

**The Annual Quality Assurance Report**  
**[AQAR]**  
**Of The**  
**IQAC**  
**[Year: 2010-2011]**



Submitted by

**V.P. & R.P.T.P. SCIENCE COLLEGE**

Accredited B<sup>++</sup>

College with potential for excellence

[CPE]

(Managed by charutar Vidya Mandal)

Affiliated to Sardar Patel University

Vallabh Vidya nagar-388 120, Gujarat

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## The Annual Quality Assurance Report (AOAR) of the IQAC

Name of the Institution: **V.P.& R.P.T.P. SCIENCE COLLEGE**

Vallabh Vidyanagar-388 120, Gujarat

Year of Report: 20010-11

### **Part A:**

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

The IQAC is maintained in 2009-2010 as per the guideline provided by the NAAC.

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

Sr. No.	Status	Name of the member	Address
1.	<b>Chairperson</b>	Mr. K. M. patel.	I/C Principal, V.P.& R.P.T.P. Science College
2.	<b>Coordinator IQAC</b>	Dr. Nikunj Bhatt	Asso.Prof.Biology department.
3.	<b>Senior Administrative Officers</b>	Mr. Tushar Majumudar	Deputy Registrar, SPU
		Mr. Raghavjibhai M. Patel	Development Officer, SPU
		Mr. Bhaskarabhai Parekh	Accountant, V.P. Sc. College
4.	<b>Teacher members</b>	Dr. Dali Varghese	Biology Department
		Dr. Rekha s patel	Physics Department
		Dr. B.C. Dixit	Chemistry Department
		Mr. Nilesh Patel	Mathematics Department
		Dr. T.H. Patel	Physics Department
		Dr. Minaxi V. Kumar	Electronics Department
		Mr. L.M. Katara	Librarian
5.	<b>Management Nominees</b>	Shree R. P. Patel	Hon. Secretary, CVM
		Dr. V.S. Patel	Director, SICART V.V. Nagar
		Dr. P. M. Mehtha	Advisor , Research, Biological Sciences, SICART V.V. Nagar
6.	<b>Nominees from Local Society</b>	Dr. D. K. Raval	Professor, Dept. of Chemistry , SPU
		Dr. Vibha Vaishnav	Reader, Dept. of Electronics, SPU
		Dr. M.K. Vasavada	Samip Banglow, Nana bazaar, near Water tank , V.V.Nagar
		Mrs. Ashaben Dalal	President , Jagrut Mahila Mandal, Anand

**Plan Chalked out and executed by the institution in the year 2009-2010.**

- i) College is awarded **“college with potential for excellence”[CPE]** Last year and eligible to receive grant Worth Rs. one crore for development of the institution by UGC.
- ii) College secured **“six gold medals out of nine”** in all common subjects in Sardar Patel University.
- iii) College receive 25 lacs more grant to five major departments [Biology, Microbiology, Chemistry, Industrial Chemistry and Electronics] for U.G. laboratory updation for enable to research by UGC.
- iv) This year Saptdhara [seven goals] committee (see college magazine) was conteneue on the occasion of golden jubilee year of Gujarat state.
- v) The college trust [Charutar Vidya Mandal] host state level compitions on the occasion of saptdhara celebrations.
- vi) The college also host district level saptdhara competetions in folk dance.
- vii) For proper functioning of the institution and to increase the efficiency of the system, committees were formed. A coordinator leads each committee and in certain committees, co-coordinators were also appointed (See college magazine).
- viii) The academic planner shows the functioning of the institute round the year. The planner shows the curricular, co-curricular and the extracurricular activities, which are attached with the prospectus of the college (See prospectus).
- ix) Keeping in mind the continuous evaluation, college conducted unit tests and two internal tests were taken. The syllabi included in each test were three units for 3 credit course and two units for 2 credit course.
- x) The students were encouraged to participate in various academic, co curricular and extracurricular activities conducted by Universities and other Organizations/Institutions and won several prizes. (See college magazine Annual report-student activity).
- xi) The teachers were also encouraged to participate/involve in various academic, co curricular and extracurricular activities conducted by Universities and other Organizations/Institutions (See college magazine Annual report).
- xii) The college has published '**Vintage**' (the College magazine). The copy of which is enclosed for your perusal. (See the college magazine)

## **Part B:**

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

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

#### **The goals and the objectives of the college are:**

- a) To create and nourish a stimulating learning environment that ensures a globally relevant education, based on eternal human values.
- b) To forge and reward excellence in the curricular as well as extra-curricular sectors so as to ensure the scholars' global competitiveness.
- c) To tap, nurture and unleash the innovative entrepreneurial abilities of scholars and thereby ensuring lifelong socio-economic value- addition.
- d) To evoke and embellish the finest traits of human excellence that can dovetail into a sustainable career growth curve.
- e) To affiliate, associate, liaise or otherwise synergize with any institution body, entity, ethno-cultural Diaspora and the overall global fraternity in any form whatsoever, in support of the above.
- f) To initiate, consolidate and extrapolate any objectives, function and activities in support of the above.

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

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

Self financed BCA (bacholor in Computer application) Industrial Chemistry (vocational), Instrumentation (Vocational) has been running successfully.

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

Last year our university introduced **semester system** along with **choice bases credit system [CBCS]**. faculties who are members of board of studies are involved to prepare syllabi of core subjects, foundation subjects and elective subjects for S.Y.B.Sc, and T.Y.B.sc. Viz.

1. Physics
2. Botany
3. Zoology
4. Chemistry
5. Computer Science.
6. Industrial chemistry.
7. Electronics
8. Mathematics
9. English
10. Bachelor in Computer Applications [S F]
11. Instrumentation vocational [S F]
12. Industrial chemistry vocational [S F]

#### **4. Inter-disciplinary programs started:**

- Digital English Language Laboratory [DELL] is started with the collaboration with Gujarat government. It has been effectively make a bridge by conducting innovative courses to students those who are coming to study science subjects from backward area and villages.
- DELL is also conducting SCOPE [The Society for Creation of Opportunity through Proficiency in English] and 111 students are enrolled where 88 students are in level one and 19students are in level two.

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

The following modifications have been made in examination evaluation patterns.

- (i) Unit Test through MCQ [multiple Choice Questions] with OMR [Optical Mark Reader planned this year.
- (ii) Retest [arrear test] is arranged for students who are not able to appear in internal examinations due to some serious reasons.
- (iii) Unit test are arranged after completion of units.

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

Members of the staff are having Ph. D/M. Phil degrees and majority of them are recruited before 1996, so **NET/SLET** is not required.

### **7. Initiative towards faculty development program:**

All most all teachers participated in Refresher courses / Workshop/ Seminars/ Symposia/ Science Congress /Training programs etc.

(See college magazine).

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

(i) One day seminar organized by department of Electronics on "Innovations in Collegiate Science Education and Research"

(ii) Two day UGC sponsored conference organized by department of Physics on "Recent Trends in Theoretical and Experimental Physics" [NCRTEP-11]

### **9. Research projects**

#### **(a) Newly implemented:**

- Dr Nikunj Bhatt of Department of biology received Pilot project under **NMEICT** from Ministry of HRD.
- Dr P M Patel of Department of I/C received Major Project from UGC.
- Dr T H Patel of Department of Physics received Minor research project from UGC.

#### **(b) Ongoing and Completed projects:**

- Dr M V Kumar of electronics Departments conducting project from DST and major research project from UGC.
- Dr. Nayana Brambhatt in the subject of botany conducting Major research project.
- Dr B C Dixit in the subject of chemistry conducting Major research project.
- Five of our faculty members Dr P M Patel Dr J K Baria Mr. P S Vyas Dr A R Jivani and Dr M V Mehta of physics department conducting Minor research Projects.
- Dr Nikunj Bhatt of Biology department conducting Minor research Project.
- Two Minor research Projects are completed in Chemistry.

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

Nil

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

- Dr. Minaxi V. Kumar is having international collaborative research work with Prof. Nigel Mason, Director of research, The Open University, Milton Keynes, UK. She also visited The Open University for four days in the current year during her visit to UK.
- She has initiated a new collaboration with Prof.K.G.Bhushan of BARC.
- She has also initiated a new collaboration with Prof. Lokesh Tribedi, of Tata institute of fundamental research
- Dr. P.M. Patel is having collaborative research work with Prof. K.L. Balucha, Department of Physics and Astrophysics, University of Delhi, Delhi. And Prof. C.V. Pandya Department of Physics, M.G. Science College, Ahemedabad .
- Dr Nikunj Bhatt started collaborative work with Dr Ashish Shukla, Head, department of Zoology. Bhavanagar University. And Mr S. K. Patel from J & J College of Science. Nadiad. Gujarat University.

## 12. Research grants received from various agencies:

### UGC Major/Minor Project

Sr. No.	Name of the staff	Grants received	Funding agency
1	Dr. Minaxi V. Kumar (Major)	Rs. 5,92,800/-	UGC, New Delhi
2	Dr. Minaxi V. Kumar (DST)	Rs. 17,00,000/-	DST
3	Dr Nikunj Bhatt	Rs.80,000/-	UGC, Pune
4	Dr Nikunj Bhatt	Rs.7,00,000/-	Yet to receive
5	Dr P M Patel	Rs.71,000/-	UGC, Pune
6	Dr J K Baria	Rs. 1,00,000/-	UGC, Pune
7	Dr A R jivani	Rs.70,000/-	UGC, Pune
8	Mr.P S Vyas	Rs.80,000/-	UGC, Pune
9	Dr.M V Mehata	Rs.70,000/-	UGC, Pune
10	Dr T. H. Patel.	Rs.57325/-	UGC, Pune
	Total	35,20,325/-	

## 13. Details of research scholars:

Dr. H. N. Patel is guiding 3 research students for Ph.D. degree.

Dr. K. D. Patel is guiding two students,

Dr. B. C. Dixit is guiding two research students

The details of the research students are as under

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

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

Sr. No.	Name of the faculty members	Citations of publishes papers till date	Impact Factor
1	Dr. K. D. Patel	1	--
2	Dr. Minaxi V. Kumar	109	2.02
3	Dr. Dali Varghese	1	--
4	Dr. B. C. Dixit	1	1.47

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

Nil

**16. Internal resources generated:**

The internal recourses are generated through the following:

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

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

**Assistance/recognition:**

NA



## **18. Community services:**

- The major activity organized by NSS department was Camp this year during 6/12/2010 to 12/12/2010 at Demol village near vallabh vidya nagar. During the camp several activities carried out viz. prabhatferri, yoga and meditation, village cleaning, slogan writing, spiritual lectures , blood donation, involvement of school children and villagers in various activities.
- Several one-day camps such as blood donation camp, medical checkup camp for thalassemia , Tree Plantation, campus cleaning etc. were organized.
- In blood donation camp 140 bottles blood were donated by our students. 200 students participated in AIDS awareness program. An amount of Rs. 3500/- collected by the students was donated to government affiliated blind school, at Vathvadi.
- The women cell organized a lecture on a "Women empowerment- holistic health- challenges and opportunities".lecture delivered by Mrs. Dr. Rekha barua, gynecologist, lambhvel.
- Nature club organized plantation 2 day awareness program in vallabh vidya nagar residential area through filling questionnaires.

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

Teachers:

- One Adhyapak sahayak as PTI[physical training instructor] recruited by Gujarat government.
- 17 adhoc lecturers recruited by management in several departments where teaching work load is excess.

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

2.18:1

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

Along with the fully equipped and with 48366 books and 43 periodicals subsciped this year library is upgraded.

- Library provides service facilities such as reference service, information display, photocopying service and circulation services.
- I-Cards are being issued with **barcode**.

- **Broad band** Internet service is being installed.
- Access of e-resource through **INFLIBNET** is being facilitated for researchers and students. It provides 2100 e-journals and 51,000 e- books.
- New scanner and a color photocopier installed.
- Ten more computers are granted by management to install for more use of this service.

## 22. New books/journals subscribed and their cost [2010-11]

Sr. No.	Year	Amount Spent (Books)	No. of Books	Amount Spent (Periodical/Journals/Magazines)	No. of Periodical/Journals/Magazines
1.	2009-2010	College Budget ₹.94,132	314	Periodical/Journals ₹. 13,664 Magazine. ₹. 8,181 INFLIBNET ₹. 5000 News Paper ₹. 4250	19  23  2100-e-journal 51,000 e-books  05
Total		₹. 94,132	314	₹. 31,032	53,147

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

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

## 24. Unit cost of education:

- With salary Rs. 37,283.53 /-
- Without salary Rs. 6804.80 /-

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

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

## **26. Increase in the infrastructure facilities**

- The proposal is made to change the infrastructure of the laboratories, class rooms' faculties seating arrangements, students' facilities under the special grant under CPE, which is under consideration.
- The college receive Rs. 50, 00,000/- as a first installment from UGC under CPE.
- The laboratories of Chemistry and Microbiology are being started to **rejuvenating by replacing good quality infrastructure furniture.**
- Other departments are planning to rejuvenate next year when remaining installment will receive by college.
- Rs. 12 lacs receive for **soil testing laboratory**, established with the collaboration of Gov' of Gujarat for crop quality improvement.

## **27. Technology up gradation:**

- UGC Network resource centre [NRC] established this year for the Internet facility project.
- New broadband connections are installed to each department for Internet facility.
- A proposal is made for installation of LAN wi fi system throughout the college.

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

- Laptops are being granted to provide to the faculty members for the use of internet and multimedia in the college and classrooms.
- Majority of the teachers are already trained. Institute upgraded with high speed connectivity.
- Computer and internet access facilities are available to teachers and students on payment of Rs. 1000 per head per year.

### **29. Financial aid to students:**

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

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

This year the government scholarship for SC students amounting to ` 18343/-, for ST students food bill ` 84000/- scholarship is not receive yet, and for Baxi students ` . 28990 for boys and `41859/- for girls have already been paid to the respective students.

### **30. Support from the Alumni Association and its activities:**

Needy students have been given scholarship Rs. 9000/- from the association fund. The fund is also used for maintenance of the various facilities of the college.

### **31 Support from the Parent-Teacher Association and its activities:**

Parents attended the meeting held twice in the current year. The feedback is collected from the parents and some of them expressed their views.

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

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

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

Mr. J K Chauhan , and student Secretaries Mr.Sharad parmar, Ku. Niyati patavani, Ku. Ishani Patel. And Mr. Ghori Rohit encouraged the students to participate in sports and games organized by Govt' of Gujarat and Sardar Patel University as well as college sports Club.

- **This year government of Gujarat organized Swarnim Khel Mahakumbh Ramatostav 2010. Our college participated and won several prizes as follows.**
- Basket ball team secured runner up position and won ` 24,000/-
- Foot ball team secured third position and won ` 16,000/- and 4 students were selected in **state level football team.**
- Girls' table Tennis team won third prizes.
- College students secured **first position** in 100Mt sprint, 200mt race, discus throw, long jump,
- College students secured **second position** in 100Mt sprint, 200Mt race, discus throw.
- College secured **third position** in 100Mt sprint, javelin throw.

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

Students mentioned above are won cash prizes and certificates. The students who performed well in university, district and state level as well as secured position are also encourage by giving Prizes and Certificates

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

##### **The Gold medal [university] awardees of our college are:**

Miss Nikita Soni in Chemistry, [Three medals from different sponsors]

Miss. Himaben Raulji in Mathematics and Statistics, and Getting highest marks in B.Sc.

Mr. Vipul Solanki in Botany,

##### **The Gold medal [college golden jubilee fund] awardees of our college are:**

Ms. Himani K Raulji received the cash award of Rs. 400/- instituted by Prof J A Inamdar.

Ms. Priyanka k Rathava received a cash prize Rs. 2400/- sponsored by Mr. Rameshbhai Patel, (Rinjol) Canada for securing first position in S.Y. B.Sc. Chemistry.

**The toppers (16) in various subjects received medals/prizes for their performance in academics.**

**Eight Ph. D.** Students were also awarded gold (plated) medals for obtaining their Ph. D. degree during the year. The expenditure incurred for awarding the prizes exceeded Rs. 20,000/-.

Two Students stood first, one student stood second respectively in the state level Minaxi Lalit Science Test Award Organized by Gujarat Science Academy in Botany and Mathematics.

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

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

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

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

Two companies conducted campus interview:

1, Rubamin Industries Ltd. Conducted on 27<sup>th</sup> December 2010. And 07 students are selected.

2, Wipro BPO Ltd. Mumbai. conducted and 04 students selected.

Majority students are wishing to go for higher study in P.G departments.

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

Ccc course is made compulsory for non-teaching staff.

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

- Celebration of all mega festivals in the college by the students.
- Student's Counseling
- Personality Development Program (PDP)

- Parents Teachers Meeting
- Cultural activities
- Science Seminar, Quiz Competition, Poster Competition
- Internet facility for students
- Creative Gallery
- NSS and NCC
- Sports and Games
- Study tours/ Field study/Industrial tours
- Continuous monitoring of attendance of students
- Publication of college magazine

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

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

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

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

##### **Honorary positions of faculty members:**

- Dr Nikunj Bhatt invited as resource person in a training program for the principals of kheda district.
- Dr Nikunj Bhatt, Dr Rekha patel and Dr H N patel appointed as coordinator for BISAG by govt' of Gujarat in Zoology, Physics and Microbiology subjects respectively.
- Dr. Nikunj Bhatt and Dr H N Patel appointed in the advisory committee of UGC sponsored Seminar organized by J&J College of Science. Nadiad.
- Dr Rekha patel, Dr Dali Verghese and Dr M V Kumar appointed as panel of judges in various activities of different institute.
- Dr Rekha Patel is visiting faculty and P G guide in department of Home Sciences.
- Dr V K sinha had been in the peer committee to assess progress of Ph.D students and also in the interview committee for selection of JRF in DST project at DDU, Nadiad.

- Dr Rjiiv Bhatti appointed as an expert in Lion counting organized by Govt' of Gujarat at sasan Gir.
- Mr L M Katara delivered Two lectures at P G department and M B Patel college of education.on modern facilities services. Organized by GCERT-gujarat council of education and research training, gandhinagar.

#### **Guest Lectures:**

- Microbiology Department organized a talk on "learning every day" for T. Y. B.Sc. Microbiology students by Dr. Ujval Trivedi, reader, BRD School of Biosciences, on 8<sup>th</sup> January 2011.
- Chemistry Department arranged a lecture by Prof (Dr.) V A Patel of A R College of pharmacy on "prodrug applications" and another one by Prof (Dr.) D I Brambhatt on " Basics on NMR spectroscopy"

#### **Departmental Activities:**

##### **Biology Department**

- Dr. Rajiv Bhatti accompanied the students to **wild ass wild life sanctuary**.
- Two students cleared prestigious Minaxi lalit test conducted by Gujarat science academy.

##### **Chemistry, Industrial Chemistry & Instrumentation Department**

- Relevance and impartment of communicational skill was done by ISTAR faculties on 3/12/2010.
- Guest lecture arranged for T. Y .B.Sc. students by Dr D K Raval and Dr Jadeja.
- Students are encouraged to deliver self selected topics on Industrial Chemistry.

##### **Physics Department**

- The Physics Department arranged a visit for Physics students to C. C. Patel Community Science Center, Sardar Patel University and a quiz was conducted at the center.
- Five students of Second & Third year attended a 3 day residential camp at C. C. Patel Community Science Center, Sardar Patel University.
- The Physics Department arranged a visit to ISRO & PRL. Physics students also participated in a one day seminar at NVPAS, V.V.Nagar.



### **Microbiology Department**

- Microbiology Department had arranged a Study tour for T. Y. B.Sc. Microbiology students to Forensic Science Laboratory (FSL), Gandhinagar.

### **Department of Mathematics**

- The Department of Maths organized "A.R.Rao Maths Competition" for S.Y.B.Sc students.

### **Popular Lectures DeliveredBy Faculty Members**

- Dr. K. M. Patel has delivered lectures at Department of chemistry, Udaipur. He is a visiting faculty at BRD School of Biosciences, Vallabh Vidyanagar. He is a guest faculty for IC Vocational students.
- Dr B C Dixit has delivered lectures as guest faculty at Department of Chemistry, Udaipur.
- Dr. Sinha has delivered a lecture at A. R. College of Pharmacy.
- Dr.Nikunj Bhatt has conducted a lecture at BISAG, Gandhinagar
- Mrs M K patel has conducted a lecture at BISAG, Gandhinagar
- Dr. Rajiv Bhatti has conducted a lecture at BISAG, Gandhinagar
- Dr.H N patel has conducted a lecture at BISAG, Gandhinagar
- Mrs. S. P. Shukla has conducted a lecture at BISAG, Gandhinagar.
- Dr. M. V. Kumar delivered a talk at CCS University, Meerut.

### **Research Publications of Faculty Members**

- Dr. J. K. Baria of Physics Department has published 9 research papers.
- Dr. P. M. Patel of Physics Department has published 1 research papers.
- Dr. Jivani of Physics Department has published 3 research papers.
- Mr. Paresh Vyas of Physics Department has published 3 research papers.
- Dr Nikunj Bhatt of Zoology has published one research paper.
- Dr. Sinha of Industrial Chemistry Department has published 3 research papers.
- Dr. M. V. Kumar of Physics Department has published 3 research papers while another two have been accepted for publication.
- Dr. D.J.Desai has published five research papers in National and International Journals.
- Dr. Morekar of Chemistry Department has published 2 papers.

- Dr. K.D.Patel of Chemistry Department has published 8 research papers.
- Dr. B.C.Dixit of Chemistry Department has published 4 research papers.
- Dr. Maradia of Chemistry Department has published 2 papers.
- Dr. H. M. Patel of Chemistry Department has published 1 paper.

## **Part C:**

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

This year college is being awarded college with potential for excellence and receive one crore special grant. It will exclusively spend for the students' development, more improvement of teaching learning process, college development and for society.

#### **1. Curricular Aspects**

Introduction of new courses:

Conducting Bridge courses

Spoken English Classes

Encourage the teachers to deliver latest relevant information in their fields

Train the teachers to use the latest information technology etc.

#### **2. Teaching –Learning and Evaluation**

Arrange seminar/workshop/conference/symposia for students as well as teachers

Motivate teachers to do Minor/Major research projects

Organize more and more invited / endowment lectures by all the departments.

Strengthen the college to maximize the use of information technology

Self-Appraisal by teachers, student's assessment of faculty performance and

Management/expert assessment of faculty are to be done

Arrangement of quizzes during the academic year.

#### **3. Research Consultancy and Extension**

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

Encourage all the staff to involve actively in research work

Encourage staff for Minor /Major research projects

Encourage staff for National/International collaborative work

Arrange 10 days annual camp in NSS

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

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

Establishment of WDC in the college and carrying out different programs under it

#### **4. Infrastructure and Learning Resources**

Renovation of Biology, electronics, physics, and mathematics lab.

To develop an English Language lab.

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

Establishment of INFLIB NET connection to the library and departments.

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

Addition of more scientific/research Journals.

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

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

#### **5. Students Support & Progression**

Felicitation of outstanding Academic/NCC/NSS/Sports etc. students with incentives in terms of marks too.

Provision of indoor games facilities in the college.

Reduction of dropout rates.

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

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

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

#### **6. Governance & Leadership**

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

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

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

#### **7. Innovative Practices**

Strengthening the staff club and its activities.

Felicitation of staff for National/International achievements.

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

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

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

Felicitation of outstanding Alumni.

Dr Nikunj Bhatt

Name & Signature, the Coordinator

**IQAC**

Mr. K M patel

Name & Signature ,the Chairperson

**IQAC**

1/04/11

To,  
PROF. H.A. RANGANATH,  
Director  
National Assessment and Accreditation Council  
P. O. Box No. 1075, Nagarbhavi  
Bangalore -560072  
Karnataka  
India

**Sub. AQAR report of V. P. & R. P. T. P. Science College, for the year 2010-2011.**

Respected Sir,

Please find herewith the copy of Annual quality assurance report (AQAR) of V. P. & R. P. T. P. Science College, for the year 2009-2010 along with necessary attachments.

With thanks and regards

Dr. Nikunj Bhatt.  
Name & Signature  
of the Coordinator, **IQAC**

Mr K M Patel.  
Name & Signature  
of the Chairperson **IQAC**

Attachments:

1. Prospectus.
2. College Magazine.