

Matushri Virbaima Mahila Science & Home Science College, Rajkot



# Annual Quality Assurance Report

2009-10

Submitted to  
National Assessment and Accreditation Council  
Bangalore

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

(Prin Dr. K. J. Ganatra)  
Chairperson  
Internal Quality Assurance Cell  
M. V. M. Sc. & Home Sc. College  
Rajkot

October 12,2010.

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

Sub: Submission of Annual Quality Assurance Report 2009-2010.

Dear Sir,

We hereby forward our Annual Quality Assurance Report 2009-2010 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,

Principal  
(Dr. K. J. Ganatra)

From the principal...

It is indeed a matter of great satisfaction that the third annual report of the IQAC is now ready to be sent to NAAC. We went in for NAAC accreditation in 2006 under the guidance of In-Charge Prin. P. D. Kotak. I was the coordinator for NAAC accreditation. It's been three years since then and I feel satisfied that the exercise for quality enhancement and sustenance that started then has flourished into its full efflorescence.

We are entering into the fourth year of post accreditation period. This year is important as it signals the moment to gear up for reaccreditation. I am sure with our present performance, we would come out with flying colours in the reaccreditation process. The plan of action chalked out by IQAC in consultation with all the stake holders will prepare us for the reaccreditation process to happen after two years.

I take this opportunity to congratulate all the faculty members, administrative staff, management of the college, alumnae, and students for their constant efforts to augment our academic performance. IQAC coordinator Ms. Neela Pandya and her team of IQAC members truly deserve sincere accolades for their relentless efforts and genuine concern for quality enhancement and sustenance. The present AQAR bears testimony to their vision and missionary zeal and also faith and support of all the faculty members and students.

Prin. Dr. K. J. Ganatra

Chairman

Internal Quality Assurance cell

M. V. M. Science & Home Science College

Rajkot.

From the coordinator...

This Annual Quality Assurance Report is prepared as per the format suggested by NAAC. The AQAR is a significant document for the institution as it not just documents the activities and achievements of the institution but it also chalks out a prospective planning for the institution.

The academic year 2009-10 has been very fulfilling for the institution in terms of academic accomplishment and co-curricular achievements. The college campus was abuzz with national workshop, student competitions, cultural activities, scholarly lectures, and various camps. All the hum and hub bub of action is a manifestation of our determination to realize our vision and fulfill our mission.

IQAC has an ever increasing role to play in the present higher education scenario. Higher education in India is experiencing a sea change in recent years. Globalization has opened up our doors for foreign universities and institutions. The domestic HEIs have to gear up not only to meet the challenges from their foreign counterparts but also to prove themselves worthy of the expectations of the resurgent nation and her burgeoning needs. We, at IQAC, have always been concerned about shaping our students for future challenges and opportunities before them.

As coordinator of IQAC, I think it is time for me thank my co-members in IQAC for their kind support and cooperation. I also express my sense of gratitude to the principal, Dr. K. J. Ganatra, for his unconditional support to IQAC without which IQAC would be a soulless skeleton. I thank the members of the management for their support and cooperation. I gratefully remember that IQAC has been able to do well because of the enthusiastic response of the faculty members who are the life and blood of any educational institution.

With the prayer to the almighty to lead us to the light of knowledge 'तमसो मा ज्योतिर्गमयः', I conclude.

Neela K Pandya

Coordinator

Internal Quality Assurance Cell

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

Rajkot.

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

Internal Quality Assurance Cell

Annual Quality Assurance Report 2009-10

Part A

The academic year 2009-10 is the third year after the accreditation of the institution. IQAC of the college was formed before two years. It has completed two years and has proved to be an important mechanism to monitor and encourage quality initiative in the college. It was a satisfactory experience for IQAC as the year progressed in much the same way as it was planned.

The members of the IQAC have worked in consultation with the faculty members of management of the college to achieve more and improve upon our performance. Principal Dr. K. J. Ganatra has been a positive influence in the effective functioning of the IQAC.

No.	Name	Designation	Representation
1	Dr. K J Ganatra	Chairman	Principal
2	Prof. K K Khakhkhar	Member	Management
3	Ms. Sulabhaven W Desai	Member	Faculty (Microbiology)
4	Mr. P. D. Kotak	Member	Faculty (Physics)
5	Ms. Diptiben M Oza	Member	Faculty (Home Mgmt)
6	Ms. Bhavana Vaid	Member	Faculty (Food & Nutrition)
7	Ms. Gira M Mankad	Member	Faculty (Gen. Science)
8	Dr. C M Thaker	Member	Faculty (Physics)
9	Ms. Neela K. Pandya	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

IQAC of the college regularly holds meetings, takes stock of the academic and co-curricular activities of the college, gathers feedback in informal manner and provides help and guidance to the departments of the college in quality enhancement. IQAC works as a useful link between various stake holders and facilitates the smooth functioning of the activities of the college.

## **The plan of action chalked out by the IQAC and its outcome at the end of the year:**

IQAC has chalked out a plan of action for the institution for the academic year 2009-10. The details are as follows:

### **❖ 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.**

The institution has started work on the proposal. The management has assigned work to architect to draw a plan for the same.

- **Setting up a language lab in the college**

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.**

The institution has started work on the proposal. The management has assigned work to architect to draw a plan for the same.

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

A proposal to set up a gym and training facility in the college has been forwarded to the UGC.

❖ **Academic Plans:**

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

- **The institution has forwarded a proposal to the University for starting B. Sc. in Biotechnology. The proposal is already in the pipeline and a nod from the University is expected soon.**

The institution has not received any positive answer from the university so far.

- **Next year, we intend to start bridge courses on various professional skills such as Food Preservation, Canning & Bottling etc.**

We organized workshops and lectures as a suitable substitute to bridge course. The details of the same are in Part B Para 8.

- **The institution will organize a three day workshop on “Curriculum Development in Nanotechnology and Science” with UGC grants.**

The national workshop was organized and had a grand success. Participants from across the country participated in it.

- **We understand the importance of value education. We shall organize various activities and lectures in collaboration with various NGOs and individuals.**

Various departments of the college organize lectures, demonstrations, fieldwork tours, camps such as bone density check-up camp, check-up camps for women health, exhibition-cum-sale, income generating programmes, creativity workshop, art workshop, various competitions, as part of extension and curricular activities.

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

Internal Quality Assurance Cell

Annual Quality Assurance Report 2009-10

Part B

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

The goals and objectives of the institution 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.

Following activities were carried out by the institution which reflect the goals and objectives of the institution.

- Students paper presentation, poster presentation and participation at various state level and national level seminars and conferences.
- Industry visits to Morbi in ceramic unit, study visit to Marine National Park, Poultry farm, Nyari filter plant, old and disabled people's shelter, physically challenged children's school, Andh Mahila Vikas Gruh, Red Cross Blood Bank, hospitals, self help groups, working women's hospital, art gallery.
- Participation in various rallies for HIV AIDS awareness, Swine Flu awareness.
- Various lectures of scholars on various topics.
- Workshops on food adulteration, food preservation, and bakery items.
- Awareness programmes such as removal of poverty, Income Generating programmes in rural area.
- Various awareness programmes by demonstration, workshop, puppet show, street plays & visits of NGOs & Anganwadis.
- Exhibition cum sale – Clothing and Textile, eco-friendly products



- Various programmes were carried out for human development such as visits to Play House & Day Care Centres, to prepare creative arts for children, toys making from different materials, to prepare different educational aids for story telling methods.
- CAREER COUNSELING AND DEVELOPMENT CENTRE (CCDC) of the college organizes various lectures, programmes, coaching classes, and awareness generating drives for career opportunities available to students.
- Nature club of the college organizes various programmes such as College Campus Clearing, Tree and Pot Plantation, Presentation on Hospital Waste Management, Bird Watching, film shows on global warming, environment degradation, eco-friendly life-styles etc to create awareness among the students about their environment and to sensitize them to their role in preserving their environment.

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

**NIL**

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

Semester system was introduced in the second year of Home Science course and the Faculty members contributed in the planning of Syllabi for T.Y.B. Sc. Home Science. Science faculty already has a semester system introduced from academic year 2007-08. So this year semester V and VI were introduced in science faculty.

Department of Physics of the college organized a UGC sponsored National Level Workshop on "Nanotechnology and Nanoscience: A Curriculum Development Approach" on February 21, 2010. Scholars and teachers participated from across the country and a curriculum has been framed and forwarded to the Government of Gujarat.

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

**NIL**

**5. Examination reforms implemented:**

Practical examination (viva voce) and Project work was introduced in English in the third year. In other subjects, examinations are conducted as per university guidelines. However, unit tests and class tests and terminal and Preliminary examinations are organized regularly to ensure round the year preparedness of the students by the institution.

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

**NIL**

## 7. Initiative towards faculty development programme:

The institution sent Ms. Nilam R. Buddhadev, a faculty member, for computer training at Lakhotiya Computer Center, Rajkot.

- The institution also encourages participation of the faculty in seminars, workshops, symposia, conferences and educational camps.

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

- A UGC sponsored National level Workshop entitled “**Nanoscience and Nanotechnology: A Curriculam approach**” was organized by the college on February 21,2010 was organized by the Department of Physics of the institution .248 participants were registered from across the nation.



- The Geet Sangeet Nritya dhara of the college organized eight training workshops of 1.5 hours each from 1<sup>st</sup> Aug. to 13<sup>th</sup> Aug. 2009. 150 students participated in it.



- Two days workshop was organized on Glass and Pot Painting under Rang Kala Kaushlya Dhara on 23 and 24<sup>th</sup> Sept. 2009.

- A one month “**Martial Art Camp**” was organized by the college as a part of ‘Vyayam, Yoga, Khel-kud Dhara’ under Swarnim Gujarat from 21-07-2009 to 21-08-2009. The students were trained in Karate, Judo, Kung Fu, and wrestling.
- A seminar on CAT and GCat examination was organized by the CCDC of the college for the final year students in collaboration with TIME (Triumphant Institute of Management ). 190 students participated in the seminar.
- A seminar on Preventive Health Care was organized by the IQAC of the institution in collaboration with the Waktheart Hospital on 30.7.2009. All the students and the members of the staff actively participated in the seminar.
- The students of foods and Nutrition organized a workshop on ‘Best out of waste” at Baradanwala School and Kotecha School in Rajkot on 2<sup>nd</sup> and 3<sup>rd</sup> Sept., 2009. Participants from the schools were about 900.
- A workshop on Jewelry Design was organized under Income Generating Programme. Shri Vimalbhai Mehta from Center for Jewelry Design demonstrated various designs through multimedia.101 students participated.
- A workshop on Canning and Bottling was organized at the college under income Generating Programme from 16<sup>th</sup> to 24<sup>th</sup> Dec. 2009. 44 students participated.

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

- Dr. J. J. Upadhyay’s post-doctoral research project funded by UGC on ‘Synthesis and Study of Liquid Crystalline Substances’ is in progress.
- A UGC sponsored Minor Research Project on “Incidence of Osteopenia and Osteoporosis in Premanopausal and Post-manopausal Women of Rajkot City – An Exploratory Study” by Dr. Bhavna Vaid is in progress

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

NIL

#### **11. New collaborative research programmes:**

NIL

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

NIL

### 13. Details of Research Scholars

Following faculty members are pursuing their doctoral/post-doctoral research work.

No.	Name of the faculty	Title	Degree	Status
1	Mr. A. P. Goswami	Ecological Assessment of Various Parameters on Fishery Potential of Reservoirs Nyari-2 of Rajkot District.	Ph. D.	Thesis submitted
2	Ms. B.P. Khoyani	Origin and Development of Cricket in Historical Perspective of Saurashtra	Ph. D.	In progress
3	Ms. G. P. Mankad	Incidence of Microbial Infection in Multi-transfused Patients	Ph. D.	Thesis submitted
4	Ms. V. S. Samani	A Study on Women Entrepreneurs Engaged in Food Processing. –Thesis submitted	Ph. D.	In Progress
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.	Completed
6	Ms. D. G. Solanki	Nutritional and Hygienic Assessment of Foods sold by Small Vendors in Rajkot City.	Ph. D.	Thesis submitted
7	Dr. K. J. Ganatra	Synthesis and Study of Liquid Crystalline Substances	Post Doctoral	Completed

Following research papers of the faculties were published.

No.	Name of the faculty	Title of the paper	Journal
1	Dr. Bhavna Vaid	Processing Effect On Nutritional Quality Of Sweet Corn (Zea Mays)	Indian Journal of Nutrition and Dietetics, January 2010 issue
2	Dr. Bhavna Vaid	Effect Of Conventional, Microwave And Solar Processing On Vitamin C Content And Bacterial Load Of Some Foods	Asian Journal of Home Science, June 2010 issue
3	Ms. Nilam R. Buddhadev	Numerical Score of Bacterial Load of Some Foods of Sprouted Soya Bean Bhel	Asian Journal of Home Science, June 2010 issue

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

- Dr. Kalpana G. Vyas
  - Planta Daninha - Multispecies weed **competition** and their economic ... by J Gherekhloo – 15 Jun 2010 ... BHASKAR, A.; Vyas K G. Studies on competition between wheat and *Chenopodium album* L. Weed Res., v. 26, n. 1, p. 53-58, 1988.  
[ Links [www.scielo.br/scielo.php?script=sci\\_arttext&pid=S0100...](http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0100...) - **Cached**
- Dr. C. M. Thaker
  - The citation index has been made of Dr. C. M. Thaker under new and recent subject CMR namely "colossal magneto resistance" the citation name under "introduction to cmr materials" it has high impact factor ~4, to ~5

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

Ms. Neelamben R. Buddhdev was nominated as member of Executive Council of the 'Asian Journal of Home Science', a publication of Hind-Horticultural Society, Muzaffarnagar (U.P) on 11<sup>th</sup> March 2010.

#### 16. Internal resources generated:

The college generated following resources during the year by way of sponsorship and registration fees of the state level seminar organized by the college.

No.	Details	Amount
1	Sponsorship	48,000/-
2	Registration fees	59,200/-
	Total	1,07,200/-

#### 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	Rotary Club of Rajkot and Voluntary Blood Bank	Blood Donation Camp	Society at large
2	Kotacha School and Bardanwala School	Puppet show and awareness about nutritional value of food and demonstration of various recipe, best out of west	Students and teachers higher secondary class
3	NCC unit of the college	Anti drugs street play in slum areas	Slum dwellers of Rajkot
4	Saurashtra unibersity	Spreading awareness in public about prevention of swine flu through pamphlets, personal counseling and public rally.	Public

The college has an NCC unit and an NSS unit. The units carry out various activities throughout the year independently as well as in collaboration of various state agencies and NGOs. The details of the activities of the units are as follows:

- The students carried out “Campus Cleaning Drive” on June 28, 2009 and September 06, 2009 as “Shramyajna”.
- Tree plantation was carried out on July 05 and July 12 in the campus.
- A one day camp “Yuva Asmita Samaroh” of Saurashtra University was held in the auditorium of the college on September 11, 2009 in which Programme Officers and volunteers from all the colleges of Saurashtra University participated.
- NSS volunteers and NCC cadets took up an awareness drive to spread awareness about the prevention and treatment of Swine Flu when the epidemic was very wide spread. They visited schools, bazaars, homes, public places and distributed pamphlets.



- NCC cadets performed anti drug street play at various slum areas to spread awareness about the hazards of drugs on September 12, 2009.

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

NIL

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

2.2:1 (33:15)

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

NIL

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

New books purchased during the year.

SR.No.	Acc.no	Title of the book	Author	Price
1	58	Experimental organic chemistry	Harwood L.M.	3960.00
2	59	Enviormental microbiology	R.M.mailer	4085.00
3	60	Introduction to Bioinformation	Arthor Lest	335.00
4	61	Introduction to Informatic	Teresa Atwood	235.00
5	62	Advanced organic chemistry	Jerry March.	519.00
6	63	Basic Computing with window xp	P.K.mcbridge	930.45
7	64	Instant Notes:Physical chemistry	A.G. Witeker	195.00
8	65	Instant Notes: Physical Chemistry	A.G.Witeker	195.00
9	66	Nenotechnology : fundaments. Application	Mansi kerkar	175.00
10	67	Presentation with Powerpoint	Moira stephen	930.45
11	68	Word Processing with word	Keith Brindley	930.45
12	69	Spectroscopy	Pavia Donald	425.00
13	70	Name and reaction inorganic chemistry	Arun Parikh	395.00
14	71	Instumental methods of chemical analysis	Gurdeep Chatwal	340.00
15	72	Organic chemistry	Francis carey	495.00
16	73	Stereochemistry of organic compound	Earnest eley	569.00
17	74	Organic synthesis :disconnection approach	Warren Stayrt	319.00
18	75	Laboratory tech. in organic chemistry	V.K.Ahulwalia	195.00
19	76	Textbook of organic pharmaceutical chemistry	John Black	3270.00

New journals subscribed during the year:

No.	Name of the Journal	Amount
1	Science and Technology	875/-
2	Journal of Food Science and Technology	1120/-
3	Indian Journal of Nutrition and Dietetics	750/-
4	Journal of Chemical Science	300/-
5	Resonance	400/-

The college also subscribed for scientific and career magazines.

1	Science Reporter	150/-
2	University News	700/-
3	Competition Success Review	540/-

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

Student feedback is taken through a questionnaire from the final year students of the college at the end of the year. The questionnaire contains a variety of multiple choice and open-ended questions. Students' identity is not revealed. A statistical and qualitative analysis of the feedback is prepared and teachers are accordingly informed about it.

In addition to this, a self appraisal form is also given to teachers which helps them design their future transaction of curriculum and classroom activity.

**24. Unit cost of education:**

$$20436224 / 549 = 37224.45$$

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

All administrative work of the institution is semi- computerized.

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

The institution has renovated the toilet facility for students and staff.

**27. Technology upgradation:**

The institution has upgraded its network resource center with more computers, furniture, DTH facility, printers and LAN.



Following instruments have been purchased by various departments.

No.	Equipment	Quantity	Department
1	Microscope	1	Biology
2	Polarimeter	1	Chemistry
3	Refractometer	1	Chemistry
4	Balance	1	Chemistry
5	Genei kits		Micro Biology

### **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) whenever there is a demand from the staff. The institution has upgraded its Network Resource Center and students and faculty access internet free of cost and use computers available there.

### **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 Scholarship	16	41,620/-
2	ST	1	2678/-
3	OBC	67	1,09,766/-
Total			1,54,064/-

### **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 for the year:

- Members of alumnae association enthusiastically participated in the annual cultural function of the institution.
- An Alumna of the college and also member of the IQAC of the college organizes an elocution competition every year on “Shrimad Bhagvat Geeta” on the day of “Geeta Jayanti”
- An Alumna of the college, Apexa Joshi taught painting to students for income generating skill.

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

NIL

### **32. Health services :**

Blood Donation Camp was organized by the college in collaboration with Rotary Club of Rajkot (Midtown) and Voluntary Blood Bank of Rajkot on July 1, 2009. Sixty unit blood was collected. Fifty eighty students donated blood.

- A seminar on Preventive Health Care was organized by the IQAC of the institution in collaboration with the Wakheart Hospital on 30.7.2009. The doctors talked about breast cancer, gynecological problems, and general gynecological hygiene which was followed by a question-answer session. All the students and the members of the staff actively participated in the seminar.
- Nephrologist Dr. Sanjay Pandya delivered lectures on symptoms, preventive measures and treatment of kidney diseases on January 15 and 16 2010. As a follow up exercise students visited his hospital to study the procedure of dialysis of the kidney patients.
- A Thalassemia awareness and test camp was organized by the college in collaboration with Red Cross, Rajkot and Indian Red Cross Society, Ahmedabad on September 9, 2009.
- Bone Health Check-up Camp was organized for the staff and students of final year on August 21 and 22. Students were counseled about dietary modification to improve bone health.
- Dental Check-up Camp was organized by the HM department under IQAC of the college on November 26 and 27, 2009. The programme included a question- answer session and a talk on general hygiene.
- Lecture on Colour Therapy by Smt. Bhaktibem Pilojpara on 25/7/08

### **33. Performance in sports activities:**

- The college won the title of General Champion in Gujarat State Amateur Boxing Competition in 2009 and Gujarat State Wrestling Trial for Senior Men and Women in 2009.
- Ms. Vijaya Modhavadia got a certificate from Himachal Pradesh for participation in Manali Tracking camp organized by Saurashtra University

The following students have participated in various competitions

**Inter University**

No	Name	Division	Games	Place
01	Ghadhiya Niketa B.	M.Sci.H.Sci.	Basket Ball	M.G.Uni. Kottaya
02	Thummar Nita R.	F.Y.B.Sci.	Basket Ball	M.G.Uni. Kottaya
03	.Sankdiya Gulab P.	F.Y.B.Sc. H.	Hand Ball	Gantur (vijay Vada)
04	Sarvaiya Dixita A.	F.Y.B.Sc.	Hockey	Givaji Uni.(Gwalior)
05	Judasiya Punam D.	T.Y.B.Sc. H	Cricket	Kalikat Uni.(Kalikat)
06	Dadhaniya Dhara L.	F.Y.B.Sc. H.	Soft ball	Amrutsar (kalikat)

**Nationl Boxing Competition**

No	Name	Division	Place
07	Basida Priynka A.	F.Y.B.Sc. H.	S.P.S.B. Jamsedpur (Tata Nagar)
08	Solanki Tejal J.	S.Y.B.Sc. H.	S.P.S.B. Jamsedpur (Tata Nagar)
09	Japadiya Chandni R.	S.Y.B.Sc.	S.P.S.B. Jamsedpur (Tata Nagar)
10	Vaja Dixita M.	S.Y.B.Sc.	S.P.S.B. Jamsedpur (Tata Nagar)

**Total Participatents ....10**

**Inter College Turnament**

No	Games	Total of Par.	Name of Place
01	Judo Competition	Nine	R.R.Patel Mahila College Rajkot.
02	Soft ball	Sixtin	S.E.T. Mahila College Junagadha.
03	Basket ball	Twelve	G.H.Gosarani College Jamnagar.
04	Hend ball	Twelve	P.D.Malaviya Comm. College Rajkot.
05	Hockey	Twelve	M.V.M. Arts & Coumptur College Rajkot.
06	Cricket	Sixtin	M.V.M. Arts & Coumptur College Rajkot.
07	Boxing State Competition (General Championship)	Seven	`Khokhara Indoor Stadium`, Maninagar, Ahemdabad.
08	Wrestleing State Competition (General Championship)	Nine	`Wrestleing Holl` Mahatma Gandhi Vidhya Mandir, Gimakhana, Gandhinagar.

**Total Participatents ....93**

No	Name	Level	Games	Place
01	Santoki Jemini D.	Inter university	Hockey	Banasthali
02	Ghadhiya Niketa B.	Inter university	Cricket	Tamilnadu
03	Khandheriya Bhavika M.	Inter university	Cricket	Tamilnadu
04	Judasiya Punam D.	Inter university	Cricket	Tamilnadu
05	Japadiya Chandani R.	Inter university	Cricket	Tamilnadu
06	Varsani Shailendri V.	Inter university	Basket Ball	Amravati Univesity
07	Bumtariya Jalpa V.	National	Tenni Koit	Kerala
08	Panchasara Vandna H	Ranji	Cricket	Pune

Thirty eight students have participated in various inter college sports competitions:

No	Sports	Total participants	Place
01	Chess	Two	Shri P.D. Malviya College, Rajkot
02	Soft Ball	Fourteen	Shri P.D. Malviya College, Rajkot
03	Cricket	Sixteen	M.V.M. Arts & Compu. College, Rajkot
04	Basket Ball	One	Shri G.H. Gosar Gosarani College, Jamnagar
05	Judo	Five	M.V.M.. Sci. & H.Sci. college, Rajkot

#### **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 and co-curricular activities and won prizes and awards.

##### **Curricular**

- Ms. Heta Purohit, Ms. Mital Daka, Ms. Chandni Sanja, and Ms. Ankita Rajjada stood first in Inter Collegiate Poster Presentation in Recent Advances In Chemistry held at Christ College, Rajkot on September 09, 2009. The topic of their poster was “Anabolic Steroids: Use, Abuse and Chemistry”
- Ms. Shivani Shahi and Ms. Riddhi Langa stood third in Inter Collegiate Poster Presentation in Recent Advances In Chemistry held at Christ College, Rajkot on September 09, 2009. The topic of their poster was “Dicer Molecules”
- Seventy students participated in essay competition organized by Environment Conservation Organization. Five students got “B” grade in the competition. The names of the students are Ms. Shruti Saija, Ms. Chintal Kalariya, Ms. Sneha Kalariya, Ms. Jignasa Patel, Ms. Jinkal Patel.
- Saurashtra University runs a quiz programme for the students of all the colleges of the university on Doordarshan. Ms. Chandni Sanja and Ms. Hiraldevi Jadeja participated in this quiz competition and stood second in the competition.
- Ms. Mausami Nandha stood first, Ms. Chandni Sanja stood second and Ms. Upma Patoliya stood third in quiz held by college under “Gyan Dhara”.

- Ms. Dipika Gosai stood third at cluster level in essay competition held under Gyan Dhara – a programme of the Government of Gujarat for celebrating the fifty years of Gujarat’s formation.

Following students participated in various curricular competitions:

- Twenty students participated in Inter Collegiate Poster Presentation Competition in Recent Advances In Chemistry held at Christ College, Rajkot on September 3, 2009.
- Four students participated in “Science Perfection – 2009” held by Saurashtra University at Christ College, Rajkot on October 12, 2009.
- Twenty two students presented posters at UGC sponsored state level conference on “Green Chemistry: Challenges and Solutions” at M. N. Virani Science College, Rajkot on December 19, 2009.
- Four students presented posters at UGC sponsored National Conference on Current Trends in Microbiological Sciences” at M. G. Science Institute, Ahmedabad on January 23 to 24, 2010.
- Two students presented posters at UGC sponsored National Conference on Home De’Cor at Shrimati J. P. Shrof Arts College, Valsad on January 24 to 25, 2010.
- Four students presented posters at UGC sponsored National Conference on Home Science in Social Well Being organized by Smt. S. B. Gardi Institute of Home Science, Saurashtra University, Rajkot on February 07. 2010.

#### **Co-curricular**

- Ms. Pandya Krishna Markandbhai the student of B.Sc Chemistry achieved the **“Sardar Patel Award”** from Gujarat government for achieving 1<sup>st</sup> rank in Gujarat state Amateur Boxing Competition.
- Students participated in 18 competitions in 40<sup>th</sup> Youth Festival (North Zone) of Saurashtra University held on October 2 to 3, 2009 at Smt. S. J. Vermora Mahila College, Vadhan.
  1. College secured first position in group dance for “Chirmi” dance
  2. Ms. Kailash Ajudiya secured second position in clay modeling.
  3. College stood at third position in mime
  4. College secured third position in western song.

- Winners of 40<sup>th</sup> Youth Festival (North Zone) of Saurashtra University participated in inter zone youth festival at Joshipura Mahila Arts & Commerce College, Junagadh on October 10, 2009.

1. Ms. Kailash Ajudiya secured first position in clay modeling.

2. College secured first position in group dance for “Chirmi” dance

- A group of students secured second position in Mime at district level competition and third position at Saurashtra Cluster competition under “Swarnim Gujarat”.
- The college organized a competition for Handicraft and hobby, painting, Rangoli making, Collage and clay modeling. The following are the winners:

No.	Competition	Name of the student	Position
1.	Handi craft	Ms. Nirali Thummer	First
		Ms. Shital Chauhan	Second
		Ms. Dhara Dhrangadhariya	Third
2	Painting	Ms. Swati Kalavadiya	First
		Ms. Kesha Kalola	Second
		Ms. Prapti Patel	Third
3	Rangoli making	Ms. Neha Pitroda	First
		Ms. Grishma Pambhar	Second
		Ms. Urvashi Solanki	Third
4	Creative craft	Ms. Komal Vekariya	First
		Ms. Dipali Dhrangadhariya	Second
5	Collage	Ms. Rina Parmar	First
6	Clay modeling	Ms. Kailash Ajudiya	First

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

- The CAREER COUNSELING AND DEVELOPMENT CENTRE (CCDC) organized a seminar on “Preparing CAT and GCET examination” on June 26, 2009 for the final

year students of the college. Mr. Hiren Desai, centre director of Triumphant Institute of Management Education addressed the students.

- Students were counseled for “Van Raksha Sahayak” and “Vanpal Sahayak” interview following the recruiting advertisement of the government.
- Dr. R. B. Zala, Coordinator, CCDC, Saurashtra University gave a powerpoint presentation on “Preparing for UPSC examination” on July 17, 2009.
- Saurashtra University Competitive Examination Awareness Test (SUCEAT) was organized on August 20, 2009. Two hundred fifty seven students took the test of which ninety five received merit certificate for securing 50% and above.

### 37. Placement services provided to students:

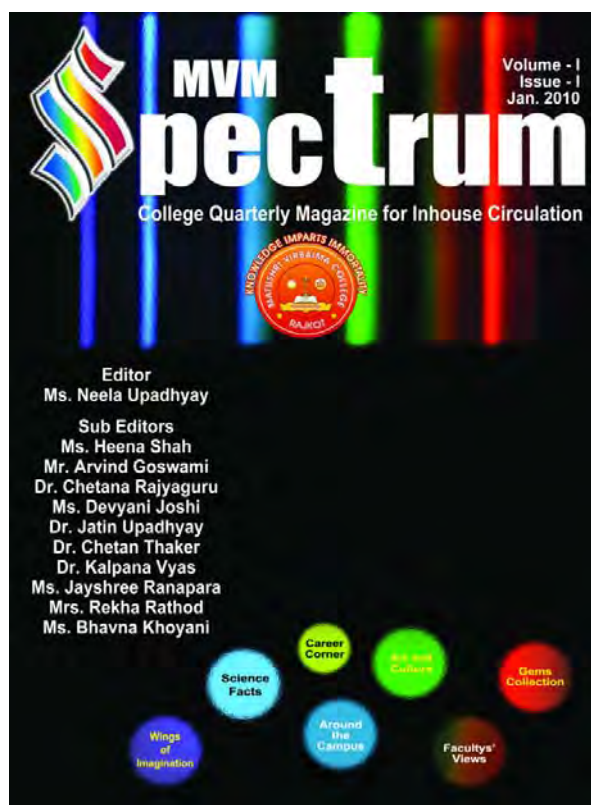
Twelve students appeared at the campus interview organized by Infosys for the job of BPO at Christ College on March 2, 2010.

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

NIL

### 39. Best practices of the institution:

- College has started its magazine “Spectrum” – a quarterly magazine for in-house circulation.



- College organizes various lectures on value education

- College reimburses the various fees and registrations charges for students who participate in various seminars and conferences.
- The institution felicitates the best teachers and administrative staff including peons with a medal and a memento.
- The institution extends a farewell to retiring staff giving them a memento.
- Students are given medals and mementos in a prize distribution ceremony for excellence in curricular activity.
- The institution organizes various programmes for the community which enable the weaker sections of the society, especially women, in generating income. Other programmes include health awareness camps.
- The institution organizes a lecture every fortnight of various scholars and thinkers. The following lectures were held this year:
  - “Duties of Extension Activist” by Nileshwariben Joshi.
  - “Career as Dietitian” by Amishi Dave.
  - “Food Adulteration” by the president, Lok Vigyan Kendra Dr. Ramesh Bhayani.
  - “Prevention and Treatment of Kidney Diseases” by Nephrologist.
  - “Women Right and Children Rights” by advocate Mr. Tarak Samvat.
  - “Body Language” by Dr. Anil Ambasana.
  - “Public Speaking” by Dr. Anil Ambasana.
- Students are oriented to various professions and career avenues in the beginning of the academic year by the renowned institutions and organizations of the city. These include computer and related professions, teacher education, language training, etc.
- Students are given subsidized subscription to Indian Express in collaboration with Indian Express.
- Organization of book fair for the students.

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.

Nature Club Activities:

No.	Event	Date	Remarks
1.	College Campus Clearing – Shramyajna”	26/06/09	Students were made aware about cleanliness of Surroundings.
2.	Tree Plantation and Collection of ‘No Biodegradable Material’ and Compost Making	05/07/09	Awareness about tree plantation making the Campus green.
3.	Campus Cleaning and Pot Plantation	06/07/09	Awareness about tree plantation making the Campus green.
4.	Compost Making	12/07/09	Students were made aware about green farming
5.	Bird Watching		
6.	Global Warming Show	20/1/09	A Film Show on impact of Global warming was organized.

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

- Biology department of the college signed a Memorandum of Understanding (M.O.U.) with Bahauddin science college, Junagadh, M. M. Science college Morbi, Christ College, Rajkot for faculty exchange from February 09, 2006.
- The institution has an MoU with Christ College, Rajkot for library services

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

M.V.M. Science and Home Science College in the year 2009-10 maintained rich tradition of blending various cultural activities along with academic schedule.

Following events were carried out during the year:

- The academic year began with a function to welcome new entrants of the college - first year students on 15.6.09 in college auditorium. The faculty members welcomed the students and oriented them about the vision and mission of the college.
- As part of the tradition to celebrate the function of Navratri, an inter-class Garba competition was organized on 18.09.09. In all 09 teams participated with great

enthusiasm and traditional fanfare. Ms. Jui Mankad, Ms. Pallavi Vyas and Ms. Hina Raval gave their services as judges. Winners were:

- T.Y.BSc.(Gen. Home Sc. ) : First Prize
- S.Y BSc. : Second Prize
- S.Y. (Home science) : Third Prize

- Teacher's Day was celebrated in the college with great enthusiasm. Students participated in the celebration with great enthusiasm and took up the duties of teachers, administrative staff, and peons.
  - Talent Show / Annual Function: In order to give stage to the budding talents of our college, annual cultural function was organized in collaboration with M. V. M. Arts College, M. V. M. Computer and Commerce College on a grand scale on 4<sup>th</sup> and 5<sup>th</sup> February 2010. Mr.V. K Thakkar, Principal, Rajkumar College, Rajkot and four members of a French school Gymnse Jean Sturm, Stravourg, France were honorable chief guests. President, secretary and other members of Shri Jalaram Uchh Kelavani Mandal Trust were present to grace the occasion.
  - The college sent a float on "Tarnetar Fair" a famous folk fair of Gujarat in the Republic Day celebrations of the university. The float was adjudged third by the university.
  - The students participated in Swarnim Gujarat Marathon Run organized by the Municipal Corporation of Rajkot.
  - The college celebrated "Sashasta Sena Divas" on December 12, 2009. and raised fund and sent it the Army.
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M. V. M. Science and Home Science College, Rajkot

Internal Quality Assurance Cell

Annual Quality Assurance Report 2009-10

Part C

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

IQAC has chalked out a plan of action for the institution for the academic year 2010-11. The details are as follows:

❖ **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.
- 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 present Network Resource Center is still in the process of upgradation and will be used as language laboratory.
- The institution wants to build a well furnished and well equipped seminar hall.
- Two class room will be equipped with multimedia projectors.
- The institution wants to build its own website.
- 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:

- Next year, we intend to start bridge courses on various professional skills such as Food Preservation, Canning & Bottling etc.
- The institution will organize a one day workshop on “Chordate Classification: Chordate Fauna” with Gujcost grant.
- We understand the importance of value education. We shall organize various activities and lectures in collaboration with various NGOs and individuals.
- Various departments of the college organize lectures, demonstrations, fieldwork tours, camps such as bone density check-up camp, check-up camps for women health, exhibition-cum-sale, income generating programmes, creativity workshop, art workshop, various competitions, as part of extension and curricular activities. All the activities according to Saurashtra University Educational & Sports calendar and given by the Gujarat Government under Swarnim Gujarat will be organized.
- A book fair will be organized in the college.
- All the departments will form study circle
- CCDC of the college shall organize a workshop on personality development and a workshop on interview skills.
- A dental check up camp will be organized in the college.

(Ms. N. G. Upadhyay)  
Coordinator  
Internal Quality Assurance Cell  
M. V. M. Sc. & Home Sc. College  
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(Dr. K. J. Ganatra)  
Chairperson  
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