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Part – A

1.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

pruthuldesai@gmail.com

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

GJCOGN13102

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)

EC(SC)/05/RAR/114

1.5 Website address:

www.ptscience.org

Web-link of the AQAR:

<http://www.ptscience.org/AQAR2015-16.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	A	3.03	2015	5 years
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC:

1st July, 2007

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

2016-17

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC AQAR: 2015-16 submitted to NAAC on 20/10/2015

1.10 Institutional Status

University: State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

Type of Institution Co-education Men Women

Urban Rural Tribal

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

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

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineer in 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

College with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST -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"/>
2.10 No. of IQAC meetings held :	<input type="text" value="02"/>
2.11 No. of meetings with various stakeholders: No.	<input type="text" value="0"/> Faculty <input type="text" value="2"/>
Non-Teaching Staff	<input type="text"/> Student <input type="text" value="01"/> Alumni <input type="text" value="01"/> Others <input type="text" value="0"/>
2.12Has IQAC received any funding from UGC during the year? Yes	<input type="text"/> No <input checked="" type="checkbox"/>
If yes, mention the amount	<input type="text" value="NA"/>
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="-"/> National <input type="text" value="-"/> State <input type="text" value="2"/>
Institution Level	<input type="text" value="-"/>

(ii) Themes

1. “Teacher’s training Program” in collaboration with HBCSE, Mumbai
2. UGC sponsored One-day Workshop on “Fundamentals of Quantum Mechanics”

2.14 Significant Activities and contributions made by IQAC:

1. Special seminars were arranged by the college staff in which the faculty members of the college gave presentations on various topics
2. Special seminar slot was added in the time table in which invited talks, informative and motivational talks and screening of science documentaries and science fiction 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 *See Annexure 1

Plan of Action	Achievements
1. To arrange seminar/workshop by students on different themes	
2. To arrange a series of lectures on “Nobel Prize” in different subjects.	Arranged lectures on Nobel prize in Chemistry: by Prof. C. P. Rao, IIT, Mumbai Physics: by Prof. Sudhir Jain, BARC, Mumbai
3. It was decided to add a seminar slot in the time table	Executed
4. To take students to educational tours – arranged by individual departments	Zoology Department: <ol style="list-style-type: none">1. Kosmada (Induced breeding)2. Sarthana Nature’s Park3. Wadhvana bird sanctuary (Ta. Dabhoi) Mathematics Department: <ol style="list-style-type: none">1. Annual conference of Gujarat Ganit Mandal held at Ganpat University, Mahesna. Physics Department: <ol style="list-style-type: none">1. To Dharampur Science Centre2. To IPR, IIM and Science City (Ahmedabad) NSS Camp was organized at Kalibel, DANG for one week.

<p>5. To encourage students to participate in national/state level exam/competition/symposia/seminars/workshops/conventions</p>	<p>Mathematics Department:</p> <ul style="list-style-type: none"> • Annual conference of Gujarat Ganit Mandal at Ganpat University, Mahesna. • Students participated in the National level Madhava Mathematics Competition and state level Prof. A. R. Rao Mathematics Competition <p>Physics Department:</p> <ul style="list-style-type: none"> • A Workshop on “Introduction to The Programming in Latex, Python, C language etc.” was organized in the college and 40 students participated. • Inter-college competitions like, Essay Writing Competition, Power point presentation competition etc are organized and students encouraged for participation in them • Students participated in “National Competition for Essay Writing in Physics”, organized by IAPT. • Students appeared in a National Level Examination, called NGPE, organized by IAPT, Kanpur • Students participated in CPEX – 2017 organized by RC – 7 (Gujarat) of IAPT which was held at Sir P T Science College, Modasa • Students participated in a seminar and presented a poster on “Nano-technology” held at S P University, V V Nagar • Students participated and won third prize in the Science Exhibition held at B K M Science College, Valsad
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* Attach the Academic Calendar of the year as Annexure. I

2.15 Whether the AQAR was placed in statutory body: Yes

No

Management

Syndicate

Any other body

Provide the details of the action taken

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

Part – B

Criterion – I

1. 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/M Phil	4	-	-	-
PG	2	1	-	-
UG	5	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	1 (Academia)	-	-	1
Total	12	1	-	1
Interdisciplinary	-	-	-	-

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	5 (UG) +3 (PG)
Trimester	-
Annual	-

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

Alumni Parents Employers Students

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

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

University has a board that revises the syllabus from time to time.
Some senior faculty of the college are members of this board.

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

Yes, a new PG centre started in the subject of Physics

Criterion – II

2. Teaching, Learning and Evaluation:

2.1 Total No. of permanent faculty:

Total	Asst. Professors	Associate Professors	Others
30	12	18	

2.2 No. of permanent faculty with Ph. D.

23

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:

C2+M1+P5

M1+C5+P4+B2

2.5 Faculty participation in conferences and symposia: **(Refer to Annexure II):**

No. of Faculty	International level	National level	State level
Attended	1	6	43
Presented papers	1	2	3
Resource Persons	-	1	3

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

- Conducted regular study tours
- NPTEL lectures were shown to the students
- Add-on course started
- Multimedia technology adopted and implemented
- ICT enabled in teaching and learning process

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

220

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

Z2

as member of Board of Study/Faculty/Curriculum Development workshop

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	ATKT/fail	Pass %
B Sc	1047	558	279	62	82	91.21
M Sc	150	55	52	12	21	93.3

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	1
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	P1, C1
Summer / Winter schools, Workshops, etc.	P2
Others	1

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	8	22	0	8
Technical Staff	6	08	0	1

Criterion – III

3. Research, Consultancy and Extension:

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

- IQAC encourages the faculty to put forward their projects to various funding agencies to continue with their research work smoothly.

3.2 Details regarding major projects:

	Completed	Ongoing	Sanctioned	Submitted
Number		1		2
Outlay in Rs. Lakhs		18.5 lakhs		

3.3 Details regarding minor projects:

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

3.4 Details on research publications (Refer to Annexure III)

	International	National	Others
Peer Review Journals	5	--	--
Non-Peer Review Journals	6		
e-Journals	--	--	--
Conference proceedings	3		

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
Minor Projects	02	ISRO, Bangalore	18.53 lakhs	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				

3.7 No. of books published) With ISBN No. Chapters in Edited Books

i) With ISBN no ii) Without ISBN No.

3.8 No. of University Departments receiving funds from : **NA**

UGC-SAP CAS DST-FIST

DPE DBT Scheme/funds

3.9 For colleges: **NA**

Autonomy CPE DBT Star Scheme

INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

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

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 From Management of University/College

Total

3.16 No. of patents received this year: **Nil**

Type of Patent		Number
	Applied	-
	Granted	-
	Applied	-
	Granted	-
	Applied	-
	Granted	-

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

Total	International	National	State	University	Dist	College
-	-	-	-	-	-	-

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

Z2+M1+C2

M2 + Z4

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

3

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

JRF/SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level State level
National level 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
National level International level

3.25 No. of Extension activities organized:

University forum College forum
NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility: As shown in the table below

Competitions:

Sr No	Activity	Remarks
1.	Elocution competition	64 students took part
2.	Gandhi quiz, organised by SCOPA Sarvajanik College, Surat	1 st prize
3.	Cleanliness and Decoration competition, organised by Sarvajanik Education Society, Surat	2 nd prize
4.	Elocution competition, organised by C. J. Patel Vidyadham College, Surat	3 rd prize
5.	Elocution competition, organised by Z. F. Wadia Women's College, Surat	3 rd prize
6.	Light vocal competition, organised by SCOPA	2 nd prize
7.	Light vocal competition, organised by C. J. Patel Vidyadham College, Surat	3 rd prize
Sr No	NSS Activity 2016 2017	Date
1.	FEMICON conference at VNSGU, Surat	06/08/16
2.	Lecture Given By Dr. Shleshna kapadia On “ DONATE LIFE – ORGAN DONATION. 23/08/16	
3.	SUICIDE PREVENTION DAY and presentation given by Urvesh Chauhan	10/09/16
4.	NSS DAY at S. P. Uni., V. V. Nagar, Arun Rudakia, CZ-31 has participated in essay competition.	22/09/16 to 24/09/16
5.	BLOOD DONATION AWARENESS PROGRAMME , by Surat Raktadan Kendra. 50 volunteers of our college has participated	06/10/16
6.	Meeting of our college campus ambassador was organized by with deputy collector at Jilla Seva Sadan	06/10/16 & 16/02/17
7.	WALKATHON-16 was organized by Nilesh Mandlewala for awareness of “ DONATE ORGANS-SAVE LIVES ”, in which 50 volunteers participated.	
8.	5 volunteers of NSS participated in training of use of e-wallet at SCET, given by Luthra College	27/11/16-27/12/16
9.	Cashless transaction and digital banking , in which 600 students of our college participated Presentation was given by South Gujarat Productivity Council, Surat for awareness	03/01/17
10.	Consumer Awareness Programme	21/02/17

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	14339.99m ²	0		14339.99m ²
Class rooms	14	0		14
Laboratories	18	0		18
Seminar Halls	2	0		2
No. of important equipments purchased (\geq 1-0 lakh) during the current year.				
Value of the equipment purchased during the year (Rs. In Lakhs)				
Others		C4.79	UGC SES	

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	1743	186285.00/-	260	23553/-	2003	209838/-
Reference Books	9264	2311449.67/-	937	422219/-	10201	2733669.07/-
e-Books	1002		0		1002	
Journals	220	364227.50/-	26	53915/-	246	4181443/-
e-Journals	-	-	-	-	-	-
Digital Database						
CD & Video	11	60.00/-	0	0	11	60.00/-
CD-accompanied with books	126		1		126	
Back Volumes of Journals					6299	

4.4 Technology up gradation (overall)

	Total Computers (Desktop+ Laptops)	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	40	1	8					
Added	21	0	1					
Total	61	1	9					

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

ICT enabled teaching learning process.

4.6 Amount spent on maintenance in rupees :

i) ICT

96,595/-

ii) Campus Infrastructure and facilities

3,32,838/-

iii) Equipments

32,500/-

iv) Others

2,86,110/-

Total :

7,48,043/-

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) M. Phil.
1241	173	Z4 + M2	M5 + C4 + P2

(b) No. of students outside the state

16

(c) No. of international students

-

Men-	No.	%	Women	No.	%
	583	43.6		755	56.4

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
669	64	163	407	5	1308	665	79	176	473	2	1395

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

Special classes were arranged for the students to guide them to successfully pass the competitive examinations by the faculty of the college.

No. of students beneficiaries

35

5.5 No. of students qualified in these examinations

NET	1	SET/SLET	GATE	1	CAT	--	--
IAS/IPS etc	-	State PSC	-	UPSC	--	Others (JAM)	1

5.6 Details of student counselling and career guidance

Counselling to the students during class hours

No. of students benefitted

5.7 Details 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

5.8 Details of gender sensitization programmes

- Breast feeding awareness program was organized in the college in which all the female students participated and interacted with the speakers.

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	20	26657/=
Financial support from government	413	paid online
Financial support from other sources	15	31 000/-
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

- Tree plantations
- Plastic free campus
- Green audit of campus

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 “Sarvajanik” in true sense to create scientific thrust and to make the students explore new horizons of science through research.

6.2 Does the Institution have 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 in a meeting with board

6.3.2 Teaching and Learning

ICT enabled teaching

6.3.3 Examination and Evaluation

Regular tests and internal examinations (both theory and practical) 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 purchased in good numbers

6.3.6 Human Resource Management

Teachers are given additional charges for various extra-curricular and co-curricular activities such as
NSS – Dr J M Patel and Dr Hetal Gajjar
NCC- Dr Dhiraj B Shah

6.3.7 Faculty and Staff recruitment

Faculty and staff recruitments are done as per the rules and regulations of the university. Ad-hoc staffs as per requirement are appointed by SES

6.3.8 Industry Interaction / Collaboration

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	-health centres
Non teaching	- health centres
Students	- health centres

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 Autonomous College for Examination Reforms?

Examinations are conducted at present as per the university norms and

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

Solar lights have been mounted in the campus to make the campus eco-friendly
Training is imparted to students for a green, clean campus drive
A Vermicompost unit is established in the college and is maintained on a regular basis

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 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*)

Seminars arranged by the institute, delivered by college staff to cover the new research developments and methodologies as being implemented in the campus. The following topics were covered:

- Dr P R Desai "How to be a Great Teacher?"
- Dr P R Desai "Is there anyone out there?"
- Dr A Bahadur "You and your genes"
- Dr S P Vora "Kitchen chemistry and interesting experiments"
- Prof V H Thakkar "Evolution of atomic models"
- Dr A V Varshney "Goal of life"
- Dr N R Solanki "Health and mosquitoes"
- Dr J M Desai "Statistics – The beginning"
- Dr D V Shah "Mathematical black holes"
- Dr B M Patel "Ozone depletion"
- Dr D B Shah "Indian Space Program"
- Dr K J Chauhan "All about chocolates"
- Dr Ketan Parmar "Intellectual Property Rights"
- Dr N C Patel "Dyes"

- An Eco club is established under whose aegis campus is cleaned from time to time
- A lecture on wildlife awareness was arranged
- A Bicycle club of the college was established through which some interested meritorious students are distributed cycle to come and go to college regularly.

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (For ex. SWOT Analysis)

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 organize state level workshop/seminar in different subjects
 4. To take our students to various places of academic interest
 5. To inspire the students to participate in various academic activities on and off the campus
 6. To motivate them to prepare power point presentations in their fields of interest and present them in front of the other students
 7. To arrange student-centric programs
 8. To organize Academies' Refresher Course on Statistical Mechanics
 9. To arrange orientation course for B Sc and M Sc classes
 10. To continue Add on courses in different subjects.
 11. To organize "Health Run" to bring awareness about their health

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

Details of academic calendar



VEER NARMAD SOUTH GUJARAT UNIVERSITY
University, Campus, Gadhada, Gandhinagar, Gandhinagar, Gandhinagar
વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી
ગુણવંતી કમ્પસ, ગાંધીનગર, ગાંધીનગર, ગાંધીનગર

:- પરિપત્ર :-


વિજ્ઞાન વિદ્યાશાખા રેક્રૂટમેન્ટ સંલગ્ન કોલેજોના આચાર્યશ્રીઓ તથા અનુસ્નાતક ભવનોના વડાશ્રીઓને જણાવવાનું કે, તમામ વિદ્યાશાખાનાં શીક્ષકીઓની સત્રવ્યવસ્થા અંગેની તા.૨૩-૦૬-૨૦૧૬ ની સભામાં શીક્ષક વર્ષ ૨૦૧૬-૧૭ માટે તૈયાર કરેલ વિજ્ઞાન વિદ્યાશાખાની નીચે પ્રમાણેની સત્ર વ્યવસ્થા માનનીય કુલપતિશ્રીએ એકેડેમિક કાઉન્સિલ વતી તથા સિન્ડિકેટ વતી મંજૂર કરેલ છે, સદર સત્ર વ્યવસ્થાની જાણ સંબંધકર્તા શિક્ષકો તથા વિદ્યાર્થીઓને કરવી. તદ્દપરાંત તેનો અમલ કરવા વિનંતી.

વિજ્ઞાન વિદ્યાશાખાઓ માટે શીક્ષક વર્ષ ૨૦૧૬-૧૭ માટે સત્રવ્યવસ્થા

અ.નં.	વિગત	તારીખ
(૧)	શીક્ષક કાર્યની શરૂઆત (૧) સ્નાતક કક્ષા (૨) અનુસ્નાતક કક્ષા / વિભાગો	બુધવાર, તા.૧૫-૦૬-૨૦૧૬
(૨)	એનરોલમેન્ટ સોમ તથા અનુસ્નાતક રજીસ્ટ્રેશન સોમ યુનિ. ને મોકલવાની છેલ્લી તારીખ (દરેક ફેકલ્ટી માટે)	બુધવાર, તા.૩૧-૦૮-૨૦૧૬
(૩)	પ્રથમ સત્ર આંતરિક કસોટી (સેમેસ્ટર માળખાં સહિત)	સોમવાર, તા.૨૬-૦૯-૨૦૧૬
(૪)	ઓક્ટોબર યુનિવર્સિટી પરીક્ષાઓ (સેમેસ્ટર માળખાં સહિત)	T.Y. અને A.T.K.T. પરીક્ષા ગુરુવાર, તા.૧૩-૧૦-૨૦૧૬ થી શનિવાર, તા.૨૨-૧૦-૨૦૧૬ સેમેસ્ટર પરીક્ષા ગુરુવાર, તા.૧૮-૧૧-૨૦૧૬ થી
(૫)	દિવાળી વેકેશન (સ્નાતક અને અનુસ્નાતક અભ્યાસક્રમો માટે)	સોમવાર તા.૨૪-૧૦-૨૦૧૬ થી બુધવાર તા.૧૬-૧૧-૨૦૧૬
(૬)	દ્વિતીય સત્રની શરૂઆત	ગુરુવાર ૧૫-૧૨-૨૦૧૬
(૭)	એસેસમેન્ટ	પરીક્ષા પછી તરત
(૮)	દ્વિતીય આંતરિક કસોટી (સેમેસ્ટર માળખાં સહિત)	શુક્રવાર તા.૧૦-૦૩-૨૦૧૭
(૧૦)	માર્ચ - જૂન યુનિવર્સિટી પરીક્ષાઓ	P.G સોમવાર તા.૩-૪-૨૦૧૭ થી U.G સોમવાર, તા.૩-૪-૨૦૧૭ થી
(૧૧)	એસેસમેન્ટ	પરીક્ષા પછી તરત
(૧૨)	દ્વિતીય સત્રનો અંત	કોલેજ બુધવાર તા.૧૪-૬-૨૦૧૭ ડિપાર્ટમેન્ટ બુધવાર તા.૧૪-૬-૨૦૧૭
(૧૫)	ઈનાબુ વેકેશન	કોલેજ ગુરુવાર તા.૨૭-૪-૨૦૧૭ થી બુધવાર તા.૧૪-૬-૨૦૧૭ સુધી ડિપાર્ટમેન્ટ ગુરુવાર, તા.૧૧-૫-૨૦૧૬ થી બુધવાર તા.૧૪-૬-૨૦૧૭ સુધી
(૧૬)	શીક્ષક વર્ષ ૨૦૧૭-૧૮ના શીક્ષક કાર્યની શરૂઆતનો પ્રથમ દિવસ	કોલેજ ગુરુવાર તા.૧૫-૬-૨૦૧૭ ડિપાર્ટમેન્ટ ગુરુવાર તા.૧૫-૬-૨૦૧૭
(૧૭)	યુવક મહોત્સવ	જાન્યુ - ૨૦૧૭ ના પ્રથમ અઠવાડિયામાં
(૧૮)	એન.એસ.એસ. કેમ્પ	દિવાળી વેકેશન દરમિયાન

ક્રમાંક : એકે./સત્ર વ્યવસ્થા/૧૩૮૬૭/૨૦૧૬

તા.૩૦-૦૭-૨૦૧૬


ઈ.સા.કુલસચિવ

પ્રતિ,

- (૧) વિજ્ઞાન વિદ્યાશાખા રેક્રૂટમેન્ટ સંલગ્ન કોલેજોના આચાર્યશ્રીઓ તથા અનુસ્નાતક ભવનોના વડાશ્રીઓ
- (૨) પરીક્ષા વિભાગ, વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી, સુરત.
- (૩) હિસાબી વિભાગ, વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી, સુરત.
- (૪) વહીવટી વિભાગ, વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી, સુરત.

.....પ્રતિ જાણ સારું.

Annexure II

Conferences/Symposia etc.

a) International

Presented papers:

Anita Bahadur presented a paper on Effects of different bio-molecules on CP and aggregation in ACCIS University of Malaya, Malaysia during 7/8/2017 to 8/8/2017.

b) National

Resource persons:

Dr A H Dholakia: One day state level seminar on “Environmental awareness” on the celebration of World Ozone Day at Government Science College, Vankal, Ta. Mangrol, Dist. Surat on 19/09/2016.

Dr D V Shah: Gave an invited talk on “Prof. R. C. Gupta Endowment Lecture: Life and works of Ramanujan” during ‘51st Annual Conference of ‘The Association of Mathematics Teachers of India’ on 15th November, 2016. He also delivered an invited talk at the ‘National Conference on Algebra, Analysis and Graph Theory’ organized by Saurashtra University, Rajkot during 09th to 11th February, 2017.

Dr. M. B. Mahida: Delivered a talk in One-Day State Level Seminar on “Environmental awareness’ on the occasion of World Ozone Day on 19th September, 2016 at government science college, Vankal.

Presented papers

Anita Bahadur: Toxic effect of a cationic surfactant Cetyl trimethyl ammonium bromide on different organs of fish Catla catla : A histopathological study. Conference/Seminar: BTSE, VNSGU, Surat

Workshops/Seminars etc Attended

1. One-day Workshop on “Eco Sensitive Zone for Wild Life and Natural Resources of Gujarat”, at Serenity library and Botanical garden, Gandhinagar. Jointly organized by the Serenity Trust, Gandhinagar and Technical Collaboration with Nal Sarovar Bird Sanctuary, Wild life division, Sanand, Gujarat State Forest department.
2. Dr A H Dholakia attended a Two-day workshop on “Best practices in higher education” organized by KCG, at KCG, Ahmedabad, under RUSA Preparatory grant during 26th and 27th August, 2016.

3. Ms Vibha Vansola and Ms Charmy Desai participated in the “Nuclear Reactions and Applications” sponsored by “Board of Research in Nuclear Science” and organized by Nuclear Data Physics Centre of India, at BARC, Mumbai, during 2nd to 12th November, 2016.
 4. Ms Charmy Desai attended “Quasi Elastic Fusion Reaction Experiment” under Dr B K Nayak from BARC, Mumbai at LINAC Pelletron Facility, TIFR, Mumbai during 22nd to 28th November, 2016.
 5. Dr. M. B. Mahida and Dr. M. H. Chaudhri attended a one day seminar on “Chemistry meets technological developments” on 7th January, 2017 held at V. S. Patel College of Arts and Science, Billimora.
 6. All the staff members of the college attended UGC sponsored state level workshop on “Fundamentals of Quantum Mechanics” organized on 13th February, 2017 by the Department of Physics, Sir P T Sarvajanic College of Science, Surat.
 7. Anjali V. Varshney and Jaishree D. Chaudhari of the department of Botany participated in A National level seminar on, “Biological sciences and current day trends in teaching and Research”, Organized by department of Biology, Gujarat Arts and Science collage, Amdavad on 17th September, 2016.
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Symposium

Posters presentations

- Ms Vibha Vansola on (i) “Measurement of ^{232}Th (n, g) reaction cross-section at the neutron energy 5.09 MeV” and (ii) “Neutron induced cross-section for Sn isotopes of interest in fusion reactor technology” at the 61st DAE-BRNS Symposium on Nuclear Physics held at Saha Institute of Nuclear Physics, Kolkata during 5th to 9th December, 2016.
- Ms Charmy Desai presented a poster on “Study of heavy-ion reactions $^{16}\text{O} + ^{208}\text{Pb}$ & $^{16}\text{O} + ^{238}\text{U}$ in Classical Molecular Dynamics Model” at the 61st DAE-BRNS Symposium on Nuclear Physics held at Saha Institute of Nuclear Physics, Kolkata during 5th to 9th December, 2016.

Annexure III

Research papers:

Dr A. Bahadur – Department of Zoology:

- 1) Preparation of Lipase Loaded Chitosan Nanoparticles and its Estimation Using Different Additives, *Research & Reviews: A Journal of Life Sciences* 6(2016)19-27
- 2) Glucose triggered enhanced solubilisation, release and cytotoxicity of poorly water soluble anti cancer drugs from T1307 micelles. *Journal of Biotechnology* 254 (2017) 43–50
- 3) Tuning the self-assembly of EO-PO block copolymers and quercetinsolubilization in the presence of some common pharmaceutical excipients: A comparative study on a linear triblock and a star block copolymer. *Journal of Molecular Liquids* 241 (2017) 511–519
- 4) Modulating effect of different bio-molecules and other additives on cloud point and aggregation of amphiphilic linear and star block copolymer. *Journal of Molecular Liquids* 249 (2018) 219–226
- 5) Variation in Activity of Lipase Immobilized on Chitosan and Alginate Nanoparticles by Changing Concentration of the Preparatory Reagents, *Research & Reviews: A Journal of Life Sciences* 7(2017)17-22
- 6) Hematological Alterations In Indian Major Carp Catla Catla (Ham.) Under The Stress of Zinc Metal Ion, *Journal of Global Biosciences* 5 (2016) 4298-4304.
- 7) Histopathological Effects of Silver Nanoparticles on Gills and Liver of Freshwater Fingerlings Catla catla (Ham.) *Research & Reviews: A Journal of Toxicology* 6 (2016)18-27
- 8) Comparison of total protein content in the muscles of Catla catla on Exposure to Ag and ZnO nanoparticles and their metal ions, *Research & Reviews: A Journal of Life Sciences* 7 (2017)1-6.
- 9) Salt induced micellar growth in aq solution of star block copolymer tetronic investigating the role of solubilizing release and cytotoxicity of model drugs. *Journal of molecular liquids* 224 (2016) 303–310.
- 10) Systematic characterization of pluronic micelles and their applications for solubilization and *invitro* release of anticancer drugs. *Journal of Molecular Liquids* 230 (2017) 473–481.
- 11) A new approach to the generalized Lucas sequence: Mathematics Today. (Accepted for publication) Dec. 2016. [ISSN: 0976-3228]

Ms Vibha Vansola – Department of Physics:

1. Experimental Cross-section Measurement of $^{nat}\text{Nb}(p,n)^{93m}\text{Mo}$ reaction up to 20 MeV energy. DAE Proceedings Vol. 61, 2016

2. Measurement of ^{232}Th (n, g) reaction cross-section at the neutron energy 5.09 MeV. DAE Proceedings Vol. 61, 2016
 3. Neutron induced cross-section for Sn isotopes of interest in fusion reactor technology. DAE Proceedings Vol. 61, 2016
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