

PRAMUKH SWAMI SCIENCE & H.D.PATEL ARTS COLLEGE

(Affiliated to Hemchandracharya North Gujarat University, Patan)

NAAC re-accredited 'A' grade with CGPA 3.20
Awarded 'AAA' Rank-1 by Government of Gujarat
'College with Potential for Excellence' (2010-2019) by UGC

AN ANNUAL REPORT OF INTERNAL QUALITY ASSURANCE CELL (2016-17)



To

**UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG, NEW DELHI-110002**

**PRAMUKH SWAMI SCIENCE & H. D. PATEL ARTS COLLEGE
S. V. CAMPUS
KADI – 382 715
GUJARAT**

www.psshda.org

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Annual Quality Assurance Report (AQAR) of the IQAC

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

Part – A

I. Details of the Institution

1.1 Name of the Institution

Pramukh Swami Science and H.D.Patel Arts College

1.2 Address Line 1

Sarva Vidyalaya Campus,

Address Line 2

Behind Railway Station,

City/Town

Kadi

State

Gujarat

Pin Code

382715

Institution e-mail address

mail@psshda.org

Contact Nos.

02764-262634

Name of the Head of the Institution:

Dr Ajay S. Gor

Tel. No. with STD Code:

02764-262634

Mobile:

9426766703

Name of the IQAC Co-ordinator:

Dr Anand H. Vyas

Mobile:

9426767214

IQAC e-mail address:

mail@psshda.org

1.3 NAAC Track ID (For ex. HCMOGN 18879)

GJCOGN13005

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

EC/66/RAR/043 dated 23-05-2014

1.5 Website address:

www.psshda.org

Web-link of the AQAR:

<http://www.psshda.org/iqac.php>

1.6 Accreditation Details :

i. By NAAC

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B+	75.1	2007	2007-12
2	2 nd Cycle	A	3.20	2014	2014-19

ii. By Govt. of Gujarat (KCG – Knowledge Consortium of Gujarat)

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	Rank 1	84.3	2013	2013-18

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

22/07/2007

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

2016-17

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011))

- i. AQAR 2013-14 _____ submitted to NAAC on (12/05/2014)
ii. AQAR 2014-15 _____ submitted to NAAC on (23/12/2015)
iii. AQAR 2015-16 _____ submitted to NAAC on (19/09/2016)

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

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

Type of Institution Co-education Men Women

Urban Rural Tribal

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

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

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

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

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

Autonomy by State/Central Govt. / University

College with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and

community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held 1st Quarterly Meeting: 30/07/2016
2nd Quarterly Meeting: 19/11/2016
3rd Quarterly Meeting: 18/02/2017
4th Quarterly Meeting: 19/04/2017

2.11 No. of meetings with various stakeholders: No. Faculty
Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No
If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos. International National State Institution Level

(ii) Themes

1. As a part of FDP, One Day Workshop on *College Autonomy : Perceptions and Prospects Workshop* was organized on 28th March, 2017
2. As a part of FDP, Two Days Workshop on *ERP: Enterprise Resource Planning* in collaboration with MCA Institute was organized.
3. As a part of FDP, Two Days Workshop on *Web & Blog Designing Workshop* in collaboration with MCA Institute was organized.
4. As a part of FDP, One Day Introductory Workshop was organized on *Effective Use of Smart Board* on 6th April, 2017 with a trainer Mr Jayesh Bhane who has trained around 40,000 teachers till the date.
5. As a part of FDP, One Day Advanced Workshop was organized on *Effective Use of Smart Board* on 11th April, 2017 with a trainer Mr Jayesh Bhane who has trained around 40,000 teachers till the date.
6. *8th BT CBC (Biotechnology Capacity Building Cell)* 6 Days 2 State Level Workshops were organized: Sem VI: 38 students and Sem IV: 88 students of 8 colleges were benefited.
7. Organized Two Days National Conference on *Agriculture, Biotechnology & Sustainable Development* on 17th – 18th Dec. 2016: 381 participants, 22 Oral & 94 Poster Presentations were made.
8. *Farmers' Meet & Agri-Expo 2017* on 18th Dec. 2016 was organized: 27 Agro Companies had their Stalls & 1280 farmers from surrounding region of Kadi participated in the event.
9. **Instrumentation Training Workshop** was organized by Dept. Of Chemistry during May-June 2016. 5 batches were trained during the Workshop. 55 students from Gujarat Vidyapith, HNG Dept. Indu Dayal College Patan, Guj. Uni. & Bhavnagar Uni. (UG & PG students) participated in the workshop.
10. **Workshop on Hands on Training for HPLC, FTIR, GC** etc by the Dept. of Chemistry : 93 students of the college were benefited.
11. **11th National Maths Convention** affiliated to VIPNET Club (Vigyan Prasar Network of Science Clubs), Govt. of India in Collaboration with All India Ramanujan Maths Club was organized during 26-27 November, 2016:
12. 20-21 September, 2016, Two days **Air Conditioning Installation and Maintenance Workshop** for students was organized
13. Organized 60 days **Skill Development Workshop** for girls under Women's Development Cell.
14. During 3rd Dec. 2016 to 31st Jan. 2017, a 60 days **Ragzine Bag Making Workshop**, in collaboration with Gujarat Clay work & Rural Technology Institute, Gandhinagar, was organized:
15. Three Level Workshop during 2nd, 22nd & 31st Aug. 2016 on **Women's Entrepreneurship Awareness Camp** was organized in collaboration with EDI: Entrepreneurship Development Institute of India, Bhat where Mr Ajay Dixit, a renowned Entrepreneur & Team Leader addressed the Campus students.
16. Organized Three Days **Entrepreneurship Awareness Camp** during 9th – 1th Feb.2017 in association with Dept. of Science & Technology, Govt. of India.

● **Significant Activities and contributions made by IQAC**

No	Significant Activities and contributions made by IQAC
1	Organized Two Days National Conference on <i>Agriculture, Biotechnology & Sustainable Development</i> in collaboration with HVHP Institute of Post Graduate Studies & Research on 17 th – 18 th Dec. 2016:
2	<i>Farmers' Meet & Agri-Expo 2017</i> on 18 th Dec. 2016 was organized in collaboration with HVHP Institute of Post Graduate Studies & Research
3	<i>11th National Maths Convention</i> affiliated to VIPNET Club (Vigyan Prasara Network of Science Clubs), Govt. of India in Collaboration with All India Ramanujan Maths Club was organized during 26-27 November, 2016
4	Organized <i>Science Fair 2017</i> in collaboration with HVHP Institute of Post Graduate Studies & Research
5	Organized a one month Women's <i>Skill Development Workshop</i> for girls under WDC
6	Organized a State Level Hands on Practice, Instrumentation Workshop
7	Organized 2 State Level Workshops 8 th BT-CBC-2016 (6 days) (SY and TY)
8	Organized WEC, Women's Entrepreneurship Motivational Lecture by Ajay Dixit, EDI, Gandhinagar
9	Organized a Three Days Women's Entrepreneurship Awareness Camp along with HVHP Institute of Post Graduate Studies & Research in collaboration with EDI: Entrepreneurship Development Institute of India
10	Organized on 1 st October, 2016, a Personality Development Program for students on Fearless Life was organized with Dr. Sanjay Raval, Well-known motivational speaker, Author and Businessman : 1400 students were benefited.
11	Organized Two Days <i>FDP Workshop on Web Designing</i> in Collaboration with MCA Institute
12	Organized two Days <i>FDP Workshop on ERP: Enterprise Resource Planning</i> in collaboration with MCA Institute, Kadi
13	Organized 60 Days Ragzine Bag Making Workshop for Girls in collaboration with Gujarat Clay work & Rural Technology Institute, Gandhinagar under WDC
14	Organized One Day FDP Workshop on <i>College Autonomy: Perspectives & Prospects</i> in Collaboration with Govt. of Gujarat and HNG University, Patan.
15	Annual Students' Feedback Data is shared with the Depts.
16	Organized Two days Air Conditioning Installation and Maintenance Workshop during 20-21 September, 2016,
17	Organized a Tree Plantation at Khavad, an adopted village, by the institute
18	We are assigned <i>Nodal Centre for Spoken Tutorials</i> by IIT, Mumbai.
19	Organized <i>Experimental Physics Stage Show by Dr T. R. Ananthkrishnan from Kerala</i> on 21 st Oct. 2016
20	Dr Mukesh Patel has initiated <i>Elsevier Publication Campus, USA</i> project: It provides online Certificate Courses on Research Activities, Book Writing & Reviewing skill, Peer Review Process etc.6 faculty members have already cleared 4 Certificate Courses.
21	Dr Mukesh Patel has initiated <i>Elsevier Publication Campus, USA</i> project: It provides online Certificate Courses on Research Activities, Book Writing & Reviewing skill, Peer Review Process etc.6 faculty members have already cleared 4 Certificate Courses.
22	Dr Primal Chatrabhuji Initiated Learn Chemistry project offered by Royal Society of Chemistry, Cambridge; B.Sc. Sem I & III students are enrolled in the project.
23	<ol style="list-style-type: none"> Organized a One Day Workshop on 6th April, 2017 on <i>Introductory Workshop on Effective Use of Smart Board</i> with a trainer Mr Jayesh Bhane who has trained around 40,000 teachers till the date. Organized a One Day Workshop on 11th April, 2017 on <i>Advanced Workshop on Effective Use of Smart Board</i> with a trainer Mr Jayesh Bhane who has trained around 40,000 teachers till the date.
24	Ceramic Meet was organized on 15 th June, 2016: 29 Ceramic Companies with 52 Industry Experts participated.
25	Organized <i>an Interactive Session on Biosciences with an International Research Scholar</i> , a Gold Medalist & a Young Canadian Manning Innovation Award Devanshi Shukla from Canada on 3 January, 2017
26	Organized <i>an Expert Lecture on Astro-biology: A Cradle of Life</i> by Dr Nigel Mason Professor of Physics, School of Physical Sciences, Open University, England.
27	Dept of Bio-technology Participated in Pay Load Designing & Cultivation of Plant in Mars Orbit & check the effect of the Mars Environment on the Plant MOM project_ Mars Orbiter Mission Mangalyaan by ISRO.

The major focus of IQAC is to take into consideration how far the institute has succeeded in executing the previous year plan of action and in accordance to chalk up a new plan of action for further academic development of the institute from academic, administrative, research and infrastructure point of view.

These aspects are discussed in presence of the faculty, non-teaching staff, the college management body and the stake-holders to take solid step of growth for the next academic year.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

Plan of Action	Achievements
To Organize 2 State Level Workshops 8 th BT-CBC-2016 (6 days) (SY and TY)	Organized 8 th BT CBC (Biotechnology Capacity Building Cell) 6 Days 2 State Level Workshops were organized: Sem VI: 38 students and Sem IV: 88 students of 8 colleges were benefited.
To organize National Seminar in Biotechnology	<ol style="list-style-type: none"> 1. Organized Two Days National Conference on Agriculture, Biotechnology & Sustainable Development in collaboration with HVHP Institute of Post Graduate Studies & Research on 17th – 18th Dec. 2016: 2. Organized Farmers' Meet & Agri-Expo 2017 on 18th Dec. 2016 was organized in collaboration with HVHP Institute of Post Graduate Studies & Research
To organize Ceramic Workshop	Organized Two days Air Conditioning Installation and Maintenance Workshop during 20-21 September, 2016,
To organize Seminar in Maths	Organized Two Days 11th National Maths Convention affiliated to VIPNET Club (Vigyan Prasar Network of Science Clubs), Govt. of India in collaboration with All India Ramanujan Maths Club was organized during 26-27 November, 2016
To organize Hands on Practice Workshop	<ol style="list-style-type: none"> 1. Instrumentation Training Workshop was organized by Dept. Of chemistry during May-June 2016. 5 batches were trained during the Workshop. 55 students from Gujarat Vidyapith, HNG Dept. Indu Dayal College Patan, Guj. Uni. & Bhavnagar Uni. (UG & PG students) participated in the workshop. 2. Workshop on Hands on Training for HPLC, FTIR, GC etc by the Dept. of Chemistry: 93 students of the college were benefited.
To organize Digital Literacy Hands on Workshop under Faculty Development Program	<ol style="list-style-type: none"> 1. Organized Two Days FDP Workshop on Web Designing in Collaboration with MCA Institute 2. Organized two Days FDP Workshop on ERP: Enterprise Resource Planning in collaboration with MCA Institute, Kadi 3. Organized a One Day Workshop on 6th April, 2017 on Introductory Workshop on Effective Use of Smart Board

	<p>with a trainer Mr Jayesh Bhane who has trained around 40,000 teachers till the date.</p> <p>4. Organized a One Day Workshop on 11th April, 2017 on <i>Advanced Workshop on Effective Use of Smart Board</i> with a trainer Mr Jayesh Bhane who has trained around 40,000 teachers till the date.</p> <p>5. Spoken Tutorial, IIT Bombay - NMEICT, MHRD, Govt. of India : we are the Nodal Center of Mehsana District.</p>
To organize Autonomy Awareness Workshop for Faculty	Organized One Day FDP Workshop on <i>College Autonomy: Perspectives & Prospects</i> in Collaboration with Govt. of Gujarat and HNG University, Patan.
To introduce Faculty Development Project of Research Activities	Dr Mukesh Patel has initiated <i>Elsevier Publication Campus, USA</i> project: It provides online Certificate Courses on Research Activities, Book Writing & Reviewing skill, Peer Review Process etc. 6 faculty members have already cleared 4 Certificate Courses.
To organize Women's Entrepreneurship workshop	<p>1. Organized Three Level Workshop during 2nd, 22nd & 31st Aug. 2016 on <i>Women's Entrepreneurship Awareness Camp</i> was organized in collaboration with EDI: Entrepreneurship Development Institute of India, Bhat where Mr Ajay Dixit, a renowned Entrepreneur & Team Leader addressed the Campus students.</p> <p>2. Organized Three Days <i>Entrepreneurship Awareness Camp</i> during 9th – 1th Feb. 2017 in association with Dept. of Science & Technology, Govt. of India.</p>
To organize Women's Skill Development Workshop	<p>1. Organized a one month Women's <i>Skill Development Workshop</i> for girls under WDC</p> <p>2. Organized 60 Days Ragzine Bag Making Workshop for Girls in collaboration with Gujarat Clay work & Rural Technology Institute, Gandhinagar under WDC</p>
To organize Tree Plantation Program at the adopted village, Khavad	Organized a Tree Plantation at Khavad, an adopted village, by the institute
To organize Expert Lecture for Science Students	Organized <i>an Expert Lecture on Astro-biology: A Cradle of Life</i> by Dr Nigel Mason Professor of Physics, School of Physical Sciences, Open University, England.
To organize Interactive Session for science students	Organized <i>an Interactive Session on Biosciences with an International Research Scholar</i> , a Gold Medalist & a Young Canadian Manning Innovation Award Devanshi Shukla from Canada on 3 January, 2017
To organize Science Show for science students	An Experimental Physics Stage Show by D Dr T. R. Ananthakrishnan, Ex-professor of Cochin University was organized at the Virtual Hall.
To organize a Personality Development Program for students	Organized on 1 st October, 2016, a Personality Development Program for students on <i>Fearless Life</i> was organized with Dr. Sanjay Raval, Well-known motivational speaker, Author and Businessman : 1400 students were benefited.

To organize a Ceramic Meet	Ceramic Meet was organized on 15 th June, 2016: 29 Ceramic Companies with 52 Industry Experts participated.
To organize Science Fair 2017	Organized <i>Science Fair 2017</i> : 220 Models, 170 Posters were presented. 1400 students from Kadi & Gandhinagar Campus participated in it & 4000 students from nearby academic institutes of Kadi made the visit of it.
To organize Student based Research Activities	Dr Primal Chatrabhuji Initiated <i>Learn Chemistry</i> project offered by Royal Society of Chemistry, Cambridge; B.Sc. Sem I & III students are enrolled in the project.
To organize students Awareness program towards Experimental Science	On 21 st Oct. 2016, Experimental Physics Stage Show by Dr T. R. Ananthakrishnan from Kerala was organized: 122 students were benefited.
To organize Certificate Courses in Biotechnology	<i>Certificate Courses run by the Dept.:</i> 1. GMP-GLP Practices in Biopharmaceuticals 2. Certificate Course in Industrial Biotechnology 3. Certificate Course in Hands-on Practice in Tissue Culture 4. Certificate Course in Applied Plant Tissue Culture Techniques 5. Soil Health Card

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

Annexure: I

2.15 Whether the AQAR was placed in statutory body Yes No
Management Syndicate Any other body

Provide the details of the action taken:

No.	Action Taken by IQAC
1	Organized Two Days 11th National Maths Convention affiliated to VIPNET Club (Vigyan Prasar Network of Science Clubs), Govt. of India in collaboration with All India Ramanujan Maths Club was organized during 26-27 November, 2016
2	<ol style="list-style-type: none"> 1. Organized Two Days National Conference on Agriculture, Biotechnology & Sustainable Development in collaboration with HVHP Institute of Post Graduate Studies & Research on 17th – 18th Dec. 2016: 2. Organized Farmers' Meet & Agri-Expo 2017 on 18th Dec. 2016 was organized in collaboration with HVHP Institute of Post Graduate Studies & Research
3	Organized Two days Air Conditioning Installation and Maintenance Workshop during 20-21 September, 2016,
4	- Organized students' activities e.g. NCC/NSS/Sports
5	Organized Two Days 11th National Maths Convention affiliated to VIPNET Club (Vigyan Prasar Network of Science Clubs), Govt. of India in collaboration with All India Ramanujan Maths Club was organized during 26-27 November, 2016
6	Organized Two days Air Conditioning Installation and Maintenance Workshop during 20-21 September, 2016,
7	<ol style="list-style-type: none"> 1. Instrumentation Training Workshop was organized by Dr Chintan Pandya during May-June 2016. 5 batches were trained during the Workshop. 55 students from Gujarat Vidyapith, HNG Dept. Indu Dayal College Patan, Guj. Uni. & Bhavnagar Uni. (UG & PG students) participated in the workshop. 2. Workshop on Hands on Training for HPLC, FTIR, GC etc by the Dept. of Chemistry: 93 students of the college were benefited.
8	<ol style="list-style-type: none"> 3. Organized Two Days FDP Workshop on Web Designing in Collaboration with MCA Institute 4. Organized two Days FDP Workshop on ERP: Enterprise Resource Planning in collaboration with MCA Institute, Kadi 5. Organized a One Day Workshop on 6th April, 2017 on Introductory Workshop on Effective Use of Smart Board with a trainer Mr Jayesh Bhane who has trained around 40,000 teachers till the date. 6. Organized a One Day Workshop on 11th April, 2017 on Advanced Workshop on Effective Use of Smart Board with a trainer Mr Jayesh Bhane who has trained around 40,000 teachers till the date. 7. Spoken Tutorial, IIT Bombay - NMEICT, MHRD, Govt. of India : we are the Nodal Center of Mehsana District.

No.	Action Taken by IQAC
9	Organized One Day FDP Workshop on <i>College Autonomy: Perspectives & Prospects</i> in Collaboration with Govt. of Gujarat and HNG University, Patan.
10	Dr Mukesh Patel has initiated <i>Elsevier Publication Campus, USA</i> project: It provides online Certificate Courses on Research Activities, Book Writing & Reviewing skill, Peer Review Process etc.6 faculty members have already cleared 4 Certificate Courses.
11	<p>3. Organized Three Level Workshop during 2nd, 22nd & 31st Aug. 2016 on <i>Women's Entrepreneurship Awareness Camp</i> was organized in collaboration with EDI: Entrepreneurship Development Institute of India, Bhat where Mr Ajay Dixit, a renowned Entrepreneur & Team Leader addressed the Campus students.</p> <p>4. Organized Three Days <i>Entrepreneurship Awareness Camp</i> during 9th – 1th Feb.2017 in association with Dept. of Science & Technology, Govt. of India.</p>
12	<p>3. Organized a one month Women's <i>Skill Development Workshop</i> for girls under WDC</p> <p>4. Organized 60 Days Ragzine Bag Making Workshop for Girls in collaboration with Gujarat Clay work & Rural Technology Institute, Gandhinagar under WDC</p>
13	Organized a Tree Plantation at Khavad, an adopted village, by the institute
14	Organized on 1 st October, 2016, a Personality Development Program for students on Fearless Life was organized with Dr. Sanjay Raval, Well-known motivational speaker, Author and Businessman : 1400 students were benefited.
15	Ceramic Meet was organized on 15 th June, 2016: 29 Ceramic Companies with 52 Industry Experts participated.
16	Organized <i>Science Fair 2017</i> : 220 Models, 170 Posters were presented. 1400 students from Kadi & Gandhinagar Campus participated in it & 4000 students from nearby academic institutes of Kadi made the visit of it.
17	Dr Primal Chatrabhuji Initiated <i>Learn Chemistry</i> project offered by Royal Society of Chemistry, Cambridge; B.Sc. Sem I & III students are enrolled in the project.
18	On 21 st Oct. 2016, Experimental Physics Stage Show by D Dr T. R. Ananthakrishnan from Kerala was organized: 122 students were benefited.
19	Organized <i>an Interactive Session on Biosciences with an International Research Scholar</i> , a Gold Medalist & a Young Canadian Manning Innovation Award Devanshi Shukla from Canada on 3 January, 2017
20	Organized <i>an Expert Lecture on Astro-biology: A Cradle of Life</i> by Dr Nigel Mason Professor of Physics, School of Physical Sciences, Open University, England.
21	<p>Certificate Courses run by the Dept.:</p> <ol style="list-style-type: none"> 1. GMP-GLP Practices in Biopharmaceuticals 2. Certificate Course in Industrial Biotechnology 3. Certificate Course in Hands-on Practice in Tissue Culture 4. Certificate Course in Applied Plant Tissue Culture Techniques 5. Soil Health Card

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	6	-	-	-
PG	4	-	-	-
UG	12	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	2	-	-	-
Diploma	1	-	-	-
Certificate	-	-	-	9
Others	-	-	-	-
Total	25	-	-	9
Interdisciplinary	-	-	-	-
Innovative	4	-	-	-

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	25
Trimester	-
Annual	-

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

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

**Please provide an analysis of the feedback in the Annexure*

Annexure: II

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

In Hemchandracharya North Gujarat University, we the only institute to initiate Vocation Courses. B.Voc. : Textile & Ginning Technology

Pharmaceutical Chemistry

Community College : Textile & Ginning Technology

Agriculture & Soil Sciences

Ceramic Technology

Thus we play a pivotal role not only in Board of Studies but also in practicing innovations in Examination process as well.

We have introduced Three Tier Evaluation Method to make the assessment more authentic:

Three Tier Assessments:

- Level 1: Evaluation at Institute level
- Level 2: Evaluation at University level by inviting an industry representative as an examiner
- Level 3: At National level by Sector Skill Council

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

1. Spoken Tutorial, IIT Bombay - NMEICT, MHRD, Govt. of India : we are the Nodal Centre of Mehsana District.
2. Dr Primal Chatrabhuji Initiated *Learn Chemistry* project offered by Royal Society of Chemistry, Cambridge; B.Sc. Sem I & III students are enrolled in the project.
3. Dr Mukesh Patel has initiated *Elsevier Publication Campus, USA* project: It provides online Certificate Courses on Research Activities, Book Writing & Reviewing skill, Peer Review Process etc.6 faculty members have already cleared 4 Certificate Courses.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	On contract
	40	06	19	-	15

2.2 No. of permanent faculty with Ph.D.

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	06	07	19	1	-	-	-	-	25	08

2.4 No. of Guest and Visiting faculty and Temporary faculty

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	12	16	8
Presented papers	08	39	2
Resource Persons	2	2	2

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

1. Mentorship Program for all semesters and disciplines
2. “Working with Industry” project for vocation studies students in 44 industries
3. Project based learning for Physics, Maths, Chemistry & BT students.
4. Introduction of new P.G., Ph.D. and Career Oriented Programs
5. Village Gazetteers
6. Literary Projects by final year BA English.
7. SCOPE : Society For Creation of Opportunity through Proficiency in English by Govt. of Gujarat
8. FDP: Communication Skill Development Weekly Program

2.7 Total No. of actual teaching days

during this academic year

198

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

MCQs

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

08

2.10 Average percentage of attendance of students

85%

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.Sc.	545	27	46			82%
B.A.	573	17	32			65.6%
M.Sc.-III	74	5	4			45.94%
M.A.-III	92	39	15			91.3%
B.Voc.	246	64	105	49	28	100%

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

The college has established an “Internal Quality Assurance Cell” (IQAC) as per the guidelines of NAAC – UGC. The cell consists of members from the Trust, college Alumni, principal of the college, Co-ordinator of the steering committee (NAAC and IQAC), heads of the departments and other reputed people of the town. The cell aims at quality enhancement based on the suggestions of the previous NAAC peer team report . As a part of this, IQAC organizes regular quarterly meetings in the month of July, October, January & April; during these meetings, along with the overall development of present and future plans, three departmental presentations _ one Science, one Arts & one Vocation dept. _ have their academic, research, curricular, co-curricular & extra-curricular activities are shared with others.

Every year the cell outlines the goals and sets targets regarding the overall quality of the institution, which includes needful things to be done and feedback from all stakeholders. The meeting of IQAC is regularly being held at the college wherein all the concerned issues regarding quality improvement are being discussed and solutions are arrived at. The annual report on the institute’s efforts of quality improvement and the achievement of superior

outcomes on all aspect of holistic education is being sent to NAAC – UGC as ‘Annual Quality Assessment Report (AQAR)’ by the IQAC.

As a result of our continual efforts to enhance quality and provide education of higher standard, the college has been recognized by UGC as “College with Potential for Excellence (CPE Phase II)”.

1. The Head of the Departments of each of the enrichment programmes has been entrusted the responsibility of running the programmes efficiently and evaluating them frequently to make them beneficial and result-oriented.

2. Internal Quality Assurance Cell (IQAC) aims at quality enhancement in teaching and learning process based on the feedback from faculty members, students and alumni. The meetings of IQAC are held regularly at the college wherein all the concerned issues regarding quality improvement are being discussed and solutions are arrived at. The annual report on the institute’s efforts of quality improvement and the achievement of superior outcome on all aspects of holistic education are being sent to NAAC – UGC as ‘Annual Quality Assurance Report (AQAR)’ by the IQAC. Based on the suggestions made at the IQAC meetings the following steps are taken:

Feedback of all the students is taken and due analysis is done regarding the methods of teaching and necessary suggestions are communicated to concerned teachers. The evaluation of the teaching-learning process is done on a ten-points scale considering parameters such as presentation skill, content development, evaluation pattern, availability of teacher and general behavior of the teacher etc.

Motivating Steps by IQAC:

1. The college has prepared virtual classrooms and it organizes lectures of experts and encourages college teachers to use various teaching aids such as multimedia projector, interactive board, visualizer (especially for experiments) etc.
2. The college has collaborated with a Government of Gujarat Initiative - ‘SANDHAN’ where satellite based expert lectures are telecast. These lectures are shown to students.
3. The institute has organized several training programmes to update the teacher.

2.13 Initiatives undertaken towards faculty development *

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	-
UGC – Faculty Improvement Programme	41
HRD programmes	2
Orientation programmes	6
Faculty exchange programme	4
Staff training conducted by the university	-
Staff training conducted by other institutions	14
Summer / Winter schools, Workshops, etc.	100
Others	-

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	01	03	-	07
Technical Staff	07	02	01	01

Criterion – III

3. Research, Consultancy and Extension

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

1. MCTT Project: Minimum State-of-the art research laboratory
2. Well equipped plant Tissue Culture Lab and a Green House
3. Research supervisors/guides in various subjects
4. Computerized library and INFLIBNET facility
5. Computer lab enabled with internet facility
6. The college and the hostels are Wi-Fi enabled.
7. We have purchased software_ Quantemol-N_ from UK for advance research in electron –atom/molecules scattering theory.
8. The college has signed MOUs with nearby industries e.g. Corel, Torrent etc. Corel has donated a GC to our research laboratory.
9. The college has spent about Rs.45,00,000/- towards creating research facilities.
10. KSV University has provided additional financial support to several projects (e.g. last year Rs.4,00,000/- has been allocated to 7 faculty members.
11. Open source software training is being regularly provided to students in collaboration with IIT-Mumbai. These software include LATEX, LINUX, PHP- MYSQL, SCILAB, PYTHON, GEOGEBRA etc.
12. MICRO SOIL ANALYSIS LAB
13. UPLC Instrument hands on practice workshop for other college students
14. Thick Forest Project with Sandvik Asia Com. Ltd. in Rajpur
15. Bio-palates for Cooking Gas supplement project

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	3	-	-
Outlay in Rs. Lakhs	3,69,000/-	9,30,000/-	6,98,700/-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	24	2	
Non-Peer Review Journals	14		
e-Journals	2		
Conference proceedings	1		

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

Annexure: III

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	1	Kadi Sarva Vishwa Vidyalaya Gujcost – 1 Gujcost - 2	2,16,000/- 2,20,000/- 2,70,000/-	1,04,700/- 1,60,000/- 2,10,000/-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	2	Kadi Sarva Vishwa Vidyalaya UGC	60,000/- 1,64,000/-	60,000/- 1,64,000/-
Any other(Specify)	-	-	-	-
Total			9,30,000/-	6,98,700/-

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

ii) Without ISBN No.

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

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

3.9 For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy :

1,82,088 Chemistry Workshops
26,52,978 Soil Sample Testing
28,35,066 Total Revenue

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	-	2	4	2	11
Sponsoring agencies	-	UGC	UGC	Uni.	Trust

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year Industrial linkages : 30

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

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

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

Total	International	National	State	University	Dist	College
12	20	04				

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

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level

National level International level

3.22 No. of students participated in NCC events:

University level State level

3.23 No. of Awards won in NSS: National level International level

University level State level
National level International level

3.24 No. of Awards won in NCC: University level State level
National level International level

3.25 No. of Extension activities organized
University forum College forum
NCC NSS Any other

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

- WDC: Women Development Cell Activities:
 - 60 Days Skill Development Workshop
 - 60 Days Ragzine Bag Making Workshop
 - Self Defence Workshop
 - Only Girl Child Reward
 - Cooking Classes
 - Fashion Designing Workshop
- WEC activities :
 - Women Entrepreneurship Orientation Workshop
 - Advanced Women Entrepreneurship Workshop
- Sarva Netrutva Training Workshop
- Voter Awareness Club by NSS
- Security Training Activity on Sundays by NCC cadets as members of Campus Security Committee
- 93 bottles of Blood Donation by N.S.S. & N.C.C. cadets (3 cadets donated blood in medical emergency)
- Tree Plantation by N.S.S.
- Guru Purnima Celebration by N.S.S.
- Gita Jayanti Celebration by Sanskrit Dept
- Sptadhara Competitions
- Pot Painting Competition
- NSS Day Celebration

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	48 Acres	-	Trust: College	48 Acres
Class rooms	24	2	Trust	26
Laboratories	9		Trust: College	
Seminar Halls	2			
No. of important equipments purchased (\geq 1-0 lakh) during the current year.		HPLC	college	27,93,243/-
Value of the equipment purchased during the year (Rs. in Lakhs)		Software	College	3,40,550/-
Others Virtual Classes,				

4.2 Computerization of administration and library

Library:

➤ Library Automation:

- Fully Automated library with soul 2.0 library Management Software and Barcode Technology
- N-List of INFLIBNET to access e-Resources (135000+ e-books and 6000+ e-journals)
- Our Digital Library (Our Institutional Digital Repository).
- User can access our digital collection through our local area network.
- User can access our digital collection through WiFi in his/her mobile phone.
- User can search book and check his/her library account through WiFi in his/her mobile phone.
- Wifi Network Zone
- Internet Access Zone for Students and Faculty (12 Computers)
- Visitors Entry through Barcode Technology.
- All Area of library is under CCTV Surveillance.
- Online Public Access Catalogue (OPAC)

Administration Office:

- Computerized with Internet Facility through seven computer terminals & 4 printer & 2scanners.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	26064	4109378.50	990	2,39,796	27,044	43,49,174.50
Reference Books			10000	5750		
e-Books	1,25,000	0	28,000	0	1,25,000	0
Journals	80	0	37(Renew)	53,488	80	0
e-Journals	6,000	0	0	0	6000	0
Digital Database	0	0	0	0		0
CD & Video	609	0	0	0	609	0
Others (specify)	-	0	0	0	-	0

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	132	2	10 mbps	8	2	7	19	
Added	39			11		1		
Total	171	2	10mbps	19	2	8	19	

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

- 171 computers
- 14 laptops
- 10 mbps BSNL broadband speed + 80 mbps campus broadband speed
- wi-fi facility in the whole campus
- computer laboratory with 60 computers
- DELL (Digital Education Learning Laboratory) with 25 computers & Globeranna English Language Software
- SCOPE (Society for Creation of Opportunity through Proficiency in English) an online Exam for Teaching Staff
- Computer Training Program for Office Staff
- Computerized Library
- Computerized Individual Departments

4.6 Amount spent on maintenance in lakhs :

i) ICT	10.51.125
ii) Campus Infrastructure and facilities	3.86,168
iii) Equipments	1,40,759
iv) Others	8,82,867
Total :	24,60,919

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- **IQAC takes care of the Upgradation of Brochure details to intimate the students as well as parents about the availability of Student Support Services in the form of Mean & Merit Scholarships provided by the Government as well as the Trust.**
- **IQAC takes care of the maximum utilization of the advance facilities provided by the college in the form of infrastructure as well as academic programs for the welfare of the students.**
- **Students from SC/ST, OBC and economically weaker sections**
- **Physically challenged students**
- **For the participants of different national/international competition**
The college students participate in national/international activities at three categories:
 1. Academic conferences/workshops
 2. Sports
 3. Cultural activities
- **Medical help/Medical center /Medical Insurance for the students.**
- **Development of skills**
The college runs career Oriented Programmes to develop various technical skills.
 1. Career oriented Programme on GMP-GLP practices in Biopharmaceuticals
 2. Certificate course in Hands-on Practices in Tissue Culture
 3. Certificate course in Applied Plant Tissue Culture Techniques
 4. Career oriented Programme on communication skills
 5. Career Oriented Training for competitive exams
- **Support for ‘Slow learners’**
The college organizes remedial classes for slow learners. The faculties gave special attention to such students.
- **Exposures of students to other institution of higher learning/corporate/business house etc.**
The college sends final year students for Industrial training and industrial visits to various industries.
We organize educational tours to academic and research institutes such as Physical Research Laboratory, Indian Plasma research, ISRO, IISER Pune, Mapro FOOD Industry Panchginni, Science City, Ahmedabad etc. along with several heritage places in order to give them exposure to higher learning.
- **Publication of student magazines**
The college runs ‘SahityaVartul’ to encourage students to write prose/poetries and articles which are displayed on a specified notice board.
A magazine “प्रज्ञा”(Prajna) is being published periodically. Students are awarded for best contribution.

5.2 Efforts made by the institution for tracking the progression

- Continuous evaluation of the students
- Participation of the students in curricular, co-curricular activities & extra-curricular activities
- Seminars
- Project based learning
- Industrial Visits
- Industrial Training
- Field Trips
- Academic Tours
- Organization of workshops

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others (M.Phil.)
1513	161	14	4

(b) No. of students outside the state

05

(c) No. of international students

X

No	%
941	55.61

Men

No	%
751	44.39

Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
731	122	42	465	07	1367	873	154	45	618	02	1692

Demand ratio ---- Dropout 5 %

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

- Cell for Preparation of civil services examination

Institute has organized coaching classes for preparation of civil services examinations like GPSC, UPSC, Railway Recruitment Boards, Banking Services and other state level examinations. They were given training for better interview preparation. We have found satisfactory improvement in their performance and confidence.

An IAS training centre is run by our Trust at its Gandhinagar campus. Gandhinagar, being the state capital, a pool of IAS officers is available for training. Their lectures are live streamlined to our college at Kadi with a two-way communication.

No. of students beneficiaries

25

5.5 No. of students qualified in these examinations

NET

SET/SLET

GATE

CAT

IAS/IPS etc

State PSC

03

UPSC

Others

- 20 State Level jobs

- 2 NCC cadets in Indian Navy & Indian Army

5.6 Details of student counselling and career guidance

Students are being counseled on various grounds by faculty members and we try to sort out various problems of students.

Following cells are actively engaged in the Counseling work:

Career Counseling Cell: It guides the students regarding career options and other academic matters

Grievance redressal cell: Any issue academic, social or psychological is being dealt with by senior faculty members.

1. A bright girl from Science had developed a love affair with a loafer type boy and her parents were in panic. They met the Principal for help. The Dept Head & the Principal had counseling sessions with the girl to convince her to think of her career and healthy social life. Apart from that, one of the CGB secretaries, who is a friend of the boy's family, talked directly to his father. And thus, the boy was kept outside the issue and the girl rejoined the college and her study as well.
2. In another case, a girl from Arts, recently married, lived her parents to complete the studies. Somehow, due to social networking of Whats'app with the friends, her fiancé doubted her character. They had a bitter exchange of words in this regard. The girl was in tears and thinking of suicide in case her marriage will end up in divorce. Here one of her senior faculty member noticed her disturbed mental state, inquired about the matter. After a while, he advised her to first of remove extra groups from Whats' app, no exchange of pics & videos with the classmates. Asked her not to have group photos of friends as dp of hers and her friends and had finally talked to her father-in-law about the misunderstanding, her bright academic career and the depressed mental state of the girl. After a family meeting, the issue was sort out.
3. In one more case, a girl from Arts due to her talkative and bold nature, came in contact with other college young faculty during her library sessions. She just innocently and out of respect started communication on whats' app with him. But the faculty member from other institute of the campus got possessive about her and started chasing her as well. When complained to the senior faculty of the college, the young faculty was invited for discussion; how this issue can affect their social as well as academic career, it can spoil the image of the campus as well as his professional career and apart from this, morally speaking a student – teacher pious relation should not be spoiled. After a long discussion on all this things aspects, the girl agreed not to chat on social networking with strangers and the faculty member also got convinced to avoid such interaction with student.

Women's Cell: It helps girl students to develop skill based education for entrepreneurship and economic self-reliance.

1. Organized 60 days **Skill Development Workshop** : 67 girls were benefited.
2. During 3rd Dec. 2016 to 31st Jan. 2017, a 60 days **Ragzine Bag Making Workshop**, in collaboration with Gujarat Clay work & Rural Technology Institute, Gandhinagar, was organized: 27 girls were benefited & sum total of 1,20,000 stipend was given by Govt. of Gujarat.
3. Apart from this, Fashion Designing Workshop, Cooking Workshop were also organized for the benefit of the Hostel Girls.

Women's Entrepreneurship Cell:

1. Three Level Workshop during 2nd, 22nd & 31st Aug. 2016 on **Women's Entrepreneurship Awareness Camp** was organized in collaboration with EDI: Entrepreneurship Development Institute of India, Bhat where Mr Ajay Dixit, a renowned Entrepreneur & Team Leader addressed the Campus students.
2. Organized Three Days **Entrepreneurship Awareness Camp** during 9th – 1th Feb.2017 in association with Dept. of Science & Technology, Govt. of India.

Sarva Netrutva Training Workshops

No. of students benefitted

115

5.7 Details of campus placement:

Yes the college has an active Career Counselling Cell and the college is a part of the state level placement programme (Universal Development of Integrated employability Skills through Higher education Agencies) **UDISHA** – A Gujarat government initiative to increase employability of students of the state.

Also, the college generally organizes ‘campus interviews’ for the students of B.Sc. as well as M.Sc.

Field Expert from Cera Ceramics Pvt. Ltd. had a Placement Orientation Program in College Virtual Hall for B.A. & B.Sc. students to introduce them to various production sections, marketing department and availability of job for boys and girls as well.

Meghmani Industries Ltd. (Manufacturers of Dyes, Agro chemicals and intermediates) visited the Department of Chemistry, Patan, to guide and offer job in their companies. Our students attended the programme and were benefitted. Students of B.Sc. (Biotechnology) were exposed to industries through training of two weeks in industries such as,

- (a) Cadial Health care
- (b) ZydusMayne oncology Pvt. Ltd.
- (c) IntasPharma
- (d) IFFCO
- (e) AMUL dairy
- (f) Totun Pharma
- (g) Casil Pharma
- (h) Gujarat Cancer research Centre
- (i) Claris Life Science
- (j) Somany Sanitary ware Pvt. Ltd.
- (k) Vivekanand Oil Industries Ltd.
- (l) Alembic Pharmaceuticals Ltd.
- (m) Nirlife Healthcare Ltd.

Students from science faculty of our college have been selected from different industries.

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Total Number of Students Placed
Cera Ceramics Ltd.	06	06	70
Arvind Limited, Santej	13	13	
NCC – BVoc & CC Data			

Campus Placement Data		
No	Name of the Industry	No. of students Placed
1	Safal Healthcare Pvt. Ltd.	4
2	Abaris Healthcare	1
3	Kavyee Aeropharm Pvt. Ltd.	1
4	Cera Sanitaryware Ltd.	6
5	Somany Ceramic Ltd.	4
6	Murugappa Moragan Thermal Ceramic Ltd.	7
7	Aqua Life Ltd.	1
8	Gujarat Energy Board	1
9	Mahavir Enterprises Pvt. Ltd.	1
10	Santoshi Enterprises (Contractor for MAP Industries)	3
11	Adani India Pvt. Ltd., Mundra	1
12	Vivekanand Cotspin LLP	8
13	Arvind Limited, Santej	13
14	Chlorophyll Biotech, Gandhinagar	3
15	Sahjanand Foods, Rajpipla	1
16	Greenfield Biotech, Gandhinagar	1
17	Kadi Market Yard	1
18	TATA Chemicals Pvt.Ltd.	1
19	Indofil pvt ltd	1
20	Astra life care	6
21	N.K.Industries Pvt. Ltd.	3
22	Pashupati Cotspin LLP	1
23	Allen Institute	1

5.8 Details of gender sensitization programmes

Yes, the institution has a student grievance redressed cell. In order to meet the grievances, “Suggestion Box” has been kept near the administrative office. The college has a “Grievance Redressed Cell” to redress the grievances of the stakeholders and students. The committee sorts out their problems promptly and amicably. The committee also redresses the grievances of the stakeholder as and when required. Serious issues are discussed in the staff meeting and the rest are sorted out in an informal manner.

GRIVANCES REDRESSED:

1. A bright girl from Science had developed a love affair with a loafer type boy and her parents were in panic. They met the Principal for help. The Dept Head & the Principal had counseling sessions with the girl to convince her to think of her career and healthy social life. Apart from that, one of the CGB secretaries, who is a friend of the boy’s family, talked directly to his father. And thus, the boy was kept outside the issue and the girl rejoined the college and her study as well.
2. In another case, a girl from Arts, recently married, lived her parents to complete the studies. Somehow, due to social networking of Whats’app with the friends, her fiancé doubted her character. They had a bitter exchange of words in this regard. The girl was in tears and thinking of suicide in case her marriage will end up in divorce. Here one of her senior faculty member noticed her disturbed mental state, inquired about the matter. After a while, he advised her to first of remove extra groups from Whats’ app, no exchange of pics & videos with the classmates. Asked her not to have group photos of friends as dp of hers and her friends and had finally talked to her father-in-law about the misunderstanding, her bright academic career and the depressed mental state of the girl. After a family meeting, the issue was sort out.
3. In one more case, a girl from Arts due to her talkative and bold nature, came in contact with other college young faculty during her library sessions. She just innocently and out of respect started communication on whats’ app with him. But the faculty member from other institute of the campus got possessive about her and started chasing her as well. When complained to the senior faculty of the college, the young faculty was invited for discussion; how this issue can affect their social as well as academic career, it can spoil the image of the campus as well as his professional career and apart from this, morally speaking a student – teacher pious relation should not be spoiled. After a long discussion on all this things aspects, the girl agreed not to chat on social networking with strangers and the faculty member also got convinced to avoid such interaction with student.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	26	1,56,500
Financial support from government	118	10,35,020
Financial support from other sources	1	60,000.00
Number of students who received International/ National recognitions		

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: _____NIL_____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

The Vision of the Institute is,

“To keep pace with global advances in Education, by providing value based knowledge and nurturing professional skills in the area of Science and Arts, with special emphasis on societal elevation through rural development.”

Mission

To accomplish the vision, our Mission is,

- 1. To achieve the status of “Centre for Excellence” after being recognized as ‘College with Potential for Excellence’.**
- 2. To make students more employable through Career Oriented Programs and inspire them to create jobs by inculcating entrepreneurial skills.**
- 3. To cultivate scientific attitude, research aptitude and soft skills among the students.**
- 4. To instill enthusiasm for preservation of languages, art and cultural heritage.**
- 5. To create state of the art infrastructure to facilitate teaching, research and sports.**
- 6. To promote the teachers for consultancy and patent generation.**
- 7. To contribute to societal elevation by empowering women and through value based education.**

6.2 Does the Institution has a management Information System

Our Trust SVKM _ Sara Vidyalaya Kelavani Mandal_ has signed an MOU with another University for ERP which will manage the total functions of the college which includes Students’ Modules, Teachers’ Modules, Account Modules, Examination Modules, Library Modules etc. Here with we mention that the ERP system is going to cover each and every functionality of the college in connection with all the stake holders including management, affiliating University, students, parents, Alumni and Government Departments like Education Dept., PF Dept., IT Dept. etc. In short, the system is exhaustive for the total functionality of the college. The University with which we have signed MOU has implemented the ERP successfully since 2012. It is expected that our Trust is going to implement this ERP in full fledged form from January 2018, as only customization portion yet to be modified in the existing system which is already implemented successfully as mentioned above.

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

6.3.1 Curriculum Development

The following faculties of the college contribute to the curricula design and development process as University members of Board of Studies of respective subjects:

Sr No.	Faculty	Subject
1	Dr Ajay Gor (The Principal)	B.Voc.
2	Mr. C. V. Patel	Chemistry
3	Mr. S. V. Chaudhari	History
4	Dr N.J. Parikh	History
5	Dr A. H. Vyas	English
6	Dr Minal Trivedi	Biotechnology
7	Mr C. A. Patel	Physics
8	Dr Parimal Chatrabhuji	Chemistry

- Prior to the BOS meetings of the university, the BOS Members of the college hold discussion with other faculty members regarding the curriculum and take their feedback to the university.
- We prepare questionnaire with respect to curriculum and take written feedback from the students which is, in turn, forwarded to the concerned authorities including faculties and the University.

In Hemchandracharya North Gujarat University, we the only institute to initiate Vocation Courses. B.Voc.

: Textile & Ginning Technology

Pharmaceutical Chemistry

Community College : Textile & Ginning Technology

Agriculture & Soil Sciences

Ceramic Technology

Thus we play a pivotal role not only in Board of Studies but also in practicing innovations in Examination process as well.

We have introduced Three Tier Evaluation Method to make the assessment more authentic:

Three Tier Assessments:

- Level 1: Evaluation at Institute level
- Level 2: Evaluation at University level by inviting an industry representative as an examiner
- Level 3: At National level by Sector Skill Council

6.3.2 Teaching and Learning

The college gives great emphasis on innovation and creativity in teaching methodologies. In order to facilitate such innovative practices the college has adopted the use of technology in to teaching methods.

- A) **Academic Tours and Industry visits:** The College organizes regular academic tours, field work and industry visits to expose and motivate the students to demands of industry and society.
- B) **Industrial Training :** For students of Science & Vocation Studies, the college has MOUs with 44 industries for first hand exposure to industrial experience through industrial training.
- C) **Industrial Experts' Lectures:** Along with the Industrial Visits & Industrial Trainings, the college invites the Industrial Authorities for Expert Lectures on various topics related to the curriculum.
- D) **Daily Homework, Daily Assessment Project:** Especially, final year students of BSc are invited to participate in this project to enhance their subjective knowledge and team-work spirit. For every 15 students, one team-leader is selected and as an appreciation of his efforts, monthly the college pays him remuneration as well. Thus, this project support the saying "Earning with Learning"
- E) **Mentorship Project:** To inspire students' involvement in the development of the college, semester wise Mentors are appointed to look after the academic progress of the students apart from their co-curricular and extra-curricular development during the studies.
- F) **Project based learning:** Particularly, to the final year students of B.Sc., The faculty members assign projects. Students are directly involved in activities such as soil analysis, and seedlings and hardening of plants, tissue cultured in our Plant Tissue Culture Lab. We make them earn while learning by involving in such projects.
- G) **Specialized trainings:** The college students are given opportunity to learn the Open Source Software in collaboration with IIT-Mumbai, and exposure to sophisticated equipments like HPLC, FTIR, GC etc. in our research lab. Such advanced trainings prepare the students for employable markets.
- H) **Assignments and Seminar:** Students are regularly given assignments, quizzes and they are required to present seminars in their classes. Due weight age to these activities is given in the internal evaluation.
- I) **Interactive board/ Multimedia projectors:** The teachers are encouraged to use interactive boards and multimedia projectors for better presentation. The interactive boards allow the teachers to 'save' the study material, which can be e-mailed to students for future use and studies.
- J) **Visualizer:** The College has purchased a Visualizer, which records all the experimental work done by students that can be reviewed by students /teachers later and can be shown to another group of students.

The following structure is adopted for achieving the above mentioned learning outcomes:

- Remedial classes for weak learners
- Motivation for rank holders
- ICT enabled training and provision for ICT tools
- Quality improvement program
- Faculty development program
- Theory, projects, assignments & practical for effective learning.

6.3.3 Examination and Evaluation

EVALUATION BLUE PRINT:

We have developed a strong efficient and effective evaluation blue print based on sincerity, secrecy and sanity at every stage such as planning, scheduling, conduction of examination, assessment and moderation of answer books and declaration of results.

Administrative setup-

- College Examination committee- This committee consists of college senior faculties nominated by the principal. The committee is in charge for all matters pertaining to examination which includes preparation of examination, schedule, monitoring of the process, paper setting and assessment of answer books and declaration of results.

Examination pattern

- We follow the examination pattern of the affiliating university in which the university exam and internal assessment carry 70 marks and 30 marks respectively. Internal assessment (30 marks) consists of mid-semester examination (20 marks) and 10 marks for seminar, assignment, attendance, Quiz and fieldwork.
- **Weekly Tests:** We have adopted continuous evaluation pattern as a part of internal assessment in case of T. Y. B. Sc. Students. For 50 % of internal evaluation, we conduct weekly tests every Monday. Total 15 such tests are conducted out of which best 13 are considered. For remaining 50 % of internal evaluation a preliminary examination is conducted.
- **Additional examination** – For any student who fails to appear in some or all papers at the internal examination due to genuine reasons like medical leave, representing college/university in sports, cultural, N.C.C., N.S.S., or the activities conducted by recognized bodies or because of any valid reason, we offer retest.

6.3.4 Research and Development

- State-of-the-art research laboratory
- Well equipped plant Tissue Culture Lab and a Green House
- Research supervisors/guides in various subjects
- Computerized library and INFLIBNET facility
- Computer lab enabled with internet facility
- The college and the hostels are Wi-Fi enabled.
- Research funds
- The UGC has recognized our college as “College with Potential for Excellence” and provided a special grant of Rs1,40,00,000/- a big part of which is being spent for establishing research facilities in the college.
- The college has spent about Rs.45,00,000/- towards creating research facilities.
- The college has signed MOUs with nearby industries e.g. Corel, Torrent, etc. Corel has donated a GC to our research laboratory.
- KSV university has provided additional financial support to several Projects.

6.3.5 Library, ICT and physical infrastructure / instrumentation:

- **Library:** The College has a resourceful library and students have free access to it from morning 8:00 to evening 10:00 .
- **Library Reading Hall :** Air conditioned 100 cubicles capacity Reading Hall remains open 24X7 .
- **Computation facility:** A computer lab with over 50 computers enabled with broadband internet and Wi-Fi facility is fully available to students and faculty.
- **Inflibnet:** The College has subscribed INFLIBNET whereby lot of e-journals and e-books are available for research students of the college. Internet facility for students and the library is connected through intranet and is available to each teacher on his/her desktop.
- 24,345 Text & Reference Books
- 83 journals & magazines
- 1,25,000 e-books
- 6000 e- journals
- 609 CD/DVD educational material
- 6 computers with internet facility are available for soft data search.

6.3.6 Human Resource Management

Human resource management							
Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers 36							
D.Sc./D.Litt.	--	--	---	--	--	--	
Ph.D.	--	--	11	1	7	3	22
M.Phil.	--	--	2	--	--	1	03
PG	--	--	6	--	3	3	11
Temporary teachers 03							
Ph.D.	--	--	--	--	4	1	5
M.Phil.	--	--	--	--	--	1	1
PG	--	--	--	--	3	1	4
Part-time teachers 03							
Ph.D.	--	--	--	--	1	--	1
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	2	--	2

- Out of 12, 10 are pursuing research, of which 5 are on the verge of completing Ph.D.
- The college management recruits qualified faculty members as per university guidelines and supports them fully to retain them.
- Provides congenial environment, security and full facility for research
- Provides financial support to carry research projects (e.g. in year 2012-13 eight faculty members have got projects worth Rs. 4,00,000/- by college management)
- Provides financial support to attend international conferences abroad (e.g. Prin. Dr. Ajay Gor received Rs. 50,000/- to present their research work at conferences in USA)

6.3.7 Faculty and Staff recruitment

- As per the Government & UGC norms faculty and staff recruitment takes place .
- When the State Govt. delays the NOC process for old/new vacancies as per the work- load, the College Trust, as per Govt. academic qualification recruitment process norms, appoints the Faculty as well as Staff not to let the college work hamper for the benefit of the students.

6.3.8 Industry Interaction / Collaboration

Industry interaction

- MOUs with industries
- The institute is associated with various industries for
- Organization of campus interview
- Involvement of experts from Industries in teaching and curriculum design students training and placement like,

Sr No.	Name of the Industry	Sr No.	Name of the Industry
1	Divine Life Care	17	Esquedrughouse
2	West Coast Pharma	18	Nirma Healthcare Gujarat Lab.
3	IFFCO, Kalol	19	Zydus Hospriya
4	Intas Biopharma	20	GSBTM
5	Lincoin Pharma, Ahmedabad	21	Mother Dairy
6	Zydus Cadila, Ahmedabad	22	Torrent Pharma
7	Sanket Metropolis Health Se.	23	Troika Pharma
8	Claris Life sciences Ltd. Ahmedabad	24	Osho Pharma
9	Stanmark Pharma	25	Jay Formulation Ltd.
10	Sabar Dairy	26	Aniket Pharma
11	Coral Pharma	27	Lizard Pharma
12	Prantij Pharma	28	Ganesh Sales
13	Euphoric Pharma	29	Aura Neturaceuticals Ltd
14	Cadila, Dholka	30	Concord Biotech
15	Best roses Biotech	31	Mediwin Pharma
16	Amneal Pharma		

We have inducted several executives from Industries into our curriculum design committees as listed below.

Sr No.	Executives from Industries & academia for curriculum design committees
1	Mr. Nilesh Trivedi, AGM, Torrent Pharma Ltd.
2	Dr. Hemant Desai, GM, Nirlife Healthcare Ltd.
3	Dr. Mahendra Sadadiya, MD, San Envirotech Pvt. Ltd., Ahmedabad
4	Mr. Deep Modi, Director, Environponics Solutions Pvt. Ltd., Ahmedabad
5	Dr. Anand Bhadalkar, Sector Specialist, Industry Sector, GSBTM, Govt. of Gujarat, Gandhinagar
6	Mr. Sanjay Patel, Director, SP Renewable Energy Source Pvt. Ltd., Anand and SP Energy Resources Pvt. Ltd., USA

The list of MOUs with Industries is separately attached particularly for B.Voc. & C.C. programs.

Annexure V

6.3.9 Admission of Students

The college ensures wide publicity and transparency in the admission process as mentioned below.

- Admission advertisement is published in leading regional and local daily newspapers. The announcement contains detailed information about number and range of courses, eligibility, process of admission and academic as well as support facilities.
- Prospectus giving all the academic, administrative and financial aspects related to admission process is made available to students.
- The detailed information regarding admission is displayed on the college website: www.psshda.org.
- The faculty members of the college personally visit various schools of the neighboring areas to counsel students regarding the career opportunities of the programmes offered by the college.
- The institution actively participates in various education fairs at national and international level e.g. the institute had a stall in 4th Vibrant Gujarat Global Summit at Gandhinagar, the Capital of Gujarat.

Transparency:

- Ours is a Grant-in-aid college with many self financed courses at its ledger and admissions are made as per state government and affiliating university's norms and guidelines.
- We display merit list and admit students purely on merit basis. In few subjects where the number of seats remain vacant, we give admission to students on 'First Come, First Serve' basis.

6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"> • Group Insurance • Free Education for their children in the campus • Research Scholarships from Kadi Sarva Vishwa Vidyalyaya • Travel Loan for International Conference abroad • Study Leave • Maternal Leave even, to self-financed staff • EPF benefits to the permanent faculties of self-financed staff • Workshops for equipment training as well as soft skills in the campus
Non teaching	<ul style="list-style-type: none"> • Group Insurance • Free Education for their children in the campus • EPF benefits • Workshops for soft skill Training in the campus
Students	<ul style="list-style-type: none"> • Merit & Mean Scholarships & Freeships from Govt. & the Trust • Coaching Classes for Competitive Exams • Medical Insurance & Medical Centre at the Campus premises • Skill based Career Oriented Programs • Publication of Students' Magazine • Entrepreneurship Development Programmes • NSS / NCC activities • Saptadhara • UDISHA & BISAG online Expert Lectures etc.

6.5 Total corpus fund generated

1,82,088 Chemistry Workshops
26,52,978 Soil Sample Testing
28,35,066 Total Revenue

6.6 Whether annual financial audit has been done

Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Knowledge Consortium of Gujarat	Yes	IQAC
Administrative	Yes	Knowledge Consortium of Gujarat	Yes	IQAC

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

For UG Programmes Yes No

For PG Programmes Yes No

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

University reforms

- With the introduction of the CBCS for all the UG and PG programmes continuous evaluation process in internal assessment of 30 marks is inducted. 10 out of the 30 internal marks are given for seminars, quiz, assignments, projects and class room participation.
- The structure of question papers of the external (University) exams of 70 marks is modified so as to include multiple choice questions (MCQ) to prepare the students for competitive examinations.
- The passing level is raised from 35% to 40% in the University as well as internal exam.

Institution reforms

➤ Weekly Test

Institution has been following weekly test pattern for final year B.Sc. students for their internal continuous evaluation. Every Monday, weekly test is organized and out of total 15 such weekly tests, marks of best 13 tests are considered for internal assessment. Due to continuous evaluation we have found enhanced performance of the students and rank at university examination. The weekly tests have a weightage of 50% to internal evaluation.

- **Preliminary Examinations:** Along with weekly tests we conduct a prelim, which contributes 50 % to internal evaluation.
- **MCQ tests:** We have introduced MCQ tests as a part of continuous internal

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

Organized One Day State Level Workshop on *College Autonomy: Perspectives & Prospects* in collaboration with Knowledge Consortium of Gujarat, Govt. of Gujarat & HNG University, Patan on 28th March, 2017

6.11 Activities and support from the Alumni Association

For any institution its alumni base serves as its backbone and it can contribute to the development of the organization greatly. We are proud to mention that our Trust is run solely by its alumni.

Our college has an alumni association and the students of this college can register to the alumni association through the college web site.

<http://www.psshda.org/alumni.php>.

- The alumni association has worked as partner in all round development of our institution. They have instituted scholarships for bright students of the college.
- They have freely donated to the growth of the institution.
- They visit the institution regularly and motivate our students.
- Some of the alumni contribute in designing the syllabi in accordance with the need of the employment market.
- They help us organize campus interviews and guide the students to appropriate jobs.

We organize parent – teachers meetings wherein we discuss general issues regarding students’ improvement and gather feedback from parents. Parents take active interest in the development of the college and involve themselves in various activities conducted by college.

6.13 Development programmes for support staff

- The support staff is given soft skill training, especially of Computer Operative Skills to make the administration smooth, effective, accurate and time-saving for the students and the institute as well. In this respect, the newly appointed staff is given training of the Computer Skills by the mother institute MCA college in the campus only.

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

Ecology and Environment:

- In tune with the current awareness as well as employment opportunities in the field of Environment the college has introduced a PG course (M.Sc.) in Environment Science.
- The institute organizes the environment related programmes, seminars, workshops etc. and subscribes journals / magazines related to ecology and environment. The regular environment awareness programmes among the students and society is observed by N.S.S. unit of the institute. As a part of environmental conversation, tree plantation programmes are organized at adopted village. The maintenance of trees and cleanliness drives are organized as a part of regular activities.
- Our departments of Botany, Zoology and Chemistry also organize the programmes for ecological and environmental awareness. The college possesses a well-maintained Botanical Garden including medicinal plants and green house.

Institute conducts green audit of campus. Institute believes in collective duty to care for our environment. Through a project carried out by Bioscience department, it was analyzed that there are about 1000 trees in the campus and the average standing stock of organic carbon in well grown trees is about 2988 tons.

The institute celebrates world earth day, world ozone day etc to create environmental awareness.

Faculty members of biotechnology department have undertaken the projects to,

- Sustain renewable energy source (Biogas plant),
- Waste management (Composting and waste water recycling) and
- Plantation contributes to make the campus green and sustainable.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Developing B.Voc. & Community College Programs

As per the UGC XII Plan Guideline:

“To align higher education with the emerging needs of the economy so as to ensure that the graduates of higher education system have adequate knowledge and skills for employment and entrepreneurship”

To fulfill the ‘**Skills Gap requirements**’ of the Textile & Ginning Industry of Kadi region as well as the 12 kms. surrounding Chemical Industrial GIDC of Chhatral and the Agricultural Farming Traditional Occupation of the North Gujarat Region, the College applied for B.Voc. & C.C. Programs in the aforesaid disciplines.

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

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

Plan of Action	Achievements
To Organize 2 State Level Workshops 8 th BT-CBC-2016 (6 days) (SY and TY)	Organized 8th BT CBC (Biotechnology Capacity Building Cell) 6 Days 2 State Level Workshops were organized: Sem VI: 38 students and Sem IV: 88 students of 8 colleges were benefited.
To organize National Seminar in Biotechnology	<ol style="list-style-type: none"> Organized Two Days National Conference on Agriculture, Biotechnology & Sustainable Development in collaboration with HVHP Institute of Post Graduate Studies & Research on 17th – 18th Dec. 2016: Organized Farmers' Meet & Agri-Expo 2017 on 18th Dec. 2016 was organized in collaboration with HVHP Institute of Post Graduate Studies & Research
To organize Ceramic Workshop	Organized Two days Air Conditioning Installation and Maintenance Workshop during 20-21 September, 2016,
To organize Seminar in Maths	Organized Two Days 11th National Maths Convention affiliated to VIPNET Club (Vigyan Prasar Network of Science Clubs), Govt. of India in collaboration with All India Ramanujan Maths Club was organized during 26-27 November, 2016
To organize Hands on Practice Workshop	<ol style="list-style-type: none"> Instrumentation Training Workshop was organized by Dr Chintan Pandya during May-June 2016. 5 batches were trained during the Workshop. 55 students from Gujarat Vidyapith, HNG Dept. Indu Dayal College Patan, Guj. Uni. & Bhavnagar Uni. (UG & PG students) participated in the workshop. Workshop on Hands on Training for HPLC, FTIR, GC etc by the Dept. of Chemistry: 93 students of the college were benefited.
To organize Digital Literacy Hands on Workshop under Faculty Development Program	<ol style="list-style-type: none"> Organized Two Days FDP Workshop on Web Designing in Collaboration with MCA Institute Organized two Days FDP Workshop on ERP: Enterprise Resource Planning in collaboration with MCA Institute, Kadi Organized a One Day Workshop on 6th April, 2017 on Introductory Workshop on Effective Use of Smart Board with a trainer Mr Jayesh Bhane who has trained around 40,000 teachers till the date. Organized a One Day Workshop on 11th April, 2017 on Advanced Workshop on Effective Use of Smart Board with a trainer Mr Jayesh Bhane who has trained around 40,000 teachers till the date. Spoken Tutorial, IIT Bombay - NMEICT, MHRD, Govt. of India : we are the Nodal Center of Mehsana District.
To organize Autonomy Awareness Workshop for Faculty	Organized One Day FDP Workshop on College Autonomy: Perspectives & Prospects in Collaboration with Govt. of Gujarat and HNG University, Patan.
To introduce Faculty Development Project of Research Activities	Dr Mukesh Patel has initiated Elsevier Publication Campus, USA project: It provides online Certificate Courses on Research Activities, Book Writing & Reviewing skill, Peer Review Process etc. 6 faculty members have already cleared 4 Certificate Courses.
To organize Women's Entrepreneurship workshop	<ol style="list-style-type: none"> Organized Three Level Workshop during 2nd, 22nd & 31st Aug. 2016 on Women's Entrepreneurship Awareness Camp was organized in collaboration with EDI: Entrepreneurship Development Institute of India, Bhat where Mr Ajay Dixit, a renowned Entrepreneur & Team Leader addressed the Campus students. Organized Three Days Entrepreneurship Awareness Camp during 9th – 1th Feb. 2017 in association with Dept. of Science & Technology, Govt. of India.

To organize Women's Skill Development Workshop	<ol style="list-style-type: none"> 1) Organized a one month Women's <i>Skill Development Workshop</i> for girls under WDC 2) Organized 60 Days Ragzine Bag Making Workshop for Girls in collaboration with Gujarat Clay work & Rural Technology Institute, Gandhinagar under WDC
To organize Tree Plantation Program at the adopted village, Khavad	Organized a Tree Plantation at Khavad, an adopted village, by the institute
To organize a Personality Development Program for students	Organized on 1 st October, 2016, a Personality Development Program for students on Fearless Life was organized with Dr. Sanjay Raval, Well-known motivational speaker, Author and Businessman : 1400 students were benefited.
To organize a Ceramic Meet	Ceramic Meet was organized on 15 th June, 2016: 29 Ceramic Companies with 52 Industry Experts participated.
To organize Science Fair 2017	Organized Science Fair 2017 : 220 Models, 170 Posters were presented. 1400 students from Kadi & Gandhinagar Campus participated in it & 4000 students from nearby academic institutes of Kadi made the visit of it.
To organize Student based Research Activities	Dr Primal Chatrabhuji Initiated Learn Chemistry project offered by Royal Society of Chemistry, Cambridge; B.Sc. Sem I & III students are enrolled in the project.
To organize students Awareness program towards Experimental Science	On 21 st Oct. 2016, Experimental Physics Stage Show by D Dr T. R. Ananthakrishnan from Kerala was organized: 122 students were benefited.
To organize Certificate Courses in Biotechnology	<p><i>Certificate Courses run by the Dept.:</i></p> <ol style="list-style-type: none"> 1) GMP-GLP Practices in Biopharmaceuticals 2) Certificate Course in Industrial Biotechnology 3) Certificate Course in Hands-on Practice in Tissue Culture 4) Certificate Course in Applied Plant Tissue Culture Techniques 5) Soil Health Card

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

1. **Micro soil testing Program**
2. **Working with Industry Program**

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

Annexure: IV – i, ii

7.4 Contribution to environmental awareness / protection

Energy conservation

- In Chemistry and Biotechnology laboratories as well as in kitchens in hostel, we are using Piped Natural Gas (PNG) as fuel which conserves energy. In institution, we are using CFL at few places like seminar hall, auditorium, and computer laboratory for and power saver tube lights at other places which conserves energy.

Use of renewable energy

- **Use of renewable source of energy for cooking fuel:** Biotechnology department 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.
- **Compost from campus agriculture-plant waste:** The agro-waste that is generated in institution premises is converted into compost. The compost prepared from this is used in gardens as source of organic nutrient.

7.5 Whether environmental audit was conducted? Yes No

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

Pramukh Swami Science and H.D.Patel Arts College is a premier education institute of the state, affiliated to Hemchandrachaya North Gujarat University, Patan. College is re-accredited 'A' grade by NAAC. College is awarded with potential for excellence by UGC first in 2010 and again after re-accreditation CPE phase II up to 2019 by UGC. College is also awarded with AAA rank-1 by Govt. of Gujarat. Institute offers 7 UG, 6 PG, 2 M.Phil and 6 Ph.D. programmes in the faculty of science and Arts. College also offers 8 certificate courses to inculcate skills for the current needs of local industries. College is having strong Institute- Industry linkages with Sun Agrigenetics Pvt., Ltd, Vadodara., Pashupati AgroGreen Industries, Kadi, Pink Vision Agrotech Ltd., Ahmedabad, Claris Life sciences Ltd., Ahmedabad, Hester Biosciences Ltd., Kadi, Intas Biopharma Ltd., Ahmedabad and Corel Pharma, Kadi. College is having advanced research laboratory with sophisticated equipments like HPLC, GC, FTIR, UV visible spectrophotometer. Apart from this, advance plant tissue culture laboratory have been developed for research in the area of tissue culture.

8. Plans of institution for next year

- Motivation of Faculty for major/minor research projects.
- Organization of FDP
- Organization of Sports Events
- Organization of NSS & NCC Events
- Organization of National level Workshop/Conference in Chemistry, Sanskrit, Gujarati, History & English.

Name : Dr Anand Vyas

Name : Dr Ajay Gor

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

_____*_*_*_____

Annexure: I

**Pramukh Swami Science & H. D. Patel Arts College, Kadi,
Affiliated to Hemchandracharya North Gujarat University, Patan, Gujarat**

Academic Calendar: 2016-17

Sr. No.	Details	Date
1	Beginning of the Academic Term	16-6-2016
2	Completion Date of the Admission Procedure	28-6-2016
3	Beginning of the Teaching Work (Semester: 1-3-5)	19-6-2016
4	Last of Submission of the Enrolment Forms of the Under-graduate & Post-graduate student of Sem. I	24-8-2016
5	Internal Examination	Completion by 30-10-2016
6	End of the First Term	26-10-2016
7	Diwali Vacation	27-10-2016 to 16-11-2016
8	Beginning of the Second Term Academic Work	22-11-2016
9	October-December Uni. Exams. (ATKT) CBCS Sem. : 1-3-5 Uni. Exams.	21-11-2015 to 04-12-2016 onwards
10	Internal Test	18-03-2016
11	March-April University Exams (ATKT & CBCS Exams.)	30-03-2016 to 30-04-2016
12	End of the Second Term	26-04-2016
13	Summer Vacation	27-04-2016 to 14-06-2016

Student's Feedback Year: 2016-17**PRAMUKH SWAMI SCIENCE & H D PATEL ARTS COLLEGE, KADI****Evaluation of the teacher by students – 2016-17
Science Faculty**

Que. No.	Department of Mathematics				Department of Chemistry				
	Dr A.S. Gor	Mr A.V. Patel	Mr A.A. Patel	Mr D.G. Patel	Mr C.V. Patel	Dr Z.F. Thakor	Dr M.C.Patel	Dr V.M.Patel	Dr P.M.Chatrabhuji
1	9.897	9.879	6.982	9.742	9.823	8.151	6.131	8.321	7.276
2	9.142	9.563	9.342	8.232	9.552	8.53	6.021	8.753	8.01
3	9.286	9.123	7.482	8.374	9.565	6.312	6.243	7.287	7.109
4	8.453	8.954	7.786	7.984	8.912	8.423	7.318	8.19	7.371
5	9.481	9.422	7.954	9.562	9.479	8.156	5.418	7.075	7.196
6	8.893	9.313	8.343	8.174	9.904	7.215	6.172	8.21	7.254
7	9.236	8.874	7.452	8.174	9.872	8.112	6.095	8.632	7.103
8	9.374	9.702	8.342	9.032	9.836	8.021	6.1	7.08	7.03
9	9.943	9.567	7.873	9.142	9.295	7.291	6.031	8.317	8.201
10	8.841	9.643	8.704	8.673	9.974	8.212	6.265	8.211	8.022
Over all	9.198	9.419	8.322	8.682	9.761867	7.793867	6.100933	7.9204	7.687533

PRAMUKH SWAMI SCIENCE & H D PATEL ARTS COLLEGE, KADI
Evaluation of the teacher by students – 2016-17
Science Faculty

Que. No	Department of Physics				Department of Biotechnology			
	Mr S.B. Patel	Mr C.A. Patel	Mr Mohit Swadia	Mr Harshad	Dr K.R. Shah	Mr Ram Suthar	Ms Rajshri Patel	Ms Gayatri Patel
1	5.200	10.000	8.200	8.800	7.81	8.3	7.27	6.1
2	6.200	10.000	8.600	8.600	8.02	8.32	7.85	6.3
3	3.400	9.600	8.400	8.400	7.08	7.87	7.94	6.65
4	4.000	10.000	8.400	9.000	7.45	7.37	7.6	6.03
5	6.000	10.000	8.200	8.600	7.38	7.94	7.7	6.37
6	4.800	9.800	8.000	8.600	8	7.77	7.8	7.72
7	4.200	9.800	8.000	9.000	7.52	7.96	6.48	6.66
8	3.400	10.000	8.000	9.400	8.1	8.55	8.1	6.92
9	5.200	10.000	10.000	9.600	7.22	8.28	8.42	6.97
10	5.200	9.200	8.800	9.200	7.3	8.14	7.66	7.9
Over all	4.76	9.84	8.46	8.92	7.44	8.15	7.85	7.61

Student's Feedback **Year: 2016-17**
PRAMUKH SWAMI SCIENCE & H D PATEL ARTS COLLEGE, KADI
Evaluation of the teacher by students – 2016-17
Arts Faculty

Sr No	Dept	Name of the Faculty	Students' Feedback Form Questionnaires										Over all Evaluati on
			1	2	3	4	5	6	7	8	9	10	
1	Sanskrit	Dr M.J.Joshi	8.21	8.61	8.9	8.82	8.79	8.91	8.89	9.31	9.53	8.16	9.092
		Dr B. H. Vankar	8.23	9.12	9.07	9.02	8.23	8.61	9.07	9.13	8.24	8.01	8.42
		Dr N. K. Patel	8.63	9.19	8.28	8.74	9.05	8.19	9.33	8.27	8.01	8.73	8.42
		Dr A. H. Vyas	8.9	8.71	8.95	9.69	8.88	8.94	9.7	9	8.93	9.65	9.42
2	History	Dr S.V. Chaudhari	8.21	8.03	8.2	7.91	8.29	8.42	8.23	8	8.31	7.8	8.08
		Dr N.J.Parikh	9.2	9.38	9.1	9.04	9.29	9.06	9.5	9.42	9.18	9.6	9.44
		Dr D.M.Patel	8.07	8.9	8.71	8.94	8.01	8.88	8.92	8.72	9.54	9.1	9.26
		Dr A.H.Vyas	9.49	9.51	8.76	9.8	9.69	9.7	8.15	9.4	9.7	9.55	9.37
3	Gujarati	Dr P.P.Patel	8.98	8.02	9.5	8.42	8.92	8.92	8.02	8.9	8.91	8.51	8.63
		Dr B.S.Patel	9.03	9.89	9.3	9.1	10	9.43	9.36	9.71	9.86	9.24	9.62
		Mr K.M.Trivedi	8.11	8.21	8.36	8.52	8	8.27	9.07	9.34	8.3	8.31	8.75
		Dr A.H.Vyas	9.45	9.82	9.51	9.08	9.19	8.9	9.76	9.27	9.69	9.44	9.39
4	English	Ms Alpa Jani	7.23	7.61	7.39	8.02	8	7.18	7.2	7.83	7.9	8.57	8.12
		Ms Kundan Makwana	7.3	7.6	8.1	7.9	8.08	7.09	8.21	7.03	7.73	8.35	7.9
		Mr Samir Pandya	8.9	8.04	8.18	8.76	8.39	8.47	8.82	8.48	8.92	8.21	8.57
		Ms Dhara Choksi	9	8.46	9.02	8.87	8.52	8.8	8.54	8.81	8.67	8.87	8.7
		Ms Devarshi Modi	8.2	8.25	8.06	8.54	8.19	8.2	8.1	8.91	8.59	9.51	9.02
		Dr A. H. Vyas	9.67	9.19	9.76	9.32	9.8	9.7	9.31	9.82	9.4	9.73	9.64

PRAMUKH SWAMI SCIENCE & H D PATEL ARTS COLLEGE, KADI
Evaluation of the teacher by students – 2014-15
Students' Feedback Form

Name of the Teacher:

Department:

No.	Attributes	Avg. score (out of 10)
1	Communication Skills (in terms of articulation and comprehensibility)	
2	Interest generated by the teacher	
3	Ability to integrate course material with environment/other issues to provide a broader perspective	
4	Ability to integrate across the courses / draw upon other courses	
5	Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate outside class discussion)	
6	Ability to design quizzes/examinations/assignments /projects to test understanding of the course	
7	Provision of sufficient timely feedback	
8	Knowledge base of the teacher	
9	Sincerity / Commitment of the teacher	
10	Overall rating	

Moderate (below 6)

Good (6-8)

Excellent (above 8)

The institute appreciates your sincere efforts and is hopeful for further improvement in concerned areas in order to enhance the overall performance of the students.

Best wishes,
 Dr. A.S. Gor
 (Principal)

Annexure : III

**Paper Publications
With Impact Factor & h index**

Sr. No.	Title	Journal	Year & Volume(No); Page	ISSN No/ Impact factor
Dr Ajay S Gor h-index: 5 i10: 4				
1	Continuous Review Inventory Model Under Fuzzy Environment Without Backorder For Deteriorating Items	International Journal of Applied Research	2016 2(3): 682-686	Continuous Review Inventory Model Under Fuzzy Environment Without Backorder For Deteriorating Items
Dr. M. C. Patel h-index: 7 i10: 6				
1	Reactive Dye Printing on Cotton with Natural and Synthetic Thickeners	<i>Int.Res. J.ofEngg and Tech</i>	2016, 3(3): 1418-1420	4.45
Dr. P. M. Chatrabhuji h-index: 1 i10:				
1	Synthesis, characterization and biological evaluation of novel 3-amino-1-(phenyl) benzo [f] quinoline-3-carbonitrile derivatives	International Journal of Chemical Studies.	Vol.-4 Iss-5 p-05-09 2016	P-ISSN2349-8528 E-ISSN 2321-4902
2	Synthesis and biological evaluation of novel 1[(4methyl cinnamoyl) amino]2-phenyl 4 aryl methine 5oxoimidazolines.	International Journal of Chemtech Applications	Vol.- Iss- p- Accepted	2319-7099

Ram chandra S. Suthar h-index: 2 Citiation: 11 Impact factor: 18.54				
1	<i>Production of trichothecene mycotoxin by Fusarium equiseti NFCCI-2157 Isolated from vascular wilt of Cumin(cuminum cyminum L.)</i>	<i>Journal of biology And nature</i>	2016	5:2,75-81
2	<i>A comparative evaluation of four DNA extraction protocols from whole blood Sample Ghaheri et al</i>	<i>Cell.Mol.Biol.</i>	2016	62(3):119-123
Rajeshri Patel				
1.	Screening of novel ascomycetes for the production of Laccase enzyme using different lignin model compounds	International Journal of Pharma and Bio Sciences	2016	Volume 7, Issue 4: 452-458
Ashwin V. Patel				
	A Mathematical Model For Fingero- Imbibition Phenomenon In a Cracked Porous Media With Magnetic Fluid	IJETES	2016 Vol.4(4), 233-243	ISSN 2348-7550

Best Practice: I

Micro Soil Testing Project:

The goal is to provide Micro soil of lands of farmers nearby Kadi town. The project under-taken by the college with direct involvement of students is intended to inform farmers regarding the health of land and the crops that will be suitable for the land. We take samples of soil and analyze it in the college laboratory to identify important soil elements (Nitrogen, Potassium and Phosphorous) present in soil and the conductance & pH of soil. A farmer with such a micro soil testing can identify which crop he should consider and how much fertilizer his land will require.

1. The Context

The Soil Health Card scheme launched by the Gujarat government to increase the agricultural productivity and crop quality is proving to be a major hit with 1.8 lakhs farmers of the state already registering for it. The practice adopted by the government would prove helpful to the farmers as well as the students.

2. Goal:

The soil health card would benefit 37 lakh farmers in the state and help them in taking major decisions about the crop and fertilizers suitable for their land.

- To increase agricultural productivity, it becomes highly necessary for a farmer to know the soil elements of his farm before farming. The fertility and productivity depend upon inherent soil elements. If the farmer comes to know the proportion of important soil elements (Nitrogen, Potassium and Phosphorous) present in soil and the conductance & pH of soil, he can identify which crop to consider and how much fertilizer the land will require. Such knowledge will lead the farmer to a large productivity of crops with optimal use of fertilizer. With a view to make the farmer aware of above mentioned facts, the Government authorities of Gujarat have stirred an ambitious project to provide a **Micro Soil Testing Report** to each farmer of all over Gujarat.

1. The Practice

- For this prolonged mission of Agricultural Development and for the programme of providing Soil Health Card to each farmer, the authorities of the State Government employed Gram Sevaks and some local agencies to collect soil samples.
- On scientific basis, these collected samples were labelled and sent to our laboratory for testing.
- The authorities of the State Government allotted the grant of Rs. 80/- per sample. This grant was useful to purchase necessary equipments and chemicals. This task was performed with the help of the staff and students.
- The collected samples were labelled and their elements: Nitrogen, Phosphorus, Potassium, etc., were tested and analyzed. The pH and Conductance of the soil samples are also measured.

Mineral nutrients are divided into two types: macronutrients and micronutrients. Macronutrients are further divided into primary and secondary. Primary nutrients are used in large quantities by plants and they include nitrogen, phosphorus and potassium. Secondary nutrients include calcium, magnesium and sulphur. Micronutrients are needed in very small amounts and they include boron, copper, iron, manganese and zinc. Having the right amount of nutrients is essential for normal plant growth and reproduction. As nutrient ions are removed from soil solution by plant absorption they are replenished from several sources. Seldom is the rate of renewal for all essential elements from untreated soil fast enough to achieve maximum crop production. To augment this removal, fertilizers are usually applied. Soil pH is one of the most important soil properties that affect the availability of nutrients and hence it was also measured. In general macronutrients tend to be less available in soils with low pH while micronutrients tend to be less available in soils with high pH. In this study, seven nutrients were analyzed. The four macronutrients analyzed include potassium, calcium nitrates and phosphates and three micronutrients zinc, iron and copper.

II. Role of Nutrients

To Plants Macronutrients Potassium have a number of structural functions in plants and animals. It keeps the cell cytoplasm levels relatively constant, assists in protein synthesis and energy metabolism. Potassium is absorbed by plants in larger amounts than any other mineral element except nitrogen and in some cases calcium. Calcium which is an essential part of plant cell wall structure provides for normal transport and retention of other elements as well as the strength in the plant. It also counteracts the effects of alkali salts and organic acids within a plant. Phosphorous occurs in soil almost entirely as phosphates (PO_4^{3-}) and resembles nitrogen in that both inorganic and organic forms are of major significance in agricultural soil. Agricultural soils usually cannot meet demand for phosphate and application of fertilizer is essential. Phosphorus is an essential part of the process of photosynthesis. It is involved in the formation of all oils, sugars and starches. It helps with the transformation of solar energy into chemical energy; proper plant maturation; withstanding stress, affects rapid growth and encourages blooming and root growth. Nitrogen in the inorganic form of (NO_3^-) is important because it is the one utilized by plants. Crop demand for this nutrient is high thus the need to apply fertilizer. Nitrogen is a part of all living cells and is a necessary part of all proteins, enzymes and metabolic processes involved in the synthesis and transfer of energy. Nitrogen is a part of chlorophyll, the green pigment of the plant that is responsible for photosynthesis. It assists plants with rapid growth, increasing seed and fruit production and improving the quality of leaf and forage crops.

Macronutrients are essential to plant growth but utilized in trace quantities. Their major role is as activators in numerous enzyme systems. Micronutrients are toxic when they are in very high levels thus they become a threat to human and animals life and cause stunted growth and poor yield in plants³. Copper is an essential micronutrient for plants and animals. It is involved in many enzyme systems of plants and animals. Iron is an essential minor nutrient for plants and animals. It is involved in chlorophyll synthesis in chloroplast. Zinc is essential for the transformation of carbohydrates. It regulates consumption of sugars. It is part of the enzyme systems which regulate plant growth.

Soil health Card Programme 2010-2016

Sr. No.	Year	Grant	Samples Analysed
1	2010-11	8,00,000/-	10000
2	2011-12	3,70,080/-	6167
3	2012-13	5,77,560/-	9168
4	2014-15	13,16,060/-	10899
5	2015-16	11,26,425/-	9795
6	2016-17	26,52,978/-	11,194
Total Grant		68,43,103/-	Total Samples: 57,223

The samples were analyzed for different physicochemical tests including pH, Carbon content, Potassium, E.C and Phosphorous. Based on these data a health card is generated.

- Macro Soil Testing project is being carried out by students of B.Sc. and M.Sc. In this program, students get remuneration as well as certificate from the government. Students get exposure and hands-on training for using different equipments for soil analysis.

5. Evidence of Success

- The college has been recognized as a Soil Testing Laboratory from Govt. of Gujarat. We tested the soil of our Goushala (Cowshed) Farm where we have planted Wheat. After soil analysis we came to know that the soil contains high Potassium and moderate Nitrogen and Phosphorus. So, according to the Soil Health Card we recommended to our farmers to avoid the use of potash fertilizer in the farm for Wheat crop. After following our instruction, Gaushala (Cowshed) farmers found an increase in the yield of wheat as compared with previous years. Apart from this, it reduced the wastage of fertilizer and helped in limited use of Nitrogen and Phosphorus fertilizer. We also gave instruction to use organic compost which helps in balancing the mineral elements essential for plant growth.

Conclusion:

- As per the soil analysis report, we reduced the use of chemical fertilizer cost by 21.34% per hectare which resulted in a 15.38% increase in the production and 20.12% increase in the net Income from the wheat crop sown /hectare in the Gaushala farm (Cow-house).

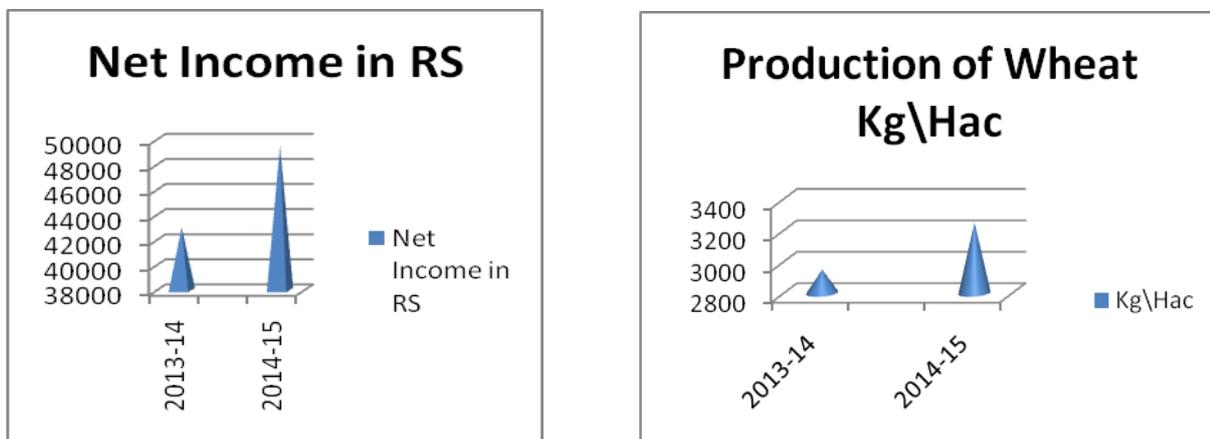


Figure 1 Net Income and Production of Wheat

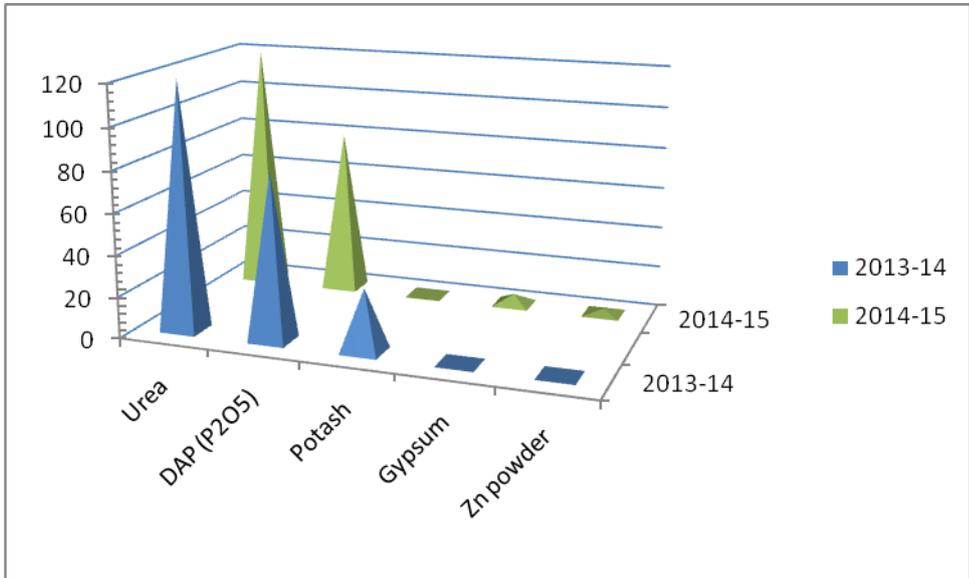


Figure 2 Fertilizer Used for Wheat Production

2. Best Practice:

Working with Industry Program

Kadi : The Hub of Industries:

Opportunities

- **Textile Sector:**

- Kadi is known as Asia's largest hub for Cotton & Oil industries.
- Around 300 Cotton & Oil industries within 5 kms radius.
- Gujarat producing 35% cotton of the national average product.
- Kadi is also the export hub of Cotton-bales as 15% cotton-bales (of the national average) have been exported from Kadi

- **Pharmaceutical Sector :**

- Over last few years, Gujarat's contribution in the growth of India's Pharmaceutical Industry has been significant.
- The state commands 42% share of India's Pharmaceutical turn over and 22% share of exports.
- There are currently approximately 3,500 drug manufacturing units in Guj.
- The major drug manufacturing units, pharma. Industrial, contract research organization in Pharma Industry etc are situated in Ahmedabad-Kadi GIDC corridor.

- **Agriculture Sector :**

- Kadi is a centre of North Gujarat where Farming is a traditional occupation for people.
- Besides traditional farming of cereals and pulses people are doing farming of spices and other crops like tomato, lemon, castor oil seeds.

- **Ceramic Sector :**

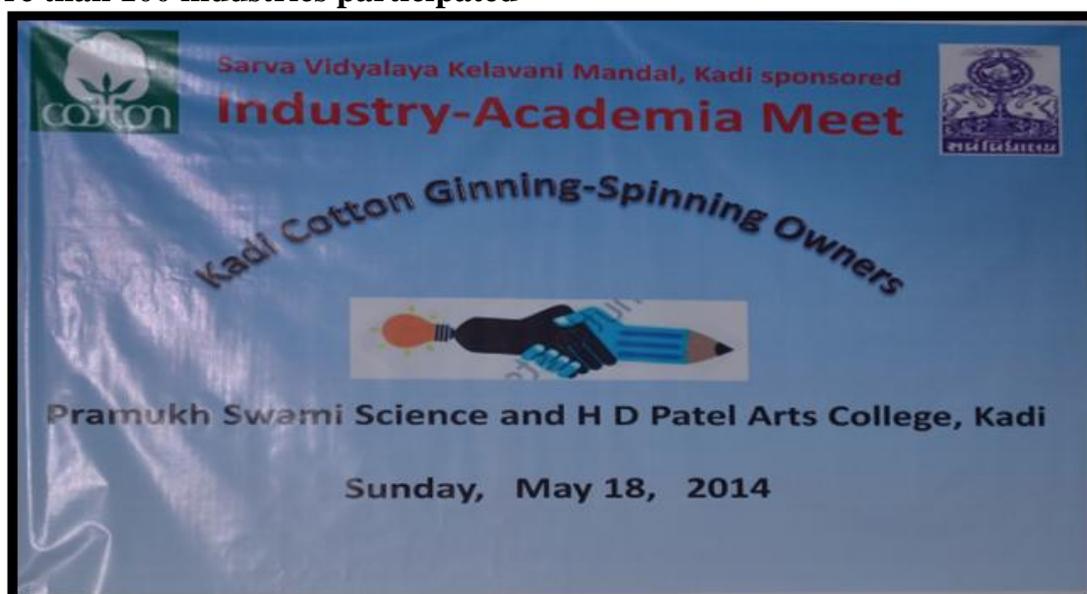
- India is world number 3 in Ceramic industries with production of 750 million sq.mtr. Ceramic products.
- Gujarat is Nation's largest hub for Ceramic industries sharing 70% of national ceramic production.
- There are around 20 ceramic industries around Kadi region including multinational Companies like Cera Sanitary wares Ltd. and Somany Ceramics Ltd. with more than 1000 crores of annual turnover.

- Introduction of B.Voc. in Textile and Ginning Technology
B.Voc. in Pharmaceutical Chemistry
- Introduction of C.C. in Textile and Ginning Technology
C.C. in Agriculture and Soil Sciences
C.C. in Ceramic Technology

- **4 Industry-Academia Meets Organized:**

1st : Industry Academia Meet on Textile-Ginning Technology

- **More than 100 industries participated**



2nd : Industry Academia Meet on Pharmaceutical Chemistry

- More than 70 industries participated



3rd : Industry Academia Meet on Agriculture & Soil Sciences

- More than 35 industries participated





4th : Industry Academia Meet on Ceramic Technology

- More than 32 industries participated



Identification of the “Skill Gap Requirements of the Industries”:

1st :Textile-Ginning Technology

- Operation of ginning industry equipments
- Analysis of cotton raw material
- Finished product analysis
- Electrification of industry
- Repair of equipments
- Maintenance of equipments
- Inspection & testing of machine tools
- Use of latest casting welding technology
- Advanced machine tool designing by CAD & CAM

2nd : Pharmaceutical Chemistry:

- Learning the basic sciences related to Pharmaceutical Chemistry
- Analysis of the marketed drugs qualitatively & quantitatively
- Synthesis of Drug intermediates of Drug-impurities
- Operation of instruments related to Pharmaceutical Industry.
- Method Development & validation
- Good Laboratory Practice & Good Manufacturing practice
- Phytochemistry
- Microbial analysis
- Tablet and capsule machine operator

3rd : Agriculture & Soil Sciences

- Use of latest agri. Technology
- Application of Micro irrigation techniques & maintenance
- Lack of interest towards traditional farming
- Lack of Knowledge of advance agro. Technologies
- Soil analysis, conservation & utilization for business in agri. Sector
- Tissue Cultured Farming Technologies
- Organic Farming & Cash crops production.
- Hands-on practices for operation of latest farm machinery & its maintenance
- Lack of expertise for food processing techniques.

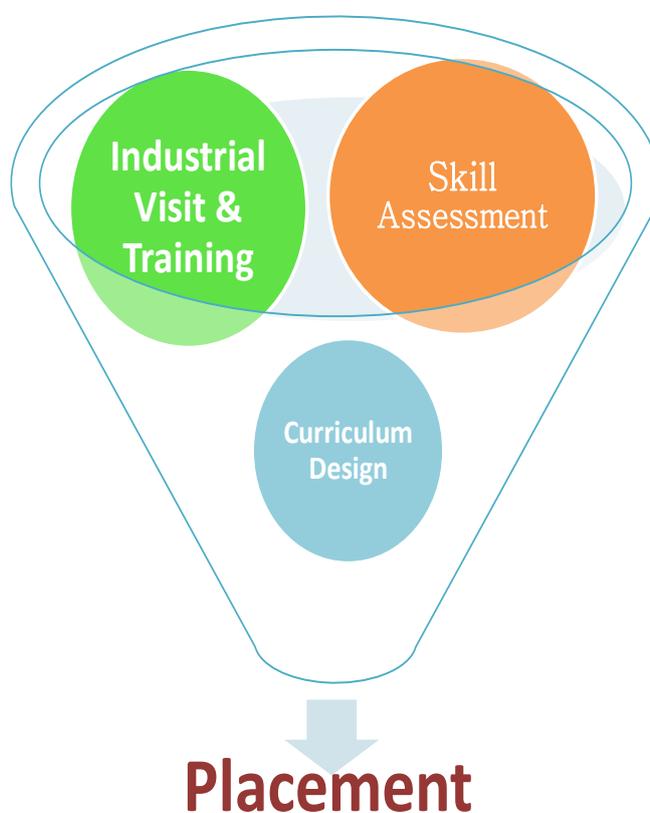
4th : Ceramic Technology

- Know-how of the raw materials & finished products.
- Forming & finishing ceramic products
- Drying & Glazing process
- Casting
- Moulds making

Strong Industrial Linkage

- Strong industrial linkages with more than 44 industries for skill based programs.....
- 16 Cotton-ginning & spinning industries
- 11 pharmaceutical industries
- 8 agriculture industries
- 4 ceramic industries

Role of Industry



Students' Enrichment Programs:

Industrial Visits and Trainings & Industrial Experts' Lectures:

1. Textile and Ginning Technology Program:

As an expert:

Sr.No	Role of Industrial Representative (Theory)			
	Name of Industry	Name of Industry Representative	Designation	Lecture /Practical Title
1	L.D. College Of Engineering	Prof. A. I. Thakkar	HOD (Textile Technology)	Physical Testing Laboratory
2	VivekanandCotspin LLP	Mr. Nayan Nayi	HR Head	Personality Development
3	Pashupati Cotspin LLP	Mr. G. G. Patel	QC Head	Parameters affecting Yarn C.V. % and Yarn Imperfections and Hank
4	Ambika Cotseeds Ltd.	Mr. Darshan Patel	Export Manager	Export Quality Criteria for Cotton Bales
5	Vivekanand Cotspin LLP	Mr. Bharat Thakar	Production & Maintenance Manager	Spinning Production Planning and Calculation
6	Vivekanand Industries	Mr. Nirav B. Patel	Head (Export Division)	Yarn Export Market Quality Parameters
7	Arvind LTD	Mr. Binkal Patel	Head Team lease program	Skill Development for Spinning
8	Vivekanand Industries	Mr. Gautam B. Patel	Maintenance Head	Ginning Maintenance

Industrial Training:

49 students have taken industrial training during the first year of their study. During industrial training, students have learned skills of testing of cotton properties, cleaning efficiency of blow room and carding, Neps reduction at carding, short fibre removal % at combing in spinning, waste level at blow room and carding and Testing of yarn properties.

Bachelor of Vocation					
Sr. No.	Name Of Student	Industry where training carried out	Duration	Objective	Industry Guide
1	Patel Jaydipchandra Bharatbhai	Vaibhavluxmi Spinning Mills Limited	September, 2016	Operational training at all types of Spinning Machineries	Mr. Bharat Patel (H.R. Head) Mr. Niranjan Patel (Partner)
2	Patel Niravkumar Pankajbhai				
3	Raval Maheshbhai Kalabhai				
4	Sathavara Himanshukumar Dashrathbhai				
5	Solanki Mahobatsinh Bharatsinh				
6	Thakor Chamanji Babuji				
7	Thakor Sanjaykumar Babuji				
8	Yogi Vipulkumar Shaileshbhai				
9	Parmar Rahulsinh Bhikhusinh	Vivekanand Cotspin LLP	June, 2016	Erection of Spinning Machinery	Mr. Ashish Chkrobrty (GM-Spinning Plant)
10	Jadav Vipulbhai Natubhai				
11	Patel Jaykumar Maheshbhai				
12	Prajapati Ketan Jayantibhai				
13	Thakor Nareshji Natuji				
14	Raval Jayeshbhai Babubhai				

Community college

Sr. No.	Name of Student	Industry where training carried out	Duration	Objective	Industry Guide
1	Chavada Jayeshkumar Talshibhai	Vivekanand Cotspin LLP	June, 2016	Erection of Spinning Machinery	Mr. Ashish Chakraborty
2	Patel Dhavalkumar Kiritbhai				
3	Patel Shahilkumar Rasikbhai				
4	Patel Vishalkumar Pankajbhai				
5	Chauhan Bhagvatikumar Amratlal				
6	Patel Bhaveshkumar Ratilal				
7	Patel Jayantibhai Kanubhai				
8	Patel Jaykumar Kanubhai				
9	Patel Shrutkumar Manishbhai				
10	Prajapati Manthankumar Narendrabhai				
11	Raval Rohitkumar Rameshbhai				
12	Suthar Maulik Chandrakantbhai				
13	Thakor Alpeshbhai Shivaji	Vaibhavlaxmi Spinning Mills Limited	September, 2016	Operational training at all types of Spinning Machineries	Mr. Bharat Patel (H.R. Head) Mr. Niranjan Patel (Partner)
14	Thakor Kishanji Pravinji				
15	Thakor Nayanji Shakaraji				
16	Thakor Shivaji Kadavaji				
20	Patel Upendrakumar Anilbhai				
21	Patel Vishalkumar Pankajbhai				
22	Nayee Vishalkumar Amrutbhai				

❖ Pharmaceutical Chemistry:

As an expert:

Sr. No.	Name of Industry	Name of Expert	Designation	Topic Covered
1	Corel Pharmachem Pvt. Ltd., Kadi	Mr. S.G. Prajapati	General Manager, Plant	Laboratory Safety Hazards
2		Mr. Parishrut P. Patel	Manager, Production	Batch Manufacturing Report
3		Mr. Tapan S. Patel	Manager, QC/QA	Standardization of Chemicals
4		Mr. Arvind G. Patel	Production Incharge	Different Pharmaceutical Buffers
5	Kayvee Aeropharma Pvt. Ltd., Kadi	Mr. Bhuvan Shah	Director	Good Manufacturing Practice
6		Mr. Chetan N. Shukla	Manager, Production	Production Batch Planning
7		Mr. Bipin J. Patel	Production Incharge	Dispatch & Packing of product
8		Mr. Jigrish B. Bhatt	Manager, QC	Different Concentration of Solutions
9	Amneal Pharmaceuticals Pvt. Ltd., Ahmedabad	Mr. Paresh Trivedi	Assistant Manager, ARL	Analytical Weighing Balance Calibration
10	Torrent Pharmaceuticals Pvt. Ltd., Chhatral	Mr. Mihir Jani	Sr. Executive, QC	pH Meter Calibration

Industrial Training:

Industrial Training: 20 students have taken training during their first year study. During the training, students have learned skills of Laboratory Safety & Hazards, Standardization of Chemicals, and Calibration of Analytical Weighing Balance and also learned working in the Production unit & QC Laboratory of the Industry.

Industrial Visits of Pharmaceutical Chemistry students:

Sr. No.	Name of Industry	Total No. of Visit	Technical Aspects of Visit
1	Corel Pharma Chem, Kadi	3	Production and QA ,QC Work
2	Kayvee aeropharm Pvt.Ltd., Kadi	1	Production and QA ,QC Work
3	Gayatri Pharma, Ahmedabad	1	Ayurvedik formulation and testing
4	Tuton Pharmaceuticals, Ahmedabad	1	Production of all the dosage form and instrument used for analysis
5	Zydus cadila health care, Ahmedabad	1	Production of all the dosage form and instrument used for analysis and documentation in industry
6	Abaris health care, Rajpur, kadi	1	Production of LVP and QC TESTING

Industrial Trainings of Pharmaceutical Chemistry students:

Sr. No.	Name of Industry	Total No. of Days	Technical Aspects of Training	No. of Students benefitted
1	Corel Pharma Chem, Kadi	11	Practical purpose	11
		3	HPLC,GC Instrument operation	21
2	Kayvee Aeropharm Pvt. Ltd., Kadi	11	Practical purpose	11

❖ Agriculture and Soil Sciences

As an expert:

Sr. No	Name	Designation	Institute/ Academy	Area of Topic	Date	No. of Hours
1	Dr. B. K Davda	Ass. Research Scientist	NAU	Plant Breeding	18/12/2017	2
2	Dr N.R Patel	Technical officer	Jagudan Spices Research Sttation	Plant Pathology	18/12/2017	2
3	Dr. Anand Bhadalkar	Sector specialist	GSBTM	Biotechnology and Agriculture	18/12/2017	

4	Dr. S. A Bhatt	Head of Life Science	HNGU	Agriculture and Soil Microbiology	18/12/2017	2
5	Dr. Sharad Soni	Senior Scientist	KVK	Agriculture	18/12/2017	2
6	Dr. Ujval Trivedi	Associate Professor.	Department of Biosciences, S.P University	Soil Microbiology	18/12/2017	2
7	Dr. A.U Amin	Head and Ass. Research Scientist	Jagudan Spices Research Sttation	Agronomy	18/12/2017	2
8	Dr. Piyush Vyas	Assistant Professor.	HNGU	Agricultural chemistry	18/12/2017	
9	Dr. Viral Patel	Assistant Professor.	Nootan Sciene College	Agriculture Biotechnology	18/12/2017	2
10	Dr. S.R Dave	Department of Life Science	Gujarat University	Agricultural microbiology	18/12/2017	2
11	Dr. Vipul Chaturvedi	M.D	Innovative Ecocare Pvt LtD	Certified Organic Farming product	18/12/2017	2

Industrial Training: 17 students have taken training during their first year study. During the training, students have learned skills for Basics of seed technology, its breeding and marketing, organic farming and Plant tissue culture technique.

No.	Name of Industry	Name of students	No of days of training	LEARNING OUTCOME
1	SANDVIK	Patel Hiren(IV) Patel Meet (IV)	60 DAYS	PLANTATION OF CROPSFOR BLACK FOREST
2	PSSHDA MICRONUTRIENT LAB	Patel Hiren(IV) Patel Meet (IV) Patel Dushyant (IV)	30 DAYS	SOIL TESTING

Industrial VISITS of Agriculture & Soil Sciences students:

Visit details 2016-2017				
Sr No.	Date of visit	Place of Visit	Attendees	Learning Outcome
1	8th & 9th September 2016	VISIT AT JAGUDAN SPICES RESEARCH STATION	50 students	PLANT PATHOLOGY AND SEED SPICES RESEARCH
2	5/10/2016	VISIT AT SANSOLI SEED RESEARCH STATION	50 students	Seed production technology
3	22/2/2017	BIOGENE AGRITECH	27 STUDENTS	HYBRID SEED PRODUCTION
4	22/2/2017	BALTARU NURSERY	27 STUDENTS	APPLIED HORTICULTURE
5	28/2/2017	DANTIWADA AGRICULTURE UNIVERSITY	28 STUDENTS	ENTOMOLOGY, DRY FARMING , SOIL SCIECNC E AND ORGANIC FARMING

Ceramic Technology

Expert lecture in Ceramic Technology department:

Mr. Jainil Patel	13/9/2016	Importance of the glaze for ceramic product	28
Mr. Maulik Patel	20/9/2016	Atomization in ceramic industries	25
Mr. Sandeep Shing	27/9/2016	Raw Material and production in ceramic industries	26
Mr. Sanjay Prajapati	16/11/2016	Teach Do/Don't In sleep/ mill house Department	28
Mr. Kiran Patel	23/11/2016	Introduction about advanced thermal ceramic product	28
Mr. Mithilesh Jhan	23/12/2016	Communication skill and Personality development	28
Mr. Sanjeevi	23/12/2016	Brief history of ceramic industry (Murugappa morgan thermal ceramic limited)	28

Industrial Visits of Ceramic Technology students:

Sr. No.	Name of Industry	Total No. of Visit	Technical Aspects of Visit
1	CERA Sanitary ware Ltd.	3	Raw Material, Research & Development, Slip House & Mill House, Molding and Casting, Green House, Quality Control and ETP (Effluent Treatment Plant)

Industrial Trainings of Ceramic Technology students:

Sr. No.	Name of Industry	Total No. of Days	Technical Aspects of Training	No. of Students benefitted
1	CERA Sanitary ware Ltd.	2	Research & Development	29
		1	Raw Material	
		2	Slip House & Mill House	
		2	Moulding	
		1	Casting	
		2	Green House	
		1	Quality Control	
		1	ETP (Effluent Treatment Plant)	

Sr. No.	Name of Industry	Total No. of Days	Technical Aspects of Training	No. of Students benefitted
1	CERA Sanitary ware Ltd.	1	Research & Development	29
		1	Raw Material	
		1	Slip House & Mill House	
		1	Moulding	

		1	Casting	
		4 HR	Quality Control	
		4 HR	ETP (Effluent Treatment Plant)	

Industrial Visits of Ceramic Technology students (2016/2017):

Cera Sanitaryware Ltd.	32	20	28/06/2016	4	Process of sanitary ware production
Swastik Cerakon Limited	32	35	15/7/2016	4	Process of tiles production
Cera Sanitaryware Ltd.	32	26	9/8/2016	4	Process of various department of sanitary ware production
Somany ceramic limited	32	28	23/08/2016	4	Learned process of Raw material, and pressing department.
Italiya ceramic pvt. Limited.	32	26	5/9/2016	4	Process of tiles production
Ajita Ceramic Pvt. Ltd.	32	28	10/9/2016	4	Process of tiles production
Cera Sanitaryware Ltd.	32	28	12/12/2016	4	Learned process of Raw material, casting, moulding departments
Murugappa morgan thermal ceramic limited	32	15	9/1/2017	4	Learned advanced ceramic product production
Murugappa morgan thermal ceramic limited	32	15	10/1/2017	4	Learned advanced ceramic product production
Somany Ceramic Ltd.	32	25	25/2/2017	4	Process of tiles production
GMDC Cermic Fair	32	22	1/3/2017	4	To know about Advanced technology of ceramic world

Three Tier Assessments:

- Level 1: Evaluation at Institute level
- Level 2: Evaluation at University level by inviting an industry representative as an examiner
- Level 3: At National level by Sector Skill Council

Evaluation by Industry Representative:

Textile and Ginning Technology			
Name of Industry	Name of Industry Representative	Designation	Examiner
Vivekanand Industries	Mr. Gautam B. Patel	Maintenance Head	Theory Examiner in Seed Cotton Processing
Vivekanand Industries	Mr. Nirav B. Patel	Head (Export Division)	Theory Examiner in Ginning Technology-I
Pashupati Cotspin LLP	Mr. G. G. Patel	QC Head	Theory Examiner in Spinning Process-II
Arvind Limited, Santej	Mr. A. N. Vare	Production Incharge	Theory Examiner in Spinning Process- I, Spinning Machinery- I, Spinning Process- II and Practical Examiner in Spinning Practice (TGT 205)
Pharmaceutical Chemistry			
Name of Industry	Name of Industry Representative	Designation	Examiner
Amneal Pharmaceuticals Ltd.	Mr.Paresh Trivedi	Assistant Manager, ARL	Practical Examination
Torrent Pharma	Mr. Mihir Jani	Sr. Executive, QC	Practical Examination
Agriculture and Soil Sciences			
Name of Industry	Name of Industry Representative	Designation	Examiner
Green Field Biotech	Mr.Vishal Oza	Owner	Practical Examination
Chlorophyll Biotech	Mr.Jimmesh Patel	Owner	Practical Examination

Overall Placement Data (2016-17) :

1. Textile & Ginning Technology : 91.10 %
2. Pharmaceutical Chemistry : 53%
3. Agriculture & Soil Sciences : 60%
4. Ceramic Technology : 100%

- 10% students of Pharmaceutical Chemistry opted start-up
- 30% students from Agriculture & Soil Sciences chose to become an Agripreneur.

Placement:

After completion of study of first year, 14 students have been placed in industries.

Textile and Ginning Technology					
Sr. No.	Name of Student Placed	Name of Industry	Designation	Job Role	Salary (p.m.)
1	Patel Niravkumar Pankajbhai	Vivekanand Industries, Kadi (Community College)	Fitter	Maintenance of Double roller gin	7000 p. m.
2	Solanki Dilipsinh Kirtisinh		QC Lab Assistant	Testing of different properties of raw cotton and cotton bales	7000 p. m.
3	Jadav Vipulbhai Natubhai		Fitter	Maintenance of Double roller gin	7000 p. m.

4	Prajapati Ketan Jayantibhai		QC Lab Assistant	Testing of different properties of raw cotton and cotton bales	7000 p. m.
5	Thakar Ankitkumar Manubhai	Vivekanand Industries, Kadi (Bachelor of Vocation)	Fitter	Maintenance of Double roller gin	7000 p.m.
6	Vyas Mayurbhai Harikrushna		QC Lab Assistant	Testing of different properties of raw cotton and cotton bales	7000 p. m.

Pharmaceutical Chemistry

Sr. No.	Name of Student Placed	Name of Industry	Designation	Job Role	Salary (p.m.)
1	Zinalbahen Jadavajibhai Nayi	Corel Pharmachem Pvt. Ltd., Kadi	QC Chemist	Raw and Finished Sample Testing	9,000 p.m.
2	Niralee Bharatbhai Patel		QC Chemist	Raw and Finished Sample Testing	9,000 p.m.
3	Kajal Rameshbhai Prajapati		QC Chemist	Raw and Finished Sample Testing	9,000 p.m.
4	Asmitaben Amrutbhai Patel	Kayvee Aeropharma Pvt. Ltd., Kadi	QC Chemist	Raw Material and Finished Formulation Sample Analysis	6,000 p.m.
5	Pratikkumar Vishnubhai Patel		Production Chemist	Routine Production of Formulation	8,000 p.m.

Agriculture and Soil Sciences

No	Name	Present status	Working place	salary
1	Patel Nirav K	Marketting executive	Agrostar PVT LTD	12000/-
2	Patel Prashant	Gram sevak(Government job)	Kadi	20,000/
3	Patel Vasant	Technical assistant	TATA Chemicals, KADI	10,000/-
4	Rabar Nikul B	Gram sevak(Government job)	Agrostar PVT LTD	20,000/

5	Patekl Khyati	Supervisor, Deep Kiran	Dantali	8,000
6	Patel Nitin	Field Assistant, Indofil pvt ltd	Kadi	8,000
7	Patel Hiren	Marketing executive	Agrostar PVT LTD	12000/-
8	Patel Meet	Marketing executive	Agrostar PVT LTD	12000/-
9	Patel Rashmika	Marketing executive	Agrostar PVT LTD	12000/-
10	Patel Kajal	Marketing executive	Agrostar PVT LTD	12000/-
11	Sadhu Alpa	Marketing executive	Agrostar PVT LTD	12000/-
12	Prajapati Arti	Marketing executive	Agrostar PVT LTD	12000/-
13	Patel Smruti	Marketing executive	Agrostar PVT LTD	12000/-
14	Patel Dipika	Marketing executive	Agrostar PVT LTD	12000/-
15	Nayi Jitendra	Marketing executive	Agrostar PVT LTD	12000/-

After completion of study of Bachelor of Vocation Programme, 30 students out of 34 students have been placed in various Ginning and Spinning industries.

Textile and Ginning Technology

Sr. No.	Name of Student Placed	Name of Industry	Designation	Job Role	Salary (P.M.)
1	Patel Niravkumar Pankajbhai	Vivekanand Industries, Kadi (Community College)	Fitter	Maintenance of Double Roller Gin	7000 P. M.
2	Bava Dharmendrapuri Babupuri	Umiya Cotton Industries	Supervisor	Supervision of Ginning Production and Realization	Rs. 7000/-
3	Jadav Vipulbhai Natubhai	Vivekanand Cotspin Llp	Trainee Supervisor	Spinning Production and Yarn Testing	Rs. 6000/-
4	Patel Ankit Narendrabhai	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-
5	Patel Chiragkumar Dineshbhai	Santoshi Enterprises	Oil Mill Supervisor	Oil Mill Management	Rs. 17800/-
6	Patel Jaydipchandra Bharatbhai	Mahavir Enterprises Pvt. Ltd.	Owner	Electrical Wire and Cable Contractor	Rs. 30000/-
7	Patel Mehulkumar Bharatbhai	Vivekanand Cotspin Llp	Trainee Supervisor	Spinning Production and Yarn Testing	Rs. 6000/-
8	Patel Niravkumar Pankajbhai	Vivekanand Industries, Kadi	Fitter	Maintenance of Double Roller Gin	Rs. 7000 /-
9	Patel Pratikshkumar Rajeshbhai	N.K.Industries Ltd.	Oil Mill Supervisor	Oil Mill Management	Rs. 17800/-
10	Patel Rohitkumar Ratilal	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-

11	Prajapati Amaratkumar Mansukhbhai	Nilkamal Spinning Products	Supervisor	Spinning Production Management	Rs. 12000/-
11	Prajapati Chiragkumar Prahadbhai	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-
12	Prajapati Ketan Jayantibhai	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-
13	Raval Jayeshbhai Babubhai	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-
14	Raval Maheshbhai Kalabhai	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-
15	Raval Vishnukumar Kalubhai	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-
16	Sadhu Jigarkumar Mahendrabhai	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-
17	Sathavara Himanshukumar Dashrathbhai	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-
18	Solanki Dilipsinh Kirtisinh	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-
19	Solanki Mahobatsinh Bharatsinh	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-
20	Solanki Vipulkumar Bhavubha	Vivekanand Cotspin Llp	Shift Incharge	Spinning Production and Shift Handling	Rs. 10000/-

21	Thakar Ankitkumar Manubhai	Vivekanand Cotspin Llp	SQC Investigator	Fibre and Yarn Testing , Party Lot Inspection	Rs. 10000/-
22	Thakor Chamanji Babuji	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-
23	Thakor Sanjaykumar Babuji	Vivekanand Cotspin Llp	Packing Supervisor	Maintain the Stocks of Final Product and Dispatch Process	Rs. 6000/-
24	Vyas Mayurbhai Harikrushna	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-
25	Yogi Vipulkumar Shaileshbhai	Pashupati Cotspin LLP	Shift Incharge	Spinning Production and Shift Handling	Rs. 8000/-
26	Patel Parthkumar Baldevbhai	Vivekanand Cotspin Llp	SQC Investigator	Fibre and Yarn Testing , Party Lot Inspection	Rs. 8600/-
27	Shah Achal Rajmal	Pashupati Cotspin LLP	SQC Investigator	Fibre and Yarn Testing , Party Lot Inspection	Rs. 7000/-
28	Parmar Rahulsinh Bhikhusinh	Ambika Ploysacks	Loom Machine Fitter	Maintenance of Looms Machinery	Rs. 10000/-
29	Thakor Nareshji Natuji	Indian Comodities	Co-lateral Manager	Stock Management	Rs. 8000/-
30	Solanki Harichandrasinh Vanrajsinh	Arvind Limited	First Line Manager	Operation of Spinning Machinery	Rs. 8000/-

List of Industry – Academia MOUs

1	Pashupati Agro Green Industries, Kadi
2	Corel Pharma Chem.Ahmedabad
3	Shree Ganesh Oil Mill and Ginning Factory, Kadi
4	D. Raja Cotton Pvt. Ltd., Kadi,
5	Pashupati Cotspin LLP for establishing an Institute - Industry linkage, Kadi
6	Janki Industries, Kadi
7	Shiv Shakti Ginning & Pressing Factory
8	Jagdish Cotton Industries, Kadi
9	Tirupati (Guj) Cot Spin Limited, Chhatral
10	Tirupati Balaji Cot Fab Pvt.Ltd, Chhatral
11	Pink Vision Agro.Tech Gandhinagar
12	Mr.Ashutosh Mhaskar, Director, Designer, Writer
13	Mr.Hardik Thakkar , Exeucitive Producer, Mumbai.
14	Greenfield Biotech, Adalaj, Gandhinagar.
15	Gujarat Hybrid Seeds, Ahmedabad
16	Sejasmi Industries (India) Pvt.Ltd.
17	Kayvee Aeropharma Pvt.Ltd. Kadi
18	West Coast Pharmaceuticals Ltd., Ahmedabad
19	Lincoln Pharmaceuticals Ltd., Khatraj
20	Krishi Vigyan Kendra, Ganpat Vidyanagar ,Kherva
21	National Engineering Works, Ahmedabad
22	President (Works), Cera Sanitary Ware Ltd.Kadi
23	Vice President CP Fittings, Cera Sanitary Ware Ltd.Kadi
24	Pranam HVAC Engineering Pvt.Ltd., Ahmedabad.
25	Somany Ceramics Ltd.
26	Hitachi Home & Life Solutions (India) Limited, Kadi
27	Pranam Technologies , Ahmedabad
28	Bahhauddin Science College, Junagadh.
29	Shri U.P.Arts,Smt.M.G.Panchal Science and Shri V.L.Shah Commerce College, Pilvai
30	M.G.Science Institue , Dadasaheb Mavalnker Camus, Navrangpura, Ahmedabad -9
31	V.P. & R.P.T.P.Science College, Vallabh Vidyanagar-388120
32	Sheth M.N.Science College, Patan (N.G.) 384265
33	Green Cloud Soft PVT Ltd, Gandhinagar
34	Peach Technovations Private Limited,Gandhinagar
35	Hotel Planet, Kalol
36	Hotel Krsna Lila –Khoda, Ahmedabad
37	Panoramic Holidays Limited, Ahmedabad
38	Saffrony Holiday Resort (Saffrony Club Pvt.Ltd.), Mehsana
39	Labdhi Business Solutions, Ahmedabad
40	Pcube Softech, Ahmedabad
41	Yudiz Solutions Pvt.Ltd., Ahmedabad
42	Arman Technology, Ahmedabad
43	Vivekanand Group of Industries, Kadi