Department of Gujarati has published two books “*Ananya*” and “*Importance of Cow (According to Veda)*”. (See Photo P-4)

Dr. K. B. Anjaria, Head, Dept. of Biology has served as a expert quiz master at District level science quiz C.C.Patel Community Science Centre of GUJCOST, GOV OF GUJARAT, Vallabh Vidyanagar on 06/01/2010.

Dr. K. B. Anjaria also participated in “*Bird Rescue Training Programme*” organised by the department of Forest, Govt. of Gujarat, Gandhinagar.



## **Part C**

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

The college has planned the following goals in the next academic year 2010-2011.

- The students will be encouraged to opt for The Society for Creation of Opportunity through Proficiency in English (SCOPE) examination.
- To enhance ICT enabled education, College is planning to install LCD projector in some classes.
- Improvement in Co-curricular and extra- curricular activities.
- Upgradation and improvement in college website.
- Encourage college faculty and students for participation in seminar, conference, workshops, competitions and reading activities.
- We are planning to participate in soil testing programme of Gujarat Government so that students may earn while learning.
- To invite visiting faculties and scientists from other universities, institutions and industries.

• APPENDIX-I(A)

**GLIMPSES OF ACTIVITIES**



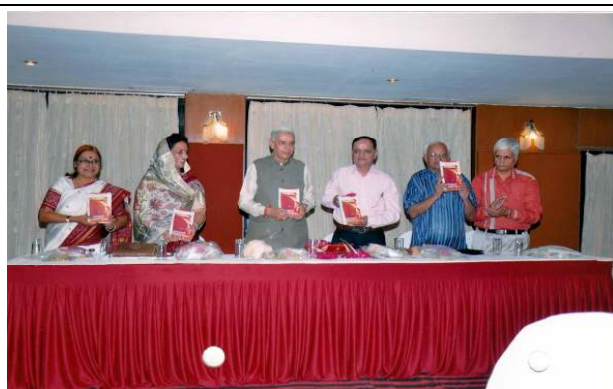
**P-1**  
Health Awareness Programme by  
Dr. Tushar Soni



**P-2**  
Botanical Tour visit to 'Bakor Abhayaranya' on  
15-16-December 2009



**P-3**  
Swarnim Gujarat drama competition  
by college students



**P-4**  
Minister of State releases novel "Ananya" written  
by P. M. Dave



**P-5**  
A Seminar on  
"Expanding Horizons of Science" on the  
Celebration occasion of National Science Day



**P-6**  
A unique programme of Computer Training for  
the senior citizens

• APPENDIX-I(B)

**GLIMPSES OF ACTIVITIES**



**P-7**

One day seminar on  
“Prologue and Relevance of MATLAB”



**P-8**

Awareness programme of  
Ragging and provisions in law



**P-9**

A seminar on  
“Road Map to Personality Development”



**P-10**

Science Study Circle programme  
for science students



**P-11**

A workshop on “Let us be....Industry Driven”



**P-12**

Weight Lifting and Best Physique tournament