



**Charutar Vidya Mandal's**  
**Natubhai V. Patel College of Pure and Applied Sciences**

**Re - Accredited 'A' Grade by NAAC**  
**Affiliated to Sardar Patel University**

**Near Mota Bazar, Vallabh Vidyanagar - 388120**  
**Dist.: Anand, State: Gujarat, India**  
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**Annual Quality Assurance Report (AQAR)**

**2017 - 18**

Submitted to

**National Assesment & Accreditation Council (NAAC)**

Nagarbhavi, Bangaluru - 560072

**May, 2018**

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

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

## Part – A

### I. Details of the Institution

1.1 Name of the Institution	2017-18
1.2 Address Line 1	CHARUTAR VIDYA MANDAL'S Natubhai V. Patel College of Pure and Applied Sciences
Address Line 2	Near Post Office,
City/Town	Mota Bazar
State	Vallabh Vidyanagar
Pin Code	GUJARAT
Institution e-mail address	388 120
Contact Nos.	02692-235500
Name of the Head of the Institution:	Dr. Basudeb Bakshi
Tel. No. with STD Code:	02692-235500

Mobile:

09427382875

Name of the IQAC Co-ordinator:

Dr. Rita N. Kumar

Mobile:

09825924687

IQAC e-mail address:

ritankumar@yahoo.co.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

GJCOGN13836

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/PCA/48/40 dated 8-3-2009

1.5 Website address:

[www.nvpas.edu.in](http://www.nvpas.edu.in)

Web-link of the AQAR:

[www.nvpas.edu.in/AQAR2017-18.doc](http://www.nvpas.edu.in/AQAR2017-18.doc)

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

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	3.10	2009	5 Years
2	2 <sup>nd</sup> Cycle	A	3.01	2016	5 Years
3	3 <sup>rd</sup> Cycle	-	-	-	-
4	4 <sup>th</sup> Cycle	-	-	-	-

1.7 Date of Establishment of IQAC : DD/MM/YYYY

25.06.2009

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

2017-2018

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 2016-17 Submitted to NAAC on 08.01.2018 (Online)
- ii. AQAR 2015-16 Submitted to NAAC on 22.07.2016 (Online)
- iii. AQAR 2014-15 Submitted to NAAC on 05.06.2015 (Online)
- iv. AQAR 2013-14 Submitted to NAAC on 14.10.2014 (Online)
- v. AQAR 2012-13 Submitted to NAAC on 26.09.2013 (Online)
- vi. AQAR 2011-12 Submitted to NAAC on 28.09.2012 (Online)
- vii. AQAR 2010-11 Submitted to NAAC on 21.09.2011
- viii. AQAR 2009-10 Submitted to NAAC on 01.07.2010

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

(eg. AICTE, BCI, MCI, PCI, NCI)

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)  Engineering  Health Science  Management

Others (Specify)

B.C.A.  
M.Sc. IT Integrated Course (5 Years)

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

Sardar Patel University

**1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc**

Autonomy by State/Central Govt. / University

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University with Potential for Excellence

----

UGC-CPE

----

DST Star Scheme

----

UGC-CE

----

UGC-Special Assistance Programme

----

DST-FIST

----

UGC-Innovative PG programmes

----

Any other (*Specify*)

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UGC-COP Programmes

√

## **2. IQAC Composition and Activities**

2.1 No. of Teachers	16
2.2 No. of Administrative/Technical staff	01
2.3 No. of students	03
2.4 No. of Management representatives	03
2.5 No. of Alumni	02
2.6 No. of any other stakeholder and community representatives	01
2.7 No. of Employers/ Industrialists	01
2.8 No. of other External Experts	01
2.9 Total No. of members	28
2.10 No. of IQAC meetings held	

2.11 No. of meetings with various stakeholders:	No.	12	Faculty	08
	Non-Teaching Staff	5	Alumni	01
	Students		Others	2

2.12 Has IQAC received any funding from UGC during the year? Yes  No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  State  Institution Level

(ii) Themes

## 2.14 Significant Activities and contributions made by IQAC

- \* Conduction of Faculty development Programs for faculty members
- \* National and State Level seminars/workshops organized
- \* Conduction of bridge course for first year students
- \* E-learning through Moodle/ERP/Flick
- \* Extension activity

## 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. IQAC to conduct Faculty development Programs for faculty members	<p><b>1.(a) IQAC organized an invited talk</b> on the topic “Autonomy : Challenges to higher institutions on <b>8<sup>th</sup> March 2017</b>” by <b>Dr D P Singh</b>, Chaiman of P G Board of AICTE from <b>New Delhi</b>. The Principals and IQAC Coordinators of various colleges of Sardar Patel Uni were invited for participation</p> <p><b>1.(b) IQAC organized one day Faculty Development Program</b> on “ Quality Education through Academic Autonomy” on <b>24<sup>th</sup> March 2017</b> jointly organized with IQAC of VP &amp; RPTP Science College. The Principals and IQAC Coordinators of various colleges participated.</p> <p><b>1.(c) IQAC organized one day faculty development program</b> for all trainee teachers of NVPAS on <b>28<sup>th</sup> Sept 2017</b>. Prof M K Yagnik, Director HRDC was invited to inaugurate the program. Dr Kumar, Dr Akshay Gupte , Dr Madhu Bora, Dr Smita Srivastava, Ms Shreya Bhavsar, Dr Tejas Thakkar, Dr Yogesh Patel and Dr Archana Shah worked as resource persons for various activities. The program was supported by NSS unit.</p> <p><b>1.(d) IQAC &amp; Staff club organized faculty development program</b> on website and Blog development “Web Development using Word press”, for the faculty members of the college Hands on training was provided by faculty members of Computer Science dept of the college</p>
2. TO organize National and State Level seminars	<b>2.(a) National Seminar on “Environment. Pollution and Climate Change”-EPCC 2018</b>

	<p><b>was organized on 30<sup>th</sup> January 2018.</b></p> <p>2.(b) State Level 29<sup>th</sup> Inter Collegiate Competition held under the aegis of Gujarat Integrated Biology Network <b>(GIBioN)</b> jointly organized by GSBTM and Microbiology Study Circle, J &amp; J College, Nadiad and NVPAS on 28/01/2018</p> <p>2.(c) Workshop on <b>“Frontiers of Environmental Science: A better perspective”</b> on 13<sup>th</sup> Sept 2017</p> <p>2.(d) <b>“workshop cum training on Persistent Organic Pollutant”</b> on 11 Dec 2017</p> <p>2.(e) <b>World Wetland Day workshop</b> on 2<sup>nd</sup> February 2018</p>
3.To conduct bridge course for first year students	<b>3.</b> Two-Week Bridge Course for the students of First Semester with a view to helping them develop their competence in using English language more proficiently.
4. To strengthen e- learning	4.. E-learning was strengthened through effective use of Moodle, Flint and ERP by faculty and students

*\* Attach the Academic Calendar of the year as Annexure.*

2.15 Whether the AQAR was placed in statutory body      Yes       No

Management       Syndicate       Any other body

Provide the details of the action taken

The AQAR was discussed in advisory committee of the institution that comprised of Management personnel and academic experts from various organizations. The views and suggestions were again discussed for further inclusion and implementation.



# AQAR REPORT (2017 - 2018)

## 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	00		00	
PG	01		01	
UG	12		12	
PG Diploma				
Advanced Diploma				
Diploma			01	01
Certificate			06	06
Others				
<b>Total</b>	13		20	20
Interdisciplinary				
Innovative				

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	13
Trimester	---
Annual	---

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students   
*(On all aspects)*

Mode of feedback : Online  Manual  Co-operating 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 has taken initiative for revision of syllabi this year and number of committees were constituted subject wise accordingly. The syllabus for First year B.Sc. for semester I and semester II has been prepared which will be implemented from next academic year 2018-19.

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
37	33(2017-18)	----	----	Physical Instructor: 1 Librarian: 1 Adhyapak Sahayak: 2

2.2 No. of permanent faculty with Ph.D.

28

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
37	Nil	-	-	-		04		37	

2.4 No. of Guest and Visiting faculty and Temporary faculty

Nil

Trainee teachers:33

Adhyapak Sahayak:02

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	2	18	3
Presented papers	1	5	
Resource Persons		3	13

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

- Regular tutorial classes and remedial class for weak learners
- For advance learners add on courses and skill development programmes are conducted
- Entrance exam preparation cell prepares student to clear national level competitive test for getting admission at PG level.
- Knowledge sharing forum, carbon foot print club and techno entrepreneur club
- Entrepreneurship program conducted for students to help in motivating them to be an entrepreneur in their field of choice.
- Project based learning in some courses as a part of curriculum
- Encouragement for participation in various state/national level competitions.
- Increase in the number of ICT enabled classrooms.
- Use of portable mike system for addressing classes with higher strength.
- Certificate courses in various departments ( BT GT BNF, MI Computer and English)
- Skill development programme in some departments ( BT, GT & BNF, MI & Physics)conducted for hand on training.

- To ensure the course coverage : it is verified by the respective class representative's signature, HOD sign and Principal's sign on submitted information of each faculty after every unit completion.
- One day workshop for Trainee staff on innovations in teaching by senior faculties and HoD's.

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

180
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2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Pre examinations reforms	
1. academic calendar	On the basis of University calendar academic calendar for every semester is prepared in consent with principal and all HODs by the exam coordinator
2. Time table for weekly Unit test	Time table with guidelines for paper setting is prepared and displayed on all notice boards.
3. Supervision duties	Block wise junior supervision duties are assigned to faculties and senior supervision to HODs for every week in a prescribed format so that they know in advance about their duties for the whole semester.
3. Syllabus and Paper submission	Concerned faculty displays syllabus for exam and prepares a question paper and required number of copies are submitted in sealed envelope 3-4 days prior to exam to sectional exam coordinator of department.
Examination reforms	
Block wise roll numbers in each class room.	Two students from different streams are allocated one bench. Thirty students in one block per supervisor.
Reporting time	Supervisors are required to report 30 min prior to the commencement of exam.
Allotment of blocks/room for supervision duty	Each supervisor is assigned a block of 30 students.
Malpractices are prohibited	Any defaulter is reported by block supervisor to senior supervisor, who expel him/or her from exam hall with putting zero marks in his copy.
Submission of answersheets	After completion of exam of one hr block supervisor collects the copies and get it checked and verified by spare supervisor of that day and then submits to senior supervisor who after verifying the number and other detail signs and submit to office.
Post examination reforms	
Distribution of answer sheets	Answer sheets are distributed to the concerned teacher for evaluation to be finished in a week of exam date.
After evaluation by the teacher	Answer sheets are shown to students and is discussed by the teacher for any query.

Marks entry	Subject teacher enters all marks in ERP system of college, and hard copy of marksheet is displayed on notice board and one copy is submitted to office.

- Transparency in evaluation by showing answer sheets of internal exams to students.
- Before submitting the internal marks to the university, it is verified by the teaching staff and then displayed on notice board for verification by students. Any query raised by student is sorted out in neutral manner.

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

BOS -14	Faculty-14	
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2.10 Average percentage of attendance of students

80%
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2.11 Course/Programme wise distribution of pass percentage :

Programme	No. of Stud. Appeared	No. of Stud. Passed	Pass %
Bioinformatics	09	09	100
Information technology	08	07	87.50
Instrumentation	17	12	70.59
Biotechnology	33	29	87.88
Microbiology	59	50	84.74
Environmental sciences	41	40	97.56
Genetics	28	28	100
Chemistry	116	60	51.72
Industrial Chemistry	60	37	61.66
Mathematics	43	29	67.44
BCA	41	36	87.80
MSc IT	17	17	100
<b>Total</b>	<b>472</b>	<b>354</b>	<b>75.0</b>

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

The IQAC of the institution is composed of Head and one faculty representative from each department. Therefore, the teaching learning process is monitored and evaluated quite easily by IQAC.

The use of innovative methods in teaching learning is encouraged by IQAC.

This year IQAC enabled 35 faculty members to participate in International Faculty Development Program which specially emphasized on innovation in teaching and learning processes. Every Year IQAC performs following tasks.

- It plans and executes academic calendar to meet the goals set for institute .

- It ensures the completion of syllabus and other necessary activities with the goals of higher education.
- It plays an active role in forming an agenda and works along with various committees.
- It monitors the implementation of the curriculum.
- It ensures that suggestions are implemented to enhance the overall potential of the students
- It suggests and organizes workshops and sensitization program for the upliftment and capacity building of faculty
- It emphasizes use of ICT in class room teaching
- It initiates collection of feedback from students, alumni and parents which is then analysed for suggestions on further improvement.

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	
UGC – Faculty Improvement Programme	35
HRD programmes	
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	35
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	10
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	34	Nil		
Physical instructor	1	Nil		
Technical Staff	10	nil		

No. of Faculty	International level	National level	State level
Attended	2	18	3
Presented papers	1	5	-
Resource Persons	-	3	13

## Criterion – III

### 3. Research, Consultancy and Extension

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

The role of IQAC in promoting the research Climate among students is noteworthy. The college has well experienced faculty working as research guides in various subjects like Microbiology, Biotechnology, Botany, Environmental Science, Chemistry, Industrial Chemistry and Physical Sciences. Eleven faculty members serve as guides for Ph D program. The students can enrol for Ph.D programme under the recognized supervisor. At undergraduate level, the project work /dissertation is introduced in many subjects in order to promote research culture in young minds.

#### 3.2 Details regarding major projects

	Completed	Ongoing(Rs.)	Sanctioned (Rs.)	Submitted(Rs.)
Number	---	02		
Outlay in Rs. /Lakhs	---	30,80000/-	22,80,000/-	24,00000/-

#### 3.3 Details regarding minor projects : NIL

	Completed	Ongoing	Sanctioned	Submitted
Number				
Outlay in Rs. Lakhs				

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	25	03	
Non-Peer Review Journals		04	
e-Journals			
Conference proceedings		01	

#### 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 (Rs)
Major projects	2016-17 continued projects & NEW PROJECTS	DBT, ISRO		22,80,000/-
Minor Projects	NIL			
Interdisciplinary Projects	NIL			

Industry sponsored	NIL	NIL	NIL	NIL
Projects sponsored by the University/ College	NIL	NIL	NIL	NIL
Students research projects <i>(other than compulsory by the University)</i>				
Any other(Specify)	NIL	NIL	NIL	NIL
Total				22,80,000/-

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

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.9 For colleges  
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	NIL	01	01	NIL	NIL
Sponsoring agencies	-----	Gujarat Ecology Commision	, ISRO	-----	-----

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

Type of Patent		Number
National	Applied	NIL
	Granted	NIL
International	Applied	NIL
	Granted	NIL
Commercialised	Applied	NIL
	Granted	NIL

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
02	NIL	02	03	02	NIL	02

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

11

08

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

02

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

JRF

01

SRF

nil

Project Fellows

NIL

Any other

00

3.21 No. of students Participated in NSS events:

University level

146

State level

89

National level

158

International level

NIL

3.22 No. of students participated in NCC events:

University level

15

State level

15

National level

01

International level

00

3.23 No. of Awards won in NSS:

University level

01

State level

02

National level

00

International level

---

3.24 No. of Awards won in NCC:

University level	00	State level	02
National level	00	International level	00

3.25 No. of Extension activities organized

University forum	01	College forum	04		
NCC	00	NSS	05	Any other	01

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

- What is GST ? What will be its implication? Many such questions were raised by society at the time of its implementation. The NSS volunteers took the initiative and came up with meaningful Drama presentation on GST which was performed at number of academic institutions in front of college students to provide clear and true understanding. It was performed by NSS volunteers at Waymade College of Education, V. V. Nagar on **01-08-17**. Fifty students of Waymade College watched this drama.  
at Tarkesh and Niranjana Sureshbhai Patel, Boriyavi, 90 students benefited.  
at M. B. Patel College of Applied Sciences, Mogri on **05-08-17**. 126 students benefited.  
at St. Stephen College on **10-08-17**. 150 students of the college watched this drama.
- To Vote is the right of every Indian citizen and this right must be exercised correctly by each individual.  
The NSS unit, in association with P.G. Dept of Social Work, S. P. University organized a rally on **08-12-17** for spreading awareness about significance of voting. Hundred volunteers of the college with play cards in hands visited the main areas of V. V. Nagar township. The banners were displayed at University entrance and the visitors were encouraged to make a oath of voting by signing on the banner for voting. This signature campaign attracted many college students.
- The rural women of Naman village (Ta: Borsad, Dist: Anand) were addressed by the IQAC Coordinator, Dr. Rita Kumar and Convener of Women Development Cell -Dr. Shweta Joshi on the issues such as 'Health and Hygiene', 'Government schemes for Women' on 05.01.2018 during Annual NSS camp.
- The eye check up camp was arranged for the villagers of Naman in collaboration with Shree Krishna Hospital, Karamsad. The follow up led to free of cost cataract operations of 22 villagers at Sankara Eye Hospital, Mogar (Dist: Anand) on 03-01-18.
- In order to make the people alert about the issues of social evils such as 'Dowry', 'Addiction Eradication' and 'Domestic Violence', street plays were performed by NSS volunteers.
- A Free Medical Check-up Camp was organized wherein a team of doctors and paramedical staff from Surajben Govindbhai Patel Ayurvedic Hospital, New Vallabh Vidyanagar examined 227 villagers and free medicines were distributed.

## 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	2.96 Acres / 6796 mts	-	Self Finance (CVM)	2.96 Acres / 6796 mts
Class rooms	22	-	Self Finance (CVM)	22
Laboratories	27	-	Self Finance (CVM)	27
Seminar Halls	1 auditorium	-	Self Finance (CVM)	1
Canteen	1	New Canteen Constructed	Self Finance (CVM)	1
Multipurpose Room		1 New Multipurpose Room	Self Finance (CVM)	1
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.		1 Server , 5 Client machines	GSBTM for Bioinformatics lab	1 Server , 5 Client machines
Value of the equipment purchased during the year (Rs. in Lakhs)	-	20 Lakh	GSBTM for Bioinformatics lab	20 Lakh
Others equipments (Rs. In Lakhs)	-	Lab Equipment purchase - 0.92 Lakh	Self Finance (CVM)	0.92 Lakh
		1 Computer worth Rs. 0.99 Lakh	ISRO Project	0.99 Lakh
	14	16 CCTV Camera 1.40 Lakh	Self Finance (CVM)	30 CCTV Camera

#### 4.2 Computerization of administration and library

The process of the institute administration is computerized. All data related to academic i.e. students' admission, faculty information, counselling data, exam result data etc. are managed by computerised system. Account related data such as fee, staff salary, issuing of Bonafied certificates, Transcripts, payroll etc.have been computerized in a software developed by college staff . Support of LAN printing is available for all staff members. The ERP system can be accessed through LAN as well as Wi-Fi within the main college building. The college library named as "S S Patel Library" is fully furnished with internet, multimedia and reprographic facilities. Library is furnished with 6 computers and printers. Internet facility is available through Wi- Fi. Books are completely bar-coded. The use of soul software for the smooth Functioning of library work is done.

#### 4.3 Library services:

		Existing		Newly added		Total	
		No.	Value (Rs.)	No.	Value (RS.)	No.	Value (Rs.)
Text Books		16,784	19,87,837.00	92	33,793	16876	20,21,163.00
Reference Books		684	6,65,502.95	06	8,292	690	6,73,794.95
e-Books		INFLIBNET					
Journals		17	15,550.00	-	23,900	17	23,900
e-Journals		INFLIBNET					
		5,900					
Digital Database		-	-	-	-	-	-
CD & Video		631	2,500	23	-	654	2,500
Others	Magazine	38	23,929	4	2010 (4 added) Total 42,33,545	42	33,545
	Newspaper	7	7,962	-	10,864	7	10,864
	EEPC Books (Funded by GSBTM)			36	12,523	36	12,523

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	LCD projectors	Computer Centres	Office	Departments	Others
Existing	207	120	67	09	---	06	08	06
Added	00	00	00	04	---	01	00	00
Total	207	120	67	13	---	07	08	06

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

**Computer and Internet Access:** Computer facility is available throughout the campus including Computer Laboratories which includes total 220 Computers.

Internet access is provided through LAN. It is available in 87 computers at Computer labs, Principal's Office, College Office, HOD Cabins and in Staff Rooms for Academic and Administrative work. Wi-Fi facility is available to all registered staff members as well as students to provide internet access 24 x 7 at college as well as library building.

**Computer Science Department** organized 3days “Entrepreneurship Awareness Camp from 10th Aug 2018 to 12 Aug 2018” sponsored by DST-NIMAT.

**Computer Science Department** conducted **online course of Spoken Tutorial Project** which is initiative of the “Talk to a Teacher’ activity of the National Mission on Education through ICT Launched by Ministry of Human Resource and Development , government of India.

**Libre Office Writer course** was also conducted in 2017-18 for the entry level students of BCA and B.Sc (CA&IT)-M.Sc (CA&IT) dual degree Integrated courses.s

**Course in Web Designing:** Computer Science Department organized 30 hours duration Certificate Course in Website Development, syllabus of this course is updated every year as per the current trends in Web technology which includes usage of HTML 5, CSS and Bootstrap. To promote the use of ICT, Computer Science department allows students of all the courses to enrol for this certificate course.

**The ERP system is developed and maintained by Computer Science Department** for storing student information, internal marks, attendance and letter report generation for counselling system.

**Advance Learner Cell of Computer Science Department conducts Workshops/ Seminar :**

1. “Internet of Things- TOP Technologies, Ahmedabad.

4.6 Amount spent on maintenance in lakhs:

i) ICT	15.26
ii) Campus Infrastructure and facilities	139.0
iii) Equipments	0.92
iv) Others	6.17
<b>Total:</b>	161.35

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

NVPAS is keen to take care of its students by conducting various awareness programmes under the IQAC. The new comers are addressed by Principal during the first day meeting and are informed about college activities and student support services.

In the beginning of academic term, College has organized orientation programme (Parampara) for First year students at Sardar Patel Museum, Karamsad. The chief guest of the programme was Dr. Gurusevak Singh, Cultural coordinator of Sardar Patel University. Around 450 students were oriented regarding college, courses, Madhyastha samiti activities, Examinations, Anti raging cell, Women development cell, Sports activity etc. by concern coordinators/incharge of portfolios. The Madhaystha Samiti provides platform for students activities which are monitored by IQAC.

#### 5.2 Efforts made by the institution for tracking the progression

1. Monitoring through counsellors about overall performance
2. Result of weekly unit tests and prelim tests and university examinations
3. Participation in various curricular and co-curricular activities and awards.
4. Keeping records of alumni through Alumni Association

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1505	12		

#### (b) No. of students outside the state

27
----

#### (c) No. of international students

00
----

No	%
901	59.8

Men

Women

No	%
616	40.9

Last Year(2016-2017)						This Year(2017-2018)					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1055	40	79	303	04	1481	981	38	74	264		1517

Demand ratio not applicable

Dropout % = 7.8 % (119 students)

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

For preparing the students for competition examinations, college has EEPC Cell which conducts classes throughout the year and prepares them for Entrance Exam in the field of Biological Sciences. The EEPC cell run by Faculty members Dr. Kundan Mishra, Dr. Amit Ballani and Dr. Urvish Chhaya. The books for entrance exam preparation are made available in the library.

No. of students beneficiaries

120

#### 5.5 No. of students qualified in these examinations

NET 02

SET/SLET 00

GATE 01

CAT 00

IAS/IPS etc 00

State PSC 00

UPSC 00

Others 00

## 5.6 Details of student counselling and career guidance

The college has unique and effective Counselling system since its inception. It functions with the goal of making the students' graduation process more efficient and smooth. It enables the students for self discovery growth, building self confidence, problem solving and to achieve educational and professional goals. The college has its counselling committee with a counselling coordinator and sectional coordinators for monitoring effective implementation and execution of counselling policies adopted by the college. Dr. Shveta Joshi, the counselling coordinator is provided with a team of 53 counsellors. To strengthen the process and to encourage the counsellors, the Best Counsellor Award is declared every year. This year, for 2017-18, the award was bagged by Dr.Yachana Jha and Dr. Hasmukh Patel.

For Career Counselling: "Career Quantum" is unique forum which conducts the programs for Final Year students to know about various career options/P.G. programs available after bachelor's degree. By this forum, every year expert faculties are invited to guide the students of final semester. These invited faculties are from the esteemed institutions like ISTAR, ARIBAS and other PG Institutions of Sardar Patel University. They provide proper information and guidance in their subject areas. This year the programme was organised on 23/01/2018.

No. of students benefitted

1700

## 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
01	115	52	nil

## 5.8 Details of gender sensitization programmes

On 20th February 2018, a workshop on "Gender Equality" was organized for young students of the college to aware them about their individual role in the society. About 140 students, boys and girls actively participated in the workshop. The invited experts were, Prof. Dr. Manisha Goel and Prof. Dr. Deepak Sharma, both are the faculty member at Community Medicine Department at Pramukh Swami Medical College, Karamsad.



## 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 (Rs)
Financial support from institution	07	61,000
Financial support from government	Under Process	
Financial support from other sources	Under Process	
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

5.13 Major grievances of students (if any) redressed:

<b>Grievance</b>	<b>Redressed</b>
Canteen facility	New Canteen set up
Talk zone Area- Seating arrangement and power supply for charging facility	Additional more Chairs and power supply have been provided

# **Criterion – VI**

## **6. Governance, Leadership and Management**

### **6.1 State the Vision and Mission of the institution**

**Vision** –We are determined to constantly strive towards excellence in science education and research by promoting academic freedom, experimentation with new paradigms and creativity in complete alignment with the principles of human wellbeing and social welfare.

**Mission**– College has an aim to impart quality education and cultivate a community of enlightened minds with insatiable thirst for knowledge who acquire and apply scientific knowledge within the compass of ethical, ecological and economic values for the sustained and inclusive growth of society and nation.

### **6.2 Does the Institution has a management Information System**

Yes. The college has its own ERP system to help the teaching and administrative staff for smooth flow of information and instructions. The college administration also makes use of the social apps like WhatsApp for speedy communication from management level to students level. The web based facilities like MOODLE and FLINNT for teachers/mentors and students for communication is another asset under which almost all students are covered. The account section of the college administration also makes use of the software like Tally for smooth working. The library of the college is equipped with the SOUL software for the smooth access and the issue/return of the books.

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

#### **6.3.1 Curriculum Development**

The curriculum is revised regularly by university for all subjects and faculty members are the members of Board of Studies as well as faculty of Science and the syllabus framing committees of Sardar Patel University in all the subjects. This academic year the curriculum development as per new structure was initiated where the faculty members actively participated as members/ convenors for various subject curriculum development for First year courses.

### **6.3.2 Teaching and Learning**

The Teaching and Learning process is strengthened and made more student-centric through various academic activities which makes the whole system more result oriented. The glimpses of such activities are as follows:

- Use of audio-visual aides like LCD projectors, electronic board, portable loud speakers, etc.
- ERP system is extensively used by the faculty members for examination, class room attendance monitoring and the students' progress monitoring.
- Certificate and Add on courses run by the various departments
- National and state level seminars, workshops/ conferences organised by the Departments.
- Faculty Development Programme by external agencies.
- Weekly tests conducted throughout the academic year.
- Tutorial classes for first year students
- The Entrance Examination Preparation cell (EEPC) and NBTCBC (Network of BioTechnology Capacity Building Cell) sponsored by GSBTM (Gujarat State Biotechnology Mission) as nodal centre for Anand-Vadodara region to train the students for National level entrance examinations to get admissions to various PG courses.

### **6.3.3 Examination and Evaluation**

The Examination Cell of College ensures the smooth conduct of Internal and External (University) examinations throughout the year. Guided by the Examination Coordinator, the committee runs all the exams by circulating notices, guidelines and takes care of its implementation. The various modes of functioning of the committee are given below:

- Preparation of Evaluation guidelines by the Examination coordinator
- Preparation and circulation of course wise unit test schedule including guidelines about mark distribution pattern and evaluation pattern, assessment deadlines and mark sheet submission deadlines.
- Preparation and circulation of Guidelines for practical examination by the Head of the Department to faculty members.
- Monitoring of student attendance and performance by counsellors.
- Analysis and review of the suggestions received from the students obtained through suggestion box and feedback forms Grievance Redressal Committee and Principal.
- Monitoring of classrooms through CCTV camera to review teaching-learning and examination process.

### **6.3.4 Research and Development**

The faculty members of the college are actively involved in research activities. There are eleven Ph. D. Research Guides recognised by Sardar Patel University under whom research students work for doctorate degree program. The college has ongoing research projects from various national funding agencies like GUJCOST, DBT, UGC, FES, DST, ISRO, MHRD etc. Well

equipped Research laboratories are available in Biological, Physical and Chemical Science departments.

### **6.3.5 Library, ICT and physical infrastructure / instrumentation**

The S. S. Patel NVPAS College Library is located in front of the College building across the road. The library is fully equipped with sufficient number of books and other resources and is continuously enriched with new books and facilities. Some of the salient features are as follows:

- Bar-coding system and soul software is employed for issue and return of books.
- Library is equipped with INFLIBNET to access different journals and to access research related articles.
- The college Library has introduced N-List facilities under INFLIBNET, under which the teachers can access the Cambridge Journals and other research journals enlisted under INFLIBNET.
- Wi-Fi facility allows internet facility to the students in the library premises.

The ICT and other infrastructure or instrumentation facilities are continuously upgraded by the college time to time. Nine classrooms of the college were facilitated with LCD Projector, this year 4 more classes are equipped with this facility.

### **6.3.6 Human Resource Management**

**The institution has sufficient number of teaching and non teaching staff in order to meet various needs.**

- **The class room teaching is managed by concerned subject teachers.**
- **In case of need of leave by any teacher, he/she arranges for the classes by assigning to other faculty.**
- **The co curricular and extra curricular duties are assigned by madhyastha samiti looking into the expertise and interest of the faculty member.**
- **The examination supervision duties are allotted prior to every staff member. All HoDs act as Senior supervisors during weekly tests and Prelim exams.**
- **The office staff and peons are also allotted exam duties for management of exam blocks and providing stationary items.**
- **For Any event such as Seminar/ Conference/ workshop/ Annul Day celebration, the college staff is fully utilised by placing them in various committees.**

### **6.3.7 Faculty and Staff recruitment**

**Recruitment Procedure:**

- **The data collection for vacancies in any subject from HoDs**
- **Advertisement in news papers and CVM website**

- **Receiving the applications in stipulated time period and scrutiny as per eligibility criteria of UGC and University.**
- **Formation of Interview committee as per norms of university**
- **Intimation to short listed candidates for interview**
- **Conduction of interviews after intimation to candidates and interview committee members**
- **Selection based on qualification, merit and interview performance**
- **University syndicate approval for appointment and recruitment**

### **6.3.8 Industry Interaction / Collaboration**

NVPAS has large number of Industry interaction for placement and academic activities for student and teachers. Some of them are as follows

1. CIPET, Ankleshwar
2. WIPRO, Ahmedabad
3. Life cell Baroda
4. TCS(Tata Consultancy Services)
5. Glenmark Industries, Ankleshwar
6. TranspeckIndustries,Baroda
7. Amul Dairy, Anand
8. Mastercoat Industries Ltd.
9. PDPIAS Charusat Uni, Changa
10. Anand Agriculture University, Anand
11. Gujarat Council of Science and Technology, DST, Gujarat
12. Swiss Glasscoat equipment Ltd., V. U. Nagar
13. Infinity Infoway Pvt. Ltd., Rajkot, Gujarat
14. Sophisticated Instrumentation Centre for Research and Testing, V. V. Nagar
15. PhycolinLinc Digital Systems Pvt. Ltd. Ahmedabad, Gujarat

### **6.3.9 Admission of Students**

Students are admitted to the different programmes by adopting following methodology.

#### **(A) Admission to B.Sc. Programme**

##### **(1) Admission to(F.Y.B.Sc.) First semester B.Sc.:**

First two semester of the B.Sc. programme has common subjects for Mathematics and Biology group students. The specialization in any particular subject is offered in 3rd semester. The students from state board, central board or any other recognized board are eligible for the admission. The students who passed in 12th science in 'A' group are admitted to first semester B.Sc.mathematics group, students who passed in 12th science with B group are admitted to first semester B.Sc. biology group, while students passed

12th science with both 'AB' group can be admitted either to first semester B.Sc. mathematics or biology group as per their choice.

**(2) Admission to (S.Y.B.Sc.) Third semester B.Sc.**

F.Y.B.Sc. admissions are on the first come first served basis and the principle subject is offered at the S.Y.B.Sc., Semester – 3 onwards. A separate counselling of students is carried out and the subjects are offered on the basis of their merit in the University Exam in First and Second Semester. A separate merit list for mathematics and biology group students are prepared. The merit number of the student is communicated to the parents also mentioning the date and time of counseling. In the admission counseling students are asked to select their subject of their choice on the basis of their merit number. Students with the Mathematics group are offered Computer Science, Computer Applications & Information Technology (CA&IT), Instrumentation, Chemistry, Industrial Chemistry and Mathematics, while students with biology group are offered Biotechnology, Microbiology, Genetics, Bioinformatics Environmental science, Chemistry and Industrial chemistry.

**(B) Admission to B.C.A. Programme**

Admission to first semester B.C.A. is also given on first cum first serve basis to those students who passed 12th Science, Commerce or Arts either from State board or any other recognized board with English as one of the compulsory subject.

**(C) Admission to M.Sc. CA&IT (Integrated Dual Degree Course):**

College offers five year integrated dual degree course of M.Sc. Computer Applications and Information Technology (MSc CA&IT). Admission to this course is also on first come first serve basis to those students who passed 12th science/commerce.

**(D) Admission to career oriented 'add-on' course**

College offers UGC funded Career Oriented Course in 'Process Development in Industrial Biotechnology' which is started from June 2010. This course is available only to the B.Sc. students of the college. There are total 60 seats in this course in which 30 seats are allotted to certificate course (1 year duration) and 30 seats are allotted to diploma course (2 years duration). Admission to this course is also on the basis of first come first serve basis. However students in 5th and 6th semester are eligible only for the certificate course and not the diploma course.

**(E) Admission to Certificate Courses**

Various departments of the college are running different certificate courses to enhance the knowledge and skill base of the students. Most of these courses are of 30 hours duration. The classes are conducted outside the college hours. Such courses help students to get equipped with the latest practical/industrial/life skills. Admission to these courses is on first come first served basis and the students of the college are given first priority. However, if the seats are vacant, the students from other college are also given admission.

**6.4 Welfare schemes for**

Teaching	2
Non teaching	2
Students	3

Providing group insurance facility to all the staff.	
<b>YEAR</b>	<b>GROUP INSURANCE AMOUNT (Rs.)</b>
2009-10	88,000/-
2010-11	140,000/-
2011-12	124,500/-
2012-13	126,000/-
2013-14	110,500/-
2014-15	99,000/-
2015-16	106,500/-
2016-17	1,00,000/-
2017-18	71,436/-

**6.5 Total corpus fund generated** Rs.93,62,463/-

**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	No	-----	Yes	CVM
Administrative	Yes	Chartered Accountant firm M/s Appaji Amin & Company and Mr. Kiranbhai F. Patel Company	Yes	CVM



### 6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes      Yes       No

For PG Programmes      Yes       No

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

- The university exam reform committee formulates the norms time to time and implements as per the need.
- Recently, the Not Confirmed (NC) students are given only one chance per year (earlier it was two per year) to write the exam in case of failure.
- The gracing in any subject by concerned subject convenor is withdrawn.
- Any student with more than 3 NC at First Year will not be eligible to enter 5<sup>th</sup> semester.

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

Sardar Patel University always encourages the affiliated colleges for autonomy. However, the affiliated colleges are given freedom to conduct certificate courses, to conduct Final Practical examination on their own.

### 6.11 Activities and support from the Alumni Association

The Alumni Association of the college carried out different activities during the academic year 2017-18 in coordination with the alumni members. A list of the activities carried out by Alumni Association of the college is given below :

- Annual Alumni Meet was organised.
- A program 'Career Quantum' was organised to provide guidance to the T.Y.B.Sc. students
- A farewell function was organised by Alumni Association to bid farewell to the T.Y.B.Sc. students.
- Alumni students delivered lectures/talks
- Alumni Association arranged for the Campus interviews for the students of T.Y.B.Sc.

## **6.12 Activities and support from the Parent – Teacher Association**

The Parent-Teacher association works actively in the institution. The meeting is held once in semester for which they are informed through letters. The letter has details regarding the date, venue and result card of their wards with special mention about the highest marks scored in each subjects. The meeting provides platform to meet each subject teacher on individual basis and discuss the progress of student. The feed back, suggestions provided by parents are taken into consideration for healthy growth of institution.

## **6.13 Development programmes for support staff**

The college encourages the participation of non-teaching staff in development programs organised outside as well as inside the college. The college organises various programs in the college for the development of skills and knowhow of the non-teaching staff members time to time. A list of such programs/activities is given below:

- Organising training for handling computer and using different software associated to their work specially for library and office staff.
- Providing training to the College office staff to use accounting software.
- The college librarian is skilled with the uses of SOUL software for maintaining all records of books/magazines properly.
- The administrative and supporting staff is trained to use new machines and equipment like Photocopier, Printer, Scanner etc.
- Trainings are organized to update all laboratory assistants regarding new instruments and new practical course curriculum.

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

Institution has taken various initiatives to make the campus eco-friendly:

- The college is participating in the program ‘My Campus, Clean Campus’ initiated by Charutar Vidya Mandal, under which a core committee comprising of teaching and non-teaching staff members is formed which is taking care of cleanliness of the college campus.
- Energy consumption in classroom, laboratories, auditorium, corridors and quadrangle is closely monitored. Students are instructed to switch off the power immediately after classes or labs are over.
- The Carbon Foot-print Club(CFC) aims at spreading awareness among students and society regarding the emission of Carbon Dioxide and knowing their own carbon foot print. Various activities are organized by this club to raise awareness regarding conservation of mother earth.
- The discipline committee and student representatives ensure that the classrooms and campus are kept clean. Dust bins are kept at all places to maintain cleanliness.
- Nature club of college organizes various programmes to spread awareness about environmental pollution and preventive measures among students and society

## Criterion – VII

### 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.

- The Dept of Biological and Environmental Science of NVPAS College in association with Post Graduate Dept of Env Science and Technology(EST) of ISTAR organized a one day **National Seminar on “ Environment. Pollution and Climate Change”-EPCC 2018.**

The theme area covered during seminar were Air, Water and Soil pollution, Ecosystem analysis , Env. and atmospheric chemistry, Climate change and Agriculture, Natural resources and conservation, Application of RS and GIS in Env research, Conservation and sustainable development.

The participants from other states belonged to Varansi, West Bengal, Bangalore, Jaipur etc. Within the state, Navsari Agriculture Uni, L. D. Engineering college Ahd, GCET Engineering college, Anand Agriculture Uni, Gujarat University, Sardar patel Uni, Charusat University, Central Gujarat Uni Gandhinagar, M S University Baroda and Veer Narmad South Guj Uni.

This seminar provided an opportunity to graduates and post graduates, researchers, academicians, scientists, and professionals from different parts of our country to exchange their research findings in latest and relevant areas of proposed themes of the seminar.

- A one workshop on “**Frontiers of Environmental Science: A better perspective**” was jointly organized by Dept of Biol & Env.Science, NVPAS and Dept of Env Science & Tech (EST) of ISTAR on **13<sup>th</sup> Sept 2017**. The S Y and T Y B Sc and M Sc students of Env Science participated.
- A one day “**workshop cum training on Persistent Organic Pollutant**” was jointly organized by NVPAS and ISTAR on **11<sup>th</sup> Dec 2017**. **Prof. Dr Yamashita from Japan was invited as resource person.** The U G and P G students of Env Science dept took part in workshop
- **World Wetland Day workshop** was **organized by the Dept of Biol.& Env.Sci.** of NVPAS in association with Social Forestry Division Nadiad, Forest Dept on **2<sup>nd</sup> February 2018** at Pariej- wetland. Dr Rita N Kumar as resource person gave presentation on Urban Wetlands- Challenges and Opportunities. Dr Kumar also invited students from 4 various institutions i.e B N Paramedical Sciences, P M Patel college of Biosciences, Arts & Sci college of Bhadrans and NVPAS for participation.

- Celebration of IC-FEST: With the aim to increase students confidence, knowledge and presentation skill IC-FEST 2018 was organized by the department. In the program judges from other institutes were invited to judge the competition.
- Guest talk was arranged in which Mr. Keyur Trivedi delivered a talk. He shared his experiences of industries with students.
- A certificate course titled ‘A Green and Safe Approach for Sustainable Development in Industries’ was conducted to make students aware about current trends in Industries.

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

**7.3 Most of the planned programs were executed.**

**1.(a)QAC organized an invited talk** on the topic “Autonomy : Challenges to higher institutions on **8<sup>th</sup> March 2017**” by **Dr D P Singh**, Chairman of P G Board of AICTE from **New Delhi**. The Principals and IQAC Coordinators of various colleges of Sardar Patel Uni were invited for participation

**1.(b) IQAC organized one day Faculty Development Program** on “ Quality Education through Academic Autonomy” on **24<sup>th</sup> March 2017** jointly organized with IQAC of VP & RPTP Science College. The Principals and IQAC Coordinators of various colleges participated.

**1.(c) IQAC organized** one day faculty development program for all trainee teachers of NVPAS on **28<sup>th</sup> Sept 2017**. Prof M K Yagnik, Director HRDC was invited to inaugurate the program. Dr Kumar, Dr Akshay Gupte , Dr Madhu Bora, Dr Smita Srivastava, Ms Shreya Bhavsar, Dr Tejas Thakkar, Dr Yogesh Patel and Dr Archana Shah worked as resource persons for various activities. The program was supported by NSS unit.

**1.(d) IQAC & Staff club organized faculty development program** on website and Blog development “Web Development using Word press”, for the faculty members of the college Hands on training was provided by faculty members of Computer Science dept of the college

**2.(a)National Seminar on “Environment. Pollution and Climate Change”-EPCC 2018 was organized on 30<sup>th</sup> January 2018.**

**2.(b)State Level 29<sup>th</sup> Inter Collegiate Competition** held under the aegis of Gujarat Integrated Biology Network (**GIBioN**) jointly organized by GSBTM and Microbiology Study Circle, J & J College, Nadiad and NVPAS on 28/01/2018

**2.(c) Workshop on “Frontiers of Environmental Science: A better perspective” on 13<sup>th</sup> Sept 2017**

**2.(d)“workshop cum training on Persistent Organic Pollutant” on 11 Dec 2017**

**2.(e)World Wetland Day workshop on 2<sup>nd</sup> February 2018**

**3. Two-Week Bridge Course** for the students of First Semester with a view to helping them develop their competence in using English language more proficiently.

**4.. E-learning** was strengthened through effective use of Moodle, Flint and ERP by faculty and students

#### **7.4 Contribution to environmental awareness / protection**

- With the objective of creating awareness towards the conservation of Wetlands, a one Day workshop was jointly organized by Dept of Biol. & Env. Sci and Social Forestry Division, Nadiad, Forest Department of Gujarat on 2<sup>nd</sup> February 2018. Dr Rita N Kumar as resource person gave presentation on Urban Wetlands- Challenges and Opportunities. Students from 4 various institutions i.e B N Paramedical Sciences, P M Patel college of Biosciences, Arts & Sci college of Bhadran and NVPAS also participated.
- Carbon Foot-print Club of Department of Biological and Environmental sciences organized a programme of BEST OUT OF WASTE in V and C school of Vallabh Vidhyanagar in first week of July ( 3 to 8 July 2017). The kids were given time of a week to use waste products and make artifacts, usable things, etc. The kids participated enthusiastically and prepared many items. They were encouraged to present them as gifts to needy students. They were given a beautiful hamper made of recycled material which contained a piggy bank. The main reason behind the activity was to reduce the carbon print and waste from the city and to make everyone understand about recycling of waste.
- The world Honey Bee day was celebrated 22nd August 2017 by CFP club emphasizing the importance of this small bee to provide us a very useful medicinal product “HONEY”. Dr Hiren Soni of ISTAR was invited as the Chief Guest. The Quiz program was organized.
- On occasion of World Ozone day on 16th Sept 2017, a Slogan Writing competition was organized for the students of College.

**7.5 Whether environmental audit was conducted?                      Yes**

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

##### **Strength**

- Competitive, experienced and dedicated staff members
- Management keen to promote growth of the institution
- Healthy teacher-student relationship
- Enriched Library

**Weakness**

- Lack of space for expansion

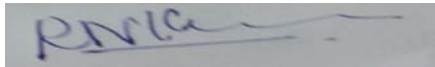
**Opportunity**

- To start more Certificate Courses to be helpful to the diverse group of students
- To become an autonomous institution
- To have linkages with industries for training of students

**Threat**

- Unavailability of students and faculty for extra hours
- Trainee teachers and administrative staff for handling diversity of students.
- Academic quality enhancement.
- Inadequate funds for infrastructure development

**Name: Dr. Rita N. Kumar**



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**Signature of the Coordinator, IQAC**

**Name: Dr. Basudeb Bakshi**



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**Signature of the Chairperson, IQAC**

**N.V. PATEL COLLEGE OF PURE & APPLIED SCIENCES**

06-12-2017

**ACADEMIC CALENDAR 2017-18**

**(B.Sc./B.C.A./M.Sc. (CA & IT) – Even Semester)**

<b>Semester</b>	: 04.12.2017 to 28.04.2018
<b>Unit Test</b>	: Commencement from 01.01.2018
<b>Open House</b>	: 04.02.2018
<b>Practical Internal Exam</b>	: 05.03.2018 to 10.03.2018
<b>Preliminary Theory Exam</b>	: 12.03.2018 onwards
<b>University Theory Exam</b>	: 26.03.2018 onwards
<b>Summer Vacation</b>	: 30.04.2018 to 09.06.2018

\* Above schedule is subject to change as per university circular.

**(Basudeb Bakshi)**  
**PRINCIPAL**

# **N.V. PATEL COLLEGE OF PURE & APPLIED SCIENCES**

28-06-2017

## **ACADEMIC CALENDAR 2017-18**

### **(B.Sc./B.C.A./M.Sc. (CA & IT) – Odd Semester)**

<b>Semester</b>	: 12.06.2017 to 02.12.2017
<b>Unit Test</b>	: Commencement from 17.07.2017
<b>Open House</b>	: 20.08.2017
<b>Preliminary Theory Exam</b>	: 03.10.2017 onwards
<b>Practical Internal Exam</b>	: 23.09.2017 to 29.09.2017
<b>University Theory Exam</b>	: 06.11.2017 onwards
<b>Diwali Vacation</b>	: 16.10.2017 to 04.10.2017

\* Above schedule is subject to change as per university circular.

**(Basudeb Bakshi)**  
**PRINCIPAL**



## Annexure-II

### ANALYSIS OF FEEDBACK

**An Analysis of the feedback: Stakeholders' Overall Evaluation: 2017-18**

Feedback By	Feedback on	Very Good	Good	Satisfactory	Below Threshold	TOTAL
Students	Teacher	54	17	4	0	75
Students	Curriculum	45	12	4	1	62
Students	Programme & Teaching	35	10	3	0	48
Students	Overall rating of Programme & Study	39	11	3	1	54
Graduating Students	Exit Questionnaire	49	14	4	1	68
Stakeholders	Overall	222	64	18	3	307
	Overall %	<b>72.31</b>	<b>20.85</b>	<b>5.86</b>	<b>0.98</b>	<b>100</b>

\* refer to multiple responses given in the feedback forms.

