



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	PRAMUKH SWAMI SCIENCE AND H. D. PATEL ARTS COLLEGE
Name of the head of the Institution	Ajay S.Gor
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	2764-262634
Mobile no.	9426766703
Registered Email	ajaysgor@gmail.com
Alternate Email	minalmihir@gmail.com
Address	Sarva Vidyalaya Campus, Behind Railway Station,
City/Town	Kadi
State/UT	Gujarat
Pincode	382715

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Semi-urban
Financial Status	Self financed and grant-in-aid
Name of the IQAC co-ordinator/Director	Dr.Minal Trivedi
Phone no/Alternate Phone no.	02764262634
Mobile no.	9737637111
Registered Email	iqacpsshda@gmail.com
Alternate Email	minalmihir@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://psshda.ac.in/igac/
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://psshda.ac.in/wp-content/uploads/2021/02/Academic-Calander-2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	75.1	2007	10-Feb-2007	09-Feb-2012
2	A	3.20	2014	21-Feb-2014	20-Feb-2019
3	A	3.25	2019	15-Nov-2019	14-Nov-2024

6. Date of Establishment of IQAC	23-Jul-2007
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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		
NAAC Assessment and Accreditation for cycle 3 - Peer team visit	17-Oct-2019 30	100
Finishing School	01-May-2020 45	384
Industry Academia Interaction cell- MoU signing Ceremony	07-Mar-2020 1	450
Online Faculty development program with Spoken Tutorials, IIT Bombay	01-May-2020 5	213
Participation in NIRF 2020	05-Feb-2020 15	35
Participation in GSIRF (Gujarat State Institutional Ranking Framework) 2020	08-Feb-2020 15	35
Participation for MDRA-India Today Best College Survey 2020	23-Jan-2020 15	35
Organization of 12 days residential training program, sponsored by Gujarat State Biotechnology Mission , Department of Science and Technology, Government of Gujarat , to prepare students for national level PG Entrance Examination.	04-Feb-2020 12	171
Organization of science and technology exhibition	09-Jan-2020 1	130
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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
Institution - PSSHDA, Kadi	RUSA 2.0	KCG Govt. of Gujarat	2019 1095	10000000
Institution - PSSHDA, Kadi	CPE	UGC New Delhi	2019 30	384000
Institution - PSSHDA, Kadi	SSIP	KCG Govt. of Gujarat	2018 365	1000000
Institution - PSSHDA, Kadi	DDU-Kaushal Kendra	UGC , New Delhi	2019 365	9260000

Institution - PSSHDA, Kadi	Finishing School	KCG Govt. of Gujarat	2019 365	725000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

3

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?

Yes

If yes, mention the amount

120000

Year

2019

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

The IQAC has successfully completed 3rd Cycle NAAC accreditation process during academic year 201920 and received A grade with CGPA 3.25

The IQAC has prepared and submitted DPR for the grant of RUSA 2.0 Component 9 and received 2.0 crores grants.

Organization of National Level Webinar' SarvaGyan 2020' on 27-29 April 2020

Organization of Online Faculty Development Program on Linux - A Five Day National Level Faculty Development Program In association with Spoken Tutorial, IIT-Bombay

Recognition of Biotechnology Department of the college as Best Department of India by Microbiologist Society, India . Ranking of the college among top 100 colleges by INDIA-TODAY MDRA Ranking 2020 ; College ranked among TOP -10 Colleges of the State in "Gujarat State Institutional Ranking Framework()GSIRF 2020)

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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
Assessment for re Accreditation for third cycle by NAAC	Institute has successfully completed NAAC assessment for Reaccreditation for third cycle. Institute has received Grade A in its third cycle of NAAC Reaccreditation.
Strengthen industry Academia Linkage	Institute has make collaboration and signed MoUs with more industries to strengthen industrial linkage.
Upgradation of Infrastructure	Infrastructure upgradation from RUSA grant that include construction of new hostel for Boys and renovation of college building.
Enhance Skill based programs	Institute has started two more B.Voc programs - B.Voc In Hospitality and Tourism Management and B.Voc in Computer Proficiency in Hardware and Software
Participation in ranking surveys	Insitute has participated in INDIA TODAY MDRA BEST COLLEGE SURVERY, OUTLOOK ICARE BEST COLLEGE SURVEY and GUJARAT STATE INSTITUTIONAL RANKING FRAMEFORK (GSIRF) and ranked among top hundred colleges on India in India Today and Outlook Icare survey as well as awarded four star in GSIRF
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
College Governing Board	04-Nov-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	17-Oct-2019
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2019
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Date of Submission	21-Feb-2019
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17. Does the Institution have Management Information System ?	Yes
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<p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p>	<p>College Management System which contains module for online admission, student support, human resource management. The student support tool include attendance management system, online Exam, assignment and unit test submission etc. The LMS system is also available with all elearning resources for the students. Digital Repository of marksheets is a key facility provided to students in LMS. Online Library access is made available through e-library facility.</p>
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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

The College is affiliated to Hemchandracharya North Gujarat University (HNG University), Patan, Gujarat. The Choice Based Credit Semester system (CBCS) was adopted for PG programs in 2010-11 and in 2011-12 for the undergraduate programs in accordance with HNG university. The University frames the curriculum of all the subjects to be delivered in the affiliated institutions. Teachers of the institute play a crucial role in curriculum designing being member of Board of Studies. The College ensures effective curriculum delivery through a coordinated, well planned and documented process. The IQAC plays a key role in planning and execution of all academic activities. The IQAC prepares academic calendar well in advance before the onset of academic year and effectively implements the same. The academic calendar carries significant details of academic, co-curricular and extracurricular activities. All the faculty members are briefed the same during the first meeting of the commencement of every academic year. All the Departments also prepare their individual departmental academic calendars in synchrony with Institutes academic calendar. The general time-table for entire college is designed by the timetable committee. Each HoD prepares an individual departmental timetable for the respective department. The departmental meetings are conducted by HoDs to distribute and assign the syllabus as well as workload to the faculties. Each faculty including apex members prepares and maintains an academic diary. The academic diary includes details like timetable, workload, papers and actual teaching units, Annual/Semester teaching plan, daily teaching plan, as well as academic and administrative committee responsibilities. For reviewing the academic progress as per goals set the IQAC meets quarterly in every year. The IQAC also suggests improvement in the academic and administrative activities as per need. The Feedback from all stakeholders are also collected and analyzed on a regular basis, and if necessary remedial measures are taken by the college IQAC. For the effective curriculum delivery, faculties use a combined strategy of participative, problem solving and student-centric learning methods. Efficient and creative use PPTs, video lectures, models, charts, various educational softwares is a norm. The college organizes expert lectures of eminent academicians, scientist and industrialists for the improvising and updating knowledge. Due to COVID pandemic in the current year online teaching was need of time and various approaches like Microsoft teams, zoom app, google class rooms were used for curriculum completion The college is State Government approved centre for Capacity Building Cell .Through CBC special efforts are

devoted to train the students for cracking competitive examinations like Civil Services, State level exams like TAT/TET/SCOPE and also National Level PG Entrance . For the up gradation of subject-related knowledge and to keep pace with global trends , college organizes various seminars, conferences and Workshops, Science fair, Lit-fest. The budding entrepreneurs and innovators who may be job providers in future are promoted through participation of students in SSIP (Student Start-up and innovation Policy Cell- by Government of Gujarat).

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Certificate Course in Hospitality and Tourism Management	Nil	01/06/2019	90	Yes	Yes
Advanced Certificate Course in Hospitality and Tourism Management	Nil	01/06/2019	180	Yes	Yes
Nil	Diploma in Hospitality and Tourism Management	01/06/2019	360	Yes	Yes
Certificate Course in Computer Proficiency in Hardware and Software	Nil	01/06/2019	90	Yes	Yes
Advanced Certificate Course in Computer Proficiency in Hardware and Software	Nil	01/06/2019	180	Yes	Yes
Nil	Diploma in Computer Proficiency in Hardware and Software	01/06/2019	360	Yes	Yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BVoc	Computer Proficiency in Hardware and Software	15/06/2019

BVoc	Hospitality and Tourism Management	20/06/2019
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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	Mathematics/Chemistry/Physics/Biotechnology	15/06/2019
BA	Gujarati/Sanskrit/English/History	15/06/2020
BVoc	Textile and Ginning Technology/ Pharmaceutical Chemistry/ Hospitality and Tourism Management/ Computer Proficiency in Hardware and Software	15/06/2019
MSc	Mathematics/Chemistry	15/06/2019
MA	Gujarati/History	15/06/2019

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

	Certificate	Diploma Course
Number of Students	268	156

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
34	01/07/2019	1368
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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
BVoc	Textile and Ginning Technology	44
BVoc	Pharmaceutical Chemistry	20
BVoc	Computer Proficiency in Hardware and Software	16
BVoc	Hospitality and Tourism Management	11
BSc	Chemistry	74
BSc	Biotechnology	53
BSc	Mathematics	20
BSc	Physics	20
BA	History	147

BA	Sanskrit	87
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
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
Analysis of Feedback is carried out through institute IMS system. The analysis report is presented in college IQAC meeting and the action taken report is prepared in IQAC with suggestions from all members of IQAC. The feedback is shared to concern stakeholders for necessary improvement/ updates..

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	Chemistry	95	279	95
BSc	Physics	31	47	31
BSc	Mathematics	34	50	34
BSc	Biotechnology	60	36	36
BA	Gujarati	58	58	58
BA	Sanskrit	42	45	42
BA	History	60	61	60
BA	English	90	90	89
BVoc	Textile And Ginning Technology	30	24	24
BVoc	Computer Proficiency in Hardware & Software	30	26	26

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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	Number of fulltime teachers available in the institution teaching only PG	Number of teachers teaching both UG and PG courses

			courses	courses	
2019	532	116	10	Nil	34

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
37	37	500	22	4	Nil
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 institution has well structured and strong mentoring system. Mentors are assigned to every student of the institute. The fresh students joining the college are assigned to mentor and the same mentor continues for the students throughout their graduation years. Specific mentor cards are designed by the institute to record and monitor the academic progression of the student, involvement of students for cocurricular and extracurricular activities, their hobbies, interest, extracurricular and co curricular achievements etc, their parent details and major illness, if any are also recorded in mentor card. All the details in mentor card are regularly updated. The mentor regularly conducts meetings with the mentees to monitor and keep the track of mentees progress in all sectors. Special counseling and mentoring is also provided to students who have issues. The students have to report about their absence and leave to mentors. The mentoring session also extends to include parents/ guardians in sensitive cases to resolve the issues.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1528	36	Nil

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
37	36	1	Nil	22

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
2019	Dr. Ajay Gor	Principal	Association of Indian College Principals
2019	Dr. Kamlesh Shah	Assistant Professor	International dissertation Guide from MAIDUGURI, NIGERIA
2020	Dr. Ram Suthar	Assistant Professor	Insc Young Achiever Award 2020
2019	Dr.Minal Trivedi	IQAC / CIQA coordinator	Coordinator of North Gujarat

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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
MSc	Mathematics	4	31/08/2020	10/10/2020
MSc	Chemistry	4	31/08/2020	01/10/2020
BA	English	6	19/09/2020	09/10/2020
BA	History	6	19/09/2020	09/10/2020
BA	Sanskrit	6	19/09/2020	09/10/2020
BA	Gujarati	6	19/09/2020	09/10/2020
BSc	Biotechnology	6	15/09/2020	07/11/2020
BSc	Mathematics	6	15/09/2020	07/11/2020
BSc	Physics	6	15/09/2020	07/11/2020
BSc	Chemistry	6	15/09/2020	07/11/2020

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

The academic assessment of student is done by both continuous evaluation and end semester evaluation. The skill cards for vocational courses are institutes addition to improve employability of the students. For continuous evaluation the college conducts weekly tests, assignments, Quiz, Seminars, Debates, Projects, Field work and Industrial training. Skill cards: For skill based vocational programs, the college has designed skill cards in consultation with industry experts, to assess the efficiency and accuracy of the students on various practical parameters. This evaluation is conducted by various Industry Experts for skill level 5, 6 and 7 as prescribed by National Skill Development Corporation Weekly Test: To cultivate exam aptitude and to get rid of exam phobia, and to impose regularity weekly test are conducted on Monday of every week. Assignments: To develop writing skill and to strengthen the core subjectivity, assignments are given by all faculties. Quiz: Written and Oral Quizzes as well online MCQ tests are organized through college ERP by faculties at department and college level. Debates: To test and develop logical understanding of the subject and enhance orator skills, debates are organized at department level. Seminars: To develop communication and presentation skills and to test students' subjective preparations, seminars are organized on various topics at department level. Projects, Internship Field work: Fieldwork and project are promoted to bridge the gap between lab application and field scale application. Industrial Trainings for Vocational Programs: To enrich industrial practical knowledge, instrumentation skills and keep pace with latest innovations industrial visits and training are specially organized for Vocational Programs. End Term Semester Exams Re-test: At the end of every Semester, college organizes Internal Test based on University Exam Scheme. For absent students, due to some special Socio-cultural or Health issues, Re- test is also organized.

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

The College Academic Calendar is prepared in synchrony with University academic calendar. The college academic calendar is prepared in advance before the commencement of the semester by the IQAC coordinator, along with active cooperation and valuable inputs from the time-table committee, the examination Committee, and all the conveners of the clubs and Saptadhara coordinators. Meticulously adhering to this college academic calendar, the examination committee schedules the mid semester exams and retest. The HoD prepares the schedule for weekly tests, unit tests seminars, allotment and collection of assignments, projects, field work, internship and industrial trainings which are part of continuous internal evaluation. The Vocational Dept conducts the skill card evaluation by industry experts before the commencement of end term-semester examination. The examination committee of the college decides a basic structure for the internal assessment of theory and practical with guidelines for dealing with absenteeism. The dates for the tests and end term semester exam are notified through the college academic calendar and are also displayed on the college notice boards as well as announced by faculty in the respective classes at least a week in advance. The dates and deadlines for assignments submission and projects are also announced by respective faculty member at least a week in advance. Besides, routine tests and assignments, surprise tests are also conducted by the concerned faculty to gauge the comprehension level of the students. After assessment, the assignments are shared with students their flaws are identified and rectified and marking pattern is also discussed. The internal marks are calculated according to the structure specified by examination committee and displayed to students before commencement of university exams. The students are asked to sign in the internal assessment mark lists/ registers of teachers once they are satisfied with the marks obtained.

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)

<https://psshda.ac.in/po-co-and-pso/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
B.Voc	BVoc	Textile And Ginning Technology	7	7	100
B.Voc	BVoc	Pharmaceutical Chemistry	11	11	100
BA	BA	English	60	57	95
BA	BA	History	43	35	81.3
BA	BA	Sanskrit	33	21	63.6
BA	BA	Gujarati	39	31	79.4
B.Sc.	BSc	Biotechnology	53	51	96.2

B.Sc.	BSc	Mathematics	21	19	90.4
B.Sc.	BSc	Physics	21	19	90.4
B.Sc.	BSc	Chemistry	73	70	95.8
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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)

<https://psshda.ac.in/student-satisfaction-survey/>

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	Gujarat State Biotechnology Mission	53.5	13.68
Major Projects	1095	Gujarat State Biotechnology Mission, DST , Government of Gujarat	66.01	10.84
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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
Skill India Workshop	Biotechnology	10/01/2020
Setu-2020- Industry Academia Meet	Vocational	07/03/2020
Seminar on Basic understanding of the IPR	Biotechnology	21/09/2019
IPR Importance in Research and Development	Biotechnology	04/12/2019

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
Innovative Professor Of The Year	Dr.Ram Suthar	International Education Society, Goa	01/01/2020	International
Insc Young Achiever Award 2020	Dr.Ram Suthar	International Accurate Certification, Accreditation By Uasl	22/12/2019	International
Swatchchata	PSSHDA, Kadi	Kadi Nagar	17/12/2019	State

Tanking 2020		Palika		Institute
Human Robot	Sodha Laxman	S V Innovation Foundation	18/10/2019	Student
National Award for Best Bioscience Department	Bioscience Department , PSSHDA-Kadi	Microbiologist Society, India	15/06/2020	National
Zero Waste mushroom cultivation	Saloni khakhar, Deepa Mali, Sanajana Chavda, Bindal Patel	GujCost	09/01/2020	Student
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Cotton Ginning Incubation Centre (CGIC), PSSHDA, KADI	Patel Jay Kanubhai	SSIP Cell- PSSHDA, Kadi	Modifications to Roller Gin Knives to Improve Machine Productivity and Cotton Realization	Product Modification	15/06/2019
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	3	1

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

Name of the Department	Number of PhD's Awarded
Sanskrit	1
Computer Proficiency in Hardware and Software	1

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	Ceramic Technology	6	0
International	Biotechnology	3	0
International	Mathematics	1	0.39
International	Computer Proficiency in Hardware and Software	2	0

International	Agriculture and Soil Science	1	0
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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
History	1
Biotechnology	6
Chemistry	1
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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
SCREENING FOR DIVERSE BIOPOLYMER DEGRADING MICROBES FROM VEGETABLE MARKET WASTE OF KADI: SCREENING OF BIOPOLYMER DEGRADING MICROBES.	Dr.Minal Trivedi, Dr. Harsha Soni	LIFE SCIENCES LEAFLETS	2020	0	PSSHDA,K ADI	Nil
Callus Induction and Establishment of Cell Suspension Culture of Cumin (Cuminum cyminum L.)	Dr. Suthar Ramchandra S	Journal of Plant Sciences	2019	0	PSSHDA,K ADI	Nil
Microbes as a Hurdle of Plant Tissue Culture and Precautions - A	Dr. Suthar Ramchandra S	international journal of pharmacy and biological Sciences	2019	0	PSSHDA,K ADI	Nil

Review Article						
Effect of Various Physicochemical Treatments on Seed Germination of Annona squamosa L.	Dr. Suthar Ramchandra S	Asian journal of applied sciences	2019	0	PSSHDA,K ADI	Nil
Proximate Analysis and Evolution of Energy Value from Leaves and Stem of Sword Fern: Nephrolepis exaltata	Dr. K. R. Shah	International Research Journal of Pure Applied Chemistry	2020	0	PSSHDA,K ADI	Nil
Isolation, screening and identification of Lipase producing fungi from cotton seed soapstock	Dr. K. R. Shah	Indian Journal of Science and Technology	2020	0	PSSHDA,K ADI	Nil
Bioethanol production from pulp of fruits	Dr. K. R. Shah	Bioscience Biotechnology Research communication	2019	1	PSSHDA,K ADI	1
Salvage value and three variable Weibull deteriorating rate for non-instantaneous deteriorating items	Dr. Ajay S. Gor	Asian-European Journal of Mathematics	2019	1	PSSHDA,K ADI	1

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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
SCREENING FOR DIVERSE BIOPOLYMER DEGRADING MICROBES FROM VEGETABLE MARKET WASTE OF KADI: SCREENING OF BIOPOLYMER DEGRADING MICROBES.	Dr.Minal Trivedi, Dr. Harsha P. Soni	LIFE SCIENCES LEAFLETS	2020	2	Nil	PSSHDA,K adi
Callus Induction and Establishment of Cell Suspension Culture of Cumin (Cuminum cyminum L.)	Dr. Suthar Ramchandra S	Journal of Plant Sciences	2020	5	Nil	PSSHDA,K adi
Microbes as a Hurdle of Plant Tissue Culture and Precautions - A Review Article	Dr. Suthar Ramchandra S	international journal of pharmacy and biological Sciences	2019	5	Nil	PSSHDA,K adi
Effect of Various Physicochemical Treatments on Seed Germination of Annona squamosa L.	Dr. Suthar Ramchandra S	Asian journal of applied sciences	2019	5	Nil	PSSHDA,K adi
Isolation,	Dr. K. R. Shah	Indian Journal of	2020	6	Nil	PSSHDA,K adi

screening and identification of Lipase producing fungi from cotton seed soapstock		Science and Technology				
Proximate Analysis and Evolution of Energy Value from Leaves and Stem of Sword Fern: <i>Nephrolepis exaltata</i>	Dr. K. R. Shah	International Research Journal of Pure Applied Chemistry	2020	6	Nil	PSSHDA, Kadi
Bioethanol production from pulp of fruits	Dr. K. R. Shah	Bioscience Biotechnology Research communication	2019	6	1	PSSHDA, Kadi
Salvage value and three variable Weibull deterioration rate for non-instantaneous deteriorating items	Dr. Ajay S. Gor	Asian-European Journal of Mathematics	2019	10	1	PSSHDA, Kadi

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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	5	8	1	3
Presented papers	3	3	Nil	Nil
Resource persons	1	1	1	2

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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
Shankh Distribution Programme	Pramukh SwamiScience and H.D. PatelArts College, Kadi and Somany Ceramic Limited	3	87
University level elocution competition Mahatma Gandhis 150th birth anniversary celebrations	Pramukh Swami Science and H.D. PatelArts College, Kadi and HNGU, Patan	3	112
Floating Library Activity	Gujarati Department Pramukh SwamiScience and H.D. Patel Arts College, Kadi	2	114
Free of cost Books Distribution	Pramukh SwamiScience and H.D. PatelArts College, Kadi	3	91
Swachhata Abhiyan with employee of Cera sanitary ware and Kadi Nagar Palika staff	Pramukh SwamiScience and H.D. PatelArts College, Kadi and Cera Sanitaryware limited	8	86
Voter Awareness Programme	Pramukh SwamiScience and H.D. PatelArts College, Kadi and Kadi Nagar Palaika and mamalatdar office	5	57
Mahatma Gandhi Jyanti Cleaning Camp	Pramukh SwamiScience and H.D. PatelArts College, Kadi	3	48
Preparation of Blood Doner Booklet	SVKM and Pramukh SwamiScience and H.D. Patel Arts College, Kadi	5	102
Pledge on Swatch Bharat	EBSB Club Pramukh SwamiScience and H.D. PatelArts College, Kadi	5	150
Independence Day Celebration GSRTC Depo Kadi	Pramukh SwamiScience and H.D. PatelArts	2	8

College, Kadi and
GSRTC DEPO Kadi

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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
NSS Activity	Recognition Certificate	Sedaradi Primary School	60
NSS Activity	Recognition Certificate	Sedaradi Gram Pnachayat	60
Swacchata Abhiyan	Recognition Certificate	Cera Sanitaryware	65
Various Activity Under UBA 2.0 In Kolad Village	Recognition Certificate	Kolad Samras Gram Panchayat	20
Various Activity Under UBA 2.0 In Sujatpura Village	Recognition Certificate	Sujatpura Gram Panchayat	20
Swacchata Ranking Organized By Kadi Nagarpalika	First Rank Certificate	Kadi Nagar Palika	55
Blood Donation Camp	Recognition Certificate	Redcross Society , Ahmedabad	10
Social Activities during Covid 19 pandemic and Lockdown	Recognition-Appreciation	Government of Gujarat	100
Students service as corona Worriers during Covid 19 pandemic and Lockdown	Recognition-Appreciation	Police Station of town	7

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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 activities	Number of students participated in such activities
EBSB	EBSB Club Pramukh SwamiScience and H.D. PatelArts College, Kadi	"Share information about Covid 19 infection and Prevention"	2	30
NCC	NCC, Pramukh SwamiScience and H.D. PatelArts College, Kadi	Swachh Bharat abhiyan	1	58

NCC	NCC, Pramukh Swami Science and H.D. Patel Arts College, Kadi	Republic day Celebration	1	71
NCC	SVKM and NCC, Pramukh Swami Science and H.D. Patel Arts College, Kadi	Blood Donation	1	8
NCC	NCC, Pramukh Swami Science and H.D. Patel Arts College, Kadi	Tree Plantation	1	43
NSS	Pramukh Swami Science and H.D. Patel Arts College, Kadi	Awareness Camp of swineflue	3	35
NSS	Pramukh Swami Science and H.D. Patel Arts College, Kadi	Seminar on Digital Banking	5	75
NSS	Pramukh Swami Science and H.D. Patel Arts College, Kadi and Somany Ceramic Limited	Shankh Distributaion Programme	3	87
NSS	Department Of Gujarati, Pramukh Swami Science and H.D. Patel Arts College, Kadi	elocution competition Mahatma Gandhis 150th birth anniversary celebrations	3	20
NSS	Pramukh Swami Science and H.D. Patel Arts College, Kadi	lecture By Green Wall of India	3	120
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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
Chief Guest in national level seminar changing	Dr. N.J.Parikh	PSSHDA, Kadi	2

Religious Movements in Pre-medieval Indian history			
Two Days Hands on Training on Industrial Equipments	42 Students from Mehsana Urban Institute of Sciences, GANPAT University	PSSHDA, Kadi	1
Two Days Hands on Training on Industrial Equipment	41 Students from Mehsana Urban Institute of Sciences, GANPAT University	PSSHDA, Kadi	1
Three Days FDP On Research Methodology	30 Faculties	PSSHDA, Kadi	3
Research Collaboration	Dr.Minal Trivedi	Gujarat State Biotechnology Mission, Government of Gujarat	365
Research Collaboration	Dr.Kamlesh Shah	Gujarat State Biotechnology Mission, Government of Gujarat	365
Research Collaboration	Dr.Harsha Soni	Gujarat State Biotechnology Mission, Government of Gujarat	365
Faculty Exchange	Dr.Kalavati Prajapati	SMPPISR, Kadi Sarva Vishwavidyalaya	2
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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
Industry Linkage	Industrial Training	G B Cotton Industries	15/11/2019	24/11/2019	15
Industry Linkage	Industrial Visit for instrumentation learning - HPLC and GC	Kayvee Aeropharm	14/09/2019	14/09/2019	26
Industry Linkage	Industrial Training	Abaris Healthcare	10/01/2020	11/02/2020	1
Industry Linkage	Hands on Training on	Ganpat University	10/01/2020	11/01/2020	15

	Analytical Techniques				
Industry Linkage	Field Training	Gujarat Gaushalal, Kadi	17/12/2019	13/03/2020	34
Industry Linkage	Industrial Training	Institute of Engineering Project based learning	16/12/2019	13/01/2020	16
Industry Linkage	Industrial Training	Vivekanand Cotspin LLP	13/11/2019	22/11/2019	22
Industry Linkage	Insudtry-Academia Visit	Kana Composite Vaghai Botanical Garden Saputara Food Industries	27/12/2019	29/12/2019	45
Industry Linkage	Industrial Training	Ajita Sheel Chem. Pvt Ltd.	01/01/2020	13/01/2020	8
Industry Linkage	Industrial Visit for knowhow of tiles production at Industry	Alaska Advotech Cera Tiles Limited	04/12/2019	04/12/2019	28
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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
Alaska ceratiles Pvt Ltd	07/03/2020	Curriculum Design Industrial Training Visits Research and Development Skill Development Programs Guest Lectures Faculty Development Programs Placement of Trained Students	28
Iswerkrupa Ginning Industry	07/03/2020	Industrial Training Visits Research and Development Skill Development Programs Guest Lectures Faculty	49

		Development Programs Placement of Trained Students	
Realcade Lifesciences Pvt. Ltd.	07/03/2020	Curriculum Design Industrial Training Visits Research and Development Skill Development Programs Guest Lectures Faculty Development Programs Placement of Trained Students	5
Sonya Ceramics	07/03/2020	Curriculum Design Industrial Training Visits Research and Development Skill Development Programs Guest Lectures Faculty Development Programs Placement of Trained Students	3
Kadi Ginners Association	07/03/2020	Curriculum Design Industrial Training Visits Research and Development Skill Development Programs Guest Lectures Faculty Development Programs Placement of Trained Students	35
Hotel Gangotri Palace	07/03/2020	Industrial Training Visits Skill Development Programs Guest Lectures Placement of Trained Students	5
Nextgen Software Solution	07/03/2020	Industrial Training Visits Research and Development Guest Lectures Faculty Development Programs Placement of Trained Students	5
Agrovikas pvt ltd	07/03/2020	Industrial Training Visits Skill Development Programs Guest Lectures Faculty Development Programs Placement of Trained Students	10

Teksun Microsys Pvt. Ltd	07/03/2020	Industrial Training Visits Skill Development Programs Guest Lectures Faculty Development Programs Placement of Trained Students	5
Vaibhavlaxmi Spinning Pvt. Ltd.	07/03/2020	Curriculum Design Industrial Training Visits Research and Development Skill Development Programs Guest Lectures Faculty Development Programs Placement of Trained Students	10
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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
65	66.13

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Newly Added
Classrooms with LCD facilities	Existing
Laboratories	Existing
Seminar Halls	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Others	Newly Added

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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 partially)	Version	Year of automation
SOUL 2.0	Fully	2.0	2010

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	28225	Nill	459	22243	28684	22243

e-Books	3135000	Nil	Nil	Nil	3135000	Nil
Journals	80	Nil	33	62094	113	62094
CD & Video	650	Nil	25	Nil	675	Nil
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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	Nil
No file uploaded.			

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	193	2	100	12	1	9	94	100	0
Added	78	0	0	25	1	0	0	0	0
Total	271	2	100	37	2	9	94	100	0

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
Online Library Service	http://14.139.122.106/library/(S(0snzhd43njodgnumrlghnjzk))/Default.aspx

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
15	14.28	10	9.77

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)

<p>The institution has a very well coordinated protocol for efficient maintenance of college facilities. The Maintenance Committee, Building Committee, Purchase Committee, College Governing Board and IQAC play a active role by providing necessary support systems and charting out time based plan for maintenance and repair of infrastructure. PHYSICAL FACILITIES The</p>

Maintenance Committee invites maintenance requirements from all departments. The sufficient budget and support staff are allocated to maintain, preserve and improvise the existing infrastructure. The policy of Annual maintenance contracts (AMC) is employed for servicing and conservation of major equipments, ICT instruments and UPS. The Fire Extinguishers are also refilled every year regularly under AMC. The Management provides contractual plumber, electrician and carpenter for classroom maintenance. LABORATORY FACILITIES The Laboratory Equipments are periodically repaired as per the necessity and sophisticated equipments are maintained under AMC. The laboratory instruments are also refurbished and replaced as per need and available funds. The calibration of laboratory equipments is also done on regular basis. In science departments the stock of laboratory essentials is verified annually and is replenished regularly for smooth and continuous practical work. COMPUTER FACILITIES All the computers, printers and scanners of the college are covered under AMC. The timely service computers and their reuse greatly reduce e- waste generated by the college. The broadband and connectivity problems are resolved by the assigned technician. The college has a mechanism of adopting free software and anti- piracy protocol. Internet facilities are secured by a dedicated firewall. Quick Heal Total Security Antivirus licensed software is purchased to secure college computer data. LIBRARY FACILITIES Rare books, manuscripts and reports are preserved as well as maintained with special care. They are also are digitalized for permanent record. The IT infrastructure of library is regularly updated. The OPAC system for book search has been devised and is regularly improvised. SPORTS FACILITIES The maintenance of sports facilities is taken up by Department of Physical Education. The safety of players is utmost priority and protective guards are renew or replaced as per need and timeline. The sports fields and equipment both are regularly maintained. The equipments are also serviced regularly by the technicians for longevity as well as proper and desired functioning. The equipments in Gymnasium are also regularly serviced and new ones are purchased whenever required.

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	Scholarship from Management	146	279173
Financial Support from Other Sources			
a) National	Scholarship from Government	1080	13562410
b) International	Nil	Nil	Nil
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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
Finishing School (Online Training)	01/05/2020	384	Knowledge Consortium of Gujarat , Government of Gujarat

Finishing School	25/11/2019	176	Knowledge Consortium of Gujarat , Government of Gujarat
Personal Counselling (Mentor)	01/07/2019	1200	PSSHDA, Kadi
Guidance for competitive Examination (Bt-CBC)	04/02/2020	171	Gujarat State Biotechnology Mission, Gandhinagar, Govt. Of Gujarat
Language Lab (SCOPE)	16/12/2019	359	KCG Cambridge, KCG Campus, Ahmedabad, Gujarat Phone: 07926300593
Remedial Coaching	01/07/2019	291	PSSHDA, Kadi
Bridge Course	22/06/2019	169	Departments (Biot echnology,Textile and Ginning Technlogy, Pharmaceutical Chemistry, Agriculture and Soil Science, Ceramic Technology), PSSHDA, Kadi
Yoga and Meditation	21/06/2019	278	PSSHDA, Kadi

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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 passed in the comp. exam	Number of students placed
2019	Guidance for competitive Examination (BTC-BC) Seminar on Career in Management by Dr Bhavin Pandya (Dean Faculty of Management) SVIM, Kadi	171	752	Nil	58

Career
Guidance
Seminar by
Dr.
Ranjanben
Patel
(Faculty of
Education)
Career
Guidance
Seminar by
Dr Vijay
Chav

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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	2

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
2	9	3	AgroVikas Pvt. Ltd. Torrent Pharmaceuticals	69	56

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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	Department graduated from	Name of institution joined	Name of programme admitted to
2020	32	B.Sc.	Biotechnology	Ganpat university Shoolini University Kadi Sarva Vishwavidyalaya Kadi Sarva Vishwa vidyalaya Ontario Tech university Sardar Patel university	M.Sc.
2020	9	B.Sc.	Physics	IITE University Saurashtra	B.ED B.ED MSC PGDCA

				university Kadi Sarva V ishwavidyala ya Hemchandr acharya North Gujarat University	
2020	3	M.Sc.	Mathematics	Hemchandra charya North Gujarat University Kadi Sarva V ishwavidyala ya	B.Ed.
2020	19	B.Sc.	Mathematics	Kadi Sarva Vishwavidyal aya Saurashtra university H emchandracha rya North Gujarat University	M.Sc., B.Ed.
2020	54	B.Sc.	Chemistry	Gujarat university H emchandracha rya North Gujarat University H emchandracha rya North Gujarat University IITE University Kadi Sarva V ishwavidyala ya	M.Sc., B.Ed.
2020	1	M.Sc.	Chemistry	Gujarat Te chnological University	Nil
2020	29	B.A.	English	Gujarat university H emchandracha rya North Gujarat University Kadi Sarva V ishwavidyala ya	MA ,B.Ed
2020	21	B.A.	Gujarati	H.N.G University	MA ,B.Ed
2020	26	B.A.	History	H.N.G University	MA ,B.Ed

2020	7	B.A.	Sanskrit	H.N.G University	MA ,B.Ed
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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
NET	Nil
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
RAngoli	college	35
Elocution	college	31
Spot Photography	college	27
Quiz	college	25
Cartoon Making	college	23
Group Song	college	20
Light Vocal	college	17
Kho-Kho Boys (University Level Training Camp)	University	17
Poetry recitation	college	16
Extempore	college	16
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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
Nil	NIL	Nil	Nil	Nil	nil	nil
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The students of the college play a dynamic role in academic, administrative, and research progression of the institute. The college students are members as well representatives of various clubs and committees. The student representation in various academic and administrative bodies and their role is as mentioned: Departmental Students Clubs: There are 10 departmental clubs in Science Arts and Vocational courses. The students are the department representatives of these clubs and the manage curricular, co-curricular and extracurricular activities of these clubs throughout the year. Additionally the final year students are also in supporting positions in these clubs. The Departmental clubs are guided by staff advisors, HoDs and the Principal of the college. College IQAC (Internal Quality Assurance Cell) The student representatives are integral part of IQAC. They mandatorily attend all the IQAC

meetings. They give resourceful suggestions and take active part in the discussion about the future plan of institutional development from academic point of view. Students' Grievances Redressal Cell The student's grievances redressal cell has two students' representatives. The students share their suggestions, short comings and grievances through the suggestion box. During the meetings committee addresses the issues, discusses the matter and helps to resolve the students' problems. The student representatives play a prominent role in addressing the grievances related to discipline, academics and administrative hindrances while grievances related to infrastructure are addressed by management. Anti-Ragging committee The Anti-ragging committee also has two students' representatives as per UGC guidelines, these students, with help of students' representatives from the various departments, complete the task of online registration on UGC Anti- ragging cell portal 'Aman'. They also collect the students-parents affidavits for Mentors' record. The students representatives play an active part in campaigning for the fresher and juniors to feel at ease in the new environment and be at ease to contact the college authorities for their college, hostel or socio-economic intricacies. ICC (Internal Complaints Committee) The Internal complaints committee has two female students' representatives along with the student representatives other department. They specifically work to spread and create awareness about issues related to physical-mental harassments of female students, these student representatives actively participate and communicate with the other students as well as committee members to avoid such incidences and practices in the college. Hostel Committee The college has separate hostel committee for boys hostel and girls hostel with students' representatives in each committee. The committee oversees requirements of students, avoids wastage of food and water, manages the meals in manner to provide wholesome nutrition with variety in menu and also sorts out hospitality related difficulties. The hostel committee also actively organize hostel cultural celebrations and sports activities. Sapta-Dhara Committees: 'Sapta-Dhara' is a constructive strategy to unravel and identify hidden talents in students. The Sapta dhara constitutes seven bands- Creative Expression, Fine Arts, Music Dance, Theatre, Knowledge, Social Service as well as Sports Yoga Band. There is a separate committee for each band, and there are 2 student representatives in each committee who work with the coordinators to provide a

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

PAA (Premukh Swami Science and H. D. Patel Arts College Alumni Association) is a lifelong association of the students with their alma mater. PAA has been registered since 2006 and has 9225 members till date. At the completion of the Graduation or Post Graduateion, majority of the students student becomes a member of PAA by paying single life-time membership charge. Since 2013, PAA has diverged 9 Departmental Chapters with a very zestful calendar of activities through which it connects alumni. The alumni play active role in development of college. All former faculty members and alumni are invited on College Annual Day celebration. The various departments also conduct their alumni meets where the past students share their industry/academic/entrepreneur experiences and showcase expertise with the current students which enable them to gear up with the competitive world. The Alumni are part of the College IQAC and they are regularly invited to participate in the Quarterly College IQAC meetings to be acquainted with development of the college and help the institute to prosper through their valuable suggestions. The institute also collects the alumni feedback and the intellectual inputs from successful, alumni are utilized to enrich the curriculum and enhance the quality of curriculum implementation by organizing Innovative Task Force. Some Alumni provide a strong backbone and

support for Vocational programs where they to participate in BoS as Industrial Representative and they have become an integral part of the Vocation Program: for design of Skill-based Curriculum, to provide Industrial visits - trainings , deliver expert lectures and for offering placement During the College Placement Camps, PAA plays a pivotal role by providing placement to the current year students in to their educational as well as industrial set ups. The institute alumni extend also help students by organizing Pre- placement camp for formal training of Interviews, GDs and Competitive Exam preparations etc. The Alumni also assist financially to the institute via fund and donations.

5.4.2 – No. of enrolled Alumni:

9225

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

144300

5.4.4 – Meetings/activities organized by Alumni Association :

PAA (Pramukh Swami Science and H. D. Patel Arts College Alumni Association) is a lifelong association of the students with their alma mater. PAA has been registered since 2006 and has 9225 members till date. At the completion of the Graduation or Post Graduateion, majority of the students student becomes a member of PAA by paying single life-time membership charge. Since 2013, PAA has diverged 9 Departmental Chapters with a very zestful calendar of activities through which it connects alumni. The alumni play active role in development of college. All former faculty members and alumni are invited on College Annual Day celebration. The various departments also conduct their alumni meets where the past students share their industry/academic/entrepreneur experiences and showcase expertise with the current students which enable them to gear up with the competitive world. The Alumni are part of the College IQAC and they are regularly invited to participate in the Quarterly College IQAC meetings to be acquainted with development of the college and help the institute to prosper through their valuable suggestions. The institute also collects the alumni feedback and the intellectual inputs from successful, alumni are utilized to enrich the curriculum and enhance the quality of curriculum implementation by organizing Innovative Task Force. Some Alumni provide a strong backbone and support for Vocational programs where they to participate in BoS as Industrial Representative and they have become an integral part of the Vocation Program: for design of Skill-based Curriculum, to provide Industrial visits - trainings , deliver expert lectures and for offering placement During the College Placement Camps, PAA plays a pivotal role by providing placement to the current year students in to their educational as well as industrial set ups. The institute alumni extend also help students by organizing Pre- placement camp for formal training of Interviews, GDs and Competitive Exam preparations etc. The Alumni also assist financially to the institute via fund and donations.

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)

Sarva Vidyalaya Kalavani Mandal (SVKM), Kadi, the Management is the apex decisive body for college management. The decentralized and participative management is achieved with consorted efforts of all stakeholders in college management. The CGB comprises of representatives from the management (SVKM), Industry, Kadi Municipality, Directors and Principals of the campus institutions. The CGB, Principal, Vice principal, IQAC coordinator and Nodal officer work in synchrony for effective academic governance. For the Skill

based Vocational programs, as per UGC guideline of DDU- KAUSHAL Kendra, an Advisory committee has been established for smooth functioning of Vocational programs. The College IQAC comprises of Management representatives, Principal, Vice-principal, HoDs, industry representatives, alumni and current students.

IQAC forms various committees for co-curricular and extra-curricular activities. The IQAC meets are regularly organized during every quarter in a year, The college has formed various committees for effective decentralized and participative management. Each committee has a convener and members under the chairmanship of the principal. The diverse committees functioning in the college are : The Admission committee, Timetable committee, Examination committee, Placement cell, Anti-sexual harassment cell, Anti ragging , Student redressal cell, Library, Alumni Association, Tour, Purchase, RUSA, Research and Development, FDP , Staff welfare ,NSS,NCC, Campus maintenance committee, Discipline committee.

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

Yes

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
Human Resource Management	Institute have Effective welfare schemes for faculties, students , supporting staff for Human resource management.
Library, ICT and Physical Infrastructure / Instrumentation	Institute has developed e-library facility for easy access of teachers as well as students. Libraray is completely automated. Digital repository facility has been developed for student's digital repository of marksheet. Library has a collection of 28,684 books,650CDs/DVDs and 80Periodicals 6000 e- journals and 31,35,000 e-books. Two new interactive Kiosk also have also been added for ease of information regarding the institute. The interactive smart boards have also been procured for instilling more interest and intrigue in students during teaching. The boys' hostel is being reconstructed from the RUSA grant A conference room is also being designed. The washrooms are recently renovated and the institute is repainted and infrastructure is maintained from RUSA grant.
Curriculum Development	Involvement of Faculties in curriculum designing as being member of Board of Studies at university level. Feedbacks regarding curriculum are taken from various stakeholders like students, teacher, parents, alumni and employers. Feedback analysis is carried out and report is submitted to university for necessary action for

updating in curriculum. Active participation of industrial experts in curriculum designing of vocational courses by involving industry experts in respective program Board of Studies. The curriculum for skill based program is designed as per need of specific skills at particular industries.

Teaching and Learning

Institute have 100 ICT enabled classrooms for effective teaching of students. The use of Microsoft teams, Google classroom platforms are used for online teaching. An app has been also specially developed for all students and faculties "PSSHDA app" for effective use of virtual platform for teaching and learning. All the faculties and staff were trained by several FDP to be conversant and efficiently use all online teaching tools during the lockdown period. A YouTube channel for the college has been created. The faculties have recorded videos on various topics and uploaded on the channel for student's reference and benefit. During the unlock period none of the faculties opted for work from home and delivered live lectures for effective online teaching and learning. Live demonstration of practical's was also done for science streams. The finishing school for grooming students was also organized on virtual platform. The national webinars were conducted to keep pace with constantly developing global trends.

Examination and Evaluation

Continuous evaluation (CE) system is adopted for student's internal evaluation that includes various tools like online assessment, seminars, weekly test, assessment through skill cards, projects etc. 3 tier examination system is adopted for skill based vocational programs that includes Examination through university, Examination through skill card designed by industry partners and Evaluation by Sector Skill Council. The CE system was meticulously followed even during the lockdown by using google forms to conduct online test for the students. The online submission of assignments and projects by students and online evaluation of the same by all faculties was a normal practice during period of lockdown and various phases of unlock.

Research and Development

Institute provides seed money to

faculty members for Research. Research committee of the college encourage faculties for research work and also organizes various training programs for students for encouragement of post graduate students for research and innovation. Institute have centre for Students Start-up and innovation (SSIP) from Government of Gujarat that provide fund to students for research and innovation. Institute has developed central research laboratory equipped with sophisticated industrial equipment like GC,UPLC,HPLC,FTIR, UV-Visible spectrophotometer , COD analyzer, muffle furnace, dewatering machine, Gel DOC, PCR machine and many more . A sophisticated advanced Plant Tissue culture laboratory has been established for research in area of plant Biotechnology and Tissue culture.

Industry Interaction / Collaboration

Institute has strong industrial linkage and MOUs with more than 75 industries for students training, Internship and placement. This is new 26 MOUs have been signed with new industries to strengthen industry-Institute collaboration.

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

E-governance area	Details
Planning and Development	The planning and development are effectively managed by the ERP system developed for the institute. The details of teaching sessions, teaching plan, assignments, projects, attendance of students, notifications etc all are efficiently managed by the ERP system.
Administration	The administration of the institute is also managed by the ERP. All the details regarding fees, leaves of faculties, teaching schedule, examination notification and schedule internal marks etc are also managed by the ERP. Mobile app of the college is developed that includes various tools for effective administration.
Finance and Accounts	The Finance and accounts of the institute are managed by use of Tally software.
Student Admission and Support	All the admissions were completed by online process. The entire process from form filling, merit list, document submission and fees payment was available in online mode for all courses offered by the institute

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
2020	Dr.Ajay Gor	21st National Conference of Association of Indian College Principals	NIL	7319
2020	Dr.Alpa Jani	NAAC Sponsored One Day National Level Workshop on Understanding the Tools and Parameters of AQAR in Revised Accreditation Framework	NIL	300
2020	Dr.Minal Trivedi	NAAC Sponsored One Day National Level Workshop on Understanding the Tools and Parameters of AQAR in Revised Accreditation Framework	NIL	300
2019	Dr B.H. Vankar	National Sanskrit Seminar	NIL	200
2019	Dr Nilpa Patel	National Sanskrit Seminar	NIL	200
2019	Dr Mahakant Joshi	National Sanskrit Seminar	NIL	200
2020	Dr.Minal Trivedi	UGC and DST Indo UK Project Sponsored International Conference on Microbial Biotech Interactions	NIL	1200

		For sustainable Agriculture Societal Development		
2020	Dr Harsha Soni	UGC and DST Indo UK Project Sponsored International Conference on Microbial Biotech Interactions For sustainable Agriculture Societal Development	NIL	1200
2019	Mr Prashant Jha	3 Days Workshop on Technology Outreach as an Enabler for Inclusive Sustainable Development	NIL	500
2019	Mr Dharmesh Patel	3 Days Workshop on Technology Outreach as an Enabler for Inclusive Sustainable Development	NIL	500
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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	Nil	General Laboratory Safety Training for Nonteaching Staff Organized by Department of Chemistry, PSSHDA,	25/06/2019	27/06/2019	Nil	6

		Kadi				
2020	Two days Faculty Development Program on Continuous Evaluation Methodology organized by IQAC, PSSHDA, Kadi	Nil	17/03/2020	18/03/2020	31	Nil
Nil	FDP on Initiation of Indian Freedom Movement Organized by Department of History, PSSHDA, Kadi	Nil	12/02/2020	14/02/2020	9	Nil
Nil	FDP on Mentoring Pedagogy, Teaching Application of ICT Tool Organized by Department of Biotechnology, PSSHDA, Kadi	Nil	03/03/2020	04/03/2020	47	Nil
Nil	Online Faculty Development Program on Linux - A Five days National level FDP organized by PSSHDA in collaboration with Spoken Tutorial, IIT Bombay	Nil	01/05/2020	05/05/2020	24	Nil
Nil	Three Days FDP On	Nil	19/03/2020	21/03/2020	30	Nil

	Research Methodology Organized by IQAC and Central Research Laboratory, PSSHDA, Kadi					
Nil	Regional level online Training Program on Tally Erp9 and Office System organized by IQAC PSSHDA , KADI	Nil	20/04/2020	29/04/2020	Nil	181
Nil	National Level Webinar SARVAGYAN 2020 organized by IQAC PSSHDA , KADI	Nil	27/04/2020	29/04/2020	650	Nil
Nil	One day State level Webinar - Education 4.0 organized by IQAC PSSHDA , KADI	Nil	09/05/2020	09/05/2020	450	Nil
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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
FDP on Mentoring Pedagogy, Teaching Application of ICT Tool	20	03/03/2020	04/03/2020	2

Five-Days Online Faculty Development Programme on 'LaTeX'	1	26/05/2020	30/05/2020	5
FDP for SSIP - Government of Gujarat	2	18/11/2019	22/11/2019	5
Three Days National level FDP- Webinar Sarvagyan - 2020	10	27/04/2020	29/04/2020	3
5 Days International e-Workshop on Total Solution For Holistic Health	1	10/06/2020	14/06/2020	5
One Week FDP on Multimedia Enriched e-content Development	1	21/05/2020	26/05/2020	6
5 Days Online FDP on LINUX	4	01/05/2020	05/05/2020	5
3 Days Workshop on Technology Outreach as an Enabler for Inclusive Sustainable Development	2	10/08/2019	12/08/2019	3
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
36	36	18	18

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group insurance, GPF and EPF Schemes, Free Medical facility at campus health centre, Duty Leave, Travelling Allowance, Fee waiver for all the Faculty Development Programs, Medical Leave (Sick Leave), Maternity Leave	Interest Free Loan, Maternity Leave and Paternity Leave, Leave Travel Concession, Residential Quarters, Festival bonus to class IV employees, Free uniform and shoes to all the class IV employees,	Merit Scholarship, Means Scholarship, Award and Recognition, Earn while your learn scheme.

and Paternity Leave ,
 Leave Travel Concession
 (LTC) ,Seed Money for
 Research ,Residential
 Quarters ,Gymnasium,
 Sports and Yoga
 facilities ,
 ,Appreciation Award and
 Recognitions ,First aid
 kit

6.4 – Financial Management and Resource Mobilization

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

The Institution has very transparent mechanism for both internal and external financial audit. Internal Audit : The Management, SVKM, Kadi executes the responsibility of internal audit. The Chartered Accountant Firm (Patel Mankad and Co.) has been appointed for the financial audit of the college. The CA firm executes two Mid-Term audits (first in October and second February) and a final audit in April every year. The final financial audit of the college was completed out during the month of April, 2020 All the audited statements and balance sheets are submitted to the Management for the approval in Annual General Meeting(AGM) with the Management. External Audit A Government Auditor appointed by the Department of Higher Education, Government of Gujarat carries out the External / Statutory Audit. The audit of various Government Grants/Schemes/Research funds received by the institution is carried out by the Chartered Accountant and the audited Utilization Certificate along with detailed statement of expenditure is submitted to the respective sanctioning authority for the Final External 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
Kiran Patel ONGC Shree M M Patel Students Development Fund Shree M M Patel Students Development Fund	332700	Students Development Fund Soil Testing Merit Scholarship to Meritorious Students Means Scholarship to Needy students
View File		

6.4.3 – Total corpus fund generated

1128000

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	GSIRF, KCG, Government of Gujarat	Yes	QAC (Quality Assurance Cell) , Kadi Sarva Vishwavidyalaya
Administrative	Yes	GSIRF, KCG, Government of	Yes	QAC (Quality Assurance Cell)

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

Active parent - Teacher interaction cell. Interaction with parents through Mentorship program.

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

1. Organization of various training programs for support staff. 2. Appraisal system for non-teaching and support staff. 3. Festival Allowance 4. Interest Free loan

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

1. Construction of New Boys Hostel under RUSA 2.0 Grant 2. Renovation of College building Under RUSA 2.0 Grant 3. To strengthen Industrial Collaboration, MoU with more 26 industries have been signed for various skill based programs. 4. Faculty Training for Online Education Tools, Techniques and Software.

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	Yes

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	NAAC Peer Team Visit for Third Cycle of Reaccreditation	22/01/2020	17/10/2019	18/10/2019	150
2019	Preparation of Report for Best Department of Biosciences :Competition organized by Microbiologist Society of India	22/01/2020	10/12/2019	20/12/2019	15
2019	Seminar on Women Empowerment by Dr.Hasyadaben Pandya	22/01/2020	19/07/2019	19/07/2019	134
2020	Preparation of Report for particip	22/01/2020	01/01/2020	21/01/2020	35

	ation in India Today Ranking-2020				
2020	Gujarat State Instit utional Ranking Fram ework(GSIRF- 2020)	22/01/2020	01/01/2020	23/01/2020	35
2020	Organization of 3 Days National level webinar 'SARVAGYAN 2020	22/01/2020	27/04/2020	29/04/2020	650
2020	Organization of 5 Days online Faculty Development Programs In collaboratio n with IIT BOMBAY	22/01/2020	01/05/2020	05/05/2020	213
2020	One day State level Webinar - Education 4.0	22/01/2020	09/05/2020	09/05/2020	200
2020	Two days Faculty Development Program on Continuous Evaluation Methodology	22/01/2020	17/03/2020	18/03/2020	31
2020	Industry academia meet and MOU signing ceremony	22/01/2020	07/03/2020	07/03/2020	45
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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

2019	8	Nil	15/07/2019	335	Water Testing Facility -Free of Cost	To check water quality	10
2019	8	Nil	15/07/2019	335	Soil Testing Facility -Free of Cost	To check soil nutritional values	10
2020	8	Nil	07/03/2020	1	Industry academic Meet-Setu 2020	For provision of training and placement to students, organized Industry Academia Meet and MoU signing ceremony	100
2019	8	Nil	15/06/2019	1	Establishment of Biogas plant	Waste management and generation of renewable energy source from waste	50
2019	8	Nil	02/10/2019	1	Plastic Mukti Rally	Prevent pollution for Sustainable environment	100
2020	8	8	04/02/2020	12	Crash Workshop on Biotechnology Capacity Building Cell, Govt. of Gujarat	Training center for cracking PG level competitive exam	171
2020	8	8	01/04/2020	61	Arrange meetings for expatriates' people :Provision	Social Responsibility during pandemic situation	10

					of transportation, Meals and other necessary arrangements	and lockdown	
2020	8	8	01/04/2020	61	Provision of Hostel beds (500 beds) as isolation wards during Covid19 pandemic (Covid Care Centres	Social Responsibility during pandemic situation and lockdown	15
2019	8	8	15/07/2019	365	Unnat Bharat Abhiyan Activities	Social Responsibility	50
2020	8	8	01/04/2020	30	Distribution of Grossary kits to perople of Kadi Region During Covid 19 Lockdown	Social Responsibility during pandemic situation and lockdown	50

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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 Handbook for Students, Teachers, Governing Body, Principal-Officials and Support Staff	01/01/2019	https://psshda.ac.in/code-of-conduct/

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Rakshabandhan Celebration	19/08/2019	19/08/2019	58
Janmashtami-the Birth of Lord Krishna	27/08/2019	27/08/2019	85
Ganesh Chaturthi	09/07/2019	07/09/2019	200
Gurupurnima Celebration-Elocution	19/07/2019	19/07/2019	85

Republic Day Celebration	26/01/2020	26/01/2020	200
Gandhi Jayanti	02/10/2019	02/10/2019	150
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

The college has a lavish green campus with diverse flora and fauna. Healthy green atmosphere provides soothing and welcoming surroundings for all in campus to flourish. The college has implemented several initiatives to promote environmental friendliness which will help to pave way for a sustainable green future. The five R concept of refuse, reduce, reuse, re-purpose and recycle is effectively implemented with initiatives mentioned below:

- Green Audit and Environmental Studies:** The primary goal of institute is to instill green practices at the ground level. The college maintains green and clean landscaping with variety of trees and plants and an exclusive staff in the form of gardeners and cleaners are appointed for maintenance of campus. The College has also undergone Green Audit and promoted several practices to save the environment. Environmental Studies is taught as a subject in first year in all programs as an Elective Generic to create more environmental awareness and friendliness. The college also arranges Nature Club Trainings, forest visits, and excursions. The various clubs organize activities such as Tree plantation, Green Day Celebration, water conservation rallies and other awareness programs for sustainable environment. Various Green Practices like Composting, installation of Low cost Bio-gas plants and Eco-chullas in hostels are implemented by institute.
- Plastic free and Tobacco free campus:** The college campus has strict rules regarding tobacco free and plastic free policy. The whole campus is 'Tobacco Free zone'. All the stakeholders are encouraged to strictly follow the policy of Zero-Tolerance to Polythene pollution.
- No vehicle entry, carpooling and use of public transport:** Usage of public transport and car-pooling is encouraged among the students and staff which is a healthy step to preserve the environment. As a part of healthy green practice and safe environment no vehicles are permitted entry in the campus and only bicycles are allowed to enter in the campus. A corner vehicle parking is maintained on 42 acre campus for safe passage of pedestrians on the campus roads.
- Rain water harvesting:** The institute has underground tank with capacity of 50,000 liters, for harvesting rain water, the rain water from rooftop is collected in this underground tank and is thereafter used as distilled water in the laboratories. Additionally, there is scientifically designed rainwater harvesting Bore-well is installed in campus for recharging the underground water level.
- Waste recycling concept:** The kitchen waste from the hostels in campus collected and is processed to develop compost and biofertilizer for improving crop productivity this helps in recycling the waste in to value added products. Biogas plant is also installed by the institute.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 : Renewable energy generation from Campus waste The context: Industrialization, Globalization and new technological development have entirely changed the environment of the earth. A large amount of waste, which is generated by anthropogenic activities, causes pollution of land, soil and water. The only way to protect the environment is to reduce, reuse and recycles the waste. As a part of innovative practices, by reusing and recycling the campus waste, we produce Bio-palates and Bio-gas for hostel kitchen, manure for Agriculture and recycled water for watering the campus greeneries Sarva Vidyalaya Kelavani Mandal- Kadi - the trust which has been in existence for more than nine decades, is a philanthropic educational trust in North Gujarat.

Kadi campus is broadened over 48 acres of land. The campus has 7 schools and 11 colleges. More than 18000 students are pursuing their school and higher studies at Kadi campus. Over 2500 boys and girls are residing in campus hostels. The hostels generate around 400 kg of kitchen waste per day. The lush green campus is having over 1048 trees in 25 different species. We also collect around 80-100 Kg of plant-waste in the form of leaves, stems and Grasses from the campus. Apart from this, the trust has a 'Gaushala' with more than 125 cattle. These cattle generate approximately 800 kg of cattle waste per day. Objectives:

- To manage such large amount kitchen waste as well as cattle waste generated
- To generate renewable energy from kitchen waste and agri-waste of campus
- Biofuel generation by kitchen waste and agri-waste of campus.

The practice: Biogas plant: Biogas technology is a waste management tool that promotes the recovery and use of biogas as energy by adapting manure management practices to collect biogas. The biogas can be used as a fuel source to generate electricity for on-farm use or for sale to the electrical grid, or for heating or cooling needs. The biologically stabilized byproducts of anaerobic digestion can be used in a number of ways, depending on local needs and resources.

Institute has set a biogas system in campus which is working entirely on kitchen waste generated in hostel, and the gas generated is used as fuel for cooking in hostel kitchens. A pilot plant has been setup that uses 40 kg of kitchen waste and produces gas of 1200 gm per day which saves the requirement of other nonrenewable fuel. Such biogas generated contains 60 methane and 40 carbon dioxide: high grade fuel. Tank volume - 4 m³ Waste added - 40 kg per day

Input to a biogas plant- Food waste generated in hostel after meal. Daily Output - 1200 gram/day Looking to success of pilot plant of biogas system, a large scale project is going to be implemented that will utilize cattle waste also. The estimated cost for the project is 27 lakh Rupees where ROI will be back after two years. Composting We prepare compost from agriculture waste of the campus including dry plant leaves, stems and grass waste of campus. A microbial consortium has been developed which is used to treat the plant waste to produce compost. One cycle of compost preparation is of 21 to 25 days. The compost prepared is used as manure in campus garden. Bio-pellets preparation - fuel for cooking We use agri-waste of campus paper-waste and other wastes like saw dust to produce bio-pellets that serve as alternative source of energy and for fuel purpose. The highest calorific value was found in pellets prepared from sawdust. Specially designed 'Chullas' are set in hostel kitchens, these bio-pellets are used as fuel. Obstacles faced Obstacles Strategy adopted to overcome Manpower requirement Involving students as a part of project work with continuous training every year Increase in maintenance cost if not continuously operated Keeping plant operational even in vacation in with minimal waste Slurry management Using slurry in trust's 'Gaushala' land as manure Impact of practice

- Biopellets serve as alternative source of fuel available for cooking in campus hostel with 35% of energy saving.
- Management of kitchen waste in biogas plant
- Resources required
- Manpower Laboratory facility for constant analysis of parameters of waste and finished product.

Best Practice 2 : Capacity Building Program- BTCBC Crash Workshop The context: The success in 'Transcripting Brighter Bio Future' from the neo tool-Biotechnology shall need world-class man-power and both the state and the central governments are working towards it. The Gujarat State Biotechnology Mission [GSBTM] formed under the aegis of Department of Science and Technology, Government of Gujarat is taking some small but discrete steps towards development of an Institutional Network for Capacity Building Cells [N-BT-CBCs] in the field of Biotechnology.

The State Government has strategized by formation of a couple of Capacity Building Cells in Biotechnology [BT-CBCs] at various academic organizations of the state. Department of Biotechnology, PSSHDA has been selected by State Government as Regional Centre for Biotechnology Capacity Building Cell (under N-BT-CBC) in November 2009. With the financial support from GSBTM, Capacity Building programs are organized including structured Crash Workshops. The Crash

Workshops are organized for preparing students to crack various state and National Competitive Examinations for Admission to Post-Graduate Courses of learning. The workshop is envisaged to be a residential training enabling ample time for the trainers with the students. Objectives: • To prepare students to crack various state and National level Post Graduate entrance examination • Development of Competency of the students as required of Bachelors level thinking and analysis The practice: Crash Workshops Organization: The Crash Workshops are an intensive period of training with some of the best available resource persons delivering more than 60 formal lecture sessions, with ample informal sessions, psychological orientation sessions, mock tests, etc. Total 12 days training (11 hours / day) is provided to selected students in an academic year. The workshop organized is residential as it included 11 hours intensive period of learning each day. Since 2009, the college has organized 12 such crash-workshops to train students for Post Graduate Entrance Examination.

Academic Year	Date and Duration	No. of Student Participated	No. of Resource Persons invited	Outcome of the program
2009-10	3-8, May	T.Y 70	21	Nirma University -4 Sardar Patel University - 3. Changa University - 6.
2010-11	25-27, February	2010 T.Y 46	30	Nirma University -5 Sardar Patel University - 3. Changa University - 3.
2011-12	14-19 November	2011 T.Y 37	27	Gujarat University - 2 S.P. University. - 2 Nirma University - 5 KSV University. - 15
2012-13	10-12 May	2012 T.Y 19	20	2013-14 5-10 May 2014 T.Y 44 44 Gujarat University - 3 S.P. University. - 4 Nirma University - 4 KSV University. - 12 Ganpat University. -10 Changa University. - 4
2014-15	7-12 May	2015 S.Y-32	T.Y.-34 44	4 Students has cracked JNU- CBEE examination • Nancy N Bagariya (JNU AIR 432) • Makwana Mittal Suresh (JNU AIR 494) • Patel Krunal R (JNU AIR 1180) • Zalak Ashokbhai Patel (JNU AIR 1237) Gujarat University 8 S.P. University 5 Nirma University- 7 KSV University - 18 Ganpat University -19 Changa University - 7
2015-16	5-10 May	2016 S.Y.-38	T.Y.-88 46	4 Students has cracked JNU- CBEE examination • Shah Maulik Mahendrabhai (JNU AIR 58) • Chaudhari Minalben Bhagirathbhai (JNU AIR 286) • Chaudhary Paru Hirabhai (JNU AIR 309) Gujarat University 9 S.P. University - 5 Nirma University. - 6 KSV University - 25 Ganpat University -22 Changa University - 8
2016-17	4-9 May	2017 S.Y.-38	T.Y.-68 45	4 Students has cracked JNU- CBEE examination Nisha Chandak IIT Jam AIR 180 JNU AIR 279 Gujarat University. -8 S.P. University 8 Nirma University - 9 KSV University - 30 Ganpat University -26 Changa University - 9
2017-18	2-9 December	2017 S.Y.-78	T.Y.-98 46	Gujarat University -8 S.P.U University. - 8 Nirma University - 9 KSV University - 30 Ganpat University 26 Changa University - 9
2018-19	15-22 December	2018 S.Y.-120	T.Y.-120 46	Gujarat University - 8 S.P. University - 10 Nirma University - 8 KSV University - 35 Ganpat University -23 Changa University - 8
2019-20	04-16 February	2020 S.Y.- 91	T.Y.- 80 66	IIAR- 2 Shoolini University -1 Gujarat University. -2 S.P. University. - 12 Nirma University - 4 KSV University - 36 Ganpat University - 2 Changa University -2

Obstacles faced Obstacles Strategy adopted to overcome Organization of Residential Workshop as it includes 11 hours / day academic training Organization of event after college exam so we can accommodate students in hostel. Having Consent of resource persons Institute maintains liaison with resource persons and with their advance consent Impact of practice • After attending Capacity Building program, students are found to be conceptually very clear as they have learning exposure from eminent academic experts . • The student's competency is enhanced • Students who get PG admission through JNU CEEB, they get Rs. 80000/- per year stipend during their post graduate Studies. Resources required • Manpower • Accommodation facilities • Resource Persons

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

<https://psshda.ac.in/best-practices/>

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

The motto of "Kar Bhala - Hoga Bhala" (?? ??? - ????) is instilled in all the students of Pramukh swami Science and H.D.Patel Arts college to develop responsible young citizens who will be the promising future of our Nation. The college takes several initiatives for achieving the holistic objectives with 360-degree developments of students which are as followed:

- Extension Activities : Each department organizes diverse activities to pour Universal values and Ethics, Social responsibilities, Empathy and Human values
- National Services: The College has creditable track record of savior in nature calamities and crisis. The NSS and NCC cell of college are constantly engaged in providing humanitarian services. During the corona pandemic the NSS and NCC volunteers offered their services for corona testing as well as delivering daily necessities to people trapped in lockdown.
- Awareness activities: The college conducts several awareness activities for inculcating social responsibilities like anti tobacco drive, save girl child, save water, swachh Bharat, Election awareness, ek Bharat Shresth Bharat and many more.
- Participative, Practical and experiential teaching Methodology: Field visits, field project, industrial trainings, hands-on training, expert lectures, Organization and participation in conferences, webinars and seminars, bridge courses for fresher's, remedial classes for slow learners are few noteworthy initiatives of the college to improve the quality of education and keep in pace with global trends.
- ICT based teaching- learning: All the classes are well equipped with projectors additionally virtual class room, Smart Board and visualizers enable the faculties and students both for interactive sessions.
- Certificate and Value added courses to enhance employability: Every department announces and arranges Certificate and Value added courses to enhance employability skills of students to compete on the global challenging era.
- Library and Learning resources: The college library is open every day from morning 7:30 am to 10:30 pm that is 15 hours for easy access for the students. The library provides rare sections for acquainting students regarding ancient literature and this is unique practice of college library. All the students can access online library from college Library App through their registered mobile numbers.
- Floating Library: Gujarati Department form Arts faculty maintains and propagates vision of Honorable Shree Narendrabhai Modi's Floating Library concept. This project help students to enhance their reading interests and abilities as books are easily accessible through this project.
- Training for cracking competitive exams: GPSC and UPSC exam preparation classes are held for interested students. Moreover, since last 9 years, the Biotechnology department organizes GSBTM sponsored BTCBC Crash workshop to crack entrance exams at National Level for PG studies.
- Student Start Up and Innovation Programme (SSIP) and Entrepreneurship cell: These both cells provide golden opportunity for molding the students to become job provider rather than job seekers. Furthermore, this may assist unearth innovation which will provide appealing solution to indigenous problems.
- Industry Linkage: The colleges maintain strong linkages and MOU's with more than 67 industries through vocational education. This provides ample opportunities to the students in Industrial

Provide the weblink of the institution

<https://psshda.ac.in/insitutional-distinctiveness/>

8.Future Plans of Actions for Next Academic Year

Enhance the research culture by acquisition of major and minor research projects and promote publications by students as well as faculties. Upgradation of College Infrastructure by utilization of RUSA grant. Intensify various the activities of

Start-up ecosystem development for promoting students for innovation and Entrepreneurship. Training of faculties for optimizing use of various tools and techniques for Online education. Improve and enhance employability skills of all students. Introduction of various online certificate courses for students and online Faculty development programs for teachers. Organization of National and International level events in collaboration of Nationally Recognized institutes.