SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

THE HNSB.LTD. SCIENCE COLLEGE

COLLEGE CAMPUS, MOTIPURA, NH-8
383001
www.hnsbscihmt.org

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

November 2019

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The HNSB. Ltd. Science College is promoted and managed by the Himatnagar Kelavani Mandal it was founded in 1993. Himatnagar Kelavani Mandal was started with unique vision to build a brilliant generation next. As of today, the Mandal has grown in size and spread into three branches of School, PTC college, Law college, Pharmacy college, Arts and Commerce college, BBA college and Science college from where more than 5000 students gain quality education. The H.N.S.B. Ltd Science College was the first institution to be set up in 1993 in the Himatnagar city. Today, it is one of the youngest and premier Science College of the Sabarkantha district. College is approved by the Government of Gujarat and is affiliated to the Hemchandracharya North Gujarat University, Patan to conduct job oriented UG & PG Programmes. It offers 03 under graduate and 02 post graduate programmes in the Chemistry, Microbiology and Botany subjects. The campus is spread in about 22.27acres. The institution has around 1100 students taking best quality education and excels in their disciplines.

Vision

- To see the youth in their pursuit of excellence, approach lives scientifically, behave morally and shoulder duties and responsibility towards the making of the state and nation.
- To equip every science graduate and post graduate with skills of practical use.

Mission

- To see the youth in their pursuit of excellence, approach lives scientifically, behave morally and shoulder duties and responsibility towards the making of the state and nation.
- To equip every science graduate and post graduate with skills of practical use.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Governed by proactive and vision management.
- Qualified, competent and experienced staff.
- More than 72% of Ph.D. staff.
- Student's strength on ascending orders.
- An institute with no partiality of cast, creed and religion.
- Employability opportunity for students through UDISHA.
- Ragging and Sexual harassments free campus.
- Strong liaison with industry and institution.
- Strong and positive relationship among all stake holders.
- Learning environment for the students with add on courses, internship, project work, field project and training programmes.

Institutional Weakness

- Less flexibility for designing and implementation of academic curriculum.
- Limited number of modern courses and programmes.
- Lack of sufficient research projects grants from funding agency like UGC, DST etc.
- Inadequate research laboratory and facilities for faculty members and students.
- No facility of smart classrooms and computer centre.
- Students and faculty exchange programmes still at primary stage.

Institutional Opportunity

- Establishment of incubation centre and start up programmes.
- Modernization of classroom with ICT facilities.
- Making Wi-Fi enable college campus.
- Replacing conventional energy with solar energy as a green initiatives
- Opportunity to get UGC-CPE and DST-FIST schemes for college development.

Institutional Challenge

- Increasing positive attitude towards English among students.
- Increasing awareness about MOOC, SWAYAM, among faculties and students.
- Complete digitalization of the library.
- To encourage students for entrepreneurship.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The HNSB Ltd Science College is affiliated to Hemchandra Acharya North Gujarat University, Patan. The curriculum of all the courses is designed by the BOS and the same is executed at college level. The college offers three UG programmes, two PG programmes and Ph.D. facility in four departments. For effective curriculum delivery and quality education, the academic calendar, which consists of curricular, co curricular and extracurricular activities, is generally followed. The college has introduced 14 certificate and value added courses in the last five years. Choice Based Credit System, subjective elective and generic courses helped the institution in providing academic flexibility to the students. Botany programme was introduced from 2017-2018. Internship, field projects, training, project work, problem solving, seminar and industrial visits also receive emphasis in dealing with the curricular aspects.

The institute collects feedback from different stakeholders and the outcome of feedback is implemented to enhance academic and administrative system.

The College in keeping with the vision frames its programmes that are developed with relevance to local,

regional, national and global needs so as to make students employable and to meet the current requirements of the industry.

Teaching-learning and Evaluation

Teaching-Learning Process:

All the departments of the institute synchronize their teaching learning curriculum as per the academic calendar issues by the institute. Teaching-Learning process is effectively implemented by our well qualified faculties. Average percentage of full time teachers with Ph.D. is about 72%. Our two faculties Dr. S. S. Andher and Dr. M. N. Parmar are GPSC qualified and one faculty Ms Sejal Jadav is NET qualified. All faculties are busy to serve at best level teaching to the learners to achieve academic excellence and hence in the academic year 2018-19, our two students are awarded by GOLD medals from HNGU. The ICT methodologies are adopted by the faculties to make teaching learning process more effective and inventive. The teaching learning process is being student centric. Academic flexibility is achieved by offering various elective during curriculum and industry is achieved by conducting certificate courses, value added courses, class seminars, project work, problem solving, and hands on training, internship, quiz, guest lectures, industrial visits and assignment methods.

Evaluation Process:

The institute adheres to the academic calendar. Continuous internal evaluation is being implemented by the institute from the academic year 2018-2019 in the UG. Mechanism of internal evaluation is transparent and effective in terms of frequency and variety. Robustness and transparency are observed in the ESE. The college results have always been higher than the university results.

The college has designed the COs, POs and PSOs and hosted in the display boards and website.

Research, Innovations and Extension

All the faculties and students are motivated and promoted for research attitude and for extension activities.

Faculty Contribution:

At present, 11 faculty members are working as research guides for Ph.D. students, and 7 research scholars who successfully got Ph.D. degree under the guidance of our faculty members in the last five years. Publication of research work has resulted in appearance of over 91 research papers in different journal of the national and international reputed. 27 books are published at national and international level. One state level and one national level seminar are organized by chemistry and library department for promoting research and innovation activities. One patent is filed by Dr Z. M. Gadhawala in the subject of chemistry. At present 27 research papers are presented at international level, 60 are presented at national level and 44 research papers are presented at state level seminars/conferences by the faculty members.

Student's Contribution:

Our PG department promotes innovation activity among PG students through project work programme. Under

the programme student work in groups, prepare and project their research work in the state, national and international conferences as well as in research journals and got awards. At present 04 students have presented their research work and posters at international level, 66 have presented at national level, 81have presented at state level and 48 students have presented at regional level seminar and conferences.

Extension Activities:

The extension activities cover native, social and universal issues and conducted through NSS and various committees. The institute has shown its keep interest in signing MOUs, linkages and collaboration with industries, NGOs and educational institutes for promoting training, internship, placement, outreach programmes and extension activities. Program like Swatch Bharat, Sapling plantation, Blood donation, Thalasemmia camp, Activities in slum area, Gender equity, Universal values and ethics, donation to blinds, arm forced flag and victims of natural calamities are done by NSS and other committees of the institution.

Infrastructure and Learning Resources

Infrastructure:

Our institute has total 22.27 acres campus and total built up area is 3533.82 sq.mts. The college has 07 well equipped classrooms, 08 laboratories, 05 classrooms with LCD projectors, NSS room, ladies room, rest room, canteen, botanical garden, and ladies hostel.

During last five years, there has been continuous augmentation of physical infrastructure. The institute has provided the facility of ladies hostel. The second floor of the college is enhanced with 2 more rooms and 01 laboratory. The 2nd floor of the college is enhanced with 2 halls with 250 seating capacity o to meet the need of academic growth. For the development of the infrastructure approx Rs. 68.00 lakhs has been utilized by the management.

The institute has good indoor and outdoor sports facilities with cricket, volleyball, badminton, athletics track and yoga.

Learning Resources:

The college is enabled with internet connectivity with 10 Mbps.

The college has DELL laboratory with 26 computers and with internet facility for students and faculties

The college library is automated with SOUL, 2.0 version software. It has an outstanding resource with a stock of 5547 reference books, 08 research journals, 319 CDs and N-list etc.

The college has biometric and CCTV system for monitoring attendance and surveillance.

Student Support and Progression

The college has healthy environment and supportive resources for student support and progression. Students support activities mainly classified into different categories. Like,

Academic:

CBCS, bridge courses, internships, and project work, research activities, and field projects, trainings, SCOPE examination are arranged by the department to bridge the gap between academic site and industry. Students benefits by career counselling and by the guidance of competitive exams during the last five years. Students have won awards and medals for outstanding performance in academic during last five years.

Career Guidance:

Career guidance seminars, workshop and competitive exam seminars are arranged by the career guidance cells which give positively support to students regarding the career opportunity. Total 15 students are qualified in different state and central government examinations in the last five years.

Placement:

Placement cell (UDISHA) maintains strong Industry- Institute relationship and provides support to students for placement. 18 students have been placed in different industries and institutions in the last five years by the UDISHA.

Cultural, Sports, NSS and Outreach Programmes:

Large number of students not only participated in cultural, sports, NSS, and outreach activities but they also shine out by achieving awards, prizes, championships and ranks at different level.

09 students have won awards and championships in sports and culture activities in the last five years.

Financial Aids:

Students receive financial assistance in the form of scholarship and free ships from the state and central government. Approx 1281 students are benefitted by scholarships provided by the governments during last five years and are approx 67.57 lakhs.

Alumni:

The institute has alumni association. At present 1157 students are registered as alumni in the college. The alumni of the college played a vital role in the development of the college by their financial and non financial contributions.

Student Council:

SC is also established at college level which acts as a supporting agency between students and administration.

The institution has a transparent mechanism for timely redressal of student grievances including feedback, sexual harassment and ragging cases. Our campus is totally ragging free campus since last 26 years.

Governance, Leadership and Management

The institute has well defined vision, mission, governance policies, leadership and strategies to shine out academic excellence. Between the employees, students and management, principal and IQAC play a visit role in planning and implementing all the activities. They play a leadership role in the effective implementation of the teaching learning and students support activities. The governance and leadership plan is divided at six levels.

1. At management level
2. At principal level
3. At HODs level
4. At faculties level
5. At students level
6. At administration level

At all levels respected persons carries his leadership responsibility honestly. The freedom of designing of activities and implementation is giving to HODs, faculties and administrative staff through principal and management. Academic autonomy is given to the HODs and faculties in their separate domain. So the college management system became very effective.

The institute has student council. It has student leaders with various responsibilities and works in co ordination with the council's convener. The leadership in students is promoted in the conduction of various activities though this council.

The IQAC contributes significantly and plays a catalytic role for institutionalizing the quality assurance, strategies and process during whole year. The college accounts are audited by the private charted accountant.

Institutional Values and Best Practices

The best efforts made by the college for overall development of our students and crowned by the institutional values and best practices, like.

Eco-Friendly Campus:

The college looks after various options for eco friendly campus like, rain water harvesting, tree plantation, cleanliness drive for green campus, laboratory waste management system, environmental awareness activities, plastic free campus are main initiatives taken to make college campus eco friendly.

Universal Values and Ethics:

The college looks after various activities to create universal values and ethics in student's mind. Like celebration of national festivals, birth and death anniversaries of great personalities, help to blind community, help to armed flag force, help to deaf and dump community, mentally divyangan, distribution of fruits and biscuits in mentally divyangan ashram, blood donation etc. activities are performed during the last five years.

Code of Conducts:

The code of conducts exists for principal, faculties, students and supporting staff and displayed on the website.

Gender Equity Activities:

The number of girls in the college is almost more to boys. In the most of activities, participation of girls is more than that of boys. No ragging and sexual harassment cases have been noted since last 26 years. It indicates that girls are also enjoying position of responsibilities and leadership in the college premises.

Best Practices:

Among the several best practices implemented by the college, the best two are

1. Fostering Students and Faculties for Green Practices
2. Field Project on Microbiological Water Analysis of Motivahorwad

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	THE HNSB.LTD. SCIENCE COLLEGE
Address	College Campus, Motipura, NH-8
City	Himatnagar
State	Gujarat
Pin	383001
Website	www.hnsbscihmt.org

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	B.S.Patel	02772-232667	9904003218	02772-228925	scihmt@yahoo.co.in
IQAC / CIQA coordinator	Z.M.Gadhawala	02772-233602	9426575775	02772-240210	zmgadhawala@yahoo.co.in

Status of the Institution	
Institution Status	Grant-in-aid and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	
Date of establishment of the college	15-06-1993

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	**University name**	**Document**
Gujarat	Hemchandracharya North Gujarat University	[View Document](#)

Details of UGC recognition		
Under Section	**Date**	**View Document**
2f of UGC	10-03-2000	[View Document](#)
12B of UGC	10-03-2000	[View Document](#)

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	**Recognition/Approval details Institution/Department programme**	**Day,Month and year(dd-mm-yyyy)**	**Validity in months**	**Remarks**
No contents				

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

05-03-2020 12:27:49

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	College Campus, Motipura, NH-8	Urban	22.27	3533.82

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	**Name of Programme/Course**	**Duration in Months**	**Entry Qualification**	**Medium of Instruction**	**Sanctioned Strength**	**No.of Students Admitted**
UG	BSc,Botany	36	H.S.C	Gujarati	40	33
UG	BSc,Microbiology	36	H.S.C	English	60	53
UG	BSc,Chemistry	36	H.S.C	Gujarati	260	245
PG	MSc,Chemistry	24	B.Sc	English	30	30
PG	MSc,Chemistry	24	B.Sc	English	20	20

Position Details of Faculty & Staff in the College

Teaching Faculty											
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0				14				10
Recruited	0	0	0	0	14	0	0	14	6	3	0	9
Yet to Recruit				0				0				1
Sanctioned by the Management/Society or Other Authorized Bodies				0				0				2
Recruited	0	0	0	0	0	0	0	0	2	0	0	2
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				16
Recruited	16	0	0	16
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				6
Recruited	4	2	0	6
Yet to Recruit				0

05-03-2020 12:27:51

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				1
Recruited	1	0	0	1
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	13	0	0	2	0	0	15
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	1	0	0	3	3	0	7

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	2	0	0	2

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	558	0	0	0	558
	Female	459	0	0	0	459
	Others	0	0	0	0	0
PG	Male	40	0	0	0	40
	Female	52	0	0	0	52
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	44	59	47	50
	Female	35	34	34	40
	Others	0	0	0	0
ST	Male	46	46	44	39
	Female	25	40	35	28
	Others	0	0	0	0
OBC	Male	217	211	165	140
	Female	148	144	127	114
	Others	0	0	0	0
General	Male	324	305	271	252
	Female	356	342	326	195
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		1195	1181	1049	858

3. Extended Profile

3.1 Program

Number of courses offered by the institution across all programs during the last five years

Response: 145

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of programs offered year-wise for last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5	5	4	4	4

3.2 Students

Number of students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1109	1195	1181	1049	858

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
204	213	233	224	195

File Description	Document
Institutional data in prescribed format	View Document

Number of outgoing / final year students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
337	366	333	303	295

File Description	Document
Institutional Data in Prescribed Format	View Document

3.3 Teachers

Number of full time teachers year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
23	23	22	22	22

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of sanctioned posts year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
23	23	22	22	22

File Description	Document
Institutional data in prescribed format	View Document

3.4 Institution

Total number of classrooms and seminar halls

Response: 7

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
68.65	75.40	82.58	61.95	49.77

Number of computers

Response: 29

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

Response:

The college plans and monitors the academic curriculum and co curriculum activities for the effective implementation during the year. College, being as an affiliated college, follows the syllabi prescribed by the H. N. G. University, Patan. The various initiatives implemented for effective curriculum delivery are as under:

Teaching plans: In the departmental meetings the HODs, distributes time table and syllabus copies to faculties. PG chemistry department conducts continuous assessment through seminars, project work, problem solving, tests, book review and quiz etc.

Expert lectures: The College arranges guest lectures based on curriculum and co curriculum aspects for different departments.

Field visit and Industrial visit: Different departments of college arrange field visit program as well as industrial visits as a part of subjective co curriculum activities.

Internship: Students of UG, Microbiology and PG Chemistry are sent to different pharmaceutical and chemical company for internship for a week.

Field projects: Students of UG and PG are sent to different institute for a field work.

Project work: Students of PG have completed project work as a part of curriculum activity on different topics related to subject.

Student seminar: Students of PG have to presented seminar as a part of curriculum activity on different topics related to subject.

Problem solving: Students of UG and PG are given problem solving as a part of curriculum activity on different topics related to subject.

Feed back: End of the year feedback of students, parents and alumni are collected and submitted to committee.

Cross cutting issues: As part of the curriculum, cross cutting issues like Gender sensitization, Environment and sustainability, Professional ethics and Human value are covered.

File Description	Document
Any additional information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 1

1.1.2.1 **Number of certificate/diploma programs introduced year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	1

File Description	Document
Details of the certificate/Diploma programs	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 13.39

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	0	0	2

File Description	Document
Details of participation of teachers in various bodies	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 23.45

1.2.1.1 How many new courses are introduced within the last five years

Response: 34

File Description	Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Details of the new courses introduced	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.

Response: 05

File Description	Document
Name of the programs in which CBCS is implemented	View Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Any additional information	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Response: 1.94

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
20	22	36	00	26

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

In order to create awareness in the students about globally relevant cross cutting issues related to Gender equity, Environment and Sustainability, Human values and professional ethics, our college runs different courses and activities.

Gender equity: College provides equal opportunity to the boys and girls to participate in different academic activities. The college anti-sexual harassment cell takes almost care time to time to prevent such issue. Girls are offered free space to participate in cultural programs, training programs, NSS and sports events, expert lectures on women empowerment and gender equity are arranged on regularly bases.

Environment and sustainability: The college has a nature club which takes care of issue with respect to environment. One of the most steps in concern to environment and sustainability is that our college has organized state level conference on RECENT GREEN TRENDS IN CHEMICAL SCIENCES on 29/02/2016. The college has constructed underground water tank for rain water harvesting and this water use throughout year for practical purpose. College run various activities for environment and sustainability, like plastic free campus, plantation drive, Swatch Bharat Abhiyan, waste management etc.

Human values and Professional ethics: College runs various generic topics like Communication skill, Disaster management, Value oriented education, Human rights, Indian constitution and Naturopathy. Social welfare group of College has organized various activities for deaf and dump community , Divyangan, collected fund for flood effected victims , fund for blind people, Flag day fund, Armed force day fund . The college also organized days of national importance like Independence day, Republic day, Gandhi Jayanti, Teachers day, GuruPurnima, Swami Vivekananda Jayanti in order to keep the students closely connected with human values and professional ethics.

File Description	Document
Any Additional Information	[View Document](#)

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 4

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 4

File Description	Document
Details of the value-added courses imparting transferable and life skills	[View Document](#)

1.3.3 Percentage of students undertaking field projects / internships

Response: 7.48

1.3.3.1 Number of students undertaking field projects or internships

Response: 83

File Description	Document
List of students enrolled	View Document
Institutional data in prescribed format	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise
A.Any 4 of the above

B.Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B.Any 3 of the above

File Description	Document
Any additional information	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:
A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0.02

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	1	0	0

File Description	Document
List of students (other states and countries)	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 93.87

2.1.2.1 Number of students admitted year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
381	424	410	442	364

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
410	430	470	450	394

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

2.1.3 Average percentage of seats filled against seats reserved for various categories as per

applicable reservation policy during the last five years

Response: 26.16

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
170	169	192	189	187

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

The students are admitted in the first year of all degree programmes as per the norms and regulations of the university and the government. Institution has designed various mechanisms for continuous monitoring, assessment and evaluation of slaw and advanced learners.

The learning rate is being supervised to identify slow learners and advanced learners.

Programmes for advanced learners

Advanced learners are identified through their performance in interaction in classroom and laboratory, fundamental knowledge and skills, their understanding power and performance in examination. They are encouraging by the faculties to obtain university ranks. Our college has following strategies for advance learners.

Star batch

The college has star batch committee which selects advance learner on the basis of their previous year results. Extra lectures are arranged to enhance better performance in the university exams. Also we have created star batch whats app group. Through this group students can ask any types of their doubts to respective convener.

Research activity

Advance learner are inspired by faculties to present their research work in the state, national and international level seminars and also inspired to publish research articles in the research journals.

Training programs

Quick learners are motivated by faculties for sophisticated instrumentation training at different places. In Microbiology department, students are encouraged for participating in GSBTM crash workshop which helps them to qualifying entrance exam like JNU for M.Sc.

The Placement cell

It provides various sessions to strengthen their knowledge. The cell guides the students in aptitude training, group discussion, personality development training and interview skills. This helps them to improve their interpersonal and intrapersonal skills.

For advance and slow learner both motivational classes are conducted to imbibe positive attitude and to improve general mental ability of students.

Programmes for slow learners :

College has following programs for slow learners.

The institute and individual mentors help the slow learners by giving proper guidance and morally support to the learners viz.

Faculties supervise the academic growth of students from classroom lectures, lab practical, internal examinations and gives extra guidance to them as per their needs. Objective questions are discussed and sample answers and notes are provided to them.

In our library there are both Indian and foreign author reference books, slow learners are suggested to refer Indian author books for better understanding of the concept.

Slow learners are specifically advised and consulted by a mentor and subject expert. During theory and practical sessions, critical topics are explained for improving performance.

Appropriate counseling with additional teaching, eventually helps to attend classes and practical regularly.

In the PG department extra guidance and proper methods are given to the slow learners by teachers in the completion of the project work and also in the preparation of presentation.

The effort made in this way is performance in the university exam can be increased.

File Description	Document
Link for Additional Information	[View Document](#)

2.2.2 Student - Full time teacher ratio

Response: 48.22

File Description	Document
Any additional information	[View Document](#)

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0.18

2.2.3.1 Number of differently abled students on rolls

Response: 02

File Description	Document
List of students(differently abled)	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

Our teaching and learning method is purely student centric. The management fully supports the faculty members and students for the smooth conduct of the college.

The students are provided with sufficient number of class rooms, modern infrastructure, well maintained water and rest room facilities.

Journals and magazines are also available in the library. Our students make use of the outdoor sports facilities and enjoy many indoor games as well.

Experimental Learning:

The teachers foster learning environment by engaging in rich experimental content of teaching through practical, demonstration , periodical industrial visit, add on courses, project work, internships, instrumentation trainings and use of e content imparting experimental learning make effective.

PPTs

Lessons are taught through PPTs to make learning process interesting by faculties and also students are

inspired for PPTs during class seminar.

ICT enabled teaching

In our college, ICT enabled teaching includes classrooms with LCD, DELL laboratory and educational videos which support the educational activities with more experimental base.

Project based learning

All the semester of the PG has project work. In the PG chemistry, the faculties are the guides to the students in the process of the preparation of research projects. In M.Sc. sem 2 and 4, the best projects are awarded by the institution.

Internship and instrumentation training

Internship and instrumentation trainings are conducted as an important carrier stepping stone at our college, which provides valuable knowledge of the job skills and provide excellent opportunities to our students

Field visit or industrial tour

Students are encouraged for visits and industrial tour for motivation towards recent trends.

Field project

Field projects also useful for our students to real solution with respect to health problems.

Participative Learning:

Students are the first and foremost stake holder of the every educational institute. Learners centric participatory methods such as assignments, presentation of seminar, quiz session, participation in different competitions, presenting research work in seminars and conferences are employed to make teaching and learning more effective. These types of participatory learning activities promote leadership qualities in our students. It also includes the spirit of team work among the students.

In our college, assignments are compulsory for sem 1 to 6 as a part of their curriculum. In PG chemistry, class seminar sessions are organized where topics are presented by the students through PPTs to enhance their participatory learning experience. In our college, advance learners are ready to present their research work in the state, national, and international seminars.

Problem solving

The institute provide students tasks that inculcates them problem solving skills, they gain practical and direct experience of negotiating difficult situations, are trained as competent and capable individuals.

In college we have following problem solving methods.

Project work and field project

Problems regarding to health related research, water, environment and soil related are given to the students. They are always ready to design new pathways and try to solve problems. Microbiology students have investigated water related problems in the residential area and tried to solve it.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

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

Response: 86.96

2.3.2.1 Number of teachers using ICT

Response: 20

File Description	Document
List of teachers (using ICT for teaching)	[View Document](#)
Any additional information	[View Document](#)
Provide link for webpage describing the " LMS/ Academic management system"	[View Document](#)

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 50.41

2.3.3.1 Number of mentors

Response: 22

File Description	Document
Any additional information	[View Document](#)

2.3.4 Innovation and creativity in teaching-learning

Response:

To develop innovation, creativity and scientific temper among students,   different practices are adopted in the institution. The B.Sc. sem 1 students have been benefitted with the State Government scheme of tablet

to the students with rate of Rs 1000. Most of students use tablets for educational activities. The faculties use innovative teaching methods like, use of PPT presentation, books, e journals, use of models, YouTube etc. to make teaching learnig methode more creative.

Organization of expert seminars boosts a positive response from students.

The faculties and students actively participate in state, national and international conferences and workshops, short term courses to update their knowledge of their subjects.

Organization of add on courses, field projects, project work, and training has shown a positive response from students as well. like,

Chemistry

The faculties of Chemistry are always ready for innovation and creativity in teaching learning through project work on different research subjects, field projects, instrumentation trainings of sophisticated instruments, short term course on chemistry drawing tools, use of Scifinder, Marvin, Chemsketch software inculcate innovative and creative ideas in the students mind.

The faculty members of the chemistry adopt innovative methods in practical work such as alternative green procedure for organic synthesis and also in organic and inorganic analysis.

Microbiology

The department of Microbiology has undertaken the field project on microbiological water analysis of Moti Vahorvad area of Himatnagar for innovation and creativity in teaching and learning process.

Botany

The department of Botany gives information about medicinal plants and prepared a botanical garden in the college. Also under the guidance of faculties, the botany students have prepared various types of juices and jellies as a part of innovation and creativity.

Physics

The department of Physics has designed their departmental website for educational purpose and it is updated with number of practical instructions and theory instructions etc.

Incubation and start up

Recent year, our B.Sc. sem 1 student of Microbiology has designed and prepared fire extinguisher device with the use of technology. He got Rs.5000 as a start up from SSIP, Modasa.

File Description	Document
Any additional information	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 95.72

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	
List of the faculty members authenticated by the Head of HEI	

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 67

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
15	15	15	15	15

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	
Any additional information	

2.4.3 Teaching experience per full time teacher in number of years

Response: 16.78

2.4.3.1 Total experience of full-time teachers

Response: 386

File Description	Document
Any additional information	

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 0

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 0

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

University Reforms:

The evaluation of the students has become an internal as well as integral part of the teaching learning process. The semester examinations of first year are conducted in the institution on behalf of the university as unit test from 2018-19 as a part of CIE. While in the second and third year semester general pattern examinations are conducted. Answer papers are evaluated at the college level by the subject experts. The results of the examinations are prepared and sent online in prescribed time and format to the university.

Institutional Reforms:

Like university reforms, the institution also has followed some reforms in internal college evaluation system. In the academic year 2011-12, the University introduced semester system with CBCS pattern for all F.Y. and M.Sc. sem 1 classes. Later on it was gradually implemented to the senior classes one after other. By 2013-14, this system of education with CBCS pattern was fully implemented at all levels of graduation in science faculty. As it is a 70:30 pattern of university and college internal examination, the college has to hold examination and get evaluation done of 30% of the whole paper. Out of these 30 marks, the college holds traditional examination for 20 marks. The other 10 marks are allotted to assignments and attendance etc.

This is strictly observed that the evaluation work is to be completed within stipulated time and the statement of marks is submitted to the university within time. The college constitutes examination committee of senior teachers for conducting end semester examination. The college examination committee adheres to the guidelines and strictly follows the instructions of the university .The faculties are assigned invigilation duties. The examination committee works as internal squad committee and it takes care about copy free atmosphere in the college. The internal assessment marks are submitted to the university. The committee maintains one copy of the same with them.

For the students, the institution displays all the circulars regarding examinations on notice boards from time to time. From the very beginning of the academic year, the entire process of evaluation is systematically planned and presented before the students.

The following is the evaluation processes implemented by the institution for UG:

Content	Marks
End semester exam	40/2
Assignment	05
Attendance	05
Total	30

In B.Sc. sem 1, from the year 2018-19 CIE system is implemented while in PG that was continued.

This CIE system in PG is analyzed through book review, problem solving, class seminar, project work, quiz, practical exam. CIE is analyzed based on unit test and students overall performance in practical and theory.

In PG department of chemistry weightage of CIE is given below.

Contents	Marks
Book review	05
Problem solving	05
Class seminar	10
Project work	05
Quiz	07
Practical	16
ESE	42
Total	90

The internal assessment of examinations is the mirror of the success of teaching. This helps in upgrading the graph of student academic success.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

Examination is always an important scale to measure the potential of a students. An affiliated institute is supposed to abide by the rules of examination set by the university. As per the examination system of our Hemchandracharya North Gujarat University, Patan, The evaluation of students at any level in Bachelor of Science is done on 30:70 schemes. 30% weightage of the result is given to internal exams. This examination is held once in every semester. The students are supposed to appear for university exam for the remaining 70% of marks. The mechanism of examination has to be very transparent and robust. The internal assessment of examinations is the mirror of the success of teaching. This helps in upgrading the graph of student academic success. End semester examinations are conducted by the institution.

The planning of the approximate dates of examination is declared to the faculties and students during the initial month of the semester through academic calendar. On the instructions of the Principal and examination committee, the HODs of different departments, distributes responsibility of drawing question papers to their respective faculties. This process is kept confidential not only from the students but also from other faculty members as well. Even the faculties submit their papers in sealed covers which are directly submitted to examination convener and then after proceeds for printing. The college has a regular committee for the internal assessment. The committee consists of senior teachers. It plans its programme and conveys it to the students in advance. The students know the timetable and they also know the nature of the tests.

The examinations are conducted in a very healthy atmosphere. The chart of invigilators circulates to the staff one day before examination. The faculties of the college perform the duty of invigilators. Examination committee, consisting of senior faculty members, performs the duty of both senior supervisor and local squad to control malpractices. All the classes and lobbies are always under surveillance of the watchful eyes of CCTV cameras. There are rare cases of malpractice during examination. The faculties submit the results after assessment within a time given by examination committee around 15 days. The internal result sheets are displayed on the notice boards for the students. The evaluation of the internal test papers and assignments/ unit tests/ seminars etc. is done so objectively that there are rare cases of grievances regarding evaluation within the institution. The students who have unable to appear in the regular internal examination due to some valid reasons like doctor advice for bed rest, attend interview, exam and marriage etc get chance for retest. Once the marks are put on the notice board, students are given stipulated time of ten days, if they have any query about assessment in the respective subjects. There is a transparent mechanism of reassessment of the answer sheet on demand. We invite applications about their queries and show them their answer books to resolve their queries.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

Response:

The following mechanism is adopted to deal with the examination related grievances.

The exam related grievances of the students are always given priority in the college as well as university.

Redressal of grievances at institute level:

College level

At college level, as far as the grievances related to internal evaluation are concerned, students can approach the convener of examination committee who attend to the problem and reach a solution.

Once the marks are put on the notice board, students are given stipulated time of ten days, if they have any query about the assessment in the respective subjects.

There is a transparent mechanism of reassessment of the answer sheet on demand. We invite applications about their queries and show them their answer books to resolve their queries.

University level

Students who have any grievance related to the university examinations, they approach examination section of the Hemchandracharya North Gujarat University and file their application for the same through college.

Their applications are paid proper attention and are answered within a stipulated time.

If the students have grievances related to results of their university exam, they have to fill up a form within 15 days of declaration of the result with fixed fee. Their applications are worked upon by a special cell with Examination Controller as the leader of the cell. If the student belongs to final year of degree exam, he can apply for rechecking or reassessment of his answer sheet.

A student belonging to semester I to IV gets the facility of rechecking only. This grievance redressal is done in quite a transparent manner.

If the result of reassessment differs from the original one by more than 15%, the effect of difference is sanctioned to the student.

Moreover, the students who are caught by the invigilator or university squad for control of malpractices in

examination are given a chance to present their case before the *Pariksha Shuddhi Samiti* of the university within 15 days. The committee neutrally decides the level of the students' malpractice and declares the punishment accordingly.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

The college prepares its academic calendar in line with university academic calendar at the beginning of the academic year. The college uploads it on college website. Further, it is displayed on the college notice board to enable the students to know well in advance, the way programmes are going to be conducted. The Principal conducts meeting with the HODs and staff regarding smooth implementation of the academic calendar. The time table of continuous assessment and internal evaluation is mentioned clearly in the academic calendar. All the faculty members follow the academic calendar to complete their CIE task. The HODs also conduct departmental meetings and intimate their colleagues about conduct of CIE (Continuous Internal Evaluation) with respect to academic calendar.

File Description	Document
Link for Additional Information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

Each programme in UG and PG level has different objective, however the main aspects of these programme are to impart the quality of mankind through valuable education, increase the employability ratio, and lead a quality life of human being and to make responsible persons for the society in every aspects. The outcome of each UG and PG programme are well analyzed by the departments. The faculty and students are informed about the programmes on different way.

The programme outcomes, programme specific outcome and course outcome for UG and PG programme offered by the college are clearly displayed on the institutional website and display boards of every department.

At the beginning of every academic year, college arranges orientation programme which are addressed by the faculty where students are informed about COs, POs and PSOs.

Learning outcome of the programmes and courses are shine out in the classroom with respect to topic of units during particular lecture by our faculties.

The purpose behind communicating these COs ,POs and PSOs to the faculty is to conveyed faculties what knowledge and skills they are expected to teach students and same is conveyed to students so that they should know what they are expected to learn at the end of the courses.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

The college has a mechanism to evaluate COs, POs,and PSOs through a college results,placements,employability in various field, participation of students in different competative examinations and percentage progression of students in higher education.

Attainments of COs

The course outcome related to the skill, knowledge and application that students acquire at the end of the course. Students attainments level can be measure with the use of **university results**, **persentage of progression students in higher education**, **participation and success ratio of student in different competative examinations.**

Attainments of POs

The programme outcome of UG and PG programme is measured by the college, based on **placement** at the end of programs. It can be also measured based on the ability of the students in **initiating new business or managing their existing family business better.**

File Description	Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 91.39

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 308

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 337

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.8

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 0

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
List of project and grant details	[View Document](#)

3.1.2 Percentage of teachers recognised as research guides at present

Response: 30.43

3.1.2.1 Number of teachers recognised as research guides

Response: 07

File Description	Document
Any additional information	[View Document](#)

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 00

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 22

File Description	Document
Any additional information	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The H NSB Ltd. Science college is one of the youngest Grain-in-Aid science college in Sabarkatha district. The college performs various activities such as research activity for faculty and students, placement activity, career guidance and entrepreneurship which make students aware of the incubation ecosystem.

Ecosystem for students

In-house activities

The students are given seminar, project work, problem solving and quiz to ignite innovative ideas in the students.

Organizing Workshop/ Seminar/ Conferences

The college organize workshop, seminar, conferences, field project and certificate courses to develop research and innovative environment in college.

One State level seminar is organised by the Chemistry department and one National level seminar organised by the library department.

III Programme

Industry Institute Interaction Programme (III Programme) started in 2017 for B. Sc. and M. Sc. Students. Main Aim of this programme is to filled gape between industries and institution. We have arranged number of lectures, Practicals, Industrial visits & Instrumentation trainings during this programme.

Off campus activities

Students sent to various colleges to attend conference, seminar, workshop and field projects.

They are also sent to get hands-on-training for the research equipments and other instruments.

NSS creativity corner

NSS registered students and other students spent their valuable time for cultivate innovative ideas for social benefits.

Ecosystem for faculty members

Research and Development Cell

Research committee formed with members who are actively involved in research. Every research proposal, students sci-tech project for GUJCOST scheme are observed by this committee for scrutiny and recommendations.

Patent

One patent is filed by Dr. Z. M. Gadhawala with Dr. M. Ali Khanusiya entiteled "A NOVEL SYNTHETIC CHALCONE-SULPHONAMIDE HYBRIDS BEARING ANTICANCER ACTIVITY"

Patent Application No. TEMP/E-1/37948/2018-MUM

Patent Registration Date: 17-09-2018

Start-up Research Papers

Three start up research papers published by Prof. P. V. Dholakiya

Entitled 1. Sustainable Condition of Biogas Plant (A renewable energy source) , Suggestions to Policy Makers: A CASE Study

2. Preparation ofNano particles Liquid Organic Fertilizer and its Effect on Various Crops

3. Utilization of Biogas waste, as Nano particle liquid Bio-fertilizer, as a byproduct and its application on plant Growth and Yield of White Flower Cabbage. (Brassica oleracea var. botrytis)

E-content Development

Our college has developed e-content on website for study materials and video lectures for benefits of our students.

HNSB Incubation Cell

Curently we have started HNSB Incubation cell in our college.

More than 25 sudents registed under this cell.

Our one students of this cell Mr. Lokesh Prajapati, B. Sc. Sem-1, invented fire safety device and his project is selected in Student Startup and Innovation Policy (SSIP, Gujarat) and he is going to patent this device.

Aim of this cell, first incubate students, provide knowledge than they can start-up and they be enterprenuer.

File Description	Document
Any additional information	View Document

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 1

3.2.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
00	01	00	00	00

File Description	Document
Report of the event	View Document
List of workshops/seminars during the last 5 years	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: No

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 0.25

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 01

3.3.3.2 Number of teachers recognized as guides during the last five years

Response: 04

File Description	Document
URL to the research page on HEI web site	
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	
Any additional information	

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 0.54

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
01	01	00	10	00

File Description	Document
List of research papers by title, author, department, name and year of publication	

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Response: 1.16

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
05	05	01	08	07

File Description	Document
List books and chapters in edited volumes / books published	[View Document](#)

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

The college promotes Institution -Neighborhood - Community network through the functioning of committees and organizations like NSS. The institute emphasizes on student involvement contributing to good citizenship, community services and holistic development of the students. Various programmes are conducted during last five years as under:

- The institute carried out a remarkable extension activity in supplying relief to the flood affected areas in our neighboring district Banaskantha during monsoon of 2017-18. The faculties and students donated 27,000 Rs.
- The NSS Unit of our institute conducted camp for a week in a village Morikha after this natural calamity of flood and played a remarkable role in bringing life back to its routine.
- NSS organized Blood Donation camps in the college with collaboration with HDFC Bank.
- NSS cell with Red Cross Society jointly organized Thalasemmia Camp year wise in our college.
- AIDS Awareness Talk organized by Red Cross society and 250 students of our college participated in useful talk.
- Most frequent extension activities are Cleanliness drives under Swachchta Abhiyan. Cleanliness drives are undertaken regularly within the campus and frequently in the neighborhood.

- Plantation drives are regular activity in our college.
- Department of Chemistry arranged field project on Soil Analysis with collaboration with Government Science College, Idar which is helpful to inculcate research aptitude in students.
- Chemistry department also arranged Water analysis field project with collaboration with Jal Bhavan, Himatnagar, which is useful to know the quality of water.
- Microbiology department conducted field project on Microbial Water Analysis in one area of Himatnagar named Moti Vahorwad, Water analysis results shows high amount of bacterial population in water, so they submitted their results to Himatnagar Nagarpalika and Nagarpalika took immediate action.
- Gender sensitization and women empowerment seminar regularly arranged by NSS Cell, which are on most important social issues.
- Our college students run Social Service Unity Cell, which directly touch with human being and social issues. Total number of student volunteers is 67. They arranged number of social activities like Plantation, Various camp in Divyang Ashram, Distributing the bracelet, Distribution of bird nests and various activities in deaf and dump school like, arrange Breakfast, Diner and distribution of cloth for specially students. They also run free tuition classes for Mamta school students.

Overall major extension activity in college are:

- NSS
- Natural Disaster
- Cleanliness Drive
- Plantation Drive
- Awareness Drive about social and health issues
- Gender sensitization and Women empowerment Programmes
- Social Service Unity Cell (SSU Cell)

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 1

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	00	01

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 26

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
05	06	05	2	8

File Description	Document
Reports of the event organized	[View Document](#)
Number of extension and outreach programs conducted with industry,community etc for the last five years	[View Document](#)
Any additional information	[View Document](#)

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 19.4

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
260	00	64	249	381

File Description	Document
Report of the event	[View Document](#)
Average percentage of students participating in extension activities with Govt or NGO etc	[View Document](#)

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 23

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
03	04	04	03	09

File Description	Document
Number of Collaborative activities for research, faculty etc	[View Document]
Any additional information	[View Document]

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 23

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2018-19	2017-18	2016-17	2015-16	2014-15
06	03	05	06	03

File Description	Document
Details of functional MoUs with institutions of national, international importance,other universities etc during the last five years	[View Document]
Any additional information	[View Document]

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

The institute furnishes infrastructure facilities to fulfill the requirements of the students. Our institute aims is, creating an environment of excellence in education through technologically advanced pedagogical tools. The facilities are as under:

The college building is spread in two stores.

The ground floor consists of administrative block, NAAC room, seminar hall, girls room, library, chemistry store room, UG and PG chemistry laboratories, etc.

The class rooms, NSS room, sport room, indoor game hall, yoga hall, Physics, Botany and Microbiology lab, T.Y. classrooms, DELL lab, etc are at first floor.

The class rooms and T.Y. Botany laboratories are at second floor.

The college has partially automated library with 8,139 books in total, 5266 titles and other reading material such as encyclopedias, bound volumes etc. The College has an extra reading room close to the library. The college has provided **N-List facility** for teachers. They use this facility for their research or for studies. The college has purchased **SOUL** software from **INFLIBNET** for library. OPAC system is also made available in the library.

The College has 49 computers, 06 LCD Projectors, 02 OHP projectors, speakers, sound system, and audio visual aids, microphones, 01scanner, 02 scanners with printer, 12 printers, 01 Xerox machines, pen drives, UPS, USB, web camera, digital camera and 35 CCTV cameras.

The College has a separate NSS room, rest room, ladies' room, canteen and DELL lab.

The college has BSNL VPN 5 connection having speed of 10 mbps. Each department is connected with internet connection. Besides the college has regular BSNL broad band with 6 connections.

The authorities have got 01units of RO Plant installed in the college. It provides purified drinking water to students and staff.

The college has podiums, chairs, writing desk, black board marker pen etc.

The College Management has arranged to install 35 CCTV systems in the entire college

The College authorities provided 14fire extinguishers installed in the building in 2017-18.

Seminar Room: The college has 01 seminar room with LCD projector, audio visual equipments for

conducting extension lectures, staff meetings, literary programs and other competitions.

Equipment and Instruments: The Chemistry, Microbiology, Botany and other supportive departments of the college have sufficient instruments like U.V. Spectrophotometer, Friability apparatus, DT apparatus, Domestic oven, digital M.P.apparatus, Auto clave, Hotter oven, Incubator, Incubation cum shaker, U.V.cabinet etc for teaching learning purpose.

File Description	Document
Any additional information	<u>View Document</u>
Link for Additional Information	<u>View Document</u>

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities

Response:

The college promotes and encourages students for sports and cultural activities. Many of the students of our college have participated at different levels of sports categories. The institute has played a proactive and supportive role in grooming talent of students.

The success of the college is due to following facilities offered to the students.

Sports

The College provides excellent support for coaching facilities by the Physical Director for indoor and outdoor games. Consequently, they have achieved many milestones in the field of sports.

Indoor Games

The college has established indoor game hall facilities for indoor games like Chess, Carom, Table tennis etc.

Outdoor Games

The College provides facilities for outdoor games such as Cricket, Athletics, Kabbadi, Kho-Kho, Basket Ball, Handball, Football, Volley-ball, Badminton etc in common campus ground.

Yoga

The institute provides all the facilities to the students which are interested in Yoga. For this purpose one Yoga hall is provided.

Since the UNO declared 21st June as the Yoga day in the world, the college organize practice session of Yoga for faculties prior to 21st June of every year. Our B.Sc. sem 5 students, Mr. Dhruv Joshi is

nominated for YOGA activities at college level. Also, during these sessions, Yoga experts guide us about the benefits of Yoga. The college has arranged Yoga and Pranayam programme for administrative and support staff and also for the students.

Health

1. The college is conscious about the health of the students in general and sports persons in particular.

2. The college has a facility for first aid treatment to the needy.

3. A Thalasemmia check up camp arranges regularly once a year in our college. All the new entrants of the college get themselves checked at nominal rates. The IQAC has arranged health awareness programme for administrative and support staff.

Cultural Activities

Cultural activities, looking after by cultural committee, are the most throbbing unit of our college. The college has a big open space for cultural events like welcome party, annual function and many more cultural programs which organizes by cultural committee. Moreover, our college has purchased some musical instruments which are useful in the cultural events. The winners of various cultural events are awarded in the annual day function.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 71.43

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 05

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	[View Document](#)
Link for additional information which is optional	[View Document](#)

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 18.91

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
37.04	25.7	2.54	2.12	0.0

File Description	Document
Details of budget allocation, excluding salary during the last five years	[View Document]()
Audited utilization statements	[View Document]()
Any additional information	[View Document]()

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

Library is situated in the college with 107.88 sq.ms. It has 40 seating capacity. Library has established in conductive atmosphere with provision of necessary facilities like tables, chairs, and separate reading room with good ventilation for students. Every academic year, library committee is constituted to strengthen its activities. This committee allocates department wise budget for purchase of books, periodicals, magazines and also conducts annual stock verifications.

The library also runs book bank scheme. Library provides e resources like INFLIBNET, N LIST, Shodh Ganga, Jain e library, NDL etc. The library has ILMS Software SOUL 2.0, partially automated. The library working time is 10:30 a.m. to 5:30 p.m. The college library has special sections of books enmarked for NET, State public service examinations, Civil service examinations, Career and counseling books. Moreover, it has a wide repository of books, journals, CDs, encyclopedias, etc. for faculty and students use.

Details of ILMS :

- Name of ILMS software is SOUL 2.0
- Nature of automation is partially
- Version is 2.0
- Year of Automation is 2005
- Internet : 10 mbps
- N LIST facility
- Institutional repository: Published research papers/articles/thesis/books of the faculty members.

Library Collections

Sr.No.	Types of collection	No.
1	Text Books	2592
2	References Books	5547
3	Journals	08
4	CDs	319
5	Magazines	23
6	Newspapers	04
7	Educational videos	04
8	Question Papers	350

Details of Books in the Library

Sr.No.	Subjects	Number of Books	Purchase from UGC
1	Chemistry	373	Yes
2	Physics	190	Yes
3	Botany	190	Yes
4	Microbiology	47	No
5	English	142	Yes
6	G.K.	149	Yes
7	Biography	15	Yes
8	Philosophy	51	Yes
9	Literature	228	Yes
10	Other	2	Yes
11	Total	1387	Yes

File Description	Document
Any additional information	[View Document](#)

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

Our college library plays a key role in promoting the progress of knowledge. It has a total number of 8,139 books, 8 research journals and magazines. Every year library subscribes newspapers, magazines, competitive exams books, employment news for the enrichment of the faculties and students. The Principal and Librarian of the college hold all responsibilities to take decisions regarding the improvement of facilities and library services. The college library has a special collections and encyclopedias which play a vital role in the library system.

- Name of the book/manuscript -Gujarati Vishvakosh
- Name of the publisher - Gujarat Vishvakosh Trust
- Name of the author - Ed.DhirubhaiThakar

- Number of copies- Volume -25
- Year of publishing - 1989

File Description	Document
Any additional information	View Document

4.2.3 Does the institution have the following:

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: C. Any 2 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 0.63

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0.4	0.8	0.06	0.7	1.19

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	[View Document](#)
Audited statements of accounts	[View Document](#)
Any additional information	[View Document](#)

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	[View Document](#)

4.2.6 Percentage per day usage of library by teachers and students

Response: 1.33

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 15

File Description	Document
Any additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Details about IT facilities:

The institution has following IT facilities at various levels.

Internet subscription: Excel media leased line: BSNL broad band, GTPL, LAN and Wired inter connectivity are available in the campus

Photo Copiers: 01

05 class rooms with LCD Projectors

Membership with INFLIBNET N-list to access e-resources

The student service center in the library has 02 computers with internet connectivity which are accessible to students on their requirements.

The college has one seminar room with LCD projector.

The college has a well equipped partially automated library with computers for accessing digital materials through INFLIBNET and browsing the internet.

670 tablets are distributed to B.Sc. Sem 1 students under the scheme of Government of Gujarat since last two years.

Our Physics department runs its own website since last five years. Physics department displays all notices, materials, mark sheets, you tube videos for practical, mentoring students, e module etc on the website and follow the paperless work.

The IQAC of the college has one computer with LAN and internet connectivity to facilitate NAAC work.

Documentation and Communication Management System:

The IQAC is equipped with a printer scanner cum photocopier.

The office of the college is fully automated under LAN connectivity.

Fully automated Office Management System (OMS) with college ERP.

Details of College IT Infrastructure.

Sr No.	Particular	Details
1	Total no. of Computers	49
2	Total no. of Laptops	05
3	Scanner	02
4	Scanner with Printer	02
5	Lan Facility	Limited
6	Broadband Connections	01
7	LCD Projectors	06
8	Dell Lab (computer Lab)	01
9	Total no. of Printers	12
10	Visulizer	01
11	OHP	02
12	Biometric System	01
13	CCTV Camera	35
14	Library Soft wear	01
15	Physics Website	https://physicshmt.wordpress.com
16	Class room mike	04
17	Handy Cam	01
18	UPS	02

19	Speakers	12
20	LCD TV	02
21	Xerox Machine	01

File Description	Document
Any additional information	View Document

4.3.2 Student - Computer ratio

Response: 38.24

File Description	Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: 5-20 MBPS

File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support

facilities excluding salary component, as a percentage during the last five years

Response: 3.6

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
3.41	4.19	2.38	0.67	1.74

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	[View Document](#)
Audited statements of accounts.	[View Document](#)
Any additional information	[View Document](#)

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

Response:

The Governing body takes direct initiative in the maintenance and keep of infrastructure and support facilities in consultation with the Principal. The Principal and the hired agency monitor the quality of maintenance of infrastructure and equipments. The custodians of the equipments frequently examine them for timely maintenance and repairs to ensure performance and accuracy.

Maintenance and utilization of Laboratory

The college has seven labs for students of Physics, Chemistry, Botany and Microbiology subjects. The lab equipments and facilities are strictly taken care of by the faculty. The management and college bears the maintenance expenses in the lab. The instruments in the laboratories are to be used under the supervision of the teachers. Facilities and requirements are regularly checked and maintained with the help of technical person. Department wise stock register is maintained by the laboratory assistant and annual stock verification is done with the help of HOD.

Maintenance and utilization of Class Rooms:

The Principal, the IQAC and faculties of discipline committee oversee the maintenance of the classroom equipments. Senior students in the classes take care of preserving facilities in the college intact. The college building is lent to the external agencies and Government for exams on request.

Maintenance and utilization of Computers

Though college have a duly appointed system administrator to oversee the maintenance of the computer systems. Sun Info -Tech who looks after the maintenance and updating of operative system, antivirus, software, hardware as well as technical problems of computer systems in the college.LAN and internet connectivity is regularly checked by the technician.

Maintenance and utilization of Sports amenities

All Sports amenities are under the in charge of the Director of Physical Education. A room is kept aside for keeping sports utilities. All sports amenities are utilized and maintained by the sport teacher and students. The maintenance of the courts and ground is done properly in time. Common facilities like ground and running track are provided to the public and to the neighboring institutions on prior request.

Maintenance and utilization of Dell Lab

Students can avail Dell Lab facilities for English proficiency. The students are allowed under the supervision of Dell labs operator only. It is maintained by the DELL coordinator.

Maintenance and utilization of Library

The institution has library committee which plays a vital role in smooth functioning and remarkable working of the library. Library is maintained

by the librarian and attendants. Annual stock verification of library books is systematically done by the librarian.

Library facilities are open for the students not only our college but also students and researchers of other institutes and even general public. Maintenance and utilization of library resources are done through strictly following the library rules. A register is maintained to keep the record of all the visitors. Back issues of periodicals are issued to the readers. The maximum period of loan for books for 14days is followed. A book, if damaged or lost by a member, he or she shall pay the cost of the book as compensation.

Maintenance and utilization of other facilities

Camera and CCTVs, LCD projectors, Biometric machine, Photo copier and Laboratory equipment are maintained by the technician of dealers. Maintenance of plumbing, housekeeping, water purifier, electricity is carried out as per requirements by technicians and the supporting staff having technical skills. Garden is maintained by the hired agency...

File Description	Document
Any additional information	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 0.83

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
46	00	00	00	00

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	[View Document](#)
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	[View Document](#)
Any additional information	[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 0.1

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
02	01	00	01	01

File Description	Document
Any additional information	[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. **For competitive examinations**
2. **Career counselling**
3. **Soft skill development**
4. **Remedial coaching**
5. **Language lab**
6. **Bridge courses**
7. **Yoga and meditation**
8. **Personal Counselling**

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: C. Any 5 of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 11.13

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
132	132	00	150	158

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 1.55

5.1.5.1 Number of students attending VET year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
83	00	00	03	00

File Description	Document
Details of the students benifitted by VET	[View Document](#)
Any additional information	[View Document](#)

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View Document](#)
Details of student grievances including sexual harassment and ragging cases	[View Document](#)
Any additional information	[View Document](#)

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 1.13

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
00	03	06	01	08

File Description	Document
Self attested list of students placed	[View Document](#)
Details of student placement during the last five years	[View Document](#)
Any additional information	[View Document](#)

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 38.76

5.2.2.1 Number of outgoing students progressing to higher education

Response: 131

File Description	Document
Details of student progression to higher education	[View Document](#)
Any additional information	[View Document](#)

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 0

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	00	00

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
03	08	03	01	00

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	[View Document](#)
Any additional information	[View Document](#)

5.3 Student Participation and Activities

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

Response: 0

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	[View Document](#)
e-copies of award letters and certificates	[View Document](#)
Any additional information	[View Document](#)

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

Our college has different committees. We have selected students representatives from these committee. We have formed students representative committee with the use of these member. We have also included college rankers in this committee. This committee is now known as student council. The student council of our college actively participates in different kinds of activities. They help in coordinating all the events related to curriculum and extra co curriculum activities done by various committee as per the given direction. They motivate students to take part in the activities for tidiness and cleanliness of college campus, maintain college discipline and participation in NSS program me. They act as a bridge between faculty and students community. Contribution of the student council in academic administration ,

coordination in organizing cultural programmes is remarkable. In the college and departmental events such as workshops, seminars, conferences, various day celebration ,poster presentation, annual day celebration, cultural and sports activities responsibilities given to some of the active and enthusiastic students for the arrangement and maintaining the discipline. The whole management of teacher day celebration done by students. Placement activities driven by UDISHAwith the cooperation of the representatives of this cell. Co ordination in organizing different events driven by SAPTDHARA , industrial visit and picnic, NSS camp also organized with the support the members of this cell. Institute provides necessary supports to the council members in smoothly organizing and coordinating events. It encourages the students to develop their leadership skills through activities. We have selected student representatives from different Committees like IQAC, Antisexual Harrassement, Antiragging, ST,SC and OBC cell, Saptdhara,Udisha,and NSS in the Students Council Committee.

Students Council Support

1) The systematic management of day celebration is conducted by the students

2) Remarkable supports of students during the celebration of Annual function

3) Positive cooperation of students during campus interview organized by UDISHA

4) Various types of out reach programmes for neighboring community are conducted with the help of representatives of this council

5) Various programmes are organized by the representative of this council for deaf and dump as well as for Divyanjan.

6) College Cultural and Sports events are organized under the learder ship of students council

7) Activities like NSS camp, Blood donation camp, Teacher day, Star batch and Swachhta abhiyan etc are successfully conducted with the help of students council.

File Description	Document
Any additional information	[View Document](#)

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 7.6

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
10	06	06	09	07

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document
Any additional information	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

The college has an active alumni association which is not registered.

Our college has a tradition of registering maximum outgoing students of the college.

They are charged a nominal amount of 30 rupees as membership fee.

The alumni are invited to the annual meeting through personal contact or mobile contact.

The time is fixed in order to ensure maximum participation of the members.

A number of our alumni have proved their merit in the respective fields of their career.

Our alumni have a number of good jobs in academic field like teachers, lecturers, principals, lab assistants etc.

Our alumni is doing a good job in a government sector like mamlatdar, deputy mamlatdar, deputy section officer, section officer and also in banking sector etc.

Mostly, our alumni is working in a chemical industries like pharmaceuticals, dyes industries, petrochemical industries and pesticide industries etc.

More over in chemical industries,our alumni works as research scientist, manager in R and D, quality control incharge, production incharge and laboratory incharge etc.

Our alumnus operates with top posts such as an area manager, sales manager, production manager, and marketing incharge in chemical and marketing field.

Member of the alumni who are academicians, visit the college and deliver the lectures to the students on various occasions in order to show their love and respect to their mentors.

Our alumni organise various programmes like career guidance seminar, personality development seminar, communication skill development seminar, competitive exams seminar etc.

Our alumni are always ready to help the students of our college. They encourage the students by arranging such types of useful seminars.

The main aim of this association is to promote the foster interaction among the alumni, faculty and present students in order to raise the college at different level.

Additionally, such groups often support new alumni and provide a forum to new friendship and relationship with people of similar background.

Alumni generously support college activities and with their time expertise and enthusiasm.

File Description	Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: <1 Lakh

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 1

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1	00	00	0	0

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document
Any additional information	View Document
Report of the event	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

Vision

Seeing the youth in their pursuit of excellence, approach life scientifically, behave morally and shoulder duties, responsibly towards the making the state and nation. To equip science graduate and post graduate with skills of practical use.

Mission:

To disseminate scientific knowledge and technology, its application and make efforts to make knowledge within the common man.

The HNSB. Ltd Science College run under the auspices leadership of Himatnagar Kelavani Mandal since 1993 with vision and mission of quality education, including human values, social, moral, ethical values and developing necessary skills for leadership. The HNSB Ltd Science College is the youngest grant in aid college in HNGU,Patan. It is one of the best institute in the Sabarkantha district through the quality management system.

Governance and an effective leadership:

The college has a good system of participating governance which is achieved through forming IQAC committee, prevention of sexual harassment cell, NSS, grievance and redressal cell, anti ragging and other committees of the college.

The Principal is the academic and administrative head of the college. He is assisted by the vice principal, HODs, account officers and conveners of different committees. The conveners of various committees lead the routine work of the college. Recurring requirements of the departments are identified by the HOD, which are presented to the secretary of the management by the principal and approvals obtained. Students and alumni are also involved in certain committees, so that their suggestions are also considered in governance.

So all stake holders of the college are involved at various levels in assessing actual needs, academic, standards, quality of education and policy making decision. The governance of institute is transparent in tune with the vision and mission of the college.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

The institute promotes culture of decentralization and participative management at various levels.

1. **At Principal Level:** The Management of college have authorized to the Principal for all the academic and operational decisions based on policy to the academic monitoring to fulfill the vision and mission of the college.
2. **At Faculty Level:** Faculty of the college is the members of various committees and authority given to conduct different programs to shine out their abilities. They are encouraged to develop their leadership skills by being a convener of various academic, co curricular and extracurricular activities. Other units of the college like sport, NSS, UDISHA etc. have operational autonomy under the guidance of Principal and HOD.
3. **At Admission Level:** Our admission committee counsels to prospective candidates for admission process, fee, availability of the courses and other inquiries related to college before the application form received from them. The members of admission committee co-operate and work better at different levels. They also sit in at interface meetings and meet parents and students prior to admission.
4. **At Financial Level:** Financial Planning and Implementation: Departmental grants of the college are discussed with HODs of respective departments. The librarian prepares and plans for the budget of books after discussion with the faculties of various subjects.
5. **At Infrastructure Level:** Building committee of our college is assisting with the planning and execution of extension of the college and planning for infrastructure.
6. **At students Level:** Representatives of student council are empowered to play an active role in co-curricular and extracurricular activities.

Participative Management:

The college always follows and promotes to participative management. The important decisions and policy making decisions are taken jointly by the Principal and HODs. For the smooth conduction of any events, the representatives of student council are informed for the good management of the events with discipline.

File Description	Document
Any additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

Strategic Plan	Deployment
1. **Introduce New Programme and add on courses**	Due to the keen demand of the various stake holders, the college has started new programme such as BOTANY in the academic year 2017-18 Various add on courses also have been started during the last five years.
1. **Augmentation of infrastructure facility**	Constructed 06 classrooms and 1 Laboratory.
1. **Enhance the output in research**	During the period of 2014 to 2019 01 State and 01 National seminar was organized by the Chemistry and Library department. 90 research papers and 26 books are published by the faculties. 27 research papers are presented at international, 60 are presented at national , 44 are presented at state level and 3 are presented at local level conferences. 01 Patent is filled by the Dr Z. M. Gadhawala and Dr Ali 11 faculties have received Ph.D. guideship. 07 students are awarded Ph.D. under the guidance of faculties.
1. **Enhance use of ICT in teaching learning process.**	Use of PPTs and YouTube videos by faculty members. Preparation of e content for students use. Physics department has designed educational web site to make teaching learning process more effectively.
1. **Enhance the Industry Institute Collaborations**	During the period of 2014-19, a total 28 MOUs, 23 linkages and collaborations have been done.
1. **To increase employability and Placement of students**	During this period total 18 students are placed in different companies with the support of the institution.
1. **To enhance the green campus initiatives**	The college has executed several programmes under **Swatch Bharat Abhiyan.**

	State level seminar was organized on Recent Green Trends in Chemical Sciences. Project work was completed by the PG students on eco friendly methods. Effective waste management in the Chemistry and Microbiology laboratory. Conduct Green Audit of the college.	
1. **To undertake outreach activities as a part of institutional social responsibility**	During period of 2014-2019 Social group of college has conducted different outreach activities such as winter clothes distribution, sweets distribution, celebration of birthday with deaf and dump community and Rs 15397 donated to blind community. Rs 19500 donated to armed flag force Rs 11111 donated to peon of sister concern B.B.A College. Rs. 27000 donated to flood affected village.	
1. **To provide quality and value based education to the students**	The faculty members of the college have been applying participatory and applied teaching method in the form of class seminar, project work, field trips, field project, assignment, internship, training, quiz, group discussion etc to provide quality and value based education to the students.	
1. **Digital literacy among students**	To increase digital literacy, the college is providing computer facilities at DELL lab, PG seminar room and library of the college. The PG students are encouraged to represent their seminar with power point. Necessary guidance has been provided by the faculty members. 670 tablets are distributed to the B.Sc. Sem-I students for educational purpose. Approx 218 students got benefit for sophisticated instrumentation training programmes.	

File Description	Document
Any additional information	[View Document](#)
Strategic Plan and deployment documents on the website	[View Document](#)

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

The institute has a well designed organizational structure, which is divided into two main levels.

1. At Management level
2. At College level

1. **Organizational Structure at Management Level:**

Our college strictly adheres to the norms of UGC, H.N.G.University, Patan and Gujarat Government in appointing faculty member as well as administrative staff. College runs under Himatnagar Kelavani Mandal.Managing committee of 11 members, including President, Vice President, Secretary, Jr. Secretary, Treasurer and members. Managing committee of the college works co-operatively with the principal to regulate and maintain a congenial and academic environment required for this purpose. The managing committee will have the power to act under the orders of the board of trustees in accordance with the approved budget.

1. **Organizational Structure at College Level:**

The administrative body of the college is well organized, friendly amicable and co operative. The administrative set up of the college is channelized though Principal, Vice Principal, IQAC Coordinator, HODs. For the qualitative administration, the college has formed various committees. All these committees have their own responsibilities of their respective fields and co operate each other for effective administration.

Administrative setup and functions of various bodies:

The college administration: Office looks at the matters which related with admissions, eligibility, examination, government scholarships etc. It provides the necessary clerical support to maintain records and to interact with the stakeholders, staff of the university and government offices.

The principal forms various committees to help in monitoring and facilitating several activities organized in the college i.e. time table, examination, cultural, sports, student council, admission, NSS, placement cell, grievance redressel cell, IQAC, nature club, saptadhara, discipline, college website updating, student feedback etc.

Service rules, Procedures, Recruitment, Promotion Policies:

The service rules of the teaching and non teaching staff are as per the relevant rules of the competent authorities like the UGC, HNG University and Govt. of Gujarat, Similarly, the rules and procedure for recruitment and promotion are as per the Government of Gujarat, HNG University act and the UGC regulations

Grievance redressal mechanism:

The college has formed a grievance redressel cell for students to address their grievances and complaints and to resolve them. The cell is headed by the principal. The mechanism to deal with grievances and complaints is as follows:

The principal receives grievances and complaints either orally or in writing and take cognizance thereof. Received grievances and complaints and discussed in the meeting of the committee and are resolved. Anti sexual harassment committee and anti ragging committee are other mechanisms which maintain a harmonious atmosphere on the campus.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Planning and Development
2. Administration
3. Finance and Accounts
4. Student Admission and Support
5. Examination

A. All 5 of the above

B. Any 4 of the above

C. Any 3 of the above

D. Any 2 of the above

Response: C. Any 3 of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	[View Document](#)

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

There are various committees in the college which work effectively under the guidance of the Principal and Internal Quality Assurance Cell. This committee periodically organizes the meetings in presence of the

Principal and discuss various activities and takes decisions. These meetings are well documented. The annual day celebration committee is one of the key committee from diverse list of institute, whose functioning is monitored by the principal.

Activity

 Celebration of Annual Day

Process

The celebration of annual day in the college campus, Himatnagar.

Objectives

Students participate in various competitions, and encourage students for participation in different events.

Such competition is a great help and encouragement to the youth. They increase their self confidence, competitive spirit, and feeling of fraternity.

Method

Distribution of various responsibilities and share to students and staff members. With the support of the office, the rules and regulations of the celebration of annual day is prepared and displayed on the notice board.

In the classrooms, the students are given concerned information regarding for the celebration of annual day. Scrutiny meeting also conducted as per requirement.

Planning

Meeting of principal with staff for planning, distribution of work, and then after function schedule is decided. Various internal committees are prepared to take related responsibility, meeting for the scrutiny

and related information also conducted. Meetings are conducted with participants for preparation and planning for practice and rehearsals.Informations prepared by the committee is sent to the administrative office of the HNGU, Patan within the specified time limits.

Purchase committee meeting

For preparation of various performances, required dresses and other necessary thing are listed and a budget is prepared and is given to purchase committee and principal for approval.

Meeting for planning to prepare:

For the preparation of various events of the competitions, professional guidance also provided. For this programme,We informed the students before 20days, in which students who were interested, they can registered their name with respect to according events. We complete our preparation for their rehearsal.

File Description	Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

The College provides a lot of welfare schemes to its staff and has been availed as and when they are needed.

There are 12 days of casual leave available for teaching staff and 15 days for non teaching staff.

The non teaching staffs avail 30 days of earned leave every year.

20 half pay leave or ten days leave can be commuted every year by every employee.

There is a provision to grant duty leaves to all the staff members to attend various training programs, orientation programme, refresher course, workshop,seminar,examination duties as per the Government rules

Male teachers can claim paternity leave as per Government rules.

Government offers group insurance schemes for all staff.

There is a registered co operative credit society in college, directed and managed by the staff. This credit society provides various services like deposit and loan to its share holders up to a limit.

Gratuity, pension and all other such Government welfare schemes and measures are given to the staff.

First aid box facility provide in all laboratory

Grievance redressals cell takes care of the complaints of the students.

Anti sexual harassments cell for prevention of sexual harassment of women at work place

Parking facility for staff and students.

Uniform for Class IV employees and security guards

Teaching	Loan facility from Credit Society, D.L for attending seminars, conferences
Non teaching	Loan facility from Credit Society, Uniform, 5 gm gold from staff contribution to Mr. P.S. Patel, Peon on the occasion of farewell of his retirement**.**
Teaching and non teaching	Financial support in the form of fees to the childrens of teaching and non teaching staff.
Teaching and non teaching	Felicitation of teaching and non teaching staff on the occasion of their achievements in various fields Staff.

File Description	Document
Any additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 32.29

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
00	11	11	14	00

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	View Document
Any additional information	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 2.2

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
04	00	01	03	03

File Description	Document
Reports of Academic Staff College or similar centers	[View Document](#)
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	[View Document](#)
Any additional information	[View Document](#)

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 24.39

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
01	03	10	06	07

File Description	Document
IQAC report summary	[View Document](#)
Details of teachers attending professional development programs during the last five years	[View Document](#)
Any additional information	[View Document](#)

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

1. It is mandatory as per the rule of Gujarat Higher Education Department to submit self appraisal report, which is evaluated by the Principal and submitted to Commissionerate of Higher Education, Gujarat.
2. For effective measurement of output of teaching, non teaching staff and institute, annual feedback is taken from the students, alumni and parents. This feedback analysis is helpful in identifying the strengths and weaknesses of the individuals and suitable actions are taken.
3. The teaching staff members are requested to submit their academic profile and credit score forms at the end of every academic year, which are endorsed by the principal and submitted to the HNGU, Patan. The principal encourages the faculty for better performance.
4. The following factors are deeply analyzed by the principal and IQAC in the appraisal system for teaching and non teaching staff

- Experience
- Innovative Teaching Practices
- Contribution in research
- Work discipline
- Support in the events
- College results

File Description	Document
Any additional information	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The Internal Audit is carried out by the Principal and the office superintendent of the college periodically.

- Generally, the accounts are updated on daily bases. The accountant and the principal jointly scrutinize the financial data on regular base.

The External Audit is done by registered Chartered Accountant named P.P. PATEL and Bros, Chartered Accountants, and Registration No FIRM REG.NO.107743W. Vakhariyavad, Nr. Dr Arun Parikh Hospital, Gandhi road, Himatnagar.-383001

Ph. 02772-246508.

In case of grants sanctioned by Gujarat Government, the audit is done by Government Auditor.

No objections have been raised in the audit.

If the funds are not utilize the auditor suggests corrections and we follow the suggestions given by him.

File Description	Document
Any additional information	[View Document](#)

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	[View Document](#)

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

Our college is a grant in aid college, so funds are generated through UGC grants, State government grants. The following are the sources through which the college secures funds:

UGC funds

State Governments Scholarships.

Funding from various Government heads like Saptadhara, Udisha, etc.

University assistance for different activities.

Fees are collected from self finance courses, deposited in the college account.

Financial assistance from management.

PG fees

Library fees

ECO club grant

Carrier guidance grant

The various systems to look into the effective use of financial resources are

The College Governing Body

Building Committee

Planning and Purchase Committee

Library Committee

Procedure of utilization of funds:

UGC funds are deposited in separate bank accounts and utilized as per the heads.

Student scholarship from Government are distributed only through there bank accounts.

Financial assistance from management is used for the salaries of all ad hock employees of our college.

The income from fees is spent on the maintenance of equipments of laboratory, furniture, library maintenance, sports facilities and updating of other facilities.

The Library fees are used for library requirements.

Proper accounts and utilization are ensured through financial audit which is conducted by chartered accountant, at the end of every financial years.

File Description	Document
Any additional information	[View Document](#)

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

Internal Quality Assurance Cell of the college was established in the year 2008. The IQAC is constituted of members as directed by the NAAC.

The IQAC of the college is a significant administrative body and since its inception. It is responsible for regularly, efficient and effective performance of academic and administrative tasks.

The IQAC meets twice a year to make assessment of the existing policies regarding teaching learning, infrastructure facilities, campus maintenance and other matters associated with the functioning of the college. The suggestions received during the meeting are noted down and action plan is designed to meet the requirements of the staff members and students. The committee also insists on systematic documentation and recording of all events in academic and extra academic activities. Our college is committed to use quality in all activities. The IQAC is actively involved in translating this policy into practice. Faculty members are motivated to present papers at various seminars and conferences. The members of the cell visit the departments, office and unit to monitor both the performance and the maintenance of proper records. They are encouraged to adopt innovative teaching methods and digital media. IQAC inspired to obtain Ph.D. guide ship.

File Description	Document
Any additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

The institute reviews its teaching learning process, structures and methodologies of operations and learning outcomes at periodic intervals through IQAC at departments and college level. Some of quality initiatives for improving the teaching learning process taken by the institute are, arrangement of expert seminars, feedback from the stake holders, extra classes for theory and practical, seminars, problem solving, book reviews, project work for PG students, field projects, field trips, add on courses, instrumentation training, internships etc.

These all initiatives have a remarkable impact in the quality assurance in teaching learning system. Two examples of institutional reviews and implementation of teaching learning reforms facilitated by the IQAC are as under

    1. **Result Analysis**

The first amendment and strengthening in the teaching learnling methodology was the result analysis of the UG and PG students. The Principal and IQAC felt that a detailed and comprehensive result analysis

identifying the strengths and weakness of students would allow the departments to arrange expert seminars, extra theory and practical session, faculty development programmes and use of more easy teaching methods through PPTs and thus produce better outcomes. This showed a steady upward trend in the teaching learning methods. Result analysis focuses on identification of the student strengths and weaknesses and implementation of novel strategies to make them more productive.

A meeting was held on the reopening of semester between IQAC and faculties to discuss about corrective measures to be taken wherever necessary for improving the academic achievements among student community, and the initiatives of the IQAC.

1. **Arrangement of Expert Seminars:**

Various types of expert seminars are conducted by the different departments on the different topics for UG and PG students at periodic intervals to make teaching learning process more effective.

File Description	Document
Any additional information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 3.8

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
07	03	05	03	01

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
Any additional information	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**

2. **Academic Administrative Audit (AAA) and initiation of follow up action**

3. **Participation in NIRF**

4. **ISO Certification**

5. **NBA or any other quality audit**

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: D. Any 1 of the above

File Description	Document
e-copies of the accreditations and certifications	[View Document](#)
Details of Quality assurance initiatives of the institution	[View Document](#)
Annual reports of institution	[View Document](#)

6.5.5 Incremental improvements made during the preceding five years *(in case of first cycle)* **Post accreditation quality initiatives** *(second and subsequent cycles)*

Response:

Post accreditation quality initiatives(*second and subsequent cycles*)

The institute was accredited "B" Grade by the NAAC in 2007. Since then institute taken remarkable measures to enhance the quality in all directions.

Following is the list of incremental improvements made for the preceding last five years

PTR Comment	Initiative taken
1. The college needs immediate improvement in catering more learning resources in the terms of spacious and better stocked library, latest lab equipment, a media centre, computer centre and ICT facility with broadband connectivity.	• Library is equipped with more reference books, encyclopaedias, CDs, N List etc. • College has purchased lab equipments for students use. • College has well equipped DELL lab with internet connectivity for students use • ICT facility : 05 ICT enabled classrooms
1. The faculty members are	• 07 Research project are submitted by faculty members to

to be motivated to develop research programmes by taking up more sponsored research project.	GUJCOST and UGC. From these only 02 are sanctioned by the UGC, but fund was not allotted.
1. Facilities for extracurricular and co curricular activities are to be improved exclusively for the college such as indoor games, multigym, auditorium and audio visual media.	• Hall No 05 is allotted for indoor games like table tennis, Carom, Chess etc. • Hall No. 03 is allotted for YOGA centre. • 05 Classrooms are equipped with power point projector. • Physics department has uploaded number of practical videos for students use on its departmental website • Faculty has uploaded PPTs on institutional website as e content.
1. A well structured programme for slow and advanced learners be developed.	• For Advanced learners Well structured activities are designed like formation of star batch, inspiration of advanced learners for research activities, instrumentation training sessions etc. • For Slow learners Different types of activities are conducted for slow learners like, preparation of assignments, personal counselling, question papers solving, practical guideline, guidance for project work and PPTs preparation etc.
1. Adequate attention on soft skill development, especially language English Proficiency and communication skills is to be given	• College has SCOPE centre for soft skill development, especially English Proficiency
1. More medals and prizes are to be provided to the rank scholars of different coursses.	• Every year in the annual function, the college toppers are awarded by medals and certificates by the institution.
1. The best projects in M.Sc. Courses may be identified for award of prizes to encourage quality works.	• The best project awards are given to the PG students to encourage their quality works.
1. Internship during vacation in industries or R and D labs may be arranged for PG students.	• For Internship, in different pharmaceutical industries are arranged for PG students by the chemistry department and for UG students by the microbiology department.
1. To asbestos roof of first floor classroom should be immediately changed to permanent structured.	• To remove this problem, new classrooms and one laboratory are constructed during the last five year.
1. The class furniture may be re designed to be user	• The classroom furniture like benches, boards an podiums are purchased for students use

	friendly		
1.	Cell for prevention of sexual harassment, grievance redressal may be established	•	Anti sexual harassment and grievance redressal committee is establish hed
1.	Greenary around the campus need to be improved.	•	Every year plantation drive is taken for greenness. The college campus has sufficient greenery and every year activities for green campus increased.

File Description	Document
Any additional information	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 10

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
05	00	01	3	1

File Description	Document
Report of the event	[View Document]()
List of gender equity promotion programs organized by the institution	[View Document]()
Any additional information	[View Document]()

7.1.2

1. **Institution shows gender sensitivity in providing facilities such as:**
   1. **Safety and Security**
   2. **Counselling**
   3. **Common Room**

Response:

In view of maintaining friendly environment among the students, a separate discipline committee has been constituted which monitors the campus for avoiding unfair incidences. The college campus is guarded with a stone masonry wall. A team of 04 guards secure the premises by patrolling, monitoring, surveillance and by deputing them at prominent places. The entire campus is under the CCTV vigilance. Faculty and staff members are cautious about safety and security of the students.

1. **Safety And Security**

1)Security guard:

The security guard available during college time in college campus for safety purpose. It is very important to provide safety and security to students and women employees in the college campus. If a student feels safe, she will definitely complete education.

2) CCTV system:

CCTV cameras are installed at various places to record the all activities of the people moving in the college premises. It provides safety measure to the college students and women employees. The college has also set up CCTV system at library and the college campus including, classrooms, laboratories, and parking.

3) Separate parking :

The college has separate parking for girls and boys students as well as staff.

4) Girls Hostel:

Our college has a separate girl's hostel building with full furnished facilities.

5) Compulsion of Identity Card for students:

In order to provide safety and security for girls, college doesn't allow any unknown person to enter on the college campus.

6) Campus inspection:

College discipline committee members and Physical director inspect campus every day as safety measure.

7) Organization of Gender Equity Programme:

Various types of gender equity programmes for girl students were arranged in the college campus.

8) First Aid kit and Fire extinguishers:

Students have access to first aid facilities especially in the chemistry departments which are useful during accident or injury situation. Fire extinguishers are kept in key area of college campus for safety purpose. All the laboratories are equipped with safety features.

9) Safety and Security cell:

College is having antiragging and anti sexual harassments cell for safety of students. Due to sincere efforts of this cell, We have not registered any case of untoward incident of eve teasing, ragging and harassment cases and complaints.

10)Health awareness:

In the beginning of the every academic year, we conduct Thalasemmia test and gives report with results. If there is anything we inform the parents giving them advice about their wards. If in the Chemistry laboratories, any accident occurred then we provide instantly co-operation to victim students by taking them nearby hospital. All the expenses are borrowed by the institution.

B) Counseling:

Career counseling cell and mentoring system are established to look after the mental health of students along with the career counseling and stress related issues. The students can approach the mentors with their problems and through discussions, the possible solutions are provided. Every year the institute organizes various counseling programmes such as workshops, special lectures and seminars and sessions to sensitize the students about gender equity by our NSS unit and career counseling cell.

C) **Common room:**

The college has set up separate room for girls to provide privacy recuperation. The room is attached with the washroom. Room is equipped with the essential amenities.

File Description	Document
Any additional information	[View Document](#)

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 0

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

7.1.3.2 Total annual power requirement (in KWH)

Response: 36.220

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	[View Document](#)
Any additional information	[View Document](#)

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 0.25

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 0.09

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 36.220

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

7.1.5 Waste Management steps including:
- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

- Proper waste management system is intended to reduce adverse effect on health and environment. The college looks after various options to reduce the production of different type of waste. The college authorities with the support of NSS accomplish the mission of reducing of waste material in the campus. The methods adopted by the institution to handle waste material graded as follow:

Solid Waste:

- Paper scrapes, file scrapes, glass bottle and plastic bottle scrapes, solid chemicals, glassware in the chemistry laboratory, waste plant materials in the Botany lab, various type of media in the microbiology laboratory.

Waste Management:

- Separate dustbin is kept in the all flores for collection of solid waste. Solid waste is collected and handed over by sweeper.
- News papers, magazine, paper scrapes, plastic and glass bottles are collected and ask scrap material collection person and sold for recycling purpose
- In order to vision of e-learning and to reduce the waste of papers, the departments have started providing the materials through e-content blog on the college website.
- Disposal of plastics materials is not allowed in the college premises. Banned of plastic carry bags in campus, preserve the campus as plastic free campus.
- In the chemistry laboratory the solid waste materials is collected through chemical waste pail, regular garbage, broken glass tote etc, and solid chemical waste disposed carefully into appropriate site, so that it should not have chance of any of danger for the environment.
- In the microbiology laboratory, adopted standard waste management system which include waste segregation followed by waste sterilization and if required them irichation.

Liquid Waste:

Waste:

- Rain water, drinking water, chemicals and stain reagents in the microbiology laboratory.

Waste Management:

- The college has big size underground water tank for rainwater storage which is useful in the chemistry laboratory during whole year.
- The wastage of water from drinking water plant is connected in botanical garden.
- In the Chemistry and Microbiology laboratory, the disposal of liquid waste is done carefully at proper site.
- Exhaust fans are installed in the laboratories. Waste chemicals in the laboratories are properly disposed by dissolving them in water or by keeping them in the protected zones; the different sectors of the institution promote conservation of natural resources by implementing different strategies with reference to utilization of water and energy.
- The wasted water from the washrooms is disposed off through underground sewer.

e-Waste:

- **Waste:** Spare parts of computer and electronics items.

e-Waste Management:

- The e–waste like spare parts of computers and electronics items are being stored properly at appropriate places. Some of the old computers are repaired and reused. Some of the unrepaired spoiled computers and electronic items are assembled in the store room.

- Periodic checking ensures that nonworking or old electronic equipments are filtered out properly. The institution also cares for the requisite attitudinal change in students. As such, there is minimum generation of e-waste.

File Description	Document
Any additional information	[View Document](#)

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Water harvesting is successfully done nearby chemistry store room and chemistry laboratory of science building of the college. This unit has been set up to meet the requirement of distilled water for the laboratory. During monsoon, a lot of water collected from the terrace of the college. A system has been developed by which the water gets collected in a huge underground water tank containing about 50000 liter capacities. This water is essential requirement for the conduct of practical in the chemistry subject. It is observed that the institution is saving rain water due to storing and reusing for practical purpose. The amount of water collected is so big that the water collected is sufficient for the laboratory usage by the students for the whole year. The institution aims to conserve water so that it is available for the future generation. We hope to build such an infrastructure in future, so that we could conserve water for future use also, besides raising the underground water level.

File Description	Document
Any additional information	[View Document](#)

7.1.7 Green Practices
- **Students, staff using**
  a) **Bicycles**
  b) **Public Transport**
  c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

The following practices are adopted by the institution to maintain the campus green.

1. Usage of Bicycles:

The Management has provided bicycles to peon staff for college work which save fuel and help in making college campus eco-friendly. Students are motivated to use bicycle but the response is not much encouraging.

2. Public Transport:

The college inspires the faculty and students to use public transportation. The college provides required documents to students for state transport division concession passes immediately after their admission. The state transport authority to arrange to distribute ST concession passes to college students. The bus from Himatnagar municipality comes to main gate of the college regular time interval. Majority of students use public transports.

3. Pedestrian Friendly Roads:

Though there are very broad roads spread in the campus, the authorities have appointed private security who regularize the traffic and monitor the smooth provision of the pedestrian facility in the College. There is a special passage for the safety of the pedestrians too.

4. Plastic Free Campus:

To make the college campus plastic free, students and staff are motivated to stop use of plastic in the campus. The NSS unit of the institution arranges plantation every year also.

5. Minimum use of papers:

Our college reduced the use of paper in premises by giving notice and information through e-mail, intercom, WhatsApp groups, social media to reach the students and staff. To decrease use of papers,

college has designed e-content portal on website for material of different subjects. White Boards, notice board are used to write and display important information to the students. The Physics department created their own departmental website. This website has played a major role in minimizing the usage of paper.

6. Green landscaping with trees and plants:

The NSS unit of the college arranges tree plantation drive every year. The Botany department, NSS unit and eco-club plays vital role checking and making efforts to make more and more attractive landscaping in the college premises. The Eco-club of the college has arranged poster presentation to create awareness among students for environment. The college has a well-maintained botanical garden with rich variety. The plate named for most of the herbs, trees, and shrubs have been planted in the botanical garden.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 0.89

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0.30	0.61	0.74	1.33	0.088

File Description	Document
Green audit report	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document
Any additional information	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. **Physical facilities**
2. **Provision for lift**
3. **Ramp / Rails**
4. **Braille Software/facilities**

5. Rest Rooms

6. Scribes for examination

7. Special skill development for differently abled students

8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: D. At least 2 of the above

File Description	Document
Resources available in the institution for Divyangjan	[View Document](#)
Any additional information	[View Document](#)
link to photos and videos of facilities for Divyangjan	[View Document](#)

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 1

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
01	00	00	00	00

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	[View Document](#)
Any additional information	[View Document](#)

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 2

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
01	01	00	00	00

File Description	Document
Report of the event	View Document
Any additional information	View Document

7.1.12
Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: No

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: No

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

File Description	Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 16

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
04	04	03	03	02

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Our college organizes national festivals such as Independence Day, National Yoga Day, Republic Day, Teacher's Day, etc. every year. These days are celebrated with utmost reverence and involvement, by arranging various competitions and guest lecturers for students. In connection with **Independence Day and Republic Day t**he college conducts essay writing competition, elocution competition, patriotic song competition. Moreover, the flag hoisting ceremony on Independence Day is held on a grand scale with participation of the staff members and students of all the institutes on the campus. The NSS volunteers welcome the guests with the Guard of Honor, and also make cultural performances.

Gandhi Jayanti is regularly celebrated by our college. This pious day begins with *Bhajans* of Gandhiji. The teachers and students carry out a rally with play-cards displaying the values popularized by Gandhiji. A quiz is also organized on the life of Gandhiji. The speeches are organized on Gandhiji's ideals too.

Swami Vivekananda: Youth Day (12th January) :This day is celebrated for the youth of the college. Spiritual lectures are held and competitions like elocution and quiz are arranged. Two minutes silence (maun) is observed at the beginning of the first lecture on the death of national hero.

International Yoga Day(21st June): Our college ground has been one of the few venues of the District level celebration of Yoga Day for last three years. The college organizes Yoga Training classes for the students and staff for Yoga Day.

Dr. Sarvapalli Radhakrishnan Birth day Anniversary (Teachers Day) (5th September) is celebrated on a grand scale in the college**.** The student's pay tribute to great teachers by performing the work of teachers for a day. All the positions of the college are handled by the students. At the end of the day, their real gurus are felicitated by them.

Gurpurnima is also celebrated with full zest. Students make tilak on the forehead of the teachers. A well-known scholar is invited to offer inspirational and motivational speech about the importance of Guru in life.

World AIDS Day: This day is celebrated on 1st December.

File Description	Document
Any additional information	View Document

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

Institute maintains complete transparency in its academic, financial and administrative disciplines as per UGC, State Government and University guidelines.

At Financial level:

Transparency at financial level is ensured through,

  The principal and accountant jointly scrutinize and verify financial data fortnightly.

  Financial audits are done at the end of year by registered chartered accountant.

At Academic and Administrative Level:

Transparency at academic and administrative level is maintain through,

•   Collection of personal profile of a teacher at the end of the year and analyzed by the principal.

•   Feedback collection of students, alumni and parents at the end of year and analyzed by the principal and IQAC, feedback analyzed and displayed on institutional website. In the admission process, we follow the rules and regulations of the Hemchandracharya North Gujarat, University, Patan.

•   Various activities performed by academic, administrative and support staff are under continuous surveillance by HODs, Principal and IQAC to maintain transparency in its functioning.

•   Department wise staff meeting and meeting with faculty are held by the principal as per need.

•   Internal marks are displayed on the notice boards to assure transparency and correctness before they are forwarded to the Hemchndracharya North Gujarat University, Patan.

•   The H.N.S.B. Ltd Science College itself not only reflects the image of transparency in finance, academic and administrative level but it can be seen in auxiliary functions of the college.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practice : 1

Title: Fostering Students and Faculties for Green Practices:

Goal:

- To enable the students and faculties to take interest in Green practices.
- To encourage behavior that will create a more sustainable future in term of environmental integrity, economic viability and a just society for present and future,

The Context:

- In the chemistry laboratory, during practical session accident occurs frequently due to use of harmful chemicals, practical and students injured, also it creates pollution and damage sustainability. So, this type of initiative creates awareness for environment among students and faculties.

The practices:

- Students are encouraged to present posters in the State/National/International level conferences on Green chemistry subject.
- To create awareness among student's community, Eco-club has arranged poster competition on save environment at college level.
- Various type of project work is given to PG students on environmental benign synthesis.
- Awareness is created among students about green methods which are useful in organic and inorganic qualitative analysis.
- E-content is developed by the faculties for students use.

Evidence of success:

- More than 92 students and faculties have presented posters on Green Chemistry topics at different level seminars.
- More than 75 students have completed their project work on environmental benign synthesis and reduce waste, save money, time and environment and also save energy.
- 13 students have presented posters on "Save Environment" topics at college level under the guidance of eco-club.
- Students are motivated for Eco-friendly methods which are useful on organic and inorganic qualitative analysis.
- One state level seminar is organized by the chemistry department on "RECENT GREEN TRANDS IN CHEMICAL SCIENCES" in 2015-2016. Total 17 posters are presented on Green chemistry subjects.
- One of our PG student Mr. Arun Malaviya won award in the state level seminar on Eco friendly synthesis of Schiff base using natural acid catalysts, Mr. Kuldeep Chauhan won third prize in the

state level seminar and 05 students of B.Sc won 1st and 3rd prize at regional level seminar.

Problems Encountered and Resources Required:

- The institution has no authority for changing of practical syllabus
- No availability of green technologies at college level, so, more funds require for green chemistry practical at college level.

Best Practice : 2

Field Project on Microbiological Water Analysis of Moti vahorwad:

Goal:

- To create awareness among students and society about diseases obtain due to contaminated drinking water.
- To aware authorities about contaminated drinking water supplied by the Nagarpalika.

The Context:

- Motivahorad area is situated in the Himatnagar. In the month of September to October number of cases of Diarrhea, Vomiting, Dengue and Typhoid were observed in each house of the area. The complaint of the people was that the potable water supplied by the Nagarpalika is very dirty and cannot use for drinking purpose. So, to know the reasons of this problem, we have started project of Microbiological water analysis.

The practices:

- Water is collected from Moti vahorwad area of Himatnagar in sterile screw cap water bottle, after that perform SPC for quantitative analysis and MPN for qualitative analysis of water. We have also performed MTF for confirmation of fecal contamination. Based on data analysis of those three test, we have prepared water analysis report.

Evidence of Success:

- We found that dirty water supplied was used in this particular area and this water may be responsible for particular diseases.
- Our study suggests that there was interested bacterial contamination of water from the source and points of use, which was the one reason in our study.

Problems Encountered and Resources required:

Less support of society members and less interest of students is a little problem for this project.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

The institution is quite aware about the mission and vision. Still, fostering students for research activities is our remarkable activity of our institution and performance distinctive to its vision, priority and thrust.

Vision: To see the youth in their pursuit of excellence approach, life scientifically, behave morally and shoulders duties, responsibility toward the making of the state and the nation. To equip science graduate with skills of practical use.

Priority: Enable the students with skills of practical use and exploration of scientific knowledge through research.

Thrust: To find out student's latent, quality and interest for research.

Research plays a key role in the development of the nation. In order to inspire and motivate student for research, it is very essential to create research ambiance among the P.G. Students.

The PG Chemistry department of the college encourages students towards research activities. These activities provide an opportunity to pursue research in a topic within the broad area of the student's interest. We motivate and inspire our advanced learner for participation and presentation of their research articles in the regional, state, national and international level seminars and conferences. These distinctive activities of our college enable the students to investigate in depth a problem of scientific relevance, to survey recent research in a chosen topic, to acquaint with research methods applicable to the topic, to organize and carry out a participative study and also to develop writing and presentation skills for scientific communication. As a result 04 students have presented posters at international level conferences, 66 students have presented posters at national level, 81 students have presented posters at state level and 48 students have presented posters at regional level conferences. Moreover 04 students have published research paper in the research journals.

Outcomes,

As we have succeed in inculcating research culture among PG students, students are actively participating in the seminars and conferences organized by colleges and universities. Our students have won ranks and awards at regional, state and national level conferences in the oral and poster presentation events. Totally 07 awards won by the students in the regional, state and national level conferences and also two students got first rank in the oral presentation at state level seminar or conference.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

5. CONCLUSION

Additional Information :

The college has made remarkable improvements in various domains of its activities during the last five years. following are some of the noteworthy achievements in the last five years.

1. Three students of the college in the subject of Physical Chemistry, Microbiology and Botany achieved 1st rank in the University.

2. Two of the faculty members from Chemistry and Physics are succeed in the GPSC examination.

3. One of the faculty member from Microbiology department is succeed in NET examination.

4. One National level and one State level seminar is organized by Chemistry and Library department.

5. Four of the faculty members from Chemistry department are selected as a guest editor in the special issue of Novel Organic Chemistry, Science Journal of Chemistry, New York.

6.Botany programme is started at UG level.

7.The college has entered into 23 linkages and 28 MOUs with various educational, social institutios and industries.

8. One of the faculty from Chemistry is selected as a sectional president in the 5th International Science Congress,2015, at Kathmandu, Nepal.

Concluding Remarks :

The efforts have been implemented as per recommedations by the previous NAAC team.All members of college, the Managemant, the Principal, teaching and non teaching staff unitedly work to achieve this fundamental aim of the institution. The institution is committed and fully devoted to impart quality education to the prime stake holders. The institute is continuously upgrading teaching- learning and research environment, facilities, infrastructure, industry interaction, co-curricular and extra curricullar activities to respond the changing educational needs of present generation which cater to the comprehensive development of the students. Also the institute carries out its social responcibilities by engaging local communities to bring them into main stream through extension activities. Through these activities, students get exposoure to social realities which help in developing social commitment. The institution looks forward to further steps in the process of getting NAAC accreditation with best rank.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.2	Number of certificate/diploma program introduced during the last five years 1.1.2.1. **Number of certificate/diploma programs introduced year-wise during the last five years** Answer before DVV Verification: <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td></tr></table> Answer After DVV Verification : <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td></tr></table>
1.1.3	Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years 1.1.3.1. Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years Answer before DVV Verification: <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>1</td><td>2</td><td>3</td><td>2</td><td>2</td></tr></table> Answer After DVV Verification : <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>0</td><td>1</td><td>0</td><td>0</td><td>2</td></tr></table>
1.2.1	Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years 1.2.1.1. How many new courses are introduced within the last five years Answer before DVV Verification : 16 Answer after DVV Verification: 34
1.2.2	Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented 1.2.2.1. Number of programmes in which CBCS/ Elective course system implemented. Answer before DVV Verification : 05 Answer after DVV Verification: 05

1.2.3	Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

1.2.3.1. Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
71	22	36	14	26

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
20	22	36	00	26

Remark : As per the HEI data attached with the Metric in response. The HEI in 2019 has 06 days of courses with only 2.5 hrs per day. Similarly in 2015-16 01 hr per day for 10 days does not provide 30 contact hrs teaching. This is 15 contact hours and not more than 30 hrs.

1.3.2	Number of value added courses imparting transferable and life skills offered during the last five years

1.3.2.1. Number of value-added courses imparting transferable and life skills offered during the last five years
Answer before DVV Verification : 8
Answer after DVV Verification: 4

1.3.3	Percentage of students undertaking field projects / internships

1.3.3.1. Number of students undertaking field projects or internships
Answer before DVV Verification : 122
Answer after DVV Verification: 83

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

2.3.2.1. Number of teachers using ICT
Answer before DVV Verification : 22
Answer after DVV Verification: 20

Remark : As per the HEI data attached with the Metric in response. The HEI did not provide a list of the faculty members and ppt by the faculty.

2.4.4	Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
7	4	3	5	2

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

2.6.3	Average pass percentage of Students

2.6.3.1. Total number of final year students who passed the examination conducted by Institution.
Answer before DVV Verification : 342
Answer after DVV Verification: 308
2.6.3.2. Total number of final year students who appeared for the examination conducted by the institution
Answer before DVV Verification : 368
Answer after DVV Verification: 337

Remark : As per the HEI data attached with the Metric in response. Only first time appearing students and their result is considered.

3.1.2	Percentage of teachers recognised as research guides at present

3.1.2.1. Number of teachers recognised as research guides
Answer before DVV Verification : 11
Answer after DVV Verification: 07

Remark : The HEI has attached only 07 recognition as research guides from the affiliating university. The HEI is research centre for the affiliating university and the recognition of the other universities expired when the faculty left its previous college. These are dated 2008 and 2009 and not considered.

3.2.2	Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

3.2.2.1. Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years
Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
03	03	00	01	01

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15

00	01	00	00	00

Remark : Activity of 17 Mar 2018 is related to patents and is considered. Activity of Apr 2019 is repeat and a shadow.

3.3.3	Number of Ph.D.s awarded per teacher during the last five years 3.3.3.1. How many Ph.Ds awarded within last five years Answer before DVV Verification : 07 Answer after DVV Verification: 01 3.3.3.2. Number of teachers recognized as guides during the last five years Answer before DVV Verification : 07 Answer after DVV Verification: 04 Remark : The HEI has claimed PhD under the guidance of Dr Prajapati and Dr Parmar who do not have approval as PhD supervisors. Only PhD under Dr Gadhawala (03) could be considered. However out of these only dr Moustakali is awarded PhD by the affiliating university.

3.3.4 — Number of research papers per teacher in the Journals notified on UGC website during the last five years

3.3.4.1. Number of research papers in the Journals notified on UGC website during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
06	09	14	20	41

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
01	01	00	10	00

3.3.5 — Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

3.3.5.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
05	05	01	08	07

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15

| 05 | 05 | 01 | 08 | 07 |

3.4.2	Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

3.4.2.1. Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
00	01	01	02	01

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	00	01

Remark : Only recognition and letter of Appreciation by the Indian Red Cross Society Himmatnagar Chapter is considered as ecognition received for extension activities from Government /recognised bodies. HDFC is a pvt banking company and not Blood Collection /Donation recognised body.

3.4.3	Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

3.4.3.1. Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
10	10	14	12	14

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
05	06	05	2	8

Remark : As per the HEI data attached with the Metric. Only extension programs through NSS and Red cross society are considered. The HEI has included Industrial Training of PG Chemistry Student, Industrial visits, Field Project, Personality Development Camp Sophisticated Instrumentation training, Digital India Work shop, Students Science and Technology Project, Workshop on UGC CSIR NET, Computer Introduction Training Camp etc as extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc. These have not been considered.

3.4.4	Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

3.4.4.1. Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
260	00	630	770	593

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
260	00	64	249	381

Remark : As per the HEI data attached with the Metric in response. The HEI has claimed the same activities as in 3.4.3. Activities through NSS/NCC are not considered.

3.5.2	Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

3.5.2.1. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
06	04	05	06	07

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
06	03	05	06	03

4.1.3	Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

4.1.3.1. Number of classrooms and seminar halls with ICT facilities
Answer before DVV Verification : 05
Answer after DVV Verification: 05

4.1.4	Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

4.1.4.1. Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
37.04	25.69	2.54	2.2	0.0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
37.04	25.7	2.54	2.12	0.0

Remark : As per the HEI data attached with the Metric in response.

4.2.3	Does the institution have the following:

1. e-journals

2. e-ShodhSindhu

3. Shodhganga Membership

4. e-books

5. Databases

Answer before DVV Verification : A. Any 4 of the above
Answer After DVV Verification: C. Any 2 of the above
Remark : Subscription to NList provide access to only 02 of the listed items. National Library and Information Services Infrastructure for Scholarly Content (N-LIST) is the college component of eShodh Sindhu. It provides access to e-resources to students, researchers and faculty from colleges and other beneficiary institutions through server(s) installed at the INFLIBNET Centre. The HEI has subscribed to NList (e-journals and e-books)(e-Shodh Sindhu is part of NList).

4.2.4	Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

4.2.4.1. Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
0.77	1.15	0.79	1.05	1.47

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15

0.4	0.8	0.06	0.7	1.19

Remark : As per the HEI data attached with the Metric in response.

4.2.6	Percentage per day usage of library by teachers and students 4.2.6.1. Average number of teachers and students using library per day over last one year Answer before DVV Verification : 37 Answer after DVV Verification: 15 Remark : As per the HEI data attached with the Metric in response.
4.3.4	Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS) Answer before DVV Verification : Yes Answer After DVV Verification: No Remark : As per the HEI ststement to the Metric in response.
5.1.1	Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years 5.1.1.1. Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
285	196	188	207	194

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
46	00	00	00	00

Remark : As per the HEI data attached with the Metric in response. The HEI has provided limited data in the form of list of the beneficiaries. The HEI has provided data only for 2018-19 and not the other years. The HEI was requested to provide English translation of documents where ever needed and to provide sanction letters of scholarships for each scheme. These have not been provided.

5.1.3	Number of capability enhancement and development schemes – 1. For competitive examinations 2. Career counselling 3. Soft skill development

4. Remedial coaching

5. Language lab

6. Bridge courses

7. Yoga and meditation

8. Personal Counselling

Answer before DVV Verification : B. Any 6 of the above

Answer After DVV Verification: C. Any 5 of the above

Remark : As per the website (http://www.hnsbscihmt.org/act_cap.php) Yoga and meditation Soft skill development Personal Counseling Career Counseling and Guidance for competitive examination are provided.

5.1.4	Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

5.1.4.1. Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
247	62	185	515	206

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
132	132	00	150	158

Remark : As per the HEI data attatched with the Metric.

5.1.5	Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

5.1.5.1. Number of students attending VET year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
190	34	03	26	00

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
83	00	00	03	00

	Remark : Only Training of Preparation of Tablets, measurement of Hardness Friabilitr (??). Preparation of Fruits Juices & Jellies and Vocasional training as Chemical Plant Operator at DDU, Nadiad. (03 in 2015-16 and 12 in 2018-19) the count for course 11 May 2019 to 31 Jul 2019 is part of 2019-20 and is less than 3 monthes and cannot be considered as VET. Internship is not VET.
5.2.3	Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations) 5.2.3.1. Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years Answer before DVV Verification: {{TABLE1}} Answer After DVV Verification : {{TABLE2}} 5.2.3.2. Number of students who have appeared for the exams year-wise during the last five years Answer before DVV Verification: {{TABLE3}} Answer After DVV Verification : {{TABLE4}} Remark : The HEI has claimed recruitment in ARMY,Home Guard, Maha. Police, Coast Guard and as Labour Officer as qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations). This placement/ recruitment is not at par with the national exams.
5.3.1	Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years. 5.3.1.1. Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year-wise during the last five years Answer before DVV Verification: {{TABLE5}}

Table 1 (5.2.3.1 before DVV):

2018-19	2017-18	2016-17	2015-16	2014-15
03	08	03	01	00

Table 2 (5.2.3.1 after DVV):

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	00	00

Table 3 (5.2.3.2 before DVV):

2018-19	2017-18	2016-17	2015-16	2014-15
03	08	03	01	00

Table 4 (5.2.3.2 after DVV):

2018-19	2017-18	2016-17	2015-16	2014-15
03	08	03	01	00

Table 5 (5.3.1.1 before DVV):

2018-19	2017-18	2016-17	2015-16	2014-15

| 01 | 04 | 01 | 02 | 01 |

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

5.3.3	Average number of sports and cultural activities/ competitions organised at the institution level per year

5.3.3.1. Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
450	31	209	203	252

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
10	06	06	09	07

Remark : The activity Youth Festival would comprise of Rangoli Competition Menhdi Competition Spot Photograpy Competition Drawing Competition Drama Smasan Yatra Eassy Competition Speech Competition Quiz Compedtition Poster Presentation on Save Envirnment Geet and Dance Competition etc and hence counts 01 activity. Similarly Athletics comprises of large number of events but is 01 activity. Teachers' day, Best Out of Waste Competition Kavya Lekhan Competition Debate Competition Silver Jubilee Logo Competition Chemistry Quotes etc are not sports and cultural activities / competitions and not considered.

5.4.3	Number of Alumni Association / Chapters meetings held during the last five years

5.4.3.1. Number of Alumni Association /Chapters meetings held year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
01	01	00	01	01

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1	00	00	0	0

Remark : There are no details or proof of existence of the Alumni Association. The college website does not provide a link for the Association and its meetings. The HEI has not provided

undated copy of proposed bye laws. The convenor of the association is Asst Prof with the president and other alumni non fuctional. or a list of the executive. The copy of circular/brochure of such meetings/ chapters. The college website does not provide a link for the Association and its meetings. The HEI has not provided any support proof, bye laws or a list of the executive. The HEI was requested to upload through a link on its website with the details and structure of the alumni association. A copy of the letter of formation and rules of the association was to be provided, the same is undated. The HEI has not attached photographs of the meetings except for Jul 2018.

6.2.3	Implementation of e-governance in areas of operation
	1. Planning and Development
	2. Administration
	3. Finance and Accounts
	4. Student Admission and Support
	5. Examination
	Answer before DVV Verification : A. All 5 of the above
	Answer After DVV Verification: C. Any 3 of the above
	Remark : The HEI has attached lease line invoice that is part of 4.3.3 and not Implementation of e-governance. Similarly SOUL is Library management System. Only Admission and support (by invoice), Examination (under university) and Administration through Directorate of Higher Education considered.

6.3.4	Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

6.3.4.1. Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
03	06	14	06	07

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
01	03	10	06	07

Remark : The HEI has claimed Mr.PRADIPKUMAR V. DHOLAKIA and Mr.Pradipkumar Vallabhdas Dholakia as two teachers in the same year. In year 2017-18 onloy 03 certificates attached.

6.5.3	Average number of quality initiatives by IQAC for promoting quality culture per year

6.5.3.1. Number of quality initiatives by IQAC for promoting quality year-wise for the last five

years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
09	04	06	04	03

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
07	03	05	03	01

7.1.1	Number of gender equity promotion programs organized by the institution during the last five years 7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years Answer before DVV Verification: 	2018-19	2017-18	2016-17	2015-16	2014-15
05	00	01	05	04 | Answer After DVV Verification : | 2018-19	2017-18	2016-17	2015-16	2014-15
05	00	01	3	1 | Remark : Activity of 05 Mar 2015, 01 Oct 2015, 04 and 14 Feb 2016, considered. Tug of War is not gender equity promotion programs and not considered.
---	---
7.1.3	Alternate Energy initiatives such as: 1. Percentage of annual power requirement of the Institution met by the renewable energy sources 7.1.3.1. Annual power requirement met by the renewable energy sources (in KWH) Answer before DVV Verification : 36.220 Answer after DVV Verification: 0 7.1.3.2. Total annual power requirement (in KWH) Answer before DVV Verification : 36.220
7.1.9	Differently abled (Divyangjan) Friendliness Resources available in the institution: 1. Physical facilities 2. Provision for lift 3. Ramp / Rails 4. Braille Software/facilities 5. Rest Rooms

	6. Scribes for examination 7. Special skill development for differently abled students 8. Any other similar facility (Specify) Answer before DVV Verification : C. At least 4 of the above Answer After DVV Verification: D. At least 2 of the above Remark : The HEI has provided proof of 01 ramp. (The Divangjan has parked his scooter where there is no ramp or even rails to climb the stairs). Scribe provision is considered. The rest room is not the special toilet for Differently abled.
7.1.10	Number of Specific initiatives to address locational advantages and disadvantages during the last five years 7.1.10.1. Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years Answer before DVV Verification: 	2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
01	01	00	01	01 | Answer After DVV Verification : | 2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
01	00	00	00	00	 Remark : Only visit to Mamta Shishu Centre for the differently Abled children is considered. BSNL is not location dependent.
7.1.11	Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere) 7.1.11.1. Number of initiatives taken to engage with and contribute to local community year-wise during the last five years Answer before DVV Verification: 	2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
02	00	00	02	05 | Answer After DVV Verification : | 2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
01	01	00	00	00	 Remark : Only 01 activity each in 2017-18 (May 2018) and 2018-19 (July 2018) considered. The donation collection of Peon of Sister is covered (supported) in document which are in regional language and no translation provided.
7.1.12	Code of conduct handbook exists for students, teachers, governing body, administration including

	Vice Chancellor / Director / Principal /Officials and support staff Answer before DVV Verification : Yes Answer After DVV Verification: No Remark : What the HEI has provided is the Code of Conduct of the university and not that of the HEI.
7.1.14	The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations Answer before DVV Verification : Yes Answer After DVV Verification: No Remark : While the summary of the attached data in response does mention some activities, none of the claimed activities related to to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations are included in supported documents, Yoga and Cleanliness or Volley ball have been included elsewhere. The HEI has claimed 15 08 2018 as 25 the Independence Day (not considered). Only environment (7.1.17 also) could be considered but none related to national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations.
7.1.17	Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years 7.1.17.1. Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years Answer before DVV Verification: 	2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
08	09	07	07	05 | Answer After DVV Verification : | 2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
04	04	03	03	02	

2.Extended Profile Deviations

ID	Extended Questions
1.1	Number of courses offered by the institution across all programs during the last five years Answer before DVV Verification : 145 Answer after DVV Verification : 145
2.2	Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the

last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
667	697	760	720	633

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
204	213	233	224	195

2.3	Number of outgoing / final year students year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
338	365	332	303	295

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
337	366	333	303	295

3.2	Number of sanctioned posts year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
24	24	23	23	23

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
23	23	22	22	22

4.2	Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
68.65	75.40	82.58	381.94	49.77

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
68.65	75.40	82.58	61.95	49.77