Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**VITTHALBHAI PATEL & RAJRATNA P.T. PATEL SCIENCE COLLEGE**
Name of the head of the Institution	**Bhavesh Patel**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02692-230011**
Mobile no.	**9825293238**
Registered Email	**vprptpsc@vpscience.org**
Alternate Email	**bhavesh1968@rediffmail.com**
Address	**Near Post Office**
City/Town	**Vallabh Vidyanagar, Anand**
State/UT	**Gujarat**
Pincode	**388120**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed and grant-in-aid**
Name of the IQAC co-ordinator/Director	**Dr Nikunj Bhatt**
Phone no/Alternate Phone no.	**02692230011**
Mobile no.	**9825293238**
Registered Email	**drnikunjbhatt@vpscience.org**
Alternate Email	**drnikunjbhatt@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.vpscience.org/portfolio/AQAR/AQAR%2018-19.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://vpscience.org/images/CAL1920.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**80.10**	**2007**	**31-Mar-2007**	**31-Mar-2013**
2	**A**	**3.12**	**2013**	**23-Mar-2013**	**23-Mar-2018**
3	**A**	**3.13**	**2018**	**14-Feb-2018**	**14-Feb-2025**

6. Date of Establishment of IQAC

28-Feb-2008

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Exit meeting with T Y B Sc Students	25-Apr-2019 1	350
Arranged IQAC meetings with different stakeholders to disseminate of information on various quality parameters of higher education	21-Dec-2020 1	12
Demonstration Workshop organised at our sister Institute SICART for VI semester students	17-Jun-2019 5	340
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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
nil	nil	nil	2020 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**11**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

Preparation for NAAC Revisit and received A grade Parents and Teachers feed back Initiated Syllabus review committee Exit meeting of Last semester students Applied for NIRF, GSIRF and AISHE

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

Plan of Action	Achivements/Outcomes
Planning for NAAC and AAA re accreditation for third cycle, Seminar	A grade by NAAC Passed will be carried out in January 21
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Academic Council	18-Dec-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**18-Oct-2019**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**
Date of Submission	**11-Feb-2019**
17. Does the Institution have Management Information System ?	**No**

<div align="center">Part B</div>

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

Our college is an affiliated college hence; the curriculum is provided by the University and deployed as follows: The college time table committee plans the schedule for teaching process according to UGC and State Government Resolutions. Work allotments: The Heads of Departments allot teaching duties as per 16 hrs per teacher initially. In case the workload is more, then the responsibility is shared as per availability e in the department. Teachers have to maintain a teachers' diary and if on leave, the concerned faculty has to mention adjustment in the leave report. In some instances, where the government has sanctioned no posts, the management has generously appointed Ad Hoc

teachers. For example, the departments of Industrial Chemistry, Mathematics &Statistics, and English Ad Hoc teachers have been appointed by the management. Academic Calendar: Academic Calendar is prepared according to the schedule provided by Sardar Patel University and the programs planned for the year. Calendar is provided to each student, faculty and stakeholder for their information. The same is also uploaded on the institutional website. Teachers' dairy: All the teachers are provided a Teacher's Dairy for their teaching plans and the record of their co and extra-curricular activities. Deployment of Curriculum: Most of the teachers teach with the help of ICT facility along with the traditional method. In the semester I and II study materials are provided for easy familiarization of students in the college and later students are motivated to use our rich library. From the second year onwards learning is also done through seminar and presentations Our special book bank facility is very useful to students in which NAAC for Quality and Excellence in Higher Education students are allowed to use books for all two semesters with nominal wear & tear Charges.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
00	0	Nil	00	00	0

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	Nil	Nill
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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.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	Science	11/06/2019

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

	Certificate	Diploma Course
Number of Students	Nil	Nil

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
Science and Spiritual – I and II	10/06/2019	30
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BSc	In plant training	Nill
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1.4 – Feedback System	

1.4.1 – Whether structured feedback received from all the stakeholders.	
Students	Yes
Teachers	Yes
Employers	Nill
Alumni	Nill
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
Feedback is obtained from Students is filled online through Google form by UG Students on their last examination day in the college each student has to login first, Feedback is received on varied aspects of the college including location, office, canteen, laboratory, library, administration and academics. The points are calculated according to the grades given by the students in various criteria. The grades are given as A, B, C, D, The Average and percentage of various criteria are calculated. on the basis of grades mentioned by the students feedback is summarized and and graphics are generated. Feedback is also collected from the parents during Parent Teacher Meetings (PTMs) that are organised by each and every department of the college. Suggestions and comments given by the guardians are also taken into account for future development. same as Feedback is also collected from the teachers. The different areas where improvements are required are discussed in respective committees/departments. The proposals given by the different committees and departments are discussed in GB of the college for necessary action. Strengths of the college are also taken into consideration for further up gradation.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year				
Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	Science	720	1800	779
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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 fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	779	Nill	67	Nill	67

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 Tools and resources	Number of ICT enabled	Numberof smart classrooms	E-resources and techniques used

	ICT (LMS, e-Resources)	available	Classrooms		
67	67	24	13	1	Nill

View File of ICT Tools and resources
View File of E-resources and techniques used

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)
The college has since last several years practiced a system of mentoring called the Teacher-ward system, whereby a Teacher was provided to every ward to look after his/her academic and psychological well being and also monitor class attendance and performance. The same system has now been restructured and named Mentor system. Under the Mentor system, the full-time teachers of the college have been engaged as mentors of each class. Students of each class in the college are having a full-time teacher as their mentor. The classes, where there are huge numbers of students, have been assigned more than one mentor. At the beginning of the academic session, the class-wise names of the mentors are displayed on the college website. The mentors are responsible for academic progress and psychological wellbeing of their mentees. They are also entrusted with the task of monitoring the attendance and academic progress of the students. They also provide primary psychological counselling to those who need them and refer them for more professional counselling, if required. At the beginning of the academic session, the mentors conduct orientation programmes for the mentees, whereby they are aquainted with the institution, its goals and mission, the facilities available and the regulations of the affiliating university. The mentors maintain the biographic details of each individual mentee including educational background and socio-economic status. They also maintain record of their classattendance, class-performance and academic progress. The mentors use both formal and informal means of mentoring. The mentor system, apart from its formal part, also exists as a robust informal mechanism to boost inclusiveness, gender sensitivity and social responsibility of students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1868	67	1:28

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
20	20	Nill	20	2

2.4.2 – Honours and recognition 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
2020	Dr Bhavesh Patel	Principal	CVM Gaurav Purakkar for NAAC 'A' Grade
2020	Dr Nikunj Bhatt	IQAC / CIQA coordinator	CVM Gaurav Purakkar for NAAC 'A' Grade
2020	Dr B C Dixit	Associate Professor	GSA : Best Teacher Award, in 34th Gujarat Science Congress at Ganpat University, Kherva, Mehsana.
2020	Dr P M Patel	Associate	GSA : Best

			Professor	Teacher Award, in 34th Gujarat Science Congress at Ganpat University, Kherva, Mehsana.

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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
BSc	BSc	Semester	19/10/2019	23/12/2019
BSc	BSc	Semester	18/04/2020	15/06/2020

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

The college conducts one internal evaluation every semester for both theory and practicals. We used to have unit wise monthly assessments for semester V and VI students'. However due to paucity of adequate number of permanent teachers, it was very challenging to timely evaluate the papers. There for we started giving the students' assignments, unit wise presentation tasks, and seminars presentations tasks along with a traditional question papers as part of internal evaluation. And for first year students' assignments are given. Remedial coaching: Remedial classes are organized every week for each class in each paper. Teachers are conducting problem solving sessions in it, as well as re- explanations of difficult topics. Absentees are also called to attend the classes to cover the topics which they missed.

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

The committee consisting of Principal and ex officio of Academic calendar committee prepares the academic calendar well in advance before the commencement of the semester. The calendar outlines the semester class work schedule, internal examination schedule and external examination schedule, and other extracurricular schedules. This academic calendar distributed to each student and faculty members before the commencement of the semester. By and large we do follow the calendar and whatever minor changes occur are if examination schedule change by the university. Time table committee prepares the curriculum time table by keeping calendar in mind. Faculty members prepare and plan their lecture schedule according to the academic calendar.

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)

http://www.vpscience.org/RAR_DOCS/261ProgOutcome.aspx

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year	Number of students passed in final year examination	Pass Percentage

	examination		

B.Sc	BSc	Science	524	495	94.47

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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)

http://www.vpscience.org/RAR_DOCS/271sss.aspx

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	Amount received during the year
Major Projects	1095	DST-SERB	1937636	0

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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
nil	nil	

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
nil	nil	nil	Nill	nil

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
nil	nil	nil	nil	nil	Nill

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
4	0	0

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

Name of the Department	Number of PhD's Awarded
0	Nill

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics	1	3.2

International	Industrial Chemistry	2	4.67
International	Chemistry	3	2.85
International	Zoology	1	1.8

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

Department	Number of Publication
BCA	1
PTI	2
English	1
Mathematics	3
Physics	2

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Nesting, Protective and Foraging Behavior of Oecophyllasmaragdina (Weaver Ants) in Anand, Gujarat	Dr Nikunj Bhatt and Devyangi Thakar	Advances in Zoology and Botany 8(4): 351-357, 2020	2020	0.53	Vitthalbhai Patel and Rajratna P T Patel Science College	22
Electron interaction with astro chemical compounds	Dr. Minaxi Vinodkumar	Planetary and space science	2019	2.03	Vitthalbhai Patel and Rajratna P T Patel Science College	121
Simultaneous Removal of Dyes Colour and Cu(II) Metal	Dr B C Dixit	ASSIIAN JJOURNAL OF CHEMIISTRY31, (10) (2019) 2240-2244	2019	0.54	Vitthalbhai Patel and Rajratna P T Patel Science College	34
Design and synthesis of leucine	Tarosh S. Patela, Jaimin D. Bhatt,	Bioorganic Medicinal Chemistry	2019	2.85	Vitthalbhai Patel and Rajratna P	45

Title of the Paper	Name of Author	Title of journal	Year of publication		Institutional affiliation as mentioned in the publication	Number of citations
?linked quinazoline? 4(3H)?one? sulphonamide molecules distorting malarial reductase activity in the folate pathway	Ritu B. Dixit, Chaitanya J. Chudasama, Bhavesh D. Patel,	2019 (27) 3574-3586			T Patel Science College	
Dendrimers For Drug Solubility Enhancement – A Review	Dr. Pravin Kumar M. Patel Mr. Mohammad Abrar H. Malek	International Journal Of Pharmaceutical Sciences And Research(IJPSR)	2019	3.2	Vitthalbhai Patel and Rajratna P T Patel Science College	101
Role Of Dendrimers In Drug Solubilization – A Review	Dr. Pravin Kumar M. Patel Ravindra M. Movaliya	Drug Delivery Letters 9(4): 265 – 276(Bentha m Science)	2019	4.67	Vitthalbhai Patel and Rajratna P T Patel Science College	87
Green synthesis, biological evaluation , molecular docking studies and 3DQSAR	Tarosh S. Patela, Jaimin D. Bhatt, Ritu B. Dixit, Chaitanya J. Chudasama, Bhavesh D. Patel, Bharat C. Dixit	Bioorganic Medicinal Chemistry 2019 (27) 3574-3586	2019	2.85	Vitthalbhai Patel and Rajratna P T Patel Science College	23

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Nil	Nil	Nil	Nill	Nill	Nill	Nil

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	225	Nill	Nill	Nill

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 participated in such activities	Number of students participated in such activities
00	0	Nill	Nill

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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	Number of students Benefited
nil	nil	nil	Nill

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 participated in such activites	Number of students participated in such activites
NSScheme	ROTARY Club	Blood Donation	3	167

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
00	0	0	0

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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	Duration To	Participant
0	0	0	Nill	Nill	0

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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/Activities	Number of students/teachers participated under MoUs
00	Nill	0	Nill

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
581942	581942

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Video Centre	Existing
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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 patially)	Version	Year of automation
SOUL	Fully	2	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	28500	2256622	327	182388	28827	2439010
Reference Books	21871	1504415	65	59465	21936	1563880
Library Automation	10	23700	10	23700	20	47400
Weeding (hard & soft)	24733	1480892	Nill	Nill	24733	1480892
Others(specify)	1473	550780	180	28837	1653	579617
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4.2.3 – 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	Nill

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	260	173	50	10	6	5	21	100	2
Added	0	0	2	1	0	1	21	100	2
Total	260	173	52	11	6	6	42	200	4

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

100 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	Nill

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 incurredon maintenance of physical facilites
2237844.6	2237844.6	581942	581942

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)

The college ensures optimal allocation and utilization of the available financial recourses for maintenance and upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received the college as per the requirements in the interest of students. Laboratory: Record of maintenance account is maintained by lab technicians, Lab Assistant and supervised by HODs of the concerned departments. Maintenance of laboratories are as follows:- The calibration, repairing and maintenance of sophisticated lab equipment's are done by the technicians of AMC. Library:- 1. The requirement and list of books is taken from the concerned departments and HOD's are involved in the process. The finalized list of required books is duly approved and signed by the Principal. 2. Suggestion box is installed to take students' feedback. Their continuous feedback helps a lot in introducing new ideas regarding library enrichment. 3. To ensure return of books, 'no dues' from the library is mandatory for students before appearing in exam. 4. Other issues such as weeding out of old titles, schedule of issue/ return of books etc. are chalked out / resolved by the library committee. 5. software with KIOSK using RFID is used in Library. Sports: - Regarding the maintenance of sports equipment the college sports Physical Instructor deputed. GYM is also looked after by Physical Instructor. Computers: - 1. Centralized computer laboratory established to enrich the students. 2. Each Department

having appropriate computer for their requirements. 3. Internet and WIFI Enabled campus. 4. Open access journals facilities are available. Classrooms: - 1. The college has various committees for maintenance and upkeep of infrastructure. At the departmental level, HODs submit their requirements to the Principal regarding classroom furniture and other. 2. Administrative officers will take in charge for student's academic requirements. Additionally:- 1. There is a lab assistant in every department, who maintains the stock register by physically verifying the items round the year. 2. Department wise annual stock verification is done by concerned Head of the Department. 3. Regular maintenance of Computer Laboratory equipment's are done by Laboratory Assistant along with Laboratory attendant and they are headed by the faculty in charge. 4. Regular cleaning of water tanks, proper garbage disposal, pest control, landscaping and maintenance of lawns is done by Institute concern Employees. 5. College campus maintenance is monitored through regular inspection. 6. Upkeep all facilities and cleanliness of environment in men's and women's hostel is maintained through Hostel monitoring committee. 7. Outsourcing is done for maintenance and repairing of IT infrastructure such as computers, internet facilities including Wi-Fi and broadband. 8. Updating of software's is done by Trust. 9. Outsourcing is done for the maintenance of wooden, furniture, electrification, and plumbing. 10. Regular maintenance of the water cooler and water purifier is done regularly. The maintenance of the reading room and stock verification of library books is done regularly by library staff.

http://www.vpscience.org/RAR_DOCS/442Policies.aspx

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	0	0	0
Financial Support from Other Sources			
a) National	DBT Scheme	527	0
b)International	0	Nill	0
No file uploaded.			

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 implemetation	Number of students enrolled	Agencies involved
As per Excel sheet	Nill	5306	self
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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 for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed

| 2020 | IAS study Centre and Career Counselling | 110 | 25 | 1 | 5 |

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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	Number of grievances redressed	Avg. number of days for grievance redressal
5	5	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Aalidhra Pharmachem Private Limited	10	1	00	Nill	Nill

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	11	Vitthalbhai Patel Rajratna P T Patel Science College	Zoology	PG Department	MSc
Nill	20	Vitthalbhai Patel Rajratna P T Patel Science College	Botany	PG Department	MSc
Nill	99	Vitthalbhai Patel Rajratna P T Patel Science College	Chemistry	PG Department	MSc
Nill	10	Vitthalbhai Patel	Computer Science	PG Department	MSc

		Rajratna P T Patel Science College			
Nill	6	Vitthalbhai Patel Rajratna P T Patel Science College	BCA	PG Department	MSc
Nill	8	Vitthalbhai Patel Rajratna P T Patel Science College	Electronics	PG Department	MSc
Nill	48	Vitthalbhai Patel Rajratna P T Patel Science College	Industrial chemistry	PG Department	MSc
Nill	33	Vitthalbhai Patel Rajratna P T Patel Science College	Industrial chemistry[voc]	PG Department	MSc
Nill	16	Vitthalbhai Patel Rajratna P T Patel Science College	Instrumentation [Voc]	PG Department	MSc
Nill	73	Vitthalbhai Patel Rajratna P T Patel Science College	Mathematics	PG Department	MSc
		[View File]()			

5.2.3 – Students 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	Number of students selected/ qualifying
Nill	Nill
No file uploaded.	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year		
Activity	Level	Number of Participants
nil	nil	Nill
No file uploaded.		

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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
Nill	Nil	Nill	Nill	Nill	Nill	NilNil
No file uploaded.						

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

Nil

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Have Registered Alumni Association

5.4.2 – No. of enrolled Alumni:

422

5.4.3 – Alumni contribution during the year (in Rupees) :

240000

5.4.4 – Meetings/activities organized by Alumni Association :

nil

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)

1, Knowledge Repository: The MHRD has been very proactive in trying to develop E-Content in all areas of higher education through NME-ICT because e learning facilitates access of best teaching- learning resources to students studying in far flung areas who can only dream of studying under best faculties. Our practice therefore complements this mission. It is rare to find Grant in- aid colleges to have such a practice. This is even more in and around our college. We can say that it our idea to start this practice to be in tune with the changing times. Theteacher uploads the PPTs, Videos and notes related to the topic he/she is teaching. The students are informed about the same. Over the past few years we have able to create a repository with more than 300 PPTs, videos, Video links of NME-ICT, and documents. All these are uploaded on the college website. 2. StudentsCounselling: 1) The new students/ first year students are most vulnerable. So we start focusing on them first. For every 30 students, we have a teacher counselor. The list of counselors is ready on the first day of the collegewhenthestudentsandtheirparentscometocollegefortheorient

ationprogrammeandthecollege ensures that the first Counseling meet is held on that day so that the parents also meet their wards' counselors. 2) Students are counseled about examination system, college rules, scholarship schemes, extracurricular activities, importance of Parent-Teachers Meet, attendance. 3) All students are made to fill a form detailing their essential information. 4)The teachers meets the students every Saturday at a time allotted in the Timetable. The teacher is able to keep a tab over the students and in a friendly way reach out to them. If a student has not been showing up, then the counselors contact the students through others or phone the parents/ guardians and try tofind out the reason. 5) Over the years, we teachers observed that now more and more students are becoming islands in themselves. By personally intervening, it is possible to allow them to open up slowly get over the difficulties or find a way around. 6) Inthesecondyearofthecollege,thestudentsar eallottedthesubjectsandhencetheynowareidentified themselves with those departments. Here, the respective departments take over. From then the counselors change .Now, each department is the counselor. 7) By the third year the departmental faculties the groups become smaller and faculties now observe the students more closely and mentor, guide, chide the students as and when the situation demands. The students, who felt so new and nervous in the first year, opens up and become close to their teachers in the second and third years. The teachers are able to identify the potential of each student and so are able to guide them about their career too.The affinity becomes so strong that even after the graduation they maintain a good cotact with the teachers.

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

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Research and Development	The management and the principal are very keen in developing research culture among the faculty and student. Research pool in the College is given a strong thrust since the last reaccreditation cycle.
Examination and Evaluation	The College has effective mechanisms in place to ensure transparency in examination and evaluation process. The Evaluation processes consist of Continuous Assessment and Semester Examinations. The management takes care of smooth conduct of examinations and appropriate evaluation of students' performance. All the basic facilities and amenities are availed by the management. It effectively works as bridge between the university and examination committee of college.
Teaching and Learning	Faculties are encouraged to update their knowledge by participating and sharing their views in workshops, conferences, seminars, refresher, orientation and shortterm courses. The college provides study leaves and monitory assistance, as and when

	necessary. Promoting innovative teaching methodologies, Constant review of testing and evaluation patterns encourages creativity and analytical thinking. Faculty members are motivated to design contemporary, skill based courses. The financial assistance is given by the management for adoption of innovative practice in teaching learning and evaluation processes.
Curriculum Development	The college is affiliated with the University and therefore the general courses designed for affiliated Institution are common in nature. In integrating institution goals and objectives with the university curriculum, the academic programs are designed in the form of calendar and accordingly it is going to be executed.
Library, ICT and Physical Infrastructure / Instrumentation	our well maintained college library is equipped with soul 2 softwere and RFID system. besides ten computers are installed with internet connectivity in the reading room.
Industry Interaction / Collaboration	our college has signed MoUs with Industries for students training
Admission of Students	The college is well known in this region, so students take pride in taking admission in our college. besides the university has made online admission system compulsory.

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

E-governace area	Details
Student Admission and Support	Online admission process initiated and implemented by the University students feedback is taken online.
Administration	Partial E-governance system is implemented
Finance and Accounts	Financial data are managed by Telly software

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

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
Nill	Nil	Nil	Nil	Nill
No file uploaded.				

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	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Quality Research – A key to Academic Development	Nil	13/08/2019	13/08/2019	67	Nill

View File

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	From Date	To date	Duration
As per Excel Sheet	13	Nill	Nill	0

View File

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	19	2	11

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group Insurance, Residential Quarter,health center	Group Insurance,Residential Quarter,health center	Scholarship, hostels,mess, health center

6.4 – Financial Management and Resource Mobilization

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

Yes, Internal Audit by Charutar Vidya Mandal External Audit by Charter Accountants and Accountant General of Audit.

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/ Grnats received in Rs.	Purpose
Deficit and Development Funds	106460020	salary and Buildings

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6.4.3 – Total corpus fund generated

110407338.62

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AAA KCG	Yes	CVM
Administrative	Yes	AA KCG	Yes	CVM

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

N/A

6.5.3 – Development programmes for support staff (at least three)

N/A

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

Add on courses, Smart Classes, additional girls room RFID in Library CCTV in campus and class rooms customized audio communication system Wi-Fi campus with increased band width MoUs with Academic Institutions and Industries registered Alumni Association Online Feedback system FDP:What every teacher should know for bringing out the best from their students

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Re Accreditation	19/12/2019	19/12/2019	20/12/2019	2056
2020	SWOC analysis of the Institution	22/02/2020	22/02/2020	22/02/2020	67

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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	Period To	Number of Participants	
			Female	Male
nil0	Nill	Nill	Nill	Nill

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

Percentage of power requirement of the University met by the renewable energy sources
solar panels are installed for garden lights LED tube lights are replaced to Chalked tube lights, Wormicompost establishment, using garden falls and green

waste.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	Nill
Rest Rooms	Yes	1000

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	Nill	Nill	Nill	Nill	Nill	Nill	Nill

No file uploaded.

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Conduct	10/06/2019	http://vpscience.org/images/cchb-min.pdf

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Science and Spirituality	11/06/2019	24/04/2020	50

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

Plastic Free Campus: Plastic garbage takes decades to degrade, and there is increasing concern about the toxins they release into the environment. But in our modern lives, plastic has become essentially. Students are discouraged to use non –reusable plastic bags and to keeping them out of the campus. Our NSS volunteers always counsel other students to make environment plastic free. Paper Less Office and teaching methods: As earlier mentioned our campus is fully Wi-Fi campus and all the students are connected through it. Our college has initiated e-Governance administration to reduce use of papers. The need for paper is reduced by using online communications and LAN systems, letters and notices are sent through email, bulk SMS, E- notice board and in Whats App group. Reference books can be accessed through N-List, power point presentation and essential notes can be see or download from "Knowledge repository" Green Landscaping with trees and plants: Our college has a largest lush green campus in this area. Our entire campus area measures 16300 sq mt.[4.03acre], out of which 4480.14 sq mts[1.10 acre]is constructed area and rest of 2.93 area is covered with more than 180 different species of plants[including botanical garden]and more than 55 big trees are providing oxygen, shade, and cooling to the campus. These trees are also home to many birds Free Students' Transport Initiative By Trust: Our Trust has introduced free transport for students studying at CVM's Managed institutes. Wormicompost establishment, using garden falls and green waste.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Knowledge Repository: The MHRD has been very proactive in trying to develop E-Content in all areas of higher education through NME-ICT because e learning facilitates access of best teaching- learning resources to students studying in far flung areas who can only dream of studying under best faculties. Our practice therefore complements this mission. It is rare to find Grant in- aid colleges to have such a practice. This is even more in and around our college. We can say that it our idea to start this practice to be in tune with the changing times. The teacher uploads the PPTs, Videos and notes related to the topic he/she is teaching. The students are informed about the same. Over the past few years we have able to create a repository with more than 300 PPTs, videos, Video links of NME-ICT, and documents. All these are uploaded on the college website. 2. Students' Counseling: 1) The new students/ first year students are most vulnerable. So we start focusing on them first. For every 30 students, we have a teacher counselor. The list of counselors is ready on the first day of the college when the students and their parents come to college for the orientation programme and the college ensures that the first Counseling meet is held on that day so that the parents also meet their wards' counselors. 2) Students are counseled about examination system, college rules, scholarship schemes, extra- curricular activities, importance of Parent-Teachers Meet, attendance. 3) All students are made to fill a form detailing their essential information. 4) The teachers meets the students every Saturday at a time allotted in the Time-table. The teacher is able to keep a tab over the students and in a friendly way reach out to them. If a student has not been showing up, then the counselors contact the students through others or phone the parents/ guardians and try to find out the reason. 5) Over the years, we teachers observed that now more and more students are becoming islands in themselves. By personally intervening, it is possible to allow them to open up slowly get over the difficulties or find a way around. 6) In the second year of the college, the students are allotted the subjects and hence they now are identified themselves with those departments. Here, the respective departments take over. From then the counselors change .Now, each department is the counselor. 7) By the third year the departmental faculties the groups become smaller and faculties now observe the students more closely and mentor, guide, chide the students as and when the situation demands. The students, who felt so new and nervous in the first year, opens up and become close to their teachers in the second and third years. The teachers are able to identify the potential of each student and so are able to guide them about their career too.The affinity becomes so strong that even after the graduation they maintain a good cotact with the teachers.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

http://www.vpscience.org/RAR_DOCS/721Bestpractice.aspx

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Students Empowerment strategies (StEpS). This includes – 1.Creation of Effective Learning Environment: As mentioned earlier that the effective implementation of innovation requires creation of learning environment. We at our end emphasize on discipline at both teachers and students end. For this, we have developed various policies namely- Attendance ,Anti ragging ,Code of conduct Women empowerment ,Tours and summer training policy etc. These policies are implemented through various committees, Creating clear guidelines for

various purposes help and facilitate day to day working. The policies are discussed and distributed on the very first day of the college during orientation program. 2.Bonding We have seen that the bonding among three pillars of higher education i.e. Student, Faculty, and Parent are weakening. In order to strengthen the bond (which is again essential to have effective implementation of innovation), we have set up very effective Counseling and Parent cell. The function of this cell is to appoint counselors at all the levels. As a policy, we appoint teacher counselor for every 25-30 students. The name of counselor is declared on the very first day and immediately after orientation of newly admitted students, the student and their parents are to meet counselor for exchanging contact number for future communication. The role of counselor is to counsel the student at a regular intervals. Apart from this we have an effective Parent interaction through written communication, oral communication, and through parent teacher meetings. 3.ICT (Information and Communication Technology) in education – With the help of UGC (CPE grant) we have equipped ourselves with ICT facility. Majority of our lecture theaters are now fitted with multimedia projectors and few with smart boards. After an initial phase, now majority of our faculty are using them. The new method of delivering is not only effective but fast in transferring knowledge. In time we are planning to have such facility in our labs where practical demonstration will be made easy, effective and time saving. 4.Techno Savvy Environment Internet, these days is a must for both teaching and learning. We, have developed an internet lab with 30 terminals apart from 10 terminals in the library reading room. The college campus is now completely Wi- Fi with a bandwidth 200 mbps. The college has about 240 computers with latest configuration and licensed software. 5.Virtual Teaching SANDHAN is the initiative of Gujarat higher education for enabling all the students of higher education in Gujarat to have access to lectures delivered by eminent academicians from across the state, nation and from abroad all at once by leveraging technology optimally. The initiative has broad objectives like- 1. To facilitate virtual teaching and discussion of various subjects by well known experts of that particular field of knowledge. 2. To provide a platform for communicating with all colleges, students and teachers simultaneously to disseminate ideas, information training relevant to higher education. The College has developed a facility for the students and faculties to take advantage of this initiative. We have created knowledge repository where lectures delivered by

Provide the weblink of the institution
http://www.vpscience.org/RAR_DOCS/731.aspx

8.Future Plans of Actions for Next Academic Year

1. Aapeal with NAAC Bangaluru regarding Re accreditation received A grade 2. Demonstration Workshop for our Students 3. AISHE,NIRF, GSIRF applications 4. Preparing AQAR 5. Create Lerner centric environment 6. Strengthen knowledge repository 7. Sign MoUs 8. Motivate faculty members to attend more Seminar /Conferences 9. To Publish more Research Papers 10. Organize state level science festivals 11. Get a centre for Entrepreneurship development centre 12. Motivate faculty members to apply for Projects and science academy awards 13. Encourage more students to join NSS, NCC and Sports activites. 14. Planning for Autonomous status