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
Phone: +91-02692-235500, FAX: +91-02692-234111
Website: nvpas.edu.in   E-mail: nvpascollege@yahoo.co.in

Annual Quality Assurance Report (AQAR)

2018-19
Submitted To
National Assessment & Accreditation Council (NAAC)
Nagarbhavi, Bangaluru (560072)
December. 2019

The Annual Quality Assurance Report (AQAR) of the IQAC
(For Affiliated/Constituent Colleges)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (For example, July 1, 2017 to June 30, 2018)*

Part – A

Data of the Institution
(data may be captured from IIQA)

1. Name of the Institution   :   N V Patel College of Pure & Applied Sciences

- Name of the Head of the institution :   Dr Basudeb Bakshi

- Designation   :   M.Sc.: Ph.D

- Does the institution function from own campus: Yes

- Phone no./Alternate phone no.   :   02692 235500

- Mobile no.   : 9427382875

- Registered e-mail   : nvpascollege@yahoo.co.in

- Alternate e-mail   : principal@nvpas.edu.in

- Address   : N V Patel college of Pure & Applied Sciences, Mota Bazar

- City/Town   : Vallabh Vidyanagar

- State/UT   : Gujarat state

- Pin Code   : 388120

2. Institutional status:
- Affiliated / Constituent   : Affiliated
- Type of Institution   : Co-education/Men/Women : Co education
- Location : Rural/Semi-urban/Urban: Rural

- Financial Status : Grants-in aid/ UGC 2f and 12 (B)/ Self financing (please specify) - UGC 2f and 12(B) , Self financing

- Name of the Affiliating University: Sardar Patel university
- Name of the IQAC Co-ordinator : Dr Rita N Kumar
- Phone no. : 02692 235500

Alternate phone no. Mobile : 9825924687

- IQAC e-mail address : ritankumar@yahoo.co.in

- Alternate Email address : ritamac81@gmail.com

3. Website address: www.nvpas.edu.in
 Web-link of the AQAR: (Previous Academic Year): www.nvpas.edu.in/AQAR 2018-19
 For ex. http://www.ladykeanecollege.edu.in/AQAR2012-13.doc

4. Whether Academic Calendar prepared during the year?

Yes/No....., if yes, whether it is uploaded in the Institutional website: YES

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1st	A	3.10	2009	5 Years
2nd	A	3.01	2016	5 Years
3rd	-	-	-	-
4th	-	-	-	-
5th	-	-	-	-

6. Date of Establishment of IQAC: DD/MM/YYYY: 25-06-2019
7**.** Internal Quality Assurance System:

7.1 Quality initiatives by IQAC during the year for promoting quality culture			
Item /Title of the quality initiative by IQAC	Date & duration		Number of participants/beneficiaries
IQAC Meeting	28-6-2018	11:00 - 12:00	**16**
IQAC Meeting	18-9- 2018	4:00 - 5:00	**16**
IQAC Meeting	21- 12-2018	11:00 - 12:00	**16**
IQAC Meeting	18-04-2019	3:30 -4:30	**9**
IQAC Meeting	20-4-2019	9:30- 11:00, 12:15 - 1:15	**7**
IQAC Meeting	22-4-2019	12:00 –1:00	**3**

IQAC Meeting	24-4-2019	11:00- 12:00	**9**
IQAC Meeting	25-4-19	11:00 -12:00	**9**
IQAC Meeting	26-4-19	11:00 - 12:00 3:30 - 4:30	**9**
Faculty Induction Program	29- 4- 2019	11:00- 5:30	**25**
Faculty Induction Program	30- 4- 2019	11:00- 5:30	**25**
Invited Talks (8 resourse person)	June - Dec		**50-100**

Note: Some Quality Assurance initiatives of the institution are:
(Indicative list)
* *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements*
* *Academic Administrative Audit (AAA) conducted and its follow up action*
* *Participation in NIRF*
* *ISO Certification*
* *NBA etc.*
* *Any other Quality Audit*

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8. Provide the list of funds by Central/ State Government-

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount (in Lakh)
Physics Dept	-	ISRO	-	15 .00
Microbiology Dept	-	DBT	-	8.30
Biology Dept	-	NIF	-	1.25

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: **YES**

*upload latest notification of formation of IQAC

10. No. of IQAC meetings held during the year: **Twelve**

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website…….
Yes/No
   (Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?   Yes   No   √

   If yes, mention the amount: Year:

12. Significant contributions made by IQAC during the current year (maximum five bullets)

- Green Audit of Institution
- Registration in National Green Crops Program of Ministry of Envt, Forest & Climate change, Govt of India as Eco club of India through Nodal agency of GEER Foundation
- Conduction of Institutional Audit
- Two Days Faculty Induction Program for new staff members
- Organising State level seminars/workshop
- Conducting Certificate Program
- Introduction to On Demand Examinations
- Orientation Program for F Y B Sc

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Faculty induction program	IQAC organised Two days Faculty induction program (29 and 30 April 2019) for newly joined staff members where the various 13 speakers (including HoD and Senior faculty) addressed them to make them aware about the vision and mission of institution and functioning of Institution towards Quality enhancement
Orientation Program	On 19.2.19,The first year students were oriented by conducting special one day program where in the students were enlightened about the scope, significance and job opportunities of specialisation subjects
Green audit cell establishment	Achieved A grade in audit by Green Audit Cell of CVM
Workshop	Workshop on "The Art & Science of

	Counselling-Boon to staff & Students" was organised for female faculty on 23.6.18
Workshop	Workshop on 'Women & Envt' was organised, >300 participants took part

14. Whether the AQAR was placed before statutory body?   Yes /No: **YES**

   Name of the Statutory body   : College Advisory Committee
   Date of meeting(s)   : 15-10-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?
Yes/No: NO   Date:

 16. Whether institutional data submitted to AISHE: Yes/No: Yes

       Year: 2018   Date of Submission: 23.12.18

17. Does the Institution have Management Information System?
Yes   √   No

If yes, give a brief description and a list of modules currently operational.
(Maximum 500 words)

The college carries out its academic and administrative activities smoothly and communicates with its stake holders at different levels through an effective Management Information System in terms of ERP system and other web based facilities. The admissions to the college is supported by the college website based services like application forms, information regarding courses offered and intake. The college also makes use of the University based centralised admission process as well as the services provided by the CharutarVidya Mandal Website. The college has developed its own ERP system to help the teaching and administrative staff for smooth flow of information and instructions to students, teachers, parents and other stake holders. The entire examination system works effectively through ERP system as well as the Google based web application systems. The college administration also makes use of the social apps like WhatsApp and the institutional email facility provided to the staff members. Different cells and Departments also make extensity use of web based facilities like WhatsApp for speedy communication with students and other stake holders. The web based facilities like MOODLE for teachers/mentors and students for communication are 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.

Part – B

CRITERION I – CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

NVPAS being affiliated with Sardar Patel university follows the curriculum prescribed by the university. Efficiency and excellence in the education system require innovation and improvements in curriculum besides governance. Keeping this in view important measures are taken to enhance academic standards as well as retaining the quality of education.

Academic Plan:

Prior to the commencement of the academic session, Academic committee prepares academic Calendar keeping in mind the working weeks, holidays and the Exam dates from the University. Academic calendar is prepared in consultation with the Principal.

Teaching Plan:

Each Head of the Department along with the faculty members designs Departmental teaching plan which includes time table, assignments, student projects, industrial visits, student seminars, field trips and other activities. Based on the subject allotment individual timetables are prepared for each section for respective faculty.

Course plan

Course plans are planned in the beginning of the session for the entire course by the respective teachers and submitted to the Head of the Department specifying division of units throughout the semester.

Lesson plan

The lesson plan diary which comprises of individual time table, the unit wise details of courses to be taught in semester with all the information regarding subject, topics covered, time for lecture and lab, details of participation in co-curricular, extracurricular activities, the supervision duties at college & university level, details of the meeting attended and the leaves taken is regularly updated by the individual faculties. These diaries are reviewed by the HOD /Principal.

EFFECTIVE CURRICULUM DELIVERY:

To ensure the effectiveness of the curriculum college has course coverage format

The steps for Effective curriculum delivery includes:

- ✓ Preparation of customized lab manuals, reading materials, Question Banks and assignments on regular basis for the students.
- ✓ Field trip, Industrial tours and project work (Chemistry, Industrial Chemistry, Environmental science, Computer Science, Instrumentation, Applied Physics, Bio-Informatics) to supplement the theoretical knowledge by practical exposure to get insight and gain firsthand knowledge.
- ✓ Seminar participation and presentation which help students to express and enhance their

knowledge and build self confidence.
- ✓ Conducting Remedial, Tutorial and Crash courses for the students.
- ✓ Continuous assessment of students by weekly unit test and preliminary examination for continuous evaluation of the students.
- ✓ Conduction of Short term training programmes like certificate courses, Add-on courses and skill development courses for students to supplement better learning outcomes apart from the syllabus.
- ✓ Recommendation and referrals for industrial training for interested students.
- ✓ Guest lectures are organized for the students by the departments to supplement the Curriculum.
- ✓ Workshops, seminars and training programmes are arranged to deliver content beyond syllabus.

1.1.2 Certificate/ Diploma Courses introduced during the Academic year

Department	Year	Certificate Course Name	No. of Students enrolled
English	2018 – 19	Linguistic Skills Development Course	14

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
B.Sc. Semester-I	**June 2018**	**US01CCHE21**	**June 2018**
		US01CCHE22	
		US01CPHY21	
		US01CPHY22	
		US01CBIO21	
		US01CBIO22	
		US01CMTH21	
		US01CMTH22	
		US01SENV21	
B.Sc. Semester-II	**December 2018**	**US02CCHE21**	**December 2018**
		US02CCHE22	
		US02CPHY21	
		US02CPHY22	
		US02CBIO21	
		US02CBIO22	
		US02CMTH21	
		US02CMTH22	
		US02SENV21	

Course Type	Subject	Course Code	Name of Course	Theory/ Practical
Core 1	Applied Physics	US03CAPH01	Optics and Remote	Theory

Course Type	Subject	Course Code	Name of Course	Theory/Practical
			Sensing	
		US03CAPH02	Digital Electronics & Optoelectronic Devices	Theory
		US04CAPH03	Applied Physics Practicals	Practical
Core 2	Instrumentation	US03CINS01	Measurements and Indicators	Theory
		US03CINS02	Basic Instrumentation and LASERs	Theory
		US03CINS03	Practicals	Practical
Foundation	English	US03FENG01	Functional English	Practical
Elective 1	Elective subject	US03EELE01	Elective Course Title	Theory
Elective 2	Elective subject	US03EMTH01	Elective Course Title	Theory

Course Type	Subject	Course Code	Name of Course	Theory/Practical
Core 1	Applied Physics	US04CAPH01	Spectroscopy	Theory
		US04CAPH02	Electricity, Magnetism and Solid State Electronics	Theory
		US04CAPH03	Applied Physics Practicals	Practical
Core 2	Instrumentation	US04CINS01	Signal Conditioning Systems	Theory
		US04CINS02	Calibration, Records, Signal Analysers & Optical Fibre	Theory
		US04CINS03	Practicals	Practical
Foundation	English	US04FENG01	Functional English	Practical
Elective 1	Elective subject	US04EELE01	Elective Course Title	Theory
Elective 2	Elective subject	US04EMTH01	Elective Course Title	Theory

BCA

Type of Course	Course code	Course Title	T/P
Core – 1	US01CBCA21	Programming Fundamental Using C	T
	US01CBCA22	Programming Fundamental Using C Lab	P
Core – 2	US01CBCA23	Web Application Development-I	T
	US01CBCA24	Web Application Development-I Lab	P
Core – 3	US01CBCA25	Fundamental of Computer Organization	T
	US01CBCA26	Office Applications Lab	P
Ability Enhancement	US01AENG21	Communication Skills in English -I	P
Skill	US01SEVS21	Environmental Studies	T

Type of Course	Course code	Course Title	T/P
Core – 1	US02CBCA21	Advanced C Programming	T
	US02CBCA22	Advanced C Programming Lab	P
Core – 2	US02CBCA23	Web Application Development-II	T
	US02CBCA24	Web Application Development-II Lab	P
Core – 3	US02CBCA25	Database Management System - I	T
	US02CBCA26	Database Management System - I Lab	P
Ability Enhancement	US02AENG21	Communication Skills in English -II	P
Skill Enhancement	US02SBCA21	Mathematics	T

B. Sc. CA & IT

Type of Course	Course code	Course Title	T/P
Core – 1	PS01CIIT21	Computer Programming using C	T
	PS01CIIT22	Computer Programming using C Lab	P
Core – 2	PS01CIIT23	Computer Organization and Digital Electronics	T
	PS01CIIT24	Computer Organization and Digital Electronics Lab	P
Core – 3	PS01CIIT25	Web Application Development-I	T
	PS01CIIT26	Web Application Development-I Lab	P
Ability Enhancement	PS01AENG21	Communication Skills in English -I	P
Skill Enhancement	PS01SEVS21	Environmental Studies	T

Type of Course	Course code	Course Title	T/P
Core – 1	PS02CIIT21	Advanced C & Introduction to Data Structures	T
	PS02CIIT22	Advanced C & Introduction to Data Structures Lab	P
Core – 2	PS02CIIT23	System Analysis and Design	T
	PS02CIIT24	System Analysis and Design Lab	P
Core – 3	PS02CIIT25	Web Application Development-II	T
	PS02CIIT26	Web Application Development-II Lab	P
Ability Enhancement	PS02AENG21	Communication Skills in English -II	P
Skill Enhancement	PS02SMTH21	Mathematics	T

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.

Already adopted (by the year2010-11)

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG

1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Courses
No of Students		

1.3 Curriculum Enrichment

1.3.1 Value-added courses imparting transferable and life skills offered during the year

Value added courses	Date of introduction	Number of students enrolled

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects
TYES Dessertation	25
TYBNF Project	19
B.Sc. IT Project	09
BCA Project	27
B.Sc. CNIT Project	30
M.Sc. (X) Industrial Project	06

INDUSTRIAL TRAINING:

YEAR 2018-19

Sr.No.	Nameof the student	Department	Roll No.	Name of the Company
1	Maithili Thakkar	ES	SY-380	Amul,Anand
2	Praisy Christopherson	ES	SY-372	Amul,Anand
3	Shashank Patel	ES	TY ES-181	Amul,Anand
4	Akul Panchal	IC	TY IC-233	Sanofi India Ltd,Ankleshwar
5	Kathan Chirag Shah	BT/GT/BNF	TY GT-454	Amul,Anand
6				

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents

Yes	Yes	Yes	Yes	Yes

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)
The feedback from the student, employer and alumni on curriculum is taken in a prescribed format. The inputs from these stakeholders are discussed in departmental meeting with the Head of the department and staff members for brainstorming on specific inputs. The selected inputs are proposed in the meeting of board of Studies (BoS) of the University to be included in the curriculum. If found suitable, those inputs are included in the curriculum in the forthcoming curriculum of the University This mechanism ensures the inclusion of advanced techniques, softwares and concepts in various programs to ensure skill development and employability of the student and shaped the curriculum to be contemporary and relevant. Additionally, college is also offering career oriented courses to make student more skilled in the selected program. College ensures that specific advanced inputs are included in those CoC so that specific inputs are included timely.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile DV

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
BSc	720	295	295
BSc/MSc CA&IT	70	28	28
BCA	120	38	38

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
	1222	9	59	Nil	6

2.3 Teaching - Learning Process

2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of teachers on roll	Number of teachers using ICT *(LMS, e-Resources)*	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
65	64	OHP,LCD projector, Internet	18	1	Video lectures,

		lab, Wi Fi facility			ebooks, websites, mobile apps

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

NVPAS has a very strong Mentoring system for minimization of problems of the students. Mentoring system includes team of Counselling coordinator, sectional coordinators and mentors under the constant monitoring and guidance of Principal. Mentors are appointed by the college at the beginning of academic session every year under the guidance of The Principal and Counselling coordinator.List of mentors is displayed on college notice board, students of each batch are informed by their mentor, and the name, contact number and adress of mentor is posted to the parents also. Each mentors is given a batch of 30 students based on division and class strength. Mentors are provided counselling file with various formats to be maintained for each student by the college.Each mentor calcultes the monthly attencance of their batch and submits it to college offcice Mentors monitor attendance, performance of students, absentism, failure in unit test as well as preliminary examination through the centralized data maintaned in the ERP system.They talk to student and try to find out the reason for irregularity in classes absentism in tests, poor performance in tests conducted, after knowing the reasons they guide the students to improve their result in test, to be regular for classes not to remain absent in the tests. Mentors compulsorily make students prepare and write assignment i.e. answers for the question paper without any option if he remained absent or has failed in unit test. They make students familiar about the college rules, functioning, examination system etc through regular counselling meetings as well as their parents during open house or different modes of communication. They regularly keep in touch with parents regarding their wards regularity and performance in the college. If the student is irregular or shows weak performance in the tests conducted or remains absent for the test, the mentor informs parents about it to them through telephonic conversations, letters, text message system of college. Every month mentor is supposed to submit the counselling file to sectional coordinator for verification, sectional coordinators verifis the conselling file and they fill the report about filemantainance, data of attendance, performance in tests of the batch, work done by mentor, regular meetings conducted necessary actions taken by them etc. Sectional coordinators conduct meeting with mentors of their group and guide them if required. The sectional coordinators submit the data of file verification of mentors in their team to Principal. Principal also regularly conducts meetings with counselling coordinator, sectional coordinator and mentors as per requirement. Principal personally deals with problematic students, tries to know their problems, and guides them to be regular and improve their performance. Mentors play a role of local guardian, they are the first person in college whom student approaches for their problem and mentor always helps them and tries to find out solution for their problems.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
1231	**65**	**1:25**

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
4	**4**	**4**	**4**	**4**

2.4.2 Honours and recognitions received by teachers
(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018-19	Dr Urvish Chhaya (State level) (Microbiology)	Microbiology department	Schedule I Environmental Auditor[Gujarat Pollution Control Board]

2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
UG	**BSc**	**Even semester**	**20/04/2019**	**To be declared**
Dual degree/BSc CA &IT-MSC CA & IT		**Even semester**	**20/04/2019**	**To be declared**
UG		**Odd semester**	**3/11/2018**	**BSc 1st sem--12/1/2019** **BSc 3rd sem-20/01/2019** **BSc 5th sem--19/1/2019** **BCA 1st sem--24/12/2018** **BCA 3rd sem--21/01/2019** **BCA 5th sem-- 12/01/2019**
Dual degree/BSc CA &IT-MSC CA & IT		**Odd semester**	**3/11/2018**	**Dual degree 1st, 3rd & 5th 28/12/2018**

2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Following reforms are initiated on Continuous Internal Evaluation.

1.Three major components i are introduced for the continuous internal evaluation for the academic year 2018-19. These includes Two rounds of course wise unit tests, Assignments and weightage to the attendance. These three components comprise total of 30 Marks in which 20 marks corresponds to Unit test evaluation, 5 marks corresponds to Assignment and 5 marks corresponds to attendance. This formula 0f 20+5+5 equilibrates all the aspect of student performance and projects real status of the student. This formula also average out the performance of those student who are academically sound but attendance wise poor and those who are attendance wise good but academically average.

2. In order to prevent mal practice during the internal examination monitoring of the examination block through CCTV has been started which has completely eliminated the incidence of malpractice during unit test.

3. Institute has started entry of marks in the college ERP system in which respective subject teacher enters the marks in a specially designed software which has minimized the errors related to the data entry which was previously done for all the subjects by office personnel and found more error prone. This system also has the facility to edit the marks after the correction so in the final document corrected data is displayed which have minimized the manual interphase between the office personnel and the subject teacher which has led to timely correction of marks.

4. In order to allot attendance marks in internal examination as per 20+5+5 formula, course number wise cut off for the attendance mark has been set on 50% to increase the regularity and reduce the passiveness of the students regarding their concern subject.

2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The following academic calendar for 2018-19 as per University as well as college.

COLLEGE ACADEMIC CALENDAR 2018-19
(B.Sc./B.C.A./B.Sc. (CA & IT) – Odd Semester)

Semester   : 11.06.2018 to 10.12.2018
Unit Test   : Commencement from 23.07.2018
Open House   : 19.08.2018
Preliminary Theory Exam   : 24.09.2018 onwards
Practical Internal Exam   : 03.10.2018 onwards
Navratri Vacation   : 11.10.2018 to 17.10.2018
University Theory Exam   : 19.10.2018 onwards
Diwali Vacation   : 05.11.2018 to 18.11.2018

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

COLLEGE ACADEMIC CALENDAR 2018-19
(B.Sc./B.C.A./B.Sc. (CA & IT) – Even Semester)

Semester   : 10.12.2018 to 08.06.2019
Unit Test   : Commencement from 07.01.2019
Open House   : 02.02.2019
Practical Internal Exam   : 25.02.2019 to 02.03.2019
University Theory Exam   : 25.03.2019 to 20.04.2019
Summer Vacation   : 22.04.2019 to 08.06.2019
* Above schedule is subject to change as per university circular.

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes
for all programs offered by the institution are stated and displayed in website of the institution
(to provide the weblink)

2.6.2 Pass percentage of students

Programme Code	Programme name BSc 6th semester-2018	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage

CS	**Computer science**	**01**	**01**	**100**
BNF	**Bioinformatics**	**11**	**11**	**100**
IT	**Information technology**	**26**	**24**	**92.31**
INS	**Instrumentation**	**08**	**08**	**100**
BT	**Biotechnology**	**38**	**34**	**89.47**
MI	**Microbiology**	**76**	**40**	**52.63**
ES	**Environmental sciences**	**47**	**47**	**100**
GT	**Genetics**	**33**	**33**	**100**
CHE	**Chemistry**	**131**	**85**	**64.89**
IC	**Industrial Chemistry**	**68**	**67**	**98.53**
MTH	**Mathematics**	**39**	**24**	**61.54**
	Total	**478**	**374**	**78.24**

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Resource Mobilization for Research

3.1.1 Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding Agency	Total grant Sanctioned in Rupees	Amount received during the Academic year in Rupees
Major projects (02)	3 years	DBT	20,30,000/-	830,000/-
	3 years	ISRO	44,00,000/-	15,00,000
Minor Projects (01)	0ne year	NIF	150,000/-	125,000/-
Interdisciplinary Projects				
Industry sponsored Projects				
Projects sponsored by the University/ College (01)	6 months	SSIP	20,000/-	10,000/-
Students Research Projects *(other than compulsory by the College)*				
International Projects				
Any other(Specify)				
Total (04)				24,65,000/-

3.2 Innovation Ecosystem

3.2.1 Workshops/Seminars Conducted on Intellectual Property Rights **(IPR)** and Industry-Academia Innovative practices during the year

Title of Workshop/Seminar	Name of the Dept.	Date(s)
One Day National Workshop on patents :Concepts & Practice	Dept. of Microbiology and Dept of Biotechnology/ Genetics/ Bioinformatics	Jan 29, 2019

Three days Entrepreneurship Awareness camp in collaboration with "International Centre for Entrepreneurship and Career Development" (ICECD), Ahmedabad on 18th ,19th and 20th September 2018.	Enterprunership cell of NVPAS	18th ,19th and 20th September 2018.

3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
nil	nil	nil	nil	Nil

3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
NIL	NIL	NIL

Name of the Start-up	Nature of Start-up	Date of commencement
NIL	NIL	NIL

3.3 Research Publications and Awards

3.3.1 Incentive to the teachers who receive recognition/awards

State	National	International
nil	nil	Nil

3.3.2 Ph. Ds awarded during the year *(applicable for PG College, Research Center)*

Name of the Department	No. of Ph. Ds Awarded
MICROBIOLOGY	03
ENVIRONMENTL SCIENCES	02

3.3.3 Research Publications in the Journals notified on UGC website during the year

	Department	No. of Publication	Average Impact Factor, if any
National		03	
International		19	

3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publication
Microbiology	01
Biotechnology/Gentics/Bioinformatics	01
Biological & Env. Sciences	04
Chemical Sciences	05
Physical Sciences	02
Mathematical Sciences	03
Computer Sciences	Nil
Industrial Chemistry	Nil

English	Nil
Total	16

3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Assessment of White Rot Fungus Mediated Hardwood Degradation by FTIR Spectroscopy and Multivariate Analysis	Darshan M Rudakiya and Akshaya Gupte	Journal of Microbiological methods	2019			
Studies on Better Laccase Producing Mutant of *Fusarium incarnatum* LD-3 Under Solid Substrate Tray Fermentation	Urvish Chhaya and Akshaya Gupte	3 Biotech	2019			
Biosorption Potential of *Phanerochaete chrysosporium* for Arsenic, Cadmium, and Chromium Removal from Aqueous Solutions	Darsh Shah, Darshan M. Rudakiya, Vignesh Iyer, Akshaya Gupte and kaushik nath	Global Challenges	2018			
Laccase Catalysis : A Green Approach in Bioactive Compound Synthesis	Helina Patel and Akshaya Gupte	Book: Research Advancements in Pharmaceutical, Nutritional and Industrial Enzymology	2018			
Simultaneous removal of hazardous contaminants using polyvinyl alcohol coated *Phanerochaete chrysosporium*	Darsh Shah, Darshan M. Rudakiya, Vignesh Iyer, Akshaya Gupte	International Journal of Agriculture, Environment and Biotechnology	2018			
Carrier prospective for Women in Biotechnological Healthcare System	Yachana Jha & Anjali Kulkarni	Research & Reviews: A Journal of Health Professions	2019			

Endophytic bacteria mediated anti-autophagy and induced catalase, *β-1,3-glucanases* gene in paddy after infection with pathogen *Pyricularia grisea*	Yachana Jha	Indian Phytopathology	2019			
Anticancer Plants: Mechanisms and Molecular Interactions	Bora Madhumati and Pratibha Parihar Omics: A Holistic Approach in Cancer Treatment	Publisher Springer Singapore	2018			
Effect of mycorrhiza (*Glomus mosseae)* on morphological and biochemical properties of Ashwagandha (*Withania somnifera*) (L.) Dunal.	Chaurasia Pratibha & Bora Madhumati	. *Journal of Applied and Natural Science* 10 (4): 1115 -1123	2018			
Effects of Salinity on Growth Physiology, Accumulation of Osmo-Protectant and Autophagy-Dependent Cell Death of Two Maize Varieties.	Yachana Jha	Russian Agricultural Sciences 44 (2), 124-130	2018			
To Evaluate the Biochemical Changes and Phytoremediation Potential of *Amaranthus viridis* under Lead and Zinc stress	Dharitri B Ramanlal,Rita Kumar,Nirmal Kumar, Rashmi Thakkar	International Journal of Basic and Applied Research	2019			
An assessment of bioaccumulation potential of heavy metals by Spirodela polyriza	Rashmi Thakkar , Rita Kumar, Nirmal Kumar, Mansi Banker and Dharitri B Ramanlal	International Journal of Research in Advent Technology	2018			
An Assessment of Phytoremedial Potential of *Acalypha indica* in Cleaning Lead and Zinc Contaminated Soil	Dharitri B Ramanlal,Rita Kumar,Nirmal Kumar, Mansi Banker, Rashmi Thakkar	International Journal of Research and Analytical Reviews	2018			
An Assessment of	Rashmi Thakkar ,	International	2018			

Groundwater Quality in the Selected Sites of Anand City, Gujarat, India	Rita Kumar, Nirmal Kumar, Mansi Banker and Dharitri B Ramanlal	Journal of Research in Advent Technology				
Inherent variations in the cellular events at the site of amputation orchestrate scar-free wound healing in the tail and scarred wound healing in the limb of lizard *Hemidactylus flaviviridis*	Isha Ranadive, Sonam Patel, Pranav Buch, GowrikumariUggini, Isha Desai and Suresh Balakrishnan	Wound Repair and Regeneration	2018			
Ablation of BMP signaling hampers the blastema formation in Poecilialatipinna by dysregulating the extracellular matrix remodeling and cell cycle turnover	Sonam Patel, Isha Ranadive, Shailja Rajaram, Isha Desai, Suresh Balakrishnan	Zoology	2019			
Novel Penta substituted pyridine nucleus with pyrazole analogues; Microwave assisted synthesis, docking and biological screening	Nirav H. Sapariya,	Indo American journal of Pharmaceutical sciences	2018			
Oxidative cyanide-free cyanation on arylboronic acid derivatives using aryl/heteroaryl thiocynate using novel IL-PdCl4 catalyst under mild condition	Nirav H. Sapariya,	Journal of Sulfur Chemistry	2018			
Analysis and Development of Data Hiding Technique for Multimedia Content	Monika patel	International Journal of Management, Technology & Engineering	2018			

Performance evaluation & comparative Study of Oracle APEX, PHP and .Net Applications with Testing Tools	Digvijay Virpura	International Journal of Management, Technology & Engineering	2018	
Multilingual Multimedia Based Crop Disease Assistant	Shreya Shah	International Journal of Management, IT & Engineering	2018	
The Model of Multilingual Multimedia Based Crop Disease Identification	Shreya Shah	International Journal of Management, IT & Engineering	2018	
Electrophoretically Deposited MoSe/Wes2 Hetrojunction from Ultrasonically Exfoliatednanocrystals for EnhancedElectrochemical Photoresponse	Alkesh B patel, Hiren K Macchi, Payal Chauhan,Som Narayan,Vijay Dixit, Sauarabh S. Soni,Prafulla k Jha, Gunvant K Solanki, Kireetkumar D Patel and Vivek M Pathak	ACS Appl. Mater. Interfaces 4093-4102	2019	

3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication

3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	09	20	02	15
Presented papers	07	04	01	Nil
Resource Persons	nil	03	09	02

3.4 Extension Activities

3.4.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers **co-ordinated**	Number of students participated in such activities

		such activities	
Fund Raising	National Association for the Blind (District Branch–Anand)	03	All Students of the college
Free Medical Check up Camp	Surajben Govindbhai Patel Ayurvedic Hospital, New Vallabh Vidyanagar	04	100
Street Plays on topics 'Dowry- A Social Evil' & 'Addicti-on Eradica-tion'	NSS UNIT	04	100
Talk on Thalessemia and Blood donation Awareness atS. M Patel College of home science , VVN on 31/08/2018	NSS, NVPAS & The Wishing factory (NGO)	**04**	247
organized an Orientation Programme wherein Zonal Coordinator of IRCS Dr. Upendra Bhoi oriented students regarding 'Significance of Blood Donation and Thalassemia Screening' on 19/07/2018	NSS, NVPAS & Indian Red Cross Society, Anand	**04**	137
organized Thalassemia Screening on 02-08-18. Charutar Vidya Mandal and Lions Club, Anand availed financial assistance.	NSS, NVPAS, Indian Red Cross Society, & Lions Club Anand.	**04**	319
Blood Donation Camp on 09/08/2018	A. D. Gorwala Blood Bank, Karamsad	**04**	83
organized a Blood Donation Camp on 03-01-19	NSS Unit NVPAS & Indian Red Cross Society, & Lions Club Anand.	**04**	168
Talk on Thalessemia Awareness , Prevention and Measures to Avoid it at ISTAR, VVN on 06/09/2018	NSS, NVPAS & The Wishing factory (NGO	**04**	160

3.4.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
NIL	**NIL**	**NIL**	**NIL**

3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers **coordinated** such activities	Number of students participated in such activities
Participated in National Integration Camp from 25-11-18 to 01-12-18.	organized by Govt. of Gujarat, State NSS Cell, Dept of Higher Education, Gandhinagar at Sardar	NIC	04	12

		Patel University, Vallabh Vidyanagar			
Swachh Bharat 2/10/2018		Ministry of Youth and Sports- Govt. of India, Regional Directorate- Ahmedabad and NSS Cell of Sardar Patel University, V. V. Nagar	One-Day Workshop on 'Cleanliness Awareness'	02	19
Swachh Bharat		Ministry of Youth and Sports- Govt. of India, Regional Directorate- Ahmedabad and NSS Cell of Sardar Patel University, V. V. Nagar	National Integration Camp	02	
Solid State Management, 2018		GEER Foundation (Ministry of Environment) and NVPAS	ECO CLUB of India	03	>200
Grass Root Innovations and outstanding Traditional Knowledge 2019		National innovation Foundation (NIF) Gandhinagar and NVPAS	Minor research project	03	53

3.5 Collaborations

3.5.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration
NIL	NIL	NIL	**NIL**

3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration **(From-To)**	Participant	
Visit to main vegetable Station AAU for practical exposure	Academic /Field Trip	**AAU**	One day	**70**	
Practical Hands on training in Molecular techniques	Training	**Research & Development Unit of Sat Kaival Hoaspital Pvt. Ltd.**	One month May 1, 2018 to June 1, 2018	**03**	
Visit to Akansha Hospital and research Institute for practical exposure	Academic /Field Trip	Akansha Hospital and Research Institute	One day	**70**	
Educational	Permanent	Tisue Culture lab at	One day July	**40**	

trip		Santokh pura and Lingda Fish farm	9,2018	
Industril Visit	Permanent	Bharuch Enviro Infra structure Ltd.; Enciro technology Limited and Narmada Clean tech Limited	Jan18,2019	**40**
Field Trip		Okha Beet Dwaraka Marine National Park	Jan31 to Feb 2, 2019	**60**
Field Trip		SPRERI	One Day	**60**
Forest Visit		POLO Forest	One day 18/09/2018	**60**
Industrial Visit		Basic Pharma Life Science & RENE Life Science, Ankleshwar	15/02/2019	**120**
		CETP and NECL, Nandesari	12/09/2018	**120**
Indusrial Visit		Sterling biotech Ltd., Vadodara	29/08/2018	**33**
Industrial Visit		BHEL, Bhopal	07/09/2018 To 11/09/2018	**68**
Live Industrial Project		Information and Library Network Centre, Infocity, Gandhinagar	Dec 2018 to Mar 2019	**1**
Live Industrial Project		Enlighten Infosystems, Vadodara	Dec 2018 to Mar 2019	**1**
Live Industrial Project		Information and Library Network Centre, Infocity, Gandhinagar	Dec 2018 to Mar 2019	**1**
Live Industrial Project		Future IT Solutions, Anand	Dec 2018 to Mar 2019	**1**
Live Industrial Project		Synergy Total IT Services, Gandevi	Dec 2018 to Mar 2019	**1**
Live Industrial Project		Agile Infoways, Ahmedabad	Dec 2018 to Mar 2019	**1**

3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Red hat India pvt. Ltd.	22/03/2018	Red hat certification orientation on Red hat academy std. programme	107

		10/07/18	
		Red hat practical demo	05

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
Rs. 3,50,000	Rs. 3,62,739

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	2.96 Acres / 6796 mts	
Class rooms	22	
Laboratories	27	
Seminar Halls	01	
Classrooms with LCD facilities	14	4
Classrooms with Wi-Fi/ LAN	22	
Seminar halls with ICT facilities	01	
Video Centre	01	
No. of important equipments purchased (≥ 1-0 lakh) during the current year.		60 Computers and 1 Server
Value of the equipment purchased during the year (Rs. in Lakhs)		18.31 Lakhs
Others		Lab Equipments 12.44 Lakhs
		Projector 1.90 Lakh

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System -ILMS}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SOUL	Partially	2.0	2007

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	16876	20,21,163.00	29	11596	16905	20,32,759.00
Reference Books	690	6,73,794.95	-	-	690	6,73,794.95
e-Books	INFLIBBNET					
Journals	17	23900	-	-	17	24650
e-Journals	INFLIBBNET					5900
Digital Database						
CD & Video	654	-	13	-	667	
Library automation	-	-	-	-	-	-
Weeding (Hard & Soft)	500 (Hard)		490 (Hard)	90,000		
Others (specify)Magazines	42	27,963	-	-	40	27581
Newspapers	7	8,154	-	-	7	7670.50
EEPC Books	36	12,523	36	16908	72	29431.00

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	164	120	67			06	08	8	06
Added	61	56				01	-	-	04
Total	225	133	67			07	08	8	10

4.3.2 Bandwidth available of internet connection in the Institution (Leased line)

8 MBPS /GBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Nil	Nil

4.3.4 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
Nil	Nil	Nil	Nil

4.4 Maintenance of Campus Infrastructure

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
Rs. 84,53,500	Rs. 36,79,837.50	Rs. 95,04,961.48	Rs. 70,40,154

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. *(maximum 500 words)* (information to be available in institutional Website, provide link)
Link : www.nvpas.edu.in/Docs/AQAR2018-19/c4/4.4.2.pdf

In order to maintain and utilize physical, academic and support facilities of the institution a policy is chalked out accordingly by college Principal and management authorities. Management shoulders the complete task of infrastructure maintenance and development. Low cost maintenance is generally carried out within in the budget allocated to college. For carrying out any large-scale renovation and maintenance, application and requirement is submitted to the management through proper channel. The management is always supportive about proposals meant for maintenance and also upliftment of the facilities available and takes the necessary action according to priority and approval in annual budget.

A. Library

The Librarian looks after the general working and upkeeping of library. In addition, Library also has an advisory committee. The committee is selected by Principal and comprises of the faculty from each department.

Main Functions/roles of Library committee are:

- Finalizing the purchase of required books/periodicals as per requirement of each department.

- Framing and implementation of general rules of library.

- Deciding the duration and number of library materials issued to the library users.

- Providing suggestions for further improvement of library facilities.

B. Classrooms:

Total 22 classrooms available for conducting theory as well as tutorial classes.

C. Laboratories:

There are total 27 laboratories including research labs for conducting practical work of various courses offered. General maintenance of the laboratories is looked after by the Lab assistants under the supervision of HOD's. Maintenance and upliftment work in laboratories are carried by college office.

D. English Lab: English labs have been prepared for Functional English as per the requirement of curriculum and these are under the supervision of English HOD.

E. Botanical Garden: Botanical Garden is developed with well labelled more than 50 medicinally and economically plant species.

F. Research Labs: Special research laboratories are provided for Ph.D. students.

G. Canteen facility: Spacious canteen facility is available at the extended building of the college along the side of multi-purpose room.

H. Additional facilities: Common Facilities like auditorium, multipurpose room and recreational room are utilized commonly by all with prior permission from the Principal.

General maintenance of the College:

For the maintenance and upkeep of infrastructure facilities and equipment of the college, the following are the mechanisms:

1) The management (CVM) has an estate department which looks after the maintenance of building, furniture, sanitary, plumbing, garden and electrical related works. Maintenance is done through written application through Principal/Management.

2) Regarding the maintenance of equipment of various departments, the HOD writes an application to the Principal, who gets the approval from the management and directs the appropriate person for the same.

3) For software related maintenance, the programmer/technical staff takes care of it. Hardware related problems are outsourced with the approval from Principal/Management.

4) For day-to- maintenance, upkeep and cleanliness sufficient staffs are employed.

5)The college electricity wiring is fitted with MCBs.

6) The college provides 24 hrs water supply.

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

Financial support from institution	Name /Title of the scheme	Number of students	Amount in Rupees
	N.V.PATEL CHERITABLE	2	21000
	NVPATEL & PUSHPABEN	2	42000
	CHANDUBHAI C PATEL	2	7000
	MANI & DAHYA PATEL	3	12900
	SCHOLARSHIP FROM STAFF HIMANSHU TRIVEDI	1	30000
	SCHOLARSHIP FROM CVM KASMIRI STDENT	1	60000
	SCHOLARSHIP FROM CVM FEE MAFI	1	60000
Total		**12**	**2,32,900**
Financial support from other sources			
a) National	SC (Schedule Cast)	25	15,00,000
	ST (Schedule Tribe)	43	25,80,000
	OBC (Other Backward Caste)	38	1,90,000
	Minority	20	3,00,000
Total		**126**	**45,70,000**
b) International	Nil	Nil	Nil

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Linguistic Skills Development Course	23rd July,2019	14	Dept of English, NVPAS
Language Lab	2010	600	Dept of English, NVPAS
Counselling	1996	1350	NVPAS
Remedial coaching	1996	375	NVPAS
Guidance for competitive examinations	2005	53	EEPC cell, NVPAS

Network of BT capacity building cell (N-BTCBC)	2010	78	GSBTM, DST, Government of Gujarat

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2018-19	EEPC	53	53	Result Awaited	Result Awaited
2018-19	Career Counselling by NVPAS alumni association	----	324	--------	--

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
Repairing of toilet block in Bhikaka Boys Hostel	01	03 months

5.2 Student Progression

5.2.1 Details of campus placement during the year

On Campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
Glass Coat	33	3	Abodd pharma	Revathi Iyer	1
Knowledge Group of Institute	18	7			
Infinity Consultancy Services	45	2			

5.2.2 Student progression to higher education in percentage during the year :**2018-19**

64.2% (260/405)

YEAR	NO. OF STUDENTS ENROLLING INTO HIGHER EDUCATION	PROGRAMME GRADUATED FROM	DEPARTMENT GRADUATED FROM	NAME OF INSTITUTION JOINED	NAME OF PROGRAMME ADMITTED TO
2018-2019	260	BSC, BCA	ENVIRONMENTAL SCIENCE MICROBIOLOGY BIOTECHNOLOGY	SARDAR PATEL COLLEGE FOR EDUCATION, BAKROL	MSc ES MSc MICRO MSc BT MSc MED BT
			GENETICS BIOINFORMATICS	N. H. PATEL COLLEGE OF EDUCATION, ANAND	MSc Biomed Genetics
			MATHEMATICS INSTRUMENTATION CHEMISTRY	P. K. INAMDAR COLLEGE OF EDUCATION, BAKROL	MSc HUMAN GENETICS GENE. ENG. MSc CLINICAL RESEARCH
			INDUSTRIAL CHEMISTRY COMPUTER SCIENCE	M. B. PATEL COLLEGE OF EDUCATION, VALLABH VIDYANAGAR	MSc BNF MSc MATHS MSc CHEMISTRY
			INFORMATION TECHNOLOGY BCA	ISTAR, VALLABH VIDYANAGAR	MSc IND. CHEMISTRY MCA-MGNT BEd MBA MSc IT MCA

					DEPARTMENT OF CHEMISTRY, S P UNIVERSITY, VALLABH VIDYA NAGAR		
					A N PATEL PG INSTITUTE, ANAND		
					CENTRAL UNIVERSITY OF GUJARAT, GANDHINAGAR		
					BHARATI VIDYAPEETH, PUNE		
					BRDU BIOSCIENCE DEPT, S P UNIVERSITY		
					JNVU BED COLLEGE, JODHPUR		
					BAVISGAM BED COLLEGE, VALLABH VIDYANAGAR		
					IICISST BIO DEPT, SPU		
					DEPARTMENT OF MICROBIOLOGY, M S UNIVERSITY OF BARODA, VADODARA		
					DEPARTMENT OF MATHEMATICS, S P UNIVERSITY, VALLABH VIDYA NAGAR		
					IIHMR UNI,		

					JAIPUR		
					GUJARAT UNIVERSITY, AHMEDABAD		
					UKA TRASADIA UNIVERSITY, BARDOLI		
					MCA PROGRAMME, M S UNIVERSITY OF BARODA, VADODARA		
					FACULTY OF COMP. TECH., GLS UNIVERSITY, AHMEDABAD		
					IGNTU, MP		
					SINHGADH UNI., PUNE		
					NIRMA UNIVERSITY, S G HIGHWAY, CHANDLODIA, AHMEDABAD		
					VELLORE UNIVERSITY OF BIOMEDICAL GENETICS, VELLORE		
					M B PATEL COLLEGE OF APPLIED SCIENCE, ANAND		
					SHRI GURU GOBIND UNIVERSITY, GODHRA		

					SHREE I P PATEL INSTITUTE OF MEDICAL, ANAND		
					NARMADA COLLEGE OF MANAGEMENT GUJ UNI M B A		
					SAURASHTRA UNIVERSITY, RAJKOT		
					SHRI ARJUN B ED COLLEGE SUPASI, JUNAGADH		
					ARIBAS, NEW VALLABH VIDYANAGAR		
					J & J COLLEGE OF SCIENCE, NADIAD		
					MGM SCHOOL OF BIOMEDICAL, MUMBAI		
					D Y PATIL UNIVERSITY, PUNE		
					VIT UNIVERSITY, VELLORE		
					DEPARTMENT OF ENVIRONMENTAL SCIENCE, M S UNIVERSITY OF BARODA, VADODARA		
					MIT WORLD PEACE UNI. PUNE		
					ICRI, MUMBAI		
					SIES COLLEGE OF ARTS, SCIENCE,		

				AND COMMERCE, MUMBAI		
				GFSU, GANDHINAGAR		
				COLLEGE OF EDU., SHAMLAJI		
				MDS UNI, AJMER		
				ITM UNIVERSE, VADODARA		
				DEPT OF APPLIED CHEMISTRY, MSU		
				JAIPUR NATIONAL UNIVERSITY		

5.2.3Students qualifying in state/ national/ international level examinations during the year (eg:

NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)		
Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	01 (SNEHA RANA)	355300
SET		
SLET		
GATE		
GMAT		
CAT		
GRE	02	
TOFEL	01(ARUSHI DAVESAR)	0000 0000 3503 1251
Civil Services		
State Government Services		
Any Other (IELTS)	10	
	01 (HELLY SHAH)	358683
	01(VIDHI PATEL)	331467
	01 (MIKAIL BALA)	358717
	DEVANSHI SHAH	319785
	ASAD VAHORA	043265
	MAYUR VAISHNAV	394402
	DHRUV MODI	107727
	INDRAJEET SINH DABHI	331472
	ZEEL CHAUHAN	394397
	POOJITHA PATAL	092536

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Participants
Collective celebration of Teachers' Day, Janmashtami and Independence Day was organized on 05-09-18 wherein student performed dance and singing on the theme.	College	97
Light Vocal Competition (Solo) was organized on 11-09-18 at 11 am in the college auditorium wherein 9 students had participated.	Inter-class	9
Western Vocal Competition (Solo) was organized on 11-09-18 at 10.30 am in the college auditorium wherein 4 students had participated.	Inter-class	4
Clay Modelling Competition was organized on 11-09-18 from 11 am to 1 pm wherein 2 students had participated.	Inter-class	2
Collage Making Competition was organized on 11-09-18 from 2 pm	Inter-class	2

to 4 pm wherein 2 students had participated.		
Rangoli Making Competition was organized on 11-09-18 from 3.30 pm to 5.30 pm in the college library wherein 13 students had participated.	Inter-class	13
Elocution Competition on the topic 'One nation, One election' was organized on 11-09-18 from 2.30 pm onwards in the college auditorium wherein 17 students had participated.	Inter-class	17
Quiz Competition was organized on 11-09-18 4.30 pm onwards in room. No. 316 wherein 23 students had participated.	Inter-class	23
Classical Dance Competition was organized on 11-09-18 at 10 am in the college auditorium wherein 4 students had participated.	Inter-class	4
On the Spot Painting Competition was organized on 12-09-18 from 1 pm to 3 pm in the college library wherein 9 students had participated.	Inter-class	9
Poster Making Competition was organized on 12-09-18 from 10.30 am to 12.30 pm in the college library wherein 14 students had participated.	Inter-class	14
On the Spot Photography Competition was organized on 12-09-18 from 12.45 pm to 2.45 pm in the college library wherein 4 students had participated.	Inter-class	4
As a part of Navaratri celebration, the portfolio organized Ratri Before Navratri on 08-10-18. The students enjoyed the event a lot.	College	550
The Talent Evening was organized on 22-02-19. 96 students participated in various events including singing, dancing, drama etc.	College	96
Inter-Class Cricket Tournament	College	195
Inter-Class Volleyball Tournament	College	120
Inter-Class Football Tournament	College	120
Annual Sports Day Athletic meet	College`	300

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
	NIL					

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The College Madhyastha Samiti aims at the overall development of students' personality thereby inculcating into them the values of our Indian culture and the true sportsmanship so as to achieve the growth of an individual by creating an environment conducive for healthy competition in the college and the society at large.

Under the ages of Madhyastha Samiti all the extracurricular activities are carried out under the various portfolios namely, Faculty of Music, Dance & Theatre, Faculty of Arts, Faculty of Sports, Faculty of Creative Expression, Faculty of Knowledge, Faculty of Social Services and Nature Club, women development cell, gender and equity cell, sexual harassment cell etc.

Under the constant guidance and dynamic leadership of our President and Principal Dr. Basudeb Bakshi, the Madhyastha Samiti organized variety of events throughout the year. This year, too, our

students shone out with their dazzling performances and won many prestigious prizes, bringing more feathers to the crown of NVPAS.

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

NO

5.3.2 No. of ~~registered~~ enrolled Alumni:

5.3.3 Alumni contribution during the year (in Rupees) **:**

10,000/-

5.3.4 Meetings/activities organized by Alumni Association **:**

ACTIVITIES - 3 (Alumni Get-Together, Career Quantum, Farewell to Third Year students)
MEETINGS – 6

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The college achieves its goals and objectives by promoting the concept of participative as well as decentralised management strategies at all levels. The college has adopted a hybrid model of decentralized-cum-inclusive management. Two examples of such practices are cited below :

Example 1 : Examination/Evaluation System :

The college has adopted continuous evaluation method for all the students. The Examination Committee headed by the Examination Co-Ordinator conducts weekly tests in the college on every Monday. The Co-Ordinator is assisted by the examination committee which comprises of one representative member from each department. In the beginning of academic session the Exam co-ordinator prepares the schedule for the weekly tests for the whole session in consultation with Principal and Heads of Departments. The scheme for the internal assessment is notified to the students through notice boards and student mentors/counsellors. The departmental representative takes care to display the syllabi for the tests at least one week prior to the tests. The representatives distribute invigilation duties to the staff members of department and collect the question papers in sealed covers from them and submit them to the examination committee. Once the weekly test is conducted, the concerned teachers assess them and prepare mark sheet. Also the concerned teachers enter the marks of students in the ERP system. The exam committee member displays the marksheets on departmental notice board and submits copy of the same to Head of Department and to the college office.

Example 2 : Students Mentoring/Counselling Cell

The students' counselling cell is headed by Counselling Co-ordiantor. In the beginning of the academic year, the co-ordinator invites the batch-wise probable list of teachers from the heads of department. Then the counsellors are appointed according to the list in consultation with Principal. The students are divided into small batches of 25 to 30 students and one batch is allocated to each counsellor. The list of the counsellors is displayed on college notice board. The name and contact details of the counsellor is then sent to the parents of students by college office through post. The counsellors collect information regarding students of their batches in the prescribed format. They inform the parents about attendance of students, the performance of students in the weekly tests. They also discuss the strategies and corrective actions for the improvement of performance of student with their parents. Thus the whole Student Counselling Cell assures the transparency of the college academic and administrative systems by disseminating the information to the stake holders through decentralized way and involving the teaching as well as non-teaching staff into the process.

6.1.2 Does the institution have a Management Information System (MIS)?

Yes/No/Partial: Yes

The college carries out its academic and administrative activities smoothly and communicates with its stake holders at different levels through an effective Management Information System in terms of ERP system and other web based facilities. The admissions to the college is supported by the college website based services like application forms, information regarding courses offered and intake. The college also makes use of the University based centralised admission process as well as the services

provided by the Charutar Vidya Mandal Website. The college has developed its own ERP system to help the teaching and administrative staff for smooth flow of information and instructions to students, teachers, parents and other stake holders. The entire examination system works effectively through ERP system as well as the Google based web application systems. The college administration also makes use of the social apps like WhatsApp and the institutional email facility provided to the staff members. Different cells and Departments also make extensity use of web based facilities like WhatsApp for speedy communication with students and other stake holders. The web based facilities like MOODLE for teachers/mentors and students for communication are 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.

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (within 100 words each):

❖ **Curriculum Development**
- The college implemented the new course structure and Model Curriculum prescribed by Sardar Patel University for the First Year B. Sc. Semesters 1 and 2 in the subjects Physics, Chemistry, Biology, Mathematics and Computer Science.
- Faculty members participated in framing of model curriculum for semesters 3 and 4 as members of board of studies of university in the subjects Applied Physics, Biotechnology, Genetics, Bioinformatics, Chemistry, Industrial Chemistry, Computer Sciences, Mathematics, Instrumentation, Microbiology, Environmental Sciences, etc.
- Faculty members also participated in designing of question banks for the On-Demand Examinations conducted by the University.

❖ **Teaching and Learning**
- All classrooms were equipped with LCD projectors by adding 5 more LCD projectors.
- New features like students' leave records were introduced in the ERP system to strengthen the process of attendance monitoring.
- E-content and video lectures, power point presentation and lecture notes are available on college website.
- The college runs Certificate and Add on courses based on skill development.
- National and state level seminars, workshops / conferences organized by the Departments.
- Weekly tests and tutorial classes conducted throughout the academic year.
- The Entrance Examination Preparation cell (EEPC) and NBTCBC sponsored by GSBTM.

❖ **Examination and Evaluation**
The following strategies were adopted to improve the examination and evaluation system in the college :
- Instead of Preliminary exam, two rounds of unit tests were conducted to thoroughly cover the entire syllabus in unit tests.
- Evaluation guidelines, test schedule, etc. are made available to the students through notice boards as well as through social media like WhatsApp through counsellors.
- Details of students are made available to faculty members as well as students through Sardar Patel University website.
- Examination Reform Committee(ERC) and Examination Grievance Redressal Committee were formed.

❖ **Research and Development**

- The faculty members of the college are actively involved in research activities through the Research Projects by various funding agencies like GUJCOST, DBT, UGC, FES, DST, ISRO, MHRD etc and contributed to the technical knowhow in their respective areas of research by publishing research papers in the journals of national and international repute and participation in national and international seminar/symposia/workshop.
- The faculty members also guided Research Scholars for the Ph. D. degree under Sardar Patel University.
- The departments have well-equipped Research facilities in Biological, Physical and Chemical Science departments.

❖ **Library, ICT and Physical Infrastructure / Instrumentation**
- The college S. S. Patel NVPAS College Library is computerized and equipped with more than 18000 books including reference and text books, 3829 e-journals, more than 80000 e-books under the N-List INFLIBNET facility, and is continuously enriched with new books and facilities every year.
- Bar-coding system and soul software is employed for issue and return of books.
- Wi-Fi facility to students in the library premises.
- The library is equipped with xerox machine facility.

❖ **Human Resource Management**
- The college appoints sufficient number of teaching and non-teaching staff to cater to the academic and administrative needs.
- The staff members are provided with casual leaves, maternity leaves, paternity leaves, medical leaves, duty leaves etc.
- Various welfare schemes are in force for the benefit of staff members.

❖ **Industry Interaction / Collaboration**

To provide the students with Hands-on training and the field exposure, the college has established strong industrial collaboration in and outside the campus. During the current year students from different departments visited following industries/institutes :
1. Amul Dairy, Anand
2. Sophisticated Instrumentation Centre for Research and Testing, V. V. Nagar
3. Vidya Wires Ltd., Vitthal Udyognagar, Anand.
4. Institute for Plasma Research, Gandhinagar
5. Vikram Sarabhai Space Exhibition Centre, ISRO, Ahmedabad
6. Duravit Ind. Ltd., Tarapur
7. Purnima Chemicals, Ahmedabad
8. Divine Polymers, Ahmedabad
9. Berger Paints, V. U. Nagar
10. NECL, Nandesari, Vadodara
11. CETP, Nandesari, Vadodara
12. Basic Pharma Life Science and Reine Life Science, Ankleshwar
13. Sterling Biotech Ltd., Vadodara
14. Akanksha Hospital and Research Centre, Anand
15. Anand Agriculture University, Anand
16. SPRERI, V. V. Nagar

❖ **Admission of Students**
- Centralized admission procedure through Sardar Patel University website.
- Information and guidance for admission procedure through personal counselling during vacation, on phone, as well as college website.
- Orientation program for the students for disseminating information about various courses offered.

	- Offering more options to pay fees, like payment of fees by cash, cheque, demand draft, part payment, etc. - Computer facility to the students for filling up the online admission forms. - Direct admissions to outside students in the second year of B.Sc upon the production of provisional eligibility certificate from the university.

6.2.2 : Implementation of e-governance in areas of operations:

❖ **Planning and Development**

The college has adopted several modes of e-governance for disseminating information and decisions to the stakeholders, starting from the management to students, parents. Within the staff and faculty members the information is passed on through institutional e-mail id provided by the college. The students and parents are contacted through phone, postal letters, certain social media. Also the information is disseminated and views of faculty members are sought through social media apps and groups. The college ERP system connects Principal and college office to the staff members through which the information is disseminated and strategies and actions are decided. For the academic planning and implementation, certain special online software facilities like MOODLE and the online Apps and platforms provided by S. P. University are used for the academic planning.

❖ **Administration**

The college makes extensive use of e-resources for making the administration processes smooth and user friendly. The important notices are sent to the faculty members through WhatsApp or institutional e-mail accounts and the required data or reports are submitted by Heads and faculty members in the electronic format back to the college office. The college is equipped with the necessary software for generating pay rolls and calculations of income tax. The processes related to academics are carried out through ERP system.

❖ **Finance and Accounts**

The college uses Tally software to facilitate the finance and accounting tasks. The accountant and other administrative staff are well-verse of the software utilities and applications. Also they are provided necessary training for that as and when required. The college accounts and the research projects accounts are maintained through this facility.

❖ **Student Admission and Support**

All details regarding the history of college and management, various courses offered by the college, the intake in the courses, etc are made public on the college website as well as the online platform provided by CVM on its website. Online support for admission is also provided to the students for admission procedure.

❖ **Examination**

The college ERP system makes the entire evaluation process smooth and time efficient. The results of the internal assessment are prepared through ERP system by the faculty members and communicated to the college office. The preparation of question papers for the internal examinations is in the electronic format and the mark sheet is prepared through college ERP system. Also the attendance of the students are submitted by faculty members through ERP system.

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

-NIL-				
Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support

6.3.2 Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2018	KIA workshop on skill for student parenting		31/07/2018 01/08/2018 28/8/2018 20/8/2018 04/09/2018 25/10/2018 10/12/2018	37	
2018	KIA workshop on team creativity@ workplace		31/07/2018 01/08/2018 20/8/2018 28/08/2018 04/09/2018 18/09/2018 26/9/2018 25/10/2018 10/12/2018	37	
2019	Workshop on R Programming, on		31st January to 1st Feb	45	
2018	Website Designing under IQAC of the college for teaching faculty on.		6/10/2018	14	
2019	KIA workshop on Subject		March 13-14,2019 4-5 April 2019 15-16 March 2019	37	

Domain					

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
07	37	July 2018-April 2019
KIA workshop on skill for student parenting	37	31/07/2018 01/08/2018 28/8/2018 20/8/2018 04/09/2018 25/10/2018 10/12/2018
KIA workshop on team creativity@ workplace	37	31/07/2018 01/08/2018 20/8/2018 28/08/2018 04/09/2018 18/09/2018 26/9/2018 25/10/2018 10/12/2018
Workshop on "Python Programming"	01	10/08/2018 11/08/2018
Website Designing under IQAC of the college for teaching faculty on	15	6/10/2018
KIA workshop on Subject Domain	37	March 13-14,2019 4-5 April 2019 15-16 March 2019
Workshop on "Python Programming"	01	10/08/2018, 11/08/2018
Short Term Training Programme on Android and Python Application Development organised by GUJCOST	01	30/04/18 To 05/05/18

6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
2017-2018 (Total - 02)		**2018-2019 (Total - 02)**	

1) Mr. Nirav Sapariya (Chemistry) 2) Dr. Kinnar Pandya(Chemistry) **2018-2019 (Total - 04)** 1) Dr. Dhananjay Dhruv (Physics) 2) Dr. Naveen Agarwal (Physics) 3) Dr. Shreekant Pathak (Maths) 4) Dr. Leena Kawane (Maths)	Mr. Nirmal Patel (Chemistry laboratory staff) Mr. Suresh Bhardhani (Peon, Chemistry)

6.3.5 Welfare schemes for

Teaching Staff
    1. EPF
    2. Maternity and Paternity leave
    3. Group Insurance
	3

Non-teaching Staff
    1. EPF
    2. Maternity and Paternity leave
    3. Privilege leave
    4. Group Insurance
	4

Students
    1. CVM scholarship
    2. N. V. Patel Charity Trust scholarship
    3. Government scholarships for SC / ST / OBC / Minorities
	3

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly
(with in 100 words each)

The management of college, CVM, conducts internal audit of the college accounts on 31st March of every year. If some audit objections arise during this audit, then it is reported to management and a permission for the settlement of the objection is sought. Once the permission is obtained, the account is settled accordingly. Under this audit, all the accounts related to fees, research projects, purchases and other monetary transactions are thoroughly audited. Also it is verified whether the transaction made in the account are in accordance with permissions and funds. Also it is checked whether the necessary procedures are followed or not. Once the internal audit is over and the objections raised by internal auditors are settled, then college gets their accounts audited by the reputed external agency M/s. Apaji Amin and Co., Ahmedabad. The external agency also conducts a thorough audit of the college accounts and checks for all the monetary transactions. Once the audit is over and all the objections are settled, the external agency submits audit reports.

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
Gir Foundatioin, for starting ECO Club	5000/-	To create awareness about environmental

		issues
Management scholarships	235000/-	To help meritorious and needy students
Management support for organising seminars	31926/-	For the professional development of students and faculty members
Total Amount	271926/-	

6.4.2 Total corpus fund generated : Rs. 96,16,261.00

6.5 Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	NO	- - - - -	Yes	COLLEGE IQAC
Administrative	Yes	Chartered Accountant firm: M/s Appaji Amin & Company and Mr. Kiranbhai F. Patel Company	Yes	CVM

6.5.2 Activities and support from the Parent – Teacher Association (at least three)

- The college organized an Open House Programmes on 19/08/2018 for odd semester students and on 2/02/2019 for even semester students to discuss the performance of students with their parents.
- The college organized an Orientation Programme for FYBSc students on 18/06/2018 to make the new students familiar about the systems and the procedures of the college as well as the various schemes of the college which are announced time to time in the college.
- An Orientation Programme for SYBSc students was organized on 14/06/2018 to provide them information about the various principal subjects offered and the future scope of them, to the students from second year B.Sc. onwards.
- The Alumni Association of the college carried out different activities during the academic year 2018-19 in coordination with the alumni members. A list of the activities carried out by Alumni Association of the college is given below :
  - A farewell function for the TYBSc students on 20th March, 2018.
  - Annual Alumni Get together on 14th December, 2018. More than 130 alumni attended the function. 5 Alumni were felicitated for their special achievements.
  - Mr. Parth Thakur, Trustee of Wishing Factory deliver invited talk invited talk on 6th September 2018.
  - Mr. Karan Thakar delivered a lecture on Molecular Biology on 27th April 18, on event of NBTCBC workshop.
  - Mr. Laxmichand Khatri delivered lecture during NBTCBC workshop on Chemistry, Feb 2018.
  - Ms. Shiksha Sharma delivered lecture during NBTCBC workshop on Student Mentorship, April 2018.
  - Mr. Bhautik Sheth delivered lecture on Digital Marketing at TechnoAstrum State Level IT Competitions.

6.5.3 Development programmes for support staff (at least three)

- Nine class 4 employees were deputed by the college for participation in a workshop on "Work Etiquettee and Grooming" organised by S. M. Patel College of Home Science, Vallabh Vidyanagar, held on 29th December 2018.

6.5.4 Post Accreditation initiative(s) (mention at least three)

- Green Audit of Institution
- Registration in National Green Crops Program of Ministry of Envt, Forest & Climate change, Govt of India as Eco club of India through Nodal agency of GEER Foundation
- Conduction of Institutional Audit
- Two Days Faculty Induction Program for new staff members
- Organising State level seminars/workshop
- Conducting Certificate Program
- Introduction to On Demand Examinations
- Orientation Program for F Y B Sc

6.5.5
a. Submission of Data for AISHE portal   : (Yes /No) **YES**
b. Participation in NIRF   : (Yes /No) **YES**
c. ISO Certification   : (Yes /No) **NO**
d. NBA or any other quality audit   : (Yes /No) **NO**

6.5.6 Number of Quality Initiatives undertaken during the year : 09

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from – to)	Number of participants
2018-19	EEPC		July 2018 To End of the Year	75
2018-19	Certificate course in Measurement Proficiency Development		Jan 2019 to March 2019	26
2018-19	Certificate course in Industrial Biotechnology organized jointly by BT/GT/BNF & Microbiology Departments		July 2018 To End of the Year	30
2018-19	Two-Week Skill Development Programme on Writing Job Application and Resume', 'Group Discussion' and 'Interview Skills' organised by English Department		July 2018 To End of the Year	30
2018-19	Computer Sciences dept organized Two-day Workshop on R Programming		31st January 2019 to 1st Feb 2019	45

2018-19	Certificate course in Web Designing organised by Comuter Science Dept.		23rd July 2018 onwards	30
2018-19	Crash workshop (NBTCBC) organized by EEPC		May 2019	25
2018-19	Laboratory aspects in analytical chemistry and some commercial analysis organised by Chemical Sciences Dept	August 2018		22
2018-19	One day workshop on Utilization of Certain Sophisticated Instruments organised by Physical Sciences Dept in collaboration with SICART and CSC, SPU	27th February 2019		53

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period (from-to)	Participants	
		Female	**Male**
Invited Talk by Dr. Rekha Emanuel	02-08-2018 at 4.00 p.m.	174	NIL
Poster Making Competition	13-08-2018 at 3:00 pm.	22	3
Workshop on "Digital Girl" social media awareness programme	22-01-2019 at 11.30 am	120	NIL

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the College met by the renewable energy sources

Alternate Energy Initiatives such as:
Percentage of Annual Power Requirement of the Institution Met by the Renewable Energy Sources
Annual Power Requirement Met by Renewable Energy Sources (in KWh)
Data Requirements: As Per Data Template in Section B
- Power Requirement Met by Renewable Energy Sources
- Total Power Requirement

Formula: Annual Power Requirement met by Renewable Energy Sources X 100
                         Annual Power Requirement

7.1.3 Differently-abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	**Yes (Wheel-Chair)**	**-**
Provision for lift	**Yes**	**-**
Ramp/ Rails	**Yes**	**-**
Braille Software/facilities	**No**	**-**
Rest Rooms	**Yes**	**-**
Scribes for examination	**Yes (If he/she demands)**	**-**
Special skill development for differently abled students	**Yes**	**-**
Any other similar facility	**No**	

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2018-19	Nil	2	24-09-18	Fund of Rs. 7168/- raised for the National Association for the Blind – Anand Dist	Upliftment of the Blind people	All students and staff members of the college
			05-09-18	'The Echo Shop' – Articles made by volunteers of Carbon Footprint Club were sold and fund raised was utilized to buy educational stationery for students of Sharda Mandir School, V. V. Nagar	Being helpful to the needy students	4 staff members + 20 students

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

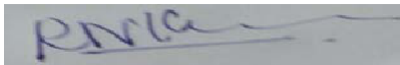| Title	Date of Publication	Follow up (maximum 100 words each)
The Charutar Vidya Mandal Services (Conduct) Rules, 2010	13/10/2010	Our college is managed by our trust Charutar Vidya Mandal. Therefore a common handbook is published by CVM and all

---

Part I		employees working in different institute of CVM must follow the rules and regulations defined in these rule books.

This book contains rules and regulations regarding commencement and applicability, conduct and repeal & saving. This hand book contains the rules which shall apply to all employees of the Units of the Mandal and the employees working in the office of the Mandal. |
| The Charutar Vidya Mandal Services (Discipline and Appeal) Rules, 2010

Part II | 13/10/2010 | This book contains rules and regulations regarding commencement and applicability, Suspension, Penalties and Authority to Institute Proceedings, Procedure for Imposing penalties, Appeals. This hand book contains the rules which shall apply to all employees working in the office of the Mandal. |
| The Charutar Vidya Mandal Employees (Conditions of Service) Rules, 2010

Part III | 13/10/2010 | This book contains rules and regulations regarding condition of service, retirement and superannuation, maintenance of records of service, pay, leave, travelling allowances, suspension, dismissal and removal, other allowances, repeal & savings. So these rules shall apply to all employees of the Self Financed Units of Mandal and the employees working in the office of the Mandal. |
| Sardar Patel University

Part II of Hand Book

(Act, Statutes, Ordinances & Regulations) | July 2009 | This hand book contains information regarding University, Officers of the University, Authorities of the University, Enrolment and Degrees, Finance, Statues, Ordinances & Regulations, Affiliation & Recognition, Organization within the University Area and Control over Institution outside the university area, General, Transitory Provisions.

Our college is affiliated to Sardar Patel University. Therefore our institute as well as each and every teaching employee of our college must follow the rules and regulations mentioned in this given hand book. |

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-------to-------)	Number of participants
Kargil Vijay Divas Celebration by NSS Unit	26-07-18	110
Essay Writing Competition on 'Sardar Patel - A Legendary Leader' by NSS Unit	01-08-18	29
Blood Donation Camp by NSS Unit	09-08-18	83
Patriotic Song Competition by Gender Sensitization Cell	13-08-18	104

Combined celebration of Teachers' Day, Janmashtami and Independence Day by Faculty of Music, Dance and Theatre	05-09-18	90 staff + 115 students
Celebration of Gandhi Jayanti by NSS Unit	02-10-18	60 teachers + 150 volunteers
Birth anniversary of Sardar Vallabhbhai Patel by NSS Unit	30-10-18	98 staff + 46 volunteers
Blood Donation Camp by NSS Unit	03-01-19	168

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Development of Medicinal plant garden

2. Rain Water Harvesting in the College Campus

3. Green Audit Cell

4. Carbon Foot Print Club

5. Eco Club of India

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

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