

# Internal Quality Assurance Cell

M V M Science & Home Science College, Rajkot

(Accredited 'A' by NAAC)



Coordinator: Ms. Neela Upadhyay

Chairman: Prin. P. D. Kotak

Date: 28<sup>th</sup> May, 2008

To,  
The Director,  
National Assessment and Accreditation Council,  
Bangalore.

Subject: Submission of Annual Quality Assurance Report 2007-08

Dear Sir,

We hereby forward our Annual Quality Assurance Report 2007-08 prepared by the Internal Quality Assurance Cell. A soft copy of the same is also enclosed with this.

Kindly acknowledge the receipt of the same.

With thanks,

Yours truly,

(Ms. N. G. Upadhyay)  
Coordinator,  
Internal Quality Assurance Cell,  
M. V. M. Science & Home Science College,  
Rajkot.

Matushri Virbaima Mahila Science & Home Science College, Rajkot



# Annual Quality Assurance Report

2007-08

Submitted to  
National Assessment and Accreditation Council  
Bangalore

(Ms. N. G. Upadhyay)  
Coordinator  
Internal Quality Assurance Cell  
M. V. M. Sc. & Home Sc. College  
Rajkot

(Mr. P. D. Kotak)  
Chairperson  
Internal Quality Assurance Cell  
M. V. M. Sc. & Home Sc. College  
Rajkot

## **Principal's message**

It is indeed a matter of great satisfaction that the Annual Quality Assurance Report 2007-08 of our college is being submitted to National assessment and Accreditation Council. Last year, our college successfully completed the accreditation process and achieved “A” grade – something very few colleges of the state could boast of.

In the beginning of this year, the institution formed Internal Quality Assurance Cell under the coordination of Ms. Neela Upadhyay. The IQAC had a tremendous task ahead starting from ground zero. However, I am extremely happy to say that IQAC has not only provided a model for future but also infused genuine atmosphere of quality consciousness in all activities the institution.

I take this opportunity to congratulate all the members of IQAC who have put in enormous efforts in preparing this AQAR. I also congratulate all the teaching and non-teaching staff members of the institution who have responded with unquestioning faith and relentless enthusiasm to the call of IQAC. I wish the whole exercise all the very best.

(Mr. P. D. Kotak)

I/c Principal

M. V. M. Science & Home Science College,

Rajkot

## **Coordinator's message**

I feel privileged to present this AQAR for submission to NAAC. This AQAR is a result of our year long endeavor to achieve excellence in our work. Our collective efforts have paid us rich dividends. It is a matter of great satisfaction that IQAC has proved to be the catalyst for quality enhancement and sustenance in our work.

IQAC was established in the beginning of the year as a post-accreditation quality enhancement and sustenance exercise. The IQAC chalked out a plan of action in the beginning of the year. This report is an exercise in assessing our own achievement and an enterprise at finalizing our future plan of action for the development of the institution.

I take this opportunity to sincerely express my gratitude to the institution for entrusting me with the responsibility of the IQAC of the institution as the coordinator. I also thank all the members of the IQAC for their support throughout the year. I also wish to thank all the faculty members without whose cooperation IQAC would not have accomplished anything. All the faculty members have responded wonderfully well to the calls of the IQAC for innovation and improvement. I wish all of you, my colleagues, very best in your quest for excellence. Let's all strive together for better.

(Ms. Neela Upadhyay)

Coordinator

IQAC

M. V. M. Science & Home Science College,

Rajkot

M. V. M. Science and Home Science College, Rajkot

Internal Quality Assurance Cell

Annual Quality Assurance Report 2007-08

Part A

### **The plan of action chalked out by the IQAC**

- To clearly spell out the objectives of the institution and give it wide publicity in the institution so that all the activities of the college are focused and concentrated to achieve the objectives of the institution.
- To start post graduate centers in the college in consultation with the various departments of the college as per requirement of the students.
- To set up a language laboratory in the institution to impart better teaching of English.
- To discourage the use of chalk and talk method in the classroom and to encourage to make the classroom more interactive and participatory.
- To ensure useful involvement of alumnae association in the development of the college.
- To start a career counseling and placement cell in the institution that shall provide guidance to the students, organize lectures and arrange placement programmes.
- To organize and/or to be host to various sports competitions in the institution.
- To organize and /or to be host to and/or to constitute bodies or forums in the institution to organize book fairs, exhibitions, rallies, and such other programmes to make students aware about the various current issues pertaining to social justice, environment, women empowerment, gender equality, scientific approach to life, etc.

The academic year 2007-08 started with a lot of enthusiasm and new zeal following the successful accreditation of the institution in the last April. The institution came out with flying colours with A-grade accreditation by NAAC—an accreditation few institutions can boast of.

The first important post-accreditation quality assurance exercise was to establish Internal Quality Assurance Cell of the college. The college has formed an IQAC with members from all the departments of the college and representatives from

management and society. IQAC of the college regularly holds meetings, takes stock of the academic and co-curricular activities of the college, and provides help and guidance to the departments of the college in quality enhancement. IQAC of the college consists of the following members:

No.	Name	Designation	Representation
1	Mr. P D Kotak	Chairman	Principal
2	Prof. K K Khakhkhar	Member	Management
3	Ms. Sulabhaben W Desai	Member	Faculty (Micro-biology)
4	Ms. Diptiben M Oza	Member	Faculty (Home Mgmt)
5	Ms. Bhavana Vaid	Member	Faculty (Food & Nutrition)
6	Ms. Gira M Mankad	Member	Faculty (Gen. Science)
7	Dr. K J Ganatra	Member	Faculty (Chemistry)
8	Dr. C M Thaker	Member	Faculty (Physics)
9	Ms. N G Upadhyay	Member coordinator	Faculty (English)
10	Ms. R B Rathod	Member	Librarian
11	Mr. H V Parmar	Member	Senior Clerk cum Cashier
12	Dr. Jagrutiben Dolariya	Member	Eminent Personality

The matter of first and foremost priority for the IQAC was to consider the recommendations of the NAAC peer team. Accordingly, IQAC deliberated with all the stake holders of the institution throughout the year and chalked out a plan of action for the institution.

The institution has, as suggested by NAAC peer team, spelled out the objectives of the institution. These are as follows:

- To impart quality education to our students.
- To inculcate strong moral values in our students.
- To make our students emancipated right-minded independent intellectuals.
- To make our students aware about career opportunities available to them and to assist them to achieve them.
- To infuse a sense of social responsibility in our students.
- To instill a strong scientific spirit and love for science in our students.
- To work towards women empowerment and to spread awareness about problems and challenges of women in society and their constitutional rights and remedies.
- To help them grow into well equipped home makers.

IQAC in consultation with the concerned departments of the college decided to start post graduate centers in Chemistry and Microbiology. A proposal has been forwarded by chemistry department to the University for affiliation and the permission is soon expected. We are optimistic to start the post graduate centers from the next academic year. While Microbiology department is working out the details for starting a post graduation center and a formal proposal will soon be forwarded to the university. A proposal to start new courses in Home Science in Fashion Designing, Human Development, and Education Extension & Communication is forwarded to the management by General Home Science department.

IQAC decided to emphasize the teaching and training in English. Consequently IQAC saw the need to set up a language laboratory in the college in view of the growing importance of proficiency in English. A proposal to set up a language laboratory in the college is approved by the management and efforts are on to garner financial support from the government. The state government has a scheme to aid colleges to set up language laboratories in the colleges. We expect a positive reply from the government failing which we shall mull the option of availing financial support from UGC under the XI<sup>th</sup> plan.

Most faculty members have expressed concern about the students' participation in the classroom activities. IQAC, in its plan of action chalked out in the beginning of the year, decided to address this issue and decided to reduce dependence on the traditional chalk and talk method and to encourage interactive strategies in the classroom activities. The faculty members now rely more on discussions, classroom seminars, debates, and such other interactive techniques in the classroom. IQAC also encouraged faculty members to use audio-visual aids and computers, e-resources and internet for regular classroom teaching. We also encouraged class tests, assignments, and organizing quizzes in the class on regular basis to ensure active participation of the students in the classroom. This has yielded good result so far. The overall percentage of classroom presence has increased and the students have found this a useful exercise.

IQAC recommended the constitution of a Career Counseling and Development Center in the college. Accordingly, a Career Counseling and Development Center is in place in the college. There is a six member committee under the convenership of Ms. Bhavna Vaid. This center works for dissemination of career related information among students. It organizes various lectures and talks related to career opportunities

in the various fields. It also organizes placement programmes in collaboration with the prospective employers. During the academic year 2007-08 the CCDC of the college organized various activities mentioned in Part B Para 36 of AQAR.

Alumnae are an important part of an educational institution. Our past students proudly remember their association with the institution. IQAC decided to make use of the resources and strength of the alumnae association of the college for the development of the college. However, it was decided that such help and assistance will be in the form of expertise and knowledge and not in the form of financial help. Since this is a women college most of our alumnae are out of station since they have moved to different places after their marriage. But they still continue to extend their cooperation to the institution as when it is needed. We could garner support of the alumnae for the various programmes as mentioned in Part B Para 30 of AQAR.

IQAC realized that organizing university and state level sports competitions can provide exposure to our students that would help them a lot. Interacting with participants from other colleges ignites their minds to achieve higher and higher in the areas of their interest. In view of this IQAC decided to organize and/or host university level sports competitions. The institution hosted the Inter College Basket Ball Competition organized by Saurashtra University. The institution organized a twelve day tracking camp at Ernakulam in Kerala.

An HEI has a significant role to play in sensitizing their students about environment. It is essential that an HEI develops love of nature in its students and makes them aware about the problems and hazards of environment degradation so that the students see the importance of eco-friendly life style. We have set up a Nature Club in the college to fulfill this duty. Ms. Sandhya Parikh is the convener of Nature Club. There are 86 students enrolled in this club. Following activities were carried out by the Nature Club:

- The club organized a tree plantation drive in the college campus.
- A “Charchasabha” was organized on Medicinal Plants and Their Usefulness on 11<sup>th</sup> January 2008.
- A poster making preparation and exhibition was organized. Nature Club members prepared posters and charts on environment awareness, different types of pollution, health hazards and preventive measures.



- A clean campus drive was organized by the club. All the members cleaned the college campus as a part of environment awareness.

As decided in the action plan chalked out by IQAC in the beginning of the year, a book fair was organized by the college to spread awareness about the importance of books and to cultivate love of reading habits in the students. The book fair was organized from 23<sup>rd</sup> October 2007 to 25<sup>th</sup> October 2007 in collaboration with Pravin Prakashan Pvt Ltd, a leading publishing house of Gujarat.

M. V. M. Science and Home Science College, Rajkot

Internal Quality Assurance Cell

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Part B

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

We are a women's college and our goals and objectives are spelled out keeping in mind the aspirations and challenges of women of today. We strive to achieve the goals and objectives of the institution through our curricular and co-curricular activities. This year –

- The students took part in a rally organized by Saurashtra University with floats and placards on “Stree Shakti” on 26<sup>th</sup> January, 2008.
- Street plays, lectures and debates were organized in collaboration with various NGOs focusing on women empowerment and awareness.
- The college organized demonstrations, workshops, puppet shows, lectures etc. related to income generating programme for rural women and college girls, health awareness, nutrition awareness, environment education etc.
- The institution, from time to time, organizes lectures and programmes to inculcate scientific spirit in the students.

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

NIL. However various departments of the college are working out details to start new academic programmes in their respective subject and the institution may initiate a few UG and/or PG programmes in a year or so.

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

- Semester system was introduced at UG level in place of annual system in F. Y. B. Sc in all subjects.
- New and revised syllabi were introduced in every subject. Practical training was introduced in English.
- Innovative techniques were incorporated in classroom teaching emphasizing the use of audio-visual tools, classroom seminars, debates, demonstrations, project work, assignments, field work, study tours etc. for and by the students to assure active participation of the students in the classroom. The intention is to reduce the dependence on talk-and chalk method and shift the focus on learning rather than teaching.

- Saurashtra University has prepared a question bank in all the subjects. The faculty members actively participated in the preparation of question bank.
- Film shows on multimedia projector was arranged on Wild Life Animals and Animal Behaviour on 17<sup>th</sup> August 2007 and 24<sup>th</sup> August 2007.

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

NIL

#### 5. Examination reforms implemented:

Practical examination was introduced in English. Project work and participation in classroom activities finds reflection in the result in terms of marks. Unit tests and class tests are organized regularly to ensure round the year preparedness of the students.

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

NIL

#### 7. Initiative towards faculty development programme:

The institution availed computer training to following employees at LCC at its own cost:

No.	Name of the faculty member	Designation
1	Ms. Rohini N. Bhatt	Lecturer in home management

Following faculty members have presented papers at various seminars/workshops/ conferences etc. The institution provides financial assistance to faculty members for participating in seminars/ workshops/ conferences etc.

No.	Name of the faculty	Title of the paper	Conference/ seminar
1	Dr. K. J. Ganatra & Mr. U. C. Bhoya	A Poster Presentation on Study Of Homologous Series Of Azomesogens Containing Lateral Aromatic Branch	National Conference on Liquid Crystals at Physics Department, North Bengal University. Siligudi. Dec. 2007
2	Mr. A. P. Goswami	Assessment Of Fisheries Component Of Fresh Water Reservoir Nyari II Of Rajkot District	SCIXL 2008 at Botany Department, Gujarat University, Ahmedabad. 05/01/2008
3	Ms. Heena S Shah	Effectiveness Of Health Improvement Program For Obesity In Women	National Conference, Pune. 19-20/01/2008

No.	Name of the faculty	Title of the paper	Conference/ seminar
4	Ms. Heena S Shah	Health And Nutrition Issues Concerning Women And Children	National Conference, Pune. 19-20/01/2008
5	Ms. Heena S Shah Ms. Daksha Solanki	Chetna- A Leading NGO	National seminar, MSW Dept, Saurashtra Uni., 27-28/11/2007
6	Ms. Heena S Shah	Mahavidyalaya- Samajik Chetna Nu Kendra	State level seminar, kundaliya college, Rajkot. 12/11/2007
7	Ms. Daksha Solanki	A Study On Bone Density And Hemoglobin Status Of Women	National Conference, Pune. 19-20/01/2008
8	Ms. Daksha Solanki	NGOs – Life	National seminar, MSW Dept, Saurashtra Uni., 27-28/11/2007
9	Ms. Daksha Solanki	NCC Nu Samajik Kshetre Yogdan	State level seminar, kundaliya college, Rajkot. 12/11/2007
10	Ms. V. S. Samani	Navi Shikshan Niti Vishe Thoda Vicharo	State level seminar, kundaliya college, Rajkot. 12/11/2007
11	Ms. V. S. Samani	Uchcha Shikshan ane Technology	State level seminar, kundaliya college, Rajkot. 12/11/2007
12	Ms. V. S. Samani	Uchcha Shaikshanik Sanstha – Ek Videshi Vyaparikaran	State level seminar, kundaliya college, Rajkot. 12/11/2007
13	Ms. V. S. Samani	Aaradhana – At a Glance	National Conference at M S W Dept, Sau. Uni., Rajkot 27-28/10/2007
14	Ms. V. S. Samani	Women Entrepreneurs and Their Physical – Mental Health	Shakti – A National Movement for Women. A National level poster presentation, Pune. 18-19/01/2008
15	Ms. R. S. Dave	Uchcha Shikshan ane Technology	State level seminar, kundaliya college, Rajkot. 12/10/2007
16	Ms. R. S. Dave	Navi Shikshan Niti Vishe Thoda Vicharo	State level seminar, kundaliya college, Rajkot. 12/10/2007
17	Ms. R. S. Dave	Uchcha Shikshan ma Adhyapan Prakriya	State level seminar, kundaliya college, Rajkot. 12/10/2007
18	Ms. R. S. Dave	Women Health Remedies	A National level poster presentation, Pune. 18-19/01/2008
19	Ms. G. N. Mankad	Uchcha Shikshan ma Self-finance	State level seminar, kundaliya college, Rajkot. 12/10/2007
20	Ms. I. K. Tanna	Uchcha Shikshan ane Aarthik Vikas	State level seminar, kundaliya college, Rajkot. 12/10/2007

No.	Name of the faculty	Title of the paper	Conference/ seminar
21	Ms. I. K. Tanna	Vartaman Uchcha Shikshan ane Vyaktitva Vikas	State level seminar, kundaliya college, Rajkot. 12/10/2007
22	Ms. I. K. Tanna	Study on Female Foeticide Affecting Social Health	National Conference, Pune. 19-20/01/2008
23	Ms. N. N. Desai	Vartaman Uchcha Shikshan ane Vyaktitva Vikas	State level seminar, kundaliya college, Rajkot. 12/10/2007
24	Ms. N. N. Desai	A Study on Prevalence Anaemia in Pregnant and Lactating Women in Rajkot.	National Conference, Pune. 19-20/01/2008
25	Ms. D. A. Joshi	Aadivasi Streeo no Shaikshanik Vikas	State level seminar, kundaliya college, Rajkot. 12/10/2007
26	Ms. D. A. Joshi	Uchcha Shikshan ma Self-finance	State level seminar, kundaliya college, Rajkot. 12/10/2007
27	Ms. M. V. Thakkar	Uchch Shaikshanik Sansthao ma Shist	State level seminar, kundaliya college, Rajkot. 12/10/2007
28	Ms. M. V. Thakkar	Women Abusement	National Conference, Pune. 18-19/01/2008
29	Ms. D. N. Oza	Uchcha Shaikshanik Sansthao ma Technology nu Mahatva	State level seminar, kundaliya college, Rajkot. 12/10/2007
30	Ms. D. N. Oza	Psychosomatic Disorders in Working Women	National Conference, Pune. 18-19/01/2008
31	Ms. J. S. Pujara	Prarthana and Stress	National Conference, Pune. 18-19/01/2008
32	Dr. C. M. Thaker	Studies on Nano Structured $L_a P_v M_n O_3$ Manganides Electric and Magnatic Behaviour	Director of Atomic Energy Commission, Mysore, Karnataka from 29 <sup>th</sup> December 2007 to 2 <sup>nd</sup> January 2008
33	Dr. C. M. Thaker	Electric Transport and Magneto Transport Studies on Sol-gel Grown Nano Structured $L_a P_v M_n O_3$ Manganides	International Conference on Nano Science and Technology 2008, Director of Science and Technology, Chennai 27-29/02/2008.
34	Ms. B.P.Khoyani	Sports Women and ACL knee Injury	III International Congress on Sports Medicine, Exercise Science, Physical Education & Yogic Science, Gwalior, 12-15/02/2008.

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

Following workshops were conducted for students:

No.	Name of the workshop	Date	Funding agency
1	Workshop on fabric painting	6 <sup>th</sup> to 10 <sup>th</sup> Aug. 2007	Institution
2	Workshop on Makeup for Professionals	11 <sup>th</sup> to 19 <sup>th</sup> Sept. 2007	Continuing Education, Saurashtra University
3	Workshop on Entrepreneurship	11 <sup>th</sup> January 2008	Institution
4	Workshop on Wealth Creation	11 <sup>th</sup> January	Institution



**Ms. Trupti Jani from Trustyle Hair & Beauty Academy at Workshop on Make-up for Professionals**

### 9. Research projects a) Newly implemented b) Completed:

Following minor research projects have been newly implemented:

No.	Name of the faculty	Title	Funding agency/ Reference no./ date	Amount
1	Dr. J. J. Upadhyay	Studies on Cyanopyridine Derivatives	UGC/16-7-072/07/04/01/2008	75,000/-
2	Ms. Bhavana Vaid	Incidence Of Osteopenia And Osteoporosis In Premenopausal And Postmenopausal Women Of Rajkot City- An Exploratory Study	UGC 23-1-/07	60,000/-

**10. Patents generated, if any:**

NIL

**11. New collaborative research programmes:**

NIL

**12. Research grants received from various agencies:**

No.	Name of the faculty	Title	Funding agency/ Reference no./ date	Amount
1	Dr. J. J. Upadhyay	Studies on Cyanopyridine Derivatives	UGC 16-7-072/07 04/01/2008	75,000/-
2	Ms. Bhavana Vaid	Incidence Of Osteopenia And Osteoporosis In Premenopausal And Postmenopausal Women Of Rajkot City- An Exploratory Study	UGC 23-1-/07	60,000/-

**13. Details of research scholars:**

No.	Name of the faculty	Title	Degree
1	Mr. A. P. Goswami	Ecological Assessment of Various Parameters on Fishery Potential of Reservoirs Nyari-2 of Rajkot District.	Ph. D
2	Ms. C. M. Rajyaguru	Antimicrobial Activity of Synthetic and Biological Organic Compounds	Ph. D.
3	Ms. G. P. Mankad	Incidence of Microbial Infection in Multi-transfused Patients	Ph. D.
4	Ms. V. S. Samani	A Study on Women Entrepreneurs Engaged in Food Processing.	Ph. D.
5	Ms. B. M. Vaid	A study on Nutrient Profile and Sensory Characteristics of Food Cooked by Conventional methods, Microwave Cooking and Solar Cooking.	Ph. D.
6	Ms. D. G. Solanki	Nutritional and Hygienic Assessment of Foods sold by Small Vendors in Rajkot City.	Ph. D.
7	Dr. K. J. Ganatra	Synthesis and Study of Liquid Crystalline Substances	Post Doctoral

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

The citation details of the faculty members work available with us is as below

No.	Name of the faculty	Citation details	Impact factor
1	Dr. K. J. Ganatra	Bhoya U. C. and Doshi A. V. , <i>Liquid Crystals</i> Vol. 31, No. 5 May 2004 “Gset of Molecular Structure on the Face Behaviour of Some Liquid Crystalline Compounds and Their Mixtures	Positive

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

- Dr. C. M. Thaker was awarded “Best Research Award” for his research paper entitled “Studies on Nano Structured  $L_a P_v M_n O_3$  Manganides Electric and Magnatic Behaviour” at national level symposium on solid state physics organized by Director of Atomic Energy Commission at Mysore, Karnataka from 29<sup>th</sup> December 2007 to 2<sup>nd</sup> January 2008.
- Dr. C. M. Thaker was awarded first prize for “Best Research Award” for his research paper named “Electric Transport and Magneto Transport Studies on Sol-gel Grown Nano Structured  $L_a P_v M_n O_3$  Manganides” at International Conference on Nano Science and Technology 2008 organized by Director of Science and Technology at Chennai during 27<sup>th</sup> February 2008 to 29<sup>th</sup> February 2008.

#### 16. Internal resources generated:

Departments have set up departmental libraries from internal resources. However, it is difficult to ascertain the exact amount of internal resources generated since most of these were in the form of help from faculties and alumna and in the form of kind rather than cash. The following books/CDs have been added to the departmental libraries:

No.	Title of the book/CD	Author	Department
1	Principles of Biochemistry	A. Lehninger	Microbiology
2	Immunology	Kuby	Microbiology
3	Principles of Microbiology – I & II	Prescott	Microbiology
4	Medical Dictionary & Microbiology	N. C. Dey	Microbiology
5	Aasans for Endocrinal Deseases (CD)		Food & Nutrition



No.	Title of the book/CD	Author	Department
6	Ma Baap ne Bhulasho Nahin (DVD)		Food & Nutrition
7	Microwave Cookbook	Tarala Dalal	Food & Nutrition
8	The Experimental Study of Foods	Grisswold	Food & Nutrition
9	Ready Reckoner on Fruit and Vegetable Preservation and Nutrition	Food & Nutrition Board, Govt. of India.	Food & Nutrition
10	Shishu tatha Bal Poshan par Rashtriya Margdarshan	Food & Nutrition Board, Govt. of India	Food & Nutrition

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

**18. Community services:**

The institution's goals put emphasis on creating a sense of social responsibility in the students. We strive to make our students sensitive towards the problems and challenges faced by the various sections of the society and especially women. The following list of the activities of the institution amply demonstrates our commitment towards community obligations:

No	NGO/Institution	Activity	Beneficiaries
1	Sadhu Vasvani school, Rajkot and various Anganvadis	Demonstration of low cost recipes	5 <sup>th</sup> & 6 <sup>th</sup> standard students and mothers of anganvadi children
2	Municipal Corporation Schools and Anganvadis	Nutritional Assessment of children. BMI and W/H ratio were measured	Students and employees of the schools and anganvadis
3	Sadhu Vasvani school, Rajkot	Puppet shows and drama on iron deficiency, anemia, balanced diet etc.	Students and employees of the school.

No	NGO/Institution	Activity	Beneficiaries
4	Sneh Nirzar (a mentally challenged children institution)	Demonstration, Exhibition cum Sale of candles made by mentally challenged children	Mentally challenged children
5	Mentally challenged person	Demonstration, Exhibition cum Sale of things made by mentally challenged person- Sunil Jethvani	Mentally challenged children
6	Murlidhar School Bardanvalla School Sadhu Vasvani School Maruti School	Demonstration and workshop on law coast and nutritional recipes, income generating activities such 'best out of waste' candle making etc.	School going girls and teachers of the respective schools
7	Old Age Home	The students spent the day with the inmates of the old age home sharing their problems and giving them company.	Inmates of the Old Age Home
8	Thordi Village	Demonstration and workshop on nutritional recipes, beauty care, women's health, child care	Village women

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

NIL

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

2.3:1 (37:17)

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

NIL

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

New books purchased during the year.

No.	Name of the book	Amount
1	Chemistry: Chang	1730/-
2	Basic Inorganic Chemistry: Cotton	296/-
3	Textbook of Medical Physiology	995/-

No.	Name of the book	Amount
4	Electronic Media: Sony	225/-
5	Media Lekhan our Sampadan Kala: Prasad	650/-
6	Bal Abhivrudhdhi Evam Vikas	475/-
7	Gruhvigyan Shikshan: Kumari	575/-
8	Gruhkarya Prabandh: Snehlata	425/-
9	Interior Design: Chaudhary	550/-
10	Gruhvyavastha Evam Gharelu Budget	550/-
11	Fundamentals of Hospitality: Taneja	595/-
12	Prabandh ke Sidhdhant Evam Vyavahar: Shah	825/-
13	Hospitality Management: Ratti	650/-
14	Home Management: Kaur	600/-
15	Tourism and Hospitality Management: Ratti	600/-
16	Jana Swasthya Evam Parivar Kalyan: Sinh	120/-
17	Food Analysis: Pormeranz	350/-
18	The Chemical Analysis of Food and Food Products	425/-
	Total	8936/-

New journals subscribed during the year:

No.	Name of the Journal	Amount
1	Journal of Chemical Science and Resonance	700/-

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

Student feedback is sought in all subjects and for all faculty members. The students are asked to rate the faculty member into very good, good, fair and poor in terms of their knowledge of the subject, their ability to communicate with the students, the study material they provide, their accessibility, and their overall performance. The statistical analysis is given to the faculty member who then makes changes as deemed suitable.

**24. Unit cost of education:**

Rs. 33045/-

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

All administrative work of the institution is computerized.

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

NIL

**27. Technology upgradation:**

No.	Name of the instrument	Amount	Department
1	Sewing machines (02)	5,800/-	General Home Science
2	Colorimeter	9,880/-	Microbiology
3	Student microscopes (04)	12,900/-	Biology
4	Magnetic compass box Galvanometer Vault meter Digital multimeter Mili vaultmeter Microwave meter Step down transformer Stop watch Spectrometer P N junction diode	23,400/-	Physics
5	Personal scale Refractometer Dial balance Digital weighing machine	10,170/-	Food & Nutrition
6	Vacuum Cleaner Washing Machine	8950/-	Home Management
7	Digital potentiometer	5533/-	Chemistry
8	Audio System(CD player)	5400/-	General Home Science
9	Multimedia projector	From university	College

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

Most of the faculty members are computer literate and use computers and internet for their routine work. However, the institution extends free of cost training to all

employees at LCC (Lakhotiya Computer Center). One computer system is spared for faculties in the staff common room. The institution has a Network Resource Center and students and faculty access internet free of cost.

### 29. Financial aid to students:

Following is the detail of the scholarships given to students as per the government rules:

No.	Scholarship	Beneficiaries	Amount
1	SC/SC/OBC Scholarship	77	1,23, 728/-

### 30. Activities and support from the Alumni Association:

The alumnae cooperate with the institution and activities are arranged with the help and support of the alumnae association. The alumnae association regularly holds meetings and makes suggestions and takes active interest in the development of the college.

The support and cooperation of the alumnae is in terms of sharing expertise and competence with the students. Following is a glimpse of some of the activities:

- This year, our alumna Ms. Apeksha Joshi offered her expertise in a workshop in Fabric Painting by Jaldhara Group from 06-11/08/07. Many alumnae were present in this Fabric Painting workshop.
- Another alumna Ms. Lalita Akbari arranged a workshop of her daughter Ms. Shaily Akbari on Abstract Painting on 26<sup>th</sup> June 2007.
- Members of alumnae association enthusiastically participated in the annual cultural function of the institution.



An alumna (standing) performing in the Annual Function of the college with a faculty member (sitting)

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

NIL

### 32. Health services:

Thalassemia test is conducted in collaboration with LIFE. All the F. Y. B. Sc. Students undergo this test free of cost.

### 33. Performance in sports activities:



Students in action at 8<sup>th</sup> Open Gujarat State Amateur Women's Boxing Tournament held at Indoor Stadium, Rajkot on 19/09/2007

No.	Name of the student	Competition	Level	Achievement
1	Gadhiya Niketa C.	Basketball	Inter University	Participation
2	Panchasara Vandana H.	Basketball	Inter University	Participation
3	Gadhiya Niketa C.	Handball	Inter University	Participation
4	Purohit Heta D.	Cricket	Inter University	Participation
5	Shah Megha P.	Cricket	Inter University	Participation
6	Lunagariya Bhumi D	Weight lifting Power lifting	Inter University	Participation
7	Pandya Krishna M.	Boxing	National	Participation
8	Gohil Harsha R.	Boxing	National	Participation
9	Vachhani Bijal C.	Boxing	National	Participation
10	Pandya Krishna M.	Boxing	State	First
11	Gohil Harsha R.	Boxing	State	First
12	Vachhani Bijal C.	Boxing	State	First
13	Banugariya Darshana R.	Boxing	State	Second

No.	Name of the student	Competition	Level	Achievement
14	Changani Ridhdhi C.	Boxing	State	Second
15	Dave Janki H.	Boxing	State	Second
16	Santoki Jemini D.	Boxing	State	Second
17	Bhut Krupali C	Boxing	State	Third
18	Vekariya Komal	Boxing	State	Third
19	Santoki Jemini D.	Judo	Inter college	Third
20	Sitapara Ila R.	Basketball	Inter University	Substitute

### 34. Incentives to outstanding sportspersons:

Students are encouraged by the institution to participate in sports. The students who participate in sports are given sports track-suits, blazers, shoes etc. The students who participate in sports are felicitated at the end of the academic year in a function with trophies and certificates. The institution bears all the expenditure for their participation in sports competition.

### 35. Student achievements and awards:

Following student shone with outstanding achievement in curricular activities and won prizes and awards.

No.	Name of the student	Examination	Achievement/Award
1	Falguni N. Solanki	T. Y. B. Sc. (Home Science)	Late Shri Anandmani Prize, & Sadguruswami Shri Aniruddh Charandasji Prize, Saurashtra University

**A student receiving shields and certificates from the President of the Management of the Institution at the Annual Prize Distribution Function**



Following students have shown good performance in co-curricular activities and made the institution proud with various prizes and awards:

No.	Name of the student	Competition	Achievement	Level
1	Sheradia Poonam	Kalakruti competition organized by Pidilite Fevicril Co	First	State level
2	Rushika Patt	Oral Presentation at Science Symposium, Rajkot, 06/01/2008	Second	National level
3	Janki Dave	Poster Presentation at Science Symposium, Rajkot, 06/01/2008	Second	National level
4	Heta D Purohit	Poster Presentation at Science Symposium, Rajkot, 06/01/2008	Third	National level
5	Solanki Hetal D.	Bhajan, Youth Festival, Saurashtra University, 29-30/09/07	First	North Zone
6	Group of students	Western Group song, Youth Festival, Saurashtra University, 29-30/09/07	First	North Zone
7	Group of students	Western Group song, Youth Festival, Saurashtra University, 08/10/07	First	University
8	Group of students	Group song, Youth Festival, Saurashtra University, 29-30/09/07	Third	North Zone
9	Group of students	Group song, Youth Festival, Saurashtra University, 08/10/07	Second	University
10	Group of students	Western Group song, Interuniversity Youth Festival, Gwalior	Participation	Inter University
11	Gajera Komal	Republic Day Parade, New Delhi	Participation	National



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

A six member committee was formed for Career Counseling and Development Center. The convener of the committee is Ms. Bhavana Vaid. The CCDC of the college carries out various activities during the academic year providing guidance to the students regarding career opportunities. The CCDC carried out following activities during the academic year 2007-08:

- The committee arranged a guidance lecture for competitive examinations.
- The committee disseminates information on various careers and jobs through notice board throughout the year.
- The CCDC counseled students for recruitments in Thermax India Ltd., Wipro BPO, Central institution of Plastics Eng. and Technology, Ratnam Resources

The CCDC intends to start a placement cell in the college in future. The CCDC also wishes to subscribe to various journals and magazines for career guidance.

### **37. Placement services provided to students:** (details to be given)

During the year the institution was approached by Thermax India Ltd., Wipro BPO, Central institution of Plastics Eng. and Technology, and Ratnam Resources for recruitment. The students were informed about the same. However, no campus interviews were arranged.

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

The institution availed computer training to following employees at LCC at its own cost:

No.	Name of the faculty member	Designation
1	Mr. D. K. Sindhav	Clerk
2	Mr. J. D. Goswami	Clerk

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

We are a girls' college and we go extra mile to put emphasis on paying back to society. We organize special programmes throughout the year to make our students aware about their social responsibilities. We arrange visits to old age homes, institutes for mentally challenged children, orphanages, educationally backward areas and villages so that our students realize the value of the opportunity they have in terms of higher education. We try to make them realize that they do not exist in isolation and that they are a part of the society and environment. It is important for the students to

realize that the society invests its resources in their education and it is their duty to pay the society back.

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

NIL

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

The institution organized following programmes activities during the academic year 2007-08:

- Teacher's Day was celebrated in the college with great enthusiasm.
- A competition was organized on the importance of the Bhagavat Gita.
- A ten day NSS camp was organized at Thordi village during which the girl cadets carried out various activities such as village cleaning, sanitation awareness, tree plantation, tree preservation, polio vaccination, dissemination of information about health, and nutritional food, workshop for village women for various nutritional recipes, lecture and puppet show about child upbringing, and slogan writing.



Inauguration of ten day NSS camp at Thordi village

- A lecture was organized of Prof. Ashok Vyas on “Communicative English.”
- The college celebrated its annual function on 5<sup>th</sup> and 6<sup>th</sup> January 2008. The two day function was full of fun and cultural programmes.
- The college felicitated its students in a function on 9<sup>th</sup> January 2008 for their achievements in various curricular and co-curricular activities.
- A Garba competition was organized on 10<sup>th</sup> October 2008.
- The cultural committee of the college organized ‘Navratri Celebrations’ on 6<sup>th</sup> October 2008.

M. V. M. Science and Home Science College, Rajkot

Internal Quality Assurance Cell

Annual Quality Assurance Report 2007-08

Part C

**Detail the plans of the institution for the next year.**

IQAC, in consultation with the institution has chalked out a plan of the institution for the next year.

**Plan for infrastructure development:**

The institution has the following plan for infrastructure development for the next year. However, some of these may carry over for a couple of years as they are slightly long term programmes. The institution wishes to start the procedure for the following infrastructure developments.

- Library building: The institution needs a separate library building. At present the college library is housed in a large room in the college building itself. The present arrangement is not sufficient in view of the growing needs of the institution. The library needs more space for stacks and more arrangement for reading room. The college plans to build a new library building from UGC grants under the XI<sup>th</sup> Plan.
- Teaching of English has become very important with both the university and the state government giving special emphasis to English language teaching. The latest syllabi of English for all the under graduate classes in science faculty has a portion for spoken English necessitating the use of language laboratory for the effective transaction of syllabi. The department of English has forwarded a proposal through the institution to the state government for setting up a language laboratory in the college. The state government has a scheme for providing financial assistance to the colleges for setting up a language laboratory. We are optimistic about the proposal failing which we shall mull the option of availing financial support from UGC under the XI<sup>th</sup> plan.
- The institution wants to build a well furnished and well equipped seminar hall. We shall seek grant from UGC under the XI<sup>th</sup> plan.

- The institution wishes to update its sports infrastructure. We wish to update and increase our infrastructure facilities.

**Academic Plans:**

The institution has the following plan for academic development during the next academic year:

- The institution wishes to start Post Graduation courses in Chemistry and Microbiology. The proposals are already in the pipeline and a nod from the University is expected soon.
- Next year, we intend to start short term institutional courses on various professional skills such as beauty treatment, fashion designing, tailoring etc.
- The institution wishes to make CCC or CCC+ training compulsory for all employees for computer literacy. The institution may extend assistance in terms of guidance sessions if necessary.
- The institution has plans to organize conference/seminar/symposia with the help of UGC.
- We understand the importance of value education. We shall organize various activities and lectures in collaboration with various NGOs and individuals.
- A lecture series is planned in collaboration with Bureau of Indian Standards to generate awareness about quality parameters and consumer protection.

Community services:

- The institution carries out various community service programmes through its NSS and NCC units.

(Ms. N. G. Upadhyay)  
Coordinator  
Internal Quality Assurance Cell  
M. V. M. Sc. & Home Sc. College  
Rajkot

(Mr. P. D. Kotak)  
Chairperson  
Internal Quality Assurance Cell  
M. V. M. Sc. & Home Sc. College  
Rajkot