



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	THE HNSB.LTD. SCIENCE COLLEGE
Name of the head of the Institution	B.S.Patel
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02772-232667
Mobile no.	9904003218
Registered Email	scihmt@yahoo.co.in
Alternate Email	dr.bipin_patel@yahoo.com
Address	College Campus, Motipura, Himatnagar
City/Town	Himatnagar
State/UT	Gujarat
Pincode	383001

2. Institutional Status

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed and grant-in-aid
Name of the IQAC co-ordinator/Director	Dr. Z.M.Ghadhawala

Phone no/Alternate Phone no.	02772228925
Mobile no.	9426575775
Registered Email	zmgadhawala@yahoo.co.in
Alternate Email	zakirhusengadhawala@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.hnsbscihmt.org/minutes_aqar.php
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4. Whether Academic Calendar prepared during the year	Yes
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if yes, whether it is uploaded in the institutional website: Weblink :	http://www.hnsbscihmt.org/upload/naac/academiccal.pdf
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5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.06	2008	04-Feb-2008	03-Feb-2013
2	B	2.05	2021	16-Mar-2021	15-Mar-2025

6. Date of Establishment of IQAC	01-Feb-2008
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/beneficiaries
IQAC meetings with stake holders IQAC meet-1	17-Jun-2019 1	16
IQAC meet with faculty- 1	17-Jun-2019 1	34
IQAC meet with Admin & supporting staff -1	20-Jul-2019 1	18
IQAC meet-2	30-Nov-2019 1	15

IQAC meet with faculty- 2	09-Dec-2019 1	26
Alumni meet	24-Nov-2019 1	104
Parents meet	15-Sep-2019 1	82
Feedback Collection, Analysis and Action taken	27-Feb-2020 15	659
Designing of Activities of Slow and Advanced Learners	09-Dec-2019 20	26
Designing of Activities of Mentor mentee system	09-Dec-2019 20	26

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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
The HNSB. Ltd. Science College	CPE	UGC	2019 00	0

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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

7

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

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11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

Academic Calendar for the year 2019-20 was more holistic in approach and its successful implementation was monitored by the IQAC

MOUs and Linkages with various educational institutes, NGOs and pharmaceutical industries are done.

Successfully organized certificate courses, field projects, field trip, internships and trainings for students

Organized various activities to enhance gender activities, social responsibilities through NSS and SSU

Inspired faculties for research participation and publications

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

Plan of Action	Achivements/Outcomes
Submission of AQAR of the last year	AQAR of the 201819 is successfully submitted by the IQAC
Prepare a academic calendar	Students centric academic calendar is prepared successfully
Feed backs of different stake holders	Feedbacks are collected, analysed and action taken done
Signing of MOUs, Linkages	Signed MOUs and Linkages with various pharmaceutical industries, educational institutes and NGOs for educational activities
Systemized Certificate courses	02 certificate courses are completed by the Chemistry and Physics department
Encouraged students for Internships and trainings	Internships and instrumentation trainings completed by the Chemistry and Microbiology department
Inspired departments to organize subject expert lectures	05 lectures are arranged by the Chemistry UG and PG department

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14. Whether AQAR was

Yes

placed before statutory body ?

Name of Statutory Body

Meeting Date

Himatnagar Kelvani Mandal

18-Mar-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

21-Jan-2020

17. Does the Institution have Management Information System ?

Yes

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

Information of research activities, committee reports, feedbacks of stake holders and personal achievements of the faculties was received through Google form. Physics department have designed their own educational web site for students. Students and faculties are downloaded University mark sheets and used university examination papers on online base. College campus is equipped with CCTV camera system... M.Sc. Admission was completed on online by the university. Data required by the university is sent by online. Finance, accounting, and transaction with bank are conducted online. Biometric attendance system is applied for teaching and nonteaching staff. Library is automated and uses software SOUL. Research publications and book publications are done in e-version. Faculty uses power point projector in the classes for teaching purpose. SCOPE and DELL centre are available for students for computer knowledge.

Part B

CRITERION I - CURRICULAR ASPECTS

1.1 - Curriculum Planning and Implementation

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

The College effectively plans and monitors the academic, curricular and extension 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 college prepares academic calendar in line with the University academic calendar at the beginning of the academic year and upload it on college website. The Principal conducts meeting with the IQA and HODs regarding smooth implementation of the academic calendar. Different strategies which are designed by each department to ensure effective curriculum delivery through well planned and documentation process.

1. Departmental meetings
2. Designing of departmental time table in line with college time table
3. Designing of theory and practical teaching plans
4. Syllabus completion plans of each faculty
5. Distribution of units of courses.
6. Designing of Cos, POs and PSOs
7. Planning of project work, certificate courses, field projects, field trips and industrial visits, trainings, internships, expert lectures, ICT enable teaching and CIE.

1.1.2 - Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Medicinal Chemistry	nil	20/01/2020	10	Employability and entrepreneurships	Synthesis and analysis skill
Nuclear Physics	nil	24/06/2019	91	Employability and entrepreneurships	Analytical skill

1.2 - Academic Flexibility

1.2.1 - New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc	nil	15/06/2019

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	Sem 1 and 2	15/06/2019
MSc	Sem 1 and 2	15/06/2019

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

	Certificate	Diploma Course
Number of Students	61	Nil

1.3 - Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Entrepreneurships and leaderships development	15/06/2019	316
Environmental sciences	14/11/2019	316
Indian constitution	15/06/2019	305
Naturopathy	14/11/2019	304
Value oriented education	15/06/2020	277
Human rights	14/11/2019	268

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1.3.2 - Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled Field Projects / Internsh
BSc	Field Project on Water analysis of S.K.district	219
BSc	Field Project on Microbiological analysis Food	45
BSc	Field Project on Plant flora of Himatnagar	49
BSc	Internship at YASH Medicare PVT. Ltd, Montage Laboratory Pvt. Ltd. And Sabar Dairy	29
MSc	Internship at Sanjar Pharma LLPs	2

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1.4 - Feedback System

1.4.1 - Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 - How the feedback obtained is being analyzed and utilized for overall development of the institutio (maximum 500 words)

Feedback Obtained

Feedback from students, teachers, employers, alumni, and parents are proactively utilized for enhancing the overall development of the institution. The institute conducts student feedback process to improve teaching, infrastructure, and the entire learning experience for the student during their tenure through online base at the end of year for curriculum, faculties and institute. These feedbacks are analysed, and solutions are sought through discussion. Every year, institution organizes alumni meeting They interact with faculty members and students, sharing their knowledge with stakeholders which makes strong bridge for getting training, internships, placement, experts etc. These feedback suggestions are discussed in the staff meetings and corrective measures are implemented. The College organizes PTA meet once in a year. Valuable suggestions given by the parents are duly taken note. Necessary action is taken with respect to the grievances and valuable suggestions of the parents. The feedback of stakeholders is considered as a valuable source of information to measure their level of satisfaction.

CRITERION II - TEACHING- LEARNING AND EVALUATION

2.1 - Student Enrolment and Profile

2.1.1 - Demand Ratio during the year

Name of the	Programme Specialization	Number of seats	Number of Application	Student
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Programme		available	received	Enrolle
MSc	Chemistry	65	65	65
BSc	Chemistry Botany Microbiology	375	1125	316

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2.2 - Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching bc UG and PG courses
2019	898	111	22	Nil	10

2.3 - Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources techniques used
22	22	8	5	Nil	8

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

The institution follows a mentor mentee system effectively throughout the year. A batch of students is allotted to a mentor who closely monitors the academic progress of the mentees. The mentors keep track the performance of the mentees. The mentor mentee relationship goes beyond the realm of only curricular and syllabus and encompasses the personal lives of the students. To improve performance of the student with respect to regularly attendance in theory and practical sessions, results, participation in activities career, and personal counselling the institution have designed mentoring system which makes strong bridge between faculties and students. In the beginning of the academic year different faculty members of various committees mentoring the students of Sem I for built a career in B.Sc. with different subjects, college facilities and departmental activities. Students can approach the mentor for both academic and personal problems. They offer counselling regarding academic, examination, and career, curricular and co-curricular activities well as stress related issues. The College faculties are mentoring the students for research activities as well as about their doubts of theory and practical curriculum. In the PG department students mentoring about project work, problem solving, and seminars and for book review. Our star batch committee is mentoring high learners for achieving good marks in the university exam

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1009	22	1 : 46

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers appointed during the year

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

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship received from Government or recognized bodies
2019	nil	Professor	nil

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2.5 - Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MSc	1	4	23/04/2020	31/12/2020
MSc	1	3	23/10/2019	16/06/2020
BSc	1	1	23/10/2019	06/06/2020
BSc	1	2	23/04/2020	31/12/2020
BSc	1	3	23/10/2019	16/06/2020
BSc	1	4	23/04/2020	31/12/2020
BSc	1	5	23/10/2019	16/06/2020
BSc	1	6	23/04/2020	24/11/2020
MSc	1	1	23/10/2019	16/06/2020
MSc	1	2	23/04/2020	31/12/2020

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

As an affiliated college, evaluation norms of the university are followed. College has adopted a method of assessing the academic performance of the students on a continuous basis. Semester examinations are held as per HNGU schedule at the semester end in U.G. and P.G. Classes. The evaluation process adopted by the institution has two components, viz, 1. Continuous Internal Evaluation 2. Internal Examination. The ratio of weightage is 30 in CIE and 70 in Internal Exams for UG for theory and 30 in CIE for each paper and 70 in Internal Exams for PG. For effective implementation of internal examination system at the institutional level the institute conducts continuous unit test in each paper in B.Sc. and one pre university exams per course per semester for rest of the semester. Internal examination marks are shown to students for transparency before the marks are forwarded to the examination department. CIE component includes MCQs, home assignments, practical, Viva voce at UG level as well as Problem solving, Book review, Subject seminar, Project work, Quiz and Practical exams at PG level. P.G. Students submit their internal evaluation report to their respective guides which evaluated for internal evaluation marks. Current year all University examinations taken on online base due to Covid 19 pandemic situation.

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

The institution adheres to the academic calendar for the conduct of CIE. The academic year generally starts in the month of June and the academic activities of the college are planned by a committee consisting of principal, IQAC, HODs and senior faculty members. Academic calendar is prepared by the committee stating all the activities that should be followed throughout the year. In the beginning of the academic year, academic calendar is published by the University. The college carries out effective planning to follow to university academic calendar and prepared its own academic calendar for examination schedule and other curricular and Co curricular activities. This allows the teachers and students to space out their teaching, learning and regular assessment of the same. The college has designed various committees to adhere the examination schedule as well as various competitions at college level and university level. Keep in mind academic calendar, the various committee members plan different activities for stakeholders like talk of alumni, parents meeting, instrumentation training, industrial visit, industrial training, NSS camp, Sports etc. Moreover examination committee scheduled internal theory and practical examination programs on the base of syllabus competition. Internal exams schedule is generally followed on the month mentioned in the academic calendar

2.6 - Student Performance and Learning Outcomes

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

http://www.hnsbscihmt.org/program_co.php

2.6.2 - Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percent
1	MSc	Chemistry	46	40	87
1	BSc	Chemistry Micro Botany	304	300	99

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2.7 - Student Satisfaction Survey

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

http://www.hnsbscihmt.org/minutes_students.php

CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during year
Minor Projects	00	ugc	0	0

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3.2 - Innovation Ecosystem

3.2.1 - Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovat

practices during the year

Title of workshop/seminar	Name of the Dept.	Date
One Day SSIP Seminar	SSIP Cell, Pramukh Swami Science College, Kadi	10/01/20
Gujcost sponsored state level seminar on IPR and Patent	Sir P.T Sarvajani College of Science, Surat	21/01/20
Seminar on IPR, Patent and Copyrights	Incubation Cell	15/02/20
Workshop on IPR	Incubation Cell	13/04/20

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Fire Safety Device	Lokesh M Prajapati	SSIP Gujarat, Sir P.T.Science College, Modasa	31/08/2019	Student

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
HNSB Incubation Centre	HNSB Incubation Centre	The HNSB Ltd Science College	na	na	15/06/20

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3.3 - Research Publications and Awards

3.3.1 - Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

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

Name of the Department	Number of PhD's Awarded
Chemistry, Physics, Botany, Micro	Nil

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

Type	Department	Number of Publication	Average Impact Factor (any)
National	Chemistry, Physics, Botany, Micro	Nil	00

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

Department	Number of Publication
physics	1
chemistry	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
nil	nil	nil	2019	0	nil	Nil

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Nil	Nil	Nil	2019	Nil	Nil	Nil

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	5	14	Nil	1
Presented papers	Nil	3	Nil	Nil
Resource persons	Nil	Nil	Nil	1

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3.4 - Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Contribute to Blindness	NSS	10	157
Annual Camp at Pedhamli	NSS	1	41
Celebration of Gandhi Jyanti	NSS	5	64
International Yoga Day	NSS	40	134
NSS Orientation Program	NSS	3	112
Celebration of Gurupurnima	NSS	11	132

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefitee
Nil	Nil	Nil	Nil

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated such activities
Gender Issue	Women Cell	Women Empowerment	5	260
AIDS Awareness Program	Youth Committee	AIDS Awareness	15	350
Swatchh Bharat	ECO Club	Care of Plants in College	1	22
Swatchh Bharat	ECO Club	Tree Plantation	4	15
Swatchh Bharat	ECO Club, NSS and Nature Club	Forest Tracking	2	70
Swatchh Bharat	ECO Club	Poster Presentation on Save Environment	Nil	9
Gender Issue	Women Cell	Seminar on Gender SENSitization and Leadership in Women	2	160

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3.5 - Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
SSIP Project	03	SSIP Cell, Sir P.T. Science College, Modasa	54

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Particip
Educational	Internship	Sanjar Pharma LLPs	04/11/2019	14/11/2019	02
Educational	Science Fair	Government Science College, Idar	18/02/2020	18/02/2020	05
Educational	Internship	Montage Laboratory Pvt	25/11/2019	30/11/2019	08

		Ltd			
Educational	SSIP Project on Fire Safety Device	Sir P.T. Science College, Modasa	31/08/2019	23/10/2019	03
Educational	Science Fair	Government Science College, Idar	18/02/2020	18/02/2020	12
Educational	Regional Curriculum Advancement for B.Sc Sem 1 and 2	Municipal Arts and Urban Bank Science college, Mehsana	10/08/2019	10/08/2019	01
Educational	Lecture on Disconnection Approach	Municipal Arts and Urban Bank Science college, Mehsana	08/02/2020	08/02/2020	29
Educational	Lecture on 2D NMR	Shankarsinh Vaghela Bapu Institute of Science	04/01/2020	04/01/2020	28
Research	Two days National Seminar on Analytical Spectroscopy Recent Trends and its Advancement	S.K.Patel College of Pharmaceutical Education and Research ,Ganpat Vidhyanagar	26/07/2019	27/07/2019	03
Training	Training	Pramukh Swami Science College, Kadi	04/09/2020	09/09/2020	12

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teacher participated under MoUs
Spectra Research Lab, Himatnagar	15/06/2019	Placement	1
Bayer Crop Science Ltd, Himatnagar1	15/06/2019	Educational, Placement, Training	74

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CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure developer
20.86	20.86

4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Ne Added

Total	49	26	42	0	0	4	9	100	
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4.3.2 - Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

4.3.3 - Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
e-content study materials	https://www.hnsbscihmt.org/ecstudy.php

4.4 - Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
7.81	7.81	78.8	78.8

4.4.2 - Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The Governing Body takes direct initiatives in the maintenance and upkeep of campus infrastructure and supporting facilities in consultation with the Principals and the IQAC. The Principals and hired agency monitor the quality of maintenance of infrastructure and equipment. The classrooms boards and furniture facilities maintain regularly by the students and regular staff of the college. The maintenance and cleaning of the classrooms and laboratories are done with the efforts of regular support staff of the college. The College garden is maintained by the gardener. CCTV security system is maintained by SAI Telecom, Himatnagar. Photocopier Machine is maintained by Skill Tech Office Automation, Gandhinagar Computers repairing and necessary accessories is supplied by Friends Computer, Himatnagar and Shrinath Computer Services, Himatnagar. Electricity work is completed by Mr.H.R.Ramlavat as per requirement of the institute during the year. Laboratory Instruments and Equipment service is completed by Suntech Enterprise Sales and Services, Ahmedabad. The Principal and the IQAC supervises and maintains all academic activities of the institution. Respective departmental HOD and faculty members maintain the academic records daily.

<https://www.hnsbscihmt.org/resource.php?mt=12>

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount Rupee
Financial Support from institution	Nil	0	0
Financial Support from Other Sources			
a) National	SC, ST, BCK 137, BCK 8 and Bayer scholarships	481	269286
b) International	Nil	Nil	0

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Workshop on Soft Skills	15/06/2019	135	UDISHA
English Language Test	26/12/2019	223	Scope Government Gujarat
Personal Counselling	25/01/2020	88	The HNSB Ltd Scier College
Residential Personality Development Youth Camp	24/01/2020	25	Shri Ramkrishna Ashram, Rajkot
International Yoga day celebration	21/06/2019	134	The HNSB Ltd Scier College
Remedial Coaching, Doubt clear sessions	15/06/2019	100	The HNSB Ltd Scier College
Mentoring Scheme	15/06/2019	1009	The HNSB Ltd Scier College

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Guidance for Competitive Exams and Career Counselling	150	250	Nil	Nil

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressed
49	49	30

5.2 - Student Progression

5.2.1 - Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Montage Laboratory Pvt Ltd, Spectra Research Lab Himatnagar	9	9	00	Nil	Nil

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name program admitted to
2019	191	Chemistry, Microbiology, Botany	Chemistry, Microbiology, Botany	Nirma University, S.P.University, IITE, The HNSB Ltd. Science College, Himatnagar	B.Ed M.Sc MCA

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5.2.3 - Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
SLET	1

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

Activity	Level	Number of Participants
Sports	Inter College	23
Sports	College	129
Cultural	College	184

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5.3 - Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of student
2019	Nil	National	Nil	Nil	00	Nil

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

The student representative in various college committee for academic, co-curricular and extension activities play a vital role in the coordination and cooperation in organizing college activities. Our College has different committees. We have selected student representatives from these committees. We have formed Students Representative Committee with the use of these members. We have also included college rankers in this committee. This committee is 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 curricular and extra-curricular activities done by

various committees 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 programme. They act as bridge between faculty and student community. Contribution of the student Council in Academic Administration The council has always been encouraging the creative pursuit of students. Institute provides necessary support to the council members in smoothly organizing and coordinating events. We have selected student representatives from different Committees in Students Council Committee.

5.4 - Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

No

5.4.2 - No. of enrolled Alumni:

227

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

6810

5.4.4 - Meetings/activities organized by Alumni Association :

Meeting organized dated on 24/11/2019

CRITERION VI - GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

1. At Principal Level, the management of college have authorized the Principal for all the academic and operational decisions based on policy and the academic monitoring to fulfil the vision and mission of the college. 2. At Faculty Level, faculty of the college are members of various committees and authority 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, store etc. have operational autonomy under the guidance of Principal and HOD. At Admission Level our admission committee counsel 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 cooperate and work better at different levels. They also sit in at interface meetings and meet parents and students prior to admission. Departmental grants of the college are discussed with HODs of respective departments. The librarian prepares and plans for the book budget after discussion with the faculties of various subjects. At Infrastructure Level: Building committee of our college is assisting with the planning and execution of extension of the college and planning for infrastructure.

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

Partial

6.2 - Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	<p>Admission committee guides students and parents throughout admission process. The College ensures wide publicity and transparency in the admission process through prospectus.</p> <p>Prior to the results of Higher Secondary examinations, counselling inside the college helps the parents and student to enquire information about the range of courses, eligibility criteria and process of admission as well as academic support facilities. Admission process in UG and PG classes complete as per university guidelines</p>
Industry Interaction / Collaboration	<p>The College has signed MOUs, Linkages and Collaborations with pharmaceutical industries, Research laboratory, Educational institute, NGOs, and sincere efforts are made with respect to interaction, collaboration for training, visit, research activities, blood donation and thalassemia test purpose. The eminent industrialists are invited to share the expertise in the seminar organized by the college. UG and PG students are allowed for an industrial training, visit and instrumental trainings for getting more exposure in their core area of the study.</p>
Human Resource Management	<p>Faculties are always initiated for faculty development program, research oriented publication and participation. Most of the faculty members remain presents in various institutions as a resource person, subject expert in interview panel, Panel of Judge, Board of studies member, senior expert officer in LIC of new colleges etc</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>The College pays deep attention to provide facilities like Library, ICT, Physical Infrastructure, and Instrumentation. The library is well equipped with reference books, textbooks and magazines and journals. Our library is computerized using SOUL software. ICT: Physics department of the college have developed their own educational website for educational purpose. College run SCOPE centre to develop English proficiency in students. College also run DELL lab with computers and internet facility. Maximum students used this facility as a part of their study and familiar with global scenario of ICT facilities. College and departments are equipped with computers and internet facility, Academic presentations, in the form of PPTs, relevant online resources like books, journals etc. are also used as teaching aids.</p> <p>Physical Infrastructure and Instrumentations: The infrastructure of college is established by the management as per requirements and maintained. All laboratories are equipped with necessary instruments.</p>
Research and Development	<p>All the faculties and students are encouraged and their contributions in the form of publication of research articles and books. 03 research papers are presented in national level by faculties. 02 books are published by faculties in different publications. 06 students are registered for Ph.D under the guidance of Dr. Z.M.Gadhawala and Dr J.S. Patel. P.G. students are encouraged for mini research work. As a part of this work students completed their minor research project work and best project work awarded by the institute</p>
Examination and	Continuous evaluation system is successfully applied in B.S

Evaluation	and M.Sc programs. External examinations of all odd and even semesters of UG and PG shall be held as per prescribed academic calendar of the university. It is compulsory to all students to submit assignments of all papers in UG classes. The marks of assignments and attendance also include in internal marks. Practical exams of B.Sc. Sem 1 to 4 are conducted by the college and B.Sc. Sem 5 and 6 should be conducted by the University. For semester 1 to 4 two examiners are appointed by college for evaluation and in semester 5 and 6 two examiners are appointed by University for evaluation process. In PG department internal evaluation done through unit tests, project work, problem solving, book review, class seminar, quiz and practical exam.
Teaching and Learning	The teaching learning process is monitored on regular basis at the department and college level. Majority of faculties use ICT. Our Physics department has designed their own educational website which helped students in various aspects. Teachers study materials like soft copy of PPTs slides are shared with students. PG department of Chemistry have allotted Seminar Problem solving, Project work to the students and best project work and best seminar awards given to students for inspiration. Instrumentation training and industrial training was arranged to create awareness of industries among students.
Curriculum Development	: The College is affiliated to the HemChandraacharya North Gujarat University, Patan and follows the curriculum scheme and syllabus of the affiliating university. All syllabi are uploaded on College website for students to view. There have been efforts to design modules based on experimental learning. Seminar, project work, problem solving, quiz etc are an integral part of the syllabi. Certificate course also introduced.

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

E-governance area	Details
Planning and Development	Recent year planning of feedback for students, parents, alumni, employer and parents have taken through Google form. Library planning is done through SOUL soft. Physics has designed well structured departmental website planning of Physics curriculum.
Administration	The office uses Admission and fee management software
Finance and Accounts	Payment of staff salary to interns electronically. The office uses Admission and fee management software for fee monitoring, student data base, and finance and account purpose
Student Admission and Support	In M.Sc, admission form fill up procedure for admission, fee paid up procedure, Examination forms fill up procedure, Examination fee paid up procedure totally carried out online with the help of our help centre provided by the university
Examination	University examination results always declare on online also university exams of UG and PG also conducted on online base

6.3 - Faculty Empowerment Strategies

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

Year	Name of	Name of conference/ workshop attended	Name of the professional body for	Amount
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	Teacher	for which financial support provided	which membership fee is provided	of support
2019	Nil	Nil	Nil	Nil

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	NAAC Awareness Training Program	NAAC Awareness Training Program	05/10/2019	05/10/2019	25	14
2019	NAAC Awareness Program	NAAC Awareness Program	11/07/2019	11/07/2019	20	10
2020	Nil	Supporting Staff training program on Computer Awareness	17/02/2020	17/02/2020	Nil	12
2020	Nil	Soft Skills Development Program	02/03/2020	02/03/2020	Nil	12
2020	Nil	Health Awareness Program	02/04/2020	02/04/2020	Nil	20

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Faculty Development Program in Chemistry by KCG	1	20/01/2020	26/01/2020	7

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
18	22	16	6

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Students
Lone facilities from credit society, DL for attending seminar and conferences.	Lone facilities from credit	Accommodation facilities (Hostel) Library book, Scholarship, Prize a chemical for research work,

Lone facilities from credit society

society, Uniform

Thalassemia testing, book bank for Poor students.

6.4 - Financial Management and Resource Mobilization

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

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. 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 utilizing the auditor suggests corrections and we follow the suggestions given by him.

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

Name of the non government funding agencies /individuals	Funds/ Grants received in Rs.	Purpose
na	0	na

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6.4.3 - Total corpus fund generated

00

6.5 - Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	No	Nil
Administrative	No	Nil	No	Nil

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

The institute call PTA meeting once in a year to facilitates the interaction that enables in building rapport and cooperation between them. 2. During the meeting the feed backs of the parents are received and reviewed. 3. Formation of PTA Composition

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

1.Training program for supporting staff on computer awareness 2. Soft skill development program 3. Health awareness program

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

1.Incubation Centre for Skill development and Entrepreneurship be evolved 2.Facilities like medals, Free feeships, scholarships be provided to meritorious and needy students 3.Student centric teaching learning process strengthened by developing more ICT facilities and laboratory instruments

6.5.5 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	No

6.5.6 - Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number participants
2019	Activities of Saptdhara	16/01/2019	15/06/2019	14/06/2020	313
2019	Certificate course on Nuclear Physics	24/06/2019	15/06/2019	14/06/2020	10
2019	Value added Courses for Odd semesters	15/06/2019	15/06/2019	14/06/2020	898
2019	Value added Courses for even semesters	19/11/2019	15/06/2019	14/06/2020	888
2019	Internships of Chemistry Students at Sanjar Pharma	04/11/2019	15/06/2019	14/06/2020	2
2019	Internship of Microbiology students at Yash,	25/09/2019	15/06/2019	14/06/2020	12
2019	Internship of Microbiology students at Montage	25/11/2019	15/06/2019	14/06/2020	7
2019	Internship of Microbiology students at Sabar Dairy	30/11/2019	15/06/2019	14/06/2020	10
2019	Training at Red Cross	25/11/2019	15/06/2019	14/06/2020	13
2019	Field Project on Water Analysis,	05/08/2019	15/06/2019	14/06/2020	240

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CRITERION VII - INSTITUTIONAL VALUES AND BEST PRACTICES**7.1 - Institutional Values and Social Responsibilities**

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Women Empowerment Seminar	01/01/2020	01/01/2020	260	Nil
Seminar on Gender Sensitization and Leadership in Women	02/12/2019	02/12/2019	160	Nil

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

Percentage of power requirement of the University met by the renewable energy sources
Plantation Driven, Dustbins are installed at various places, Switch off lights and fans.

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1009
Ramp/Rails	Yes	1
Rest Rooms	Yes	522

Scribes for examination

Yes

Nil

7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number participat students staff
2019	Nil	1	16/06/2019	1	Contribute to Blindness	Support to Blind Community	167
2020	1	Nil	09/01/2020	3	Youth Leadership Training Camp	Youth Development	3

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

Title	Date of publication	Follow up(max 100 words)
Code of Conduct Handbook	15/06/2019	The code of student conduct is applicable to every student enrolled in the college. As Students are members of the college campus, they have a substantial interest in the governance of College. The code, policies and the various procedures laid down herein intends that the principle of student involvement in governance in both administrative and academic site. There for all students who are a part of the college and who are going to be enrolled in the institute is advised to uphold the policy and inform the college of any violations and assist individually and collectively to improve the quality and effectiveness of this code and appended policies. The code of conducts strictly regulated by the College Disciplinary Committee

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Winter cloth distribution in Slum areas	26/12/2019	26/12/2019	130

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

Waste Management in Chemistry and Microbiology Laboratory Plantation Drive Swachhbharat Abhiyan Plastic free campus Environmental benign synthesis in chemistry practical

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

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

Best Practice 1

1. Title of the Best Practice Student Support
2. The Context Student support programs are designed to contribute to the quality of their learning experience and the academic success with respect to academic, cultural, sports and social environment of the institution.
3. Objectives of the Practice To design Students council for students, support and participation To provide support in the form of mentorship, counselling and support to slow and advance learners To conduct industry relevant workshops and guest lectures and placement To conduct Certificate Courses, Field projects, Internships and trainings
4. The Practice The institution throughout the academic year conducts Students Centric Holistic Development Programmes to ensure that the students develop on a personal as well as on a professional level. This is facilitated through Mentorship Programs, Parent Teacher Association, Staff Performance, Evaluation Report, Certificate Courses, Field projects, Internships, trainings and Remedial coaching Placement Cell, Sexual Harassment Prevention Redressal Cell, Gender equity cell, Grievance Cell, Scholarships.
5. Advantages Maintaining transparency of the teaching, learning cultural, and social environment of the institution. Improves student feedback and performance in the college
6. Challenging issues Students who need the most support aren't receiving it Handling highly sensitive matters with great discretion
7. Evidence of Success College has sexual harassment and ragging free campus Increased level of soft skills, communication skills and confident of the students Extremely efficient student mentoring and counselling system
8. Resources Required Counsellors available on campus
 - All mentors who can guide and support the students to achieve their goals
 - Expert faculties for each student support to handle matters with great sensitivity and discretion

Best Practice 2

1. Title of the best practice Capability Enhancement Activities
2. The Context Capability enhancement activities plays a vital role in the student career. It is useful in personal and professional efficiency development
3. Objective of the Practices The objectives of this approach is to develop new means of reaching out and supporting students community for higher level of career adaptability in students and enhancing their employability skills
4. The Practice Capability enhancement programs of the institution include different activities organised for the overall development of the main stakeholders Every activity has a teacher convener. The convener maintains the records of each activities. All the activities that go par with the holistic development of the student community. Various activities successfully organised throughout year like, Soft skills and Communication skills seminar, Guidance for Career counselling, Guidance for competitive exams, Remedial coaching Yoga and Meditation and Personal counselling etc.
5. Advantages Students are able to identify their core strengths and communicate to employers the way to unlock their true potential
6. Challenging issues Inadequate professional training, Inadequate network infrastructure, limited budget and time.
7. Evidence of Success Personality of students improved, soft skills and communication skills also improved during class seminar and presentation, meet the market needs and got more placement and specific BAYER scholarship during the year.
8. Resources Required Resource persons are available on campus and off campus.
9. Contact Details The Principal The HNSB. Ltd. Science College, Motipura, Himatnagar, 383001, Gujarat, India Tel 027722289 Email scihmt@yahoo.co.in

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

7.3 - Institutional Distinctiveness

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

The institute provides holistic education to develop skills knowledge and values through well structured curriculum and instructions. The vision of the institute focuses on the best education and research environment to create the excellence science graduates with the skills of practical use for the next generation. In order to provide excellent soft skills to the students institute has been conducting seminars with the help of eminent resource persons, who have good expertise in this area. The Institute started certificate courses and value added courses, Field project, Internships and training programs for the benefits of students. College campus is totally ragging and sexual harassment free campus. College have more experienced and Ph.D awarded faculties in all subjects. College results are remarkable in all subjects in the University examinations.

Provide the weblink of the institution

<http://www.hnsbscihmt.org/upload/naac>

8.Future Plans of Actions for Next Academic Year

Improvement in Placement opportunities for students Improvement in ICT enabled infrastructure Conduct of National level competitions and seminars for students benefits To start skill development programs to produce industry supported stake holders. To sign MOUs with industries to get industry sponsored projects, internships, training of students and placement. Inspire students to achieve University rank