



**SARVAJANIK EDUCATION SOCIETY
P. T. SARVAJANIK COLLEGE OF
SCIENCE, SURAT**



**AFFILIATED TO
VEER NARMAD SOUTH GUJARAT UNIVERSITY
SURAT**

*** AQAR ***

For the year 2013-2014



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Part – A

I.Details of the Institution:

1.1 Name of the Institution

P. T. Sarvajani College of Science, Surat

1.2 Address Line 1

M. T. B. College Campus,

Address Line 2

Jawaharlal Nehru Marg, Athwalines

City/Town

Surat

State

Gujarat

Pin Code

395001

Institution e-mail address

principal@ ptscience.org

Contact Nos.

(0261) 2240028

Name of the Head of the Institution:

Dr.Pruthul R. Desai

Tel. No. with STD Code:

(0261) 2240028

Mobile:

09426854713

Name of the IQAC Co-ordinator:

Dr. Anita Bahadur

Mobile:

09825454366

IQAC e-mail address:

anita26p@gmail.com

1.3 NAAC Track ID (For ex. MHC0GN 18879)

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner-bottom
of your institution's Accreditation Certificate)

1.5 Website address:

Web-link of the AQAR:

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details:

Sr.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B ⁺⁺		2007	5 years
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC:

1.8 AQAR for the year (for example 2010-11)

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011))

- i. AQAR: 2012-13 submitted to NAAC on 13/08/2014
- ii. AQAR : 2011-12 submitted to NAAC on 13/08/2014
- iii. AQAR : 2010-11 submitted to NAAC on 13/08/2014
- iv. AQAR : 2009-10 submitted to NAAC on 13/08/2014
- v. AQAR : 2008-09 submitted to NAAC on 13/08/2014
- vi. AQAR : 2007-08 submitted to NAAC on 13/08/2014

1.10 Institutional Status

University: State al Deemed te

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(e.g. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status: Grant-in-aid U 2(f) UGC 12B

Grant-in-aid + Self Financing Fully Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (PhysEdu)

TEI (Edu) E Hearing Health Science Management

Others (Specify)

1.12 Name of the Affiliating University (*for the Colleges*)

1.13 Special status conferred by Central/ State Government—

UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence U PE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme FIST

UGC-Innovative PG programmes Any other (*Specify*)

UGC-COP Programmes

2.IQACComposition and Activities:

2.1No. of Teachers	<input type="text" value="06"/>
2.2No. of Administrative/Technical staff	<input type="text" value="01"/>
2.3No. of students	<input type="text" value="01"/>
2.4No. of Management representatives	<input type="text" value="02"/>
2.5No. of Alumni	<input type="text" value="02"/>
2. 6No.of any other stakeholder and community representatives	<input type="text" value="01"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="01"/>
2.8 No. of other External Experts	<input type="text" value="01"/>
2.9 Total No. of members	<input type="text" value="15"/>
2.10No. of IQAC meetings held :	<input type="text" value="03"/>
2.11 No. of meetings with various stakeholders: No.	<input type="text" value="0"/> Faculty <input type="text" value="-"/>
Non-Teaching Staff <input type="text" value="-"/> ts	<input type="text" value="-"/> Alumni <input type="text" value="-"/> Others <input type="text" value="-"/>
2.12Has IQAC received any funding from UGC during the year?Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/>
If yes, mention the amount	<input type="text" value="Rs. (50,000 + 65,000) = Rs. 1,15,000"/>
2.13Seminars and Conferences (only quality related)	
(i) No. of Seminars/Conferences/Workshops/Symposia organized by the IQAC	
Total Nos. International	<input type="text" value="02"/> National <input type="text" value="-"/> State <input type="text" value="02"/>
Institution Level	<input type="text" value="-"/>
(ii) Themes	<input 01="" 2014="" 23="" and="" and<br="" applications"="" challenges="" in="" on="" organic="" pharmaceutical="" synthesis="" type="text" value="UGC sponsored
1. "/> 2. "Fundamentals of Nano-Science" on 30/01/2014."/>

2.14 Significant Activities and contributions made by IQAC :

1. SES has tied up with “Film Society of India, Surat Chapter” and the Institute started screening good documentaries/science movies in the Institute.
2. Bridge Courses started in the subjects of Chemistry and Zoology.
3. A series of lectures on “Nobel prize” in various subjects.
4. A seminar slot is provided in the time table in which various talks, invited lectures, informative lectures are arranged.

2.15 Plan of Action by IQAC/Outcome:

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 *

Plan of Action	Achievements
1. To arrange seminar/workshop on different themes	1. One state-level seminar and one state-level workshop were organized successfully in which there was an overwhelming response, particularly from the student community. The turnout was more than that expected in each program.
2. To arrange a series of lectures on “Nobel Prize” in different subjects. The purpose is to motivate students to build their career in the field of research.	2. Three lectures, one on “Nobel Prize in Physics-2013”, one on “Nobel Prize in Chemistry-2013” and one on “Nobel Prize in Medicine-2013” were arranged in which the experts of the relevant fields were invited. The lectures were interactive type wherein the students asked questions.
3. It was decided to add a seminar slot in the time table	3. Seminars were delivered by the faculties/ eminent scientists/personalities of different Institutes as well as from our Institute in the fields like research, “Nobel Prize”, career guidance etc.

<p>4. To take students to educational tours</p>	<p>4. Educational tours were arranged by the individual departments to places like Mahal (Dist.: Dang), IPR (Ahmedabad), Science City (Gandhinagar), FSL (Ahmedabad) etc.</p>
<p>5. To encourage students to participated in national/state level examinations/ activities</p>	<p>5. (a) Two students of S. Y. B. Sc. (Physics) were selected for “Advanced B. Sc. Physics Summer Program” organized by VASCSC, Ahmedabad. It’s a three-week program which was held at St. Xavier’s College, Ahmedabad during summer vacation of 2013. In the program, the students are trained to develop an attitude towards solving problems of Physics and simultaneously, they are made to think in building their career in the field of research by taking them to the visits of PRL, IPR, VASCSC, ISRO and giving them opportunity to interact with the scientists working there.</p> <p>(b) The Department of Physics conducts every year a national level exam, called NGPE, wherein second and third year students participate. Almost every year, our students get state level merit certificate.</p> <p>(c) The Department of Mathematics conducts a state level exam, called, “A. R. Rao Ganit Spardha”.</p> <p>(d) Eight students of T. Y. B. Sc. (Physics) were selected in the “Sixth Science Conclave” held at IIT,</p>

	<p>Allahabad in December, 2013. They had poster presentations there.</p> <p>(e) Six students of T. Y. B. Sc. (Physics) were selected in the “2nd National Student Symposium in Physics” held at the Department of Physics, Punjab University, Chandigarh in January, 2014. They had poster presentations there.</p> <p>(f) Six students of T. Y. B. Sc. (Physics) were selected in the “Frontiers of Astrophysics VII” held at the Fergusson College, Pune in January, 2014. They had poster presentations there.</p> <p>(g) Ms.Mamta Patel of T. Y. B. Sc. (Physics) presented a working model in “The National Science Day” celebration at CSC, Anand in February, 2014 in which she won third prize.</p> <p>(h) Ms. Ghazal Panchal was selected as a research fellow and was invited to work in IIT, Gandhinagar.</p> <p>(i) Two students from F. Y. B. Sc. were selected for a summer program held at HBCSE, Mumbai in the summer vacation of 2014.</p>
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* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body: Yes

Management syndicate Any body

Provide the details of the action taken

It is placed in the Local Administrative Committee (LAC).

Part – B

Criterion – I

I. Curricular Aspects:

1.1 Details about Academic Programmes:

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	4	-	-	-
PG	2	-	-	-
UG	5	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	11	-	-	-
Interdisciplinary	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	5+2
Trimester	-
Annual	-

1.3 Feedback from stakeholders* *(On all aspects)*

Alumni Parents Employers Students

Mode of feedback: Online Manual Co-ordinating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

University revises the syllabus from time to time

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

Criterion – II

2. Teaching, Learning and Evaluation:

2.1 Total No. of permanent faculty:

Total	Asst. Professors	Associate Professors	Professors	Others
29	03	19	0	07

2.2 No. of permanent faculty with Ph.D. 18

2.3 No. of Faculty Positions Recruited (R) and Vacant(V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
-	-	-	-	-	-	-	-	-	-

2.4 No. of Guest, Visiting faculty and Temporary faculty: 10

2.5 Faculty participation in conferences and symposia: (See Annexure I):

No. of Faculty	International level	National level	State level
Attended	02	03	26
Presented papers	02	04	-
Resource Persons	-	01	07

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Multimedia technology was adopted and implemented
- ICT enabled in teaching and learning process
- Conducted regular study tours

2.7 Total No. of actual teaching days during this academic year 190

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

As per university rules

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 16

82%

2.10 Average percentage of attendance of students

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction	I	II	III	Pass %
B. Sc.	316	101	119	45	04	85.12
M. Sc. (Organic chemistry)	29	25	04			100
M. Sc. (Botany)	14	07	07			100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

Meetings are regularly held for monitoring and evaluating the teaching and learning processes and necessary steps are taken.

2.13 Initiatives undertaken towards faculty development:

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	0
UGC – Faculty Improvement Programme	0
HRD programmes	0
Orientation programmes	0
Faculty exchange programme	0
Staff training conducted by the university	0
Staff training conducted by other institutions	0
Summer / Winter schools, Workshops, etc.	0
Others	

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	10	5	0	5
Technical Staff	12	19	0	19

Criterion – III

3. Research, Consultancy and Extension:

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- There was a presentation by one of our faculties, Dr. Anita Bahadur, whose Minor research Project was sanctioned. She guided the other faculty members on how to prepare such research proposals and apply for the research grants from various funding agencies.
- Motivated by the presentation, some faculty members have applied for the same.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		1		1
Outlay in Rs. Lakhs		11.268		

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number		1	1	
Outlay in Rs. Lakhs		0.7	1.25	

3.4 Details on research publications (See Annexure II)

	International	National	Others
Peer Review Journals	19	3	
Non-Peer Review Journals			
e-Journals			
Conference proceedings			

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations:

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	03	UGC	11,26,800/-	8,02,800/-
Minor Projects	02	UGC	70,000/-	1,35,000/-
	02	UGC	1,90,000/-	
	02	GUJCOST	1,25,000/-	
Interdisciplinary Projects				

Industry sponsored				
Projects sponsored by the University/ College				
Students research projects (other than compulsory by the University)				
Any other(Specify)				
Total			15,11,800/-	

3.7 No. of books published i) With ISBN No. Chapter 07 Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from : NA

UGC-SAPCA FIST

DPE DBT Scheme/funds

3.9 For colleges: N.A.

Autonomy DBT Star

INSPIRE CEA Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	-	-	-	2
Sponsoring agencies	-	-	-	-	UGC

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations: International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency Management of University/College

Total

3.16 No. of patents received this year:

Type of Patent	Number
National	Applied
	-

	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
	1					

3.18 No. of faculty from the Institution who are Ph.D. Guides and students registered under them

04

13

3.19 No. of Ph.D. awarded by faculty from the Institution

01

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRFS 01 - Project Fellows 01 Any other -

3.21 No. of students Participated in NSS events:

University level 50 -
National level - International level -

3.22 No. of students participated in NCC events:

University level - -
National level 20 International level -

3.23 No. of Awards won in NSS:

University level - State level -
National level - International level -

3.24 No. of Awards won in NCC:

University level - State level 4
National level 2 International level -

3.25 No. of Extension activities organized:

University forum - College forum -
NCCNS - other -

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- An Academia Industry meet was organized in which representatives from some industries were invited to discuss with them the possibility of implementing industry oriented Add on courses so that the students can cope up with the industrial requirements after they complete their graduation or post graduation.
- Our students were motivated to have active participation in “Pulse Polio Abhiyan”, a nationwide drive to control polio cases.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	13.02 acres	-		13.02 acres
Class rooms	13	0		13
Laboratories	15	0		15
Seminar Halls	2	0		2
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	0	0		0
Value of the equipment purchased during the year (Rs. in Lakhs)		4.79	UGC and SES	
Others				

4.2 Computerization of administration and library

The library and the college office are computerized

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	1035	129997	182	13973	1217	143970
Reference Books	8175	1806024.76	325	258291.25	8500	1939512.01
e-Books						
Journals	147	214825	21	45250	168	260075
e-Journals						
Digital Database						
CD & Video	2	60.00			2	60.00
Back Volumes of Journals					95	

4.4 Technology up gradation (overall)

Total	Computer	Internet	Browsing	Computer	Office	Depart	Others
-------	----------	----------	----------	----------	--------	--------	--------

	Computers (Desktop+ Laptops)	Labs		Centres	Centres		-ments	
Existing	23	0	9					
Added	7	0	0					
Total	30	0	9					

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

ICT enabled teaching learning process

4.6 Amount spent on maintenance in lakhs :

i) ICT

-

ii) Campus Infrastructure and facilities

1,00,618/-

iii) Equipments

78,063/-

iv) Others

1,16,329/-

Total :

2,95,010/-

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

An orientation program for the new entrants was arranged in the beginning of the academic year to inform them about the Institute, the facilities available to them and the activities carried out for them during the year.

5.2 Efforts made by the institution for tracking the progression

We have regular meetings for the self-assessment and after an open ended discussion with all, we try to improvise.

5.3 (a) Total No. of students

UG	PG	Ph. D.	Others (Project Fellow)
1401	93	14	01

(b) No. of students outside the state

(c) No. of international students

No.	%
589	39

No.	%
905	61

MenWomen

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
713	29	192	205	4	1143						

Demand ratio :6:1Dropout%: 18%

5.4Details of student support mechanism for coaching for competitive examinations (If any)

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET SET/SLET GATE

IAS/IPS etc State PSC Others

5.6 Details of student counselling and career guidance

No. of students benefitted

5.7Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
02	98	19	

5.8Details of gender sensitization programmes

5.9 Students Activities:

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support:

	Number of students	Amount (in Rs.)
Financial support from institution	2	5000/- each
Financial support from government	313	22,11,371/-
Financial support from other sources	10	30,000/-
Number of students who received International/National recognitions		

5.11 Student organised / initiatives:

Fairs: State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

Pulse polio abhiyan
Government initiative

5.13 Major grievances of students (if any) redressed: Nil

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: To promote experimental scientific pursuit and to provide conducive environment to students, to develop aptitude and to sharpen skills of students to meet the challenges of rapidly changing world and to instil a spirit of camaraderie amongst students and sensitize them regarding their role and duty towards nation building.

Mission: To make the Education of Core Science subjects “Sarvajanic” in true sense to create scientific thrust and to make the students explore new horizons of science through research.

6.2 Does the Institution has a management Information System

Yes

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

Curriculum is prepared by the university

6.3.2 Teaching and Learning

ICT enabled teaching

6.3.3 Examination and Evaluation

Regular tests and internal examinations are conducted as per the instruction of the university

6.3.4 Research and Development

Teachers are encouraged to pursue research and attend conferences

6.3.5 Library, ICT and physical infrastructure / instrumentation

New course based books were purchased in good numbers

6.3.6 Human Resource Management

Teachers are given additional charges for various extra-curricular and co-curricular activities

6.3.7 Faculty and Staff recruitment

Faculty and staff recruitments are done as per the rules and regulations of the university

6.3.8 Industry Interaction / Collaboration

An "Industry Academia Meet" was organized in which course content for Add-on course in Chemistry for F Y students was designed in accordance with the requirement of the industries which will enhance their employability

6.3.9 Admission of Students

- Admissions are conducted as per the university norms and government orders.
- Strict transparency and admission rules are adhered to by the college.

6.4 Welfare schemes for

Teaching	-
Non teaching	-
Students	-

6.5 Total corpus fund generated

-

6.6 Whether annual financial audit has been done: Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External	Internal
------------	----------	----------

	Yes/No	Agency	Yes/No	Authority
Academic	Yes	GOG		
Administrative	Yes	GOG	Yes	CA

6.8 Does the University/ Autonomous College declare results within 30 days? NA

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Examinations are conducted as per the university norms and regulations

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

NA

6.11 Activities and support from the Alumni Association

The Alumni Association works hand in hand with the college management. Two invited talks were sponsored by our alumni association. It provides scholarships to the needy students

6.12 Activities and support from the Parent – Teacher Association

Nil

6.13 Development programmes for support staff

Nil

6.14 Initiatives taken by the institution to make the campus eco-friendly

It has been resolved to mount solar lights in the campus to make the campus eco-friendly
Training is imparted to students for a green, clean campus drive

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- An orientation program was arranged for the new entrants in which they were informed about the facilities available in the institute, the activities carried out in the institute during the academic year and also they were guided about the career opportunities available after their graduation in all the subjects

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- The plan of action conceived during the beginning of the academic year has been successfully initiated and completed.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- Bridge Courses were conducted in various subjects to strengthen the fundamentals of the subject.
- Plenary lectures on “Nobel Prize Winners in 2013” by eminent scientists.

**Provide the details in annexure (annexure need to be numbered as i, ii, iii)*

7.4 Contribution to environmental awareness / protection

- Health run was organized by the Institute to bring awareness among students and staff members
- A bicycle rally was organized by the institute in which many students and staff members participated

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

- An “Inter-College Staff Tournament” was arranged in which many of the staff members participated and won the trophies

8.Plans of institution for next year:

1. To arrange Bridge Courses in all the subjects that we offer at the UG level
2. To arrange invited talks on different topics of current affairs and others
3. To arrange talks on “Nobel Prizes” given in different subjects
4. To organize state level workshop/seminar in different subjects
5. To take our students to various places of academic interest
6. To celebrate “National Science Day” and in doing so, to bring awareness in the young minds and make them think differently
7. To inspire the students to participate in various academic activities on and off the campus
8. To motivate them to prepare power point presentations in their fields of interest and present them in front of the other students
9. To organize “Health Run” to bring awareness about their health
10. Any other student-centric program that is possible

Name _____

Name _____

Signature of the Coordinator, IQAC Signature of the Chairperson, IQAC

_____ *** _____

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

Annexure I

Prof. R. B. Patel of Department of Physics participated in

1. A UGC sponsored state level workshop on “Fundamentals of Nano-science” organized by Sir P. T. Sarvajanik College of Science, Surat on 30th January, 2014.
2. A UGC sponsored state level seminar on “Challenges in Organic Synthesis” organized by Sir P. T. Sarvajanik College of Science, Surat on 23rd January, 2014.
3. One day seminar on “Physics Education & research” held at Charotar University of Science & Technology (CHARUSAT) in association with IAPT (RC7) on 9th June, 2013.

Prof. V. H. Thakkar of Department of Physics participated in

1. A UGC sponsored state level workshop on “Fundamentals of Nano-science” organized by Sir P. T. Sarvajanik College of Science, Surat on 30th January, 2014.
2. A UGC sponsored state level seminar on “Challenges in Organic Synthesis” organized by Sir P. T. Sarvajanik College of Science, Surat on 23rd January, 2014.
3. “6th Science Conclave” organized by IIIT, Allahabad during 08th December to 12th December, 2013.

Prof. S. A. Sutar of Department of Physics participated in

1. A UGC sponsored state level workshop on “Fundamentals of Nano-science” organized by Sir P. T. Sarvajanik College of Science, Surat on 30th January, 2014.
2. A UGC sponsored state level seminar on “Challenges in Organic Synthesis” organized by Sir P. T. Sarvajanik College of Science, Surat on 23rd January, 2014.

Dr. A. H. Dholakia of Department of Zoology participated in

1. International Workshop on Ocean Acidification- Consequences for Marine Ecosystems’ (IWOA’13)’ organized by the Laboratory of Integrative Taxonomy and Microbial Ecology, Department of Biological Sciences, Indian Institute of Science Education and Research- Kolkata in Kolkata from 20th to 21st September, 2013

Dr. Anita Bahadur of Department of Zoology participated in

1. Fish toxicity and antibacterial studies on cationic surfactants in relation to their self-assembly in ACCIS, Darjeeling in 2013.

Dr.J.M.Patel and Dr N. R. Solanki of Department of Zoology participated in

1. State level “Gujarat science congress” on 22nd and 23rd February, 2014 held at Patan.
2. State level seminar on “Challenges in organic synthesis and its pharmaceutical applications” during 23rd January, 2014.

3. A UGC sponsored state level workshop on “Fundamentals of Nano-science” organized by Sir P. T. Sarvajani College of Science, Surat on 30th January, 2014.

Dr. S. P. Vora- Department of Chemistry participated in

1. State level seminar on “Challenges in organic synthesis and its pharmaceutical applications” during 23rd January, 2014.
2. A UGC sponsored state level workshop on “Fundamentals of Nano-science” organized by Sir P. T. Sarvajani College of Science, Surat on 30th January, 2014.
3. A GUJCOST Sponsored regional Seminar on “Chromatographic Techniques” on 8th February, 2014 at Navyug Science College, Surat.

Prof. K. C. Parmar of Department of Chemistry participated in

1. 6th Science Conclave held at IIIT, Allahabad during 8th December to 14th December, 2013.
2. Summer Research Fellowship Programme for Teachers-2013 held at IISc, Bangalore during May to July, 2013.

Prof. J. M. Desai of Department of Mathematics participated in

1. A UGC sponsored state level workshop on “Fundamentals of Nano-science” organized by Sir P. T. Sarvajani College of Science, Surat on 30th January, 2014.
2. A UGC sponsored state level seminar on “Challenges in Organic Synthesis” organized by Sir P. T. Sarvajani College of Science, Surat on 23rd January, 2014.

Dr. K. J. Chauhan of Department of Mathematics participated in

1. A “Three day Programme on Preparing Research Proposal” organized by KCG, Dept. of Education, Govt. of Gujarat, Gandhinagar held at M.T.B. Arts College, Surat during 1st to 3rd May, 2013.
2. A Gujarat State Council for Blood Transfusion, Ahmedabad sponsored One day workshop on “સર્વૈચ્છેદ્ય રક્તદાન જાગૃતિ” (Voluntary Blood Donation awareness workshop) organized by Surat Raktadan Kendra & Research Center and Veer Narmad South Gujarat university, Surat on 7th January, 2014 at VNSGU Convention Hall, Surat.
3. A UGC sponsored One-day seminar on “Challenges in Organic Synthesis and its Pharmaceutical Applications” organized by Sir P. T. Sarvajani College of Science, Surat on 23rd January, 2014.
4. A UGC sponsored One-day workshop on “Fundamentals of Nanoscience” organized by Sir P. T. Sarvajani College of Science, Surat on 30th January, 2014.

Dr. D. V. Shah of Department of Mathematics participated in

1. A ‘One Week Programme on Preparing Research Proposal and Capacity Building in Curriculum Development’ organized by KCG, Dept. of Education, Govt. of Gujarat, Gandhinagar held at M. T. B. Arts College, Surat during 1st to 6th May, 2013.
2. Delivered invited talk entitled “*Life of Ramanujan*” at the workshop organized by Pravrutividhyalaya, Surat on 5th July, 2013.

3. Worked as resource person at ‘The workshop on guidance for UGC NET/SET examination for teachers of Computer Science’ organized by the Computer Society of India Surat Chapter held at Wadia Women’s College, Surat on 27th October, 2013 and 15th December, 2013.
4. Delivered two invited talks entitled “*GanitSamachar – 2013*” and “*At last the riddle is solved*” at the ‘50th annual conference of Gujarat GanitMandal’ held at Sanskardham, Ahmedabad during 14th to 17th November, 2013.
5. Delivered two invited lectures entitled “*The man and the Genius: Ramanujan*” at the ‘State level workshop on the life and works of SrinivasaRamanujan’ held at B. C. S. Govt. P. G. College, Dhamtari (Chattisgarh) during 22nd to 24th December, 2013.
6. Conference on ‘Challenges in Organic Synthesis and its Pharmaceutical Applications’ organized by Sir P. T. Sarvajanik College of Science, Surat on 23rd January, 2014.
7. and Worked as an expert in ‘Workshop for the technical terms in Mathematics (English – Hindi – Gujarati)’ organized by Commission for Scientific & Technical Terminology, Ministry of HRD, Govt. of India, N. Delhi held at S. P. University, V. V. Nagar during 27th to 31st January, 2014.
8. Conducted workshop on ‘Applications of Number Theory’ held at Shri U. P. Arts, Smt. M. G. Panchal Science and Shri V. L. Shah Commerce College, Pilvai during 10 – 12 February, 2014.
9. Delivered invited talk entitled “*The man and the Genius : Ramanujan*” at ‘National Seminar on Contributions of Ramanujan in Mathematics and its Applications in Mathematical Sciences’ organized by M. P. Council of Science and Technology, Bhopal held at Government Madhav Science P. G. College, Ujjain during 6 – 7 March 2014.

Prof. N. J. Rajyaguru, the Librarian, participated in

1. A UGC sponsored State level Workshop on “Fundamentals of Nano-sciences” at Sir P. T. Sarvajanik College of Science, Surat on 30th January 2014.
2. A UGC sponsored One-day seminar on “Challenges in Organic Synthesis and its Pharmaceutical Applications” organized by Sir P. T. Sarvajanik College of Science, Surat on 23rd January, 2014.

Annexure II

Publications of Dr. G. C. Desai- Department of Chemistry

1. Dye indicator absorbance spectra and complex ions formation in chromium chloride-alkali- halide- water system.
Mona Shah, G. C. Desai, M. B. Mahida
Der Pharma Chemica, 2013, 5(2), 212-215, ISSN- 0975-413X
2. Spectral Investigation of complex ion formation in chromium chloride with MCl_2 type halide.
Mona Shah, G. C. Desai, M. B. Mahida
Journal of Chemical and Pharmaceutical Research, 2013, 5(4), 124-125, ISSN- 0975-784 Cited by 1
3. Spectral investigation of complex ion formation in $CrCl_3$ - $CdCl_2$ -water, and $CrCl_3$ - $CdCl_2$ -water and $CrCl_3$ - $CdCl_2$ - $KClO_4$ -water system.
Mona Shah, G. C. Desai Cited by 0
Journal of Chemical and Pharmaceutical Research, 2013, 5(11), 605-608, ISSN- 0975-784

Dr. S. P. Vora- Department of Chemistry

1. Study of removal of cationic dye from waste aqua using chromatographic grade silica as adsorbent. **J. Disp. Sci. Tech.**34 (7), 947-956 (2013).
10.1080/01932691.2012.735864 Impact factor-**0.628**

Dr A.Bahadur – Department of Zoology

1. Behavioural and histopathological effect of azodye on kidney and gill of *labeorohita* fingerlings. **J Env Biol.**34,147-152,2013.
2. Toxic effects of azo dye on blood parameters of fresh water fish *labeorohita*.**J Cell Tiss Res**, 14, 4251 - 4254