



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

Part A	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	THE HNSB.LTD. SCIENCE COLLEGE
Name of the head of the Institution	Dr. B.S.Patel
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02772228925
Mobile no.	9904003218
Registered Email	scihmt@yahoo.co.in
Alternate Email	prajapatim73@yahoo.com
Address	College Campus, Motipura, NH-8, Himatnagar, Gujarat, 383001
City/Town	Himatnagar
State/UT	Gujarat
Pincode	383001

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Urban			
Financial Status		state			
Name of the IQAC co-ordinator/Director		Dr M. M. Prajapati			
Phone no/Alternate Phone no.		02772228925			
Mobile no.		9904003218			
Registered Email		prajapatim73@yahoo.com			
Alternate Email		scihmt@yahoo.co.in			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		<a href="http://www.hnsbscihmt.org">http://www.hnsbscihmt.org</a>			
4. Whether Academic Calendar prepared during the year		Yes			
if yes, whether it is uploaded in the institutional website: Weblink :		<a href="http://www.hnsbscihmt.org/upload/naac/Academiccalendar1819.pdf">http://www.hnsbscihmt.org/upload/naac/Academiccalendar1819.pdf</a>			
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
6. Date of Establishment of IQAC			01-Feb-2008		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC		Date & Duration		Number of participants/ beneficiaries	
IQAC meeting		15-Jun-2018 1		17	

IQAC meeting	19-Nov-2018 1	17
IQAC meeting with faculties	15-Jun-2018 1	22
IQAC meeting with faculties	19-Nov-2018 1	22
IQAC meeting with support staff	16-Jun-2018 1	17
IQAC meeting with Alumni	28-Jul-2018 1	36
IQAC meeting with Parents	03-Feb-2019 1	35
Feedback collection, analysis and used for improvements from Students	20-Jan-2019 30	584
Feedback collection, analysis and used for improvements from Parents	24-Jan-2019 17	167
Feedback collection, analysis and used for improvements from Alumni	28-Jul-2018 1	24

**8. Provide the list of Special Status conferred 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
<b>No Data Entered/Not Applicable!!!</b>				

<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	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	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No

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

Academic Calendar for the session was more holistic in approach and its successful implementation was monitored by IQAC.

Organized Certificate Courses, Value added Courses, Field Projects, Internships and Trainings for student community.

MOUs and Linkages with different Pharmaceutical industries, Educational institutes and NGOs.

Organized different activities to enhance Gender equity, Social responsibility and Universal values in students through NSS and Youth Committee.

Inspired faculties and students for research participation and publications.

## 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 five years	AQAR of the 2014 to 2019 have successfully submitted during the year by the IQAC.
Celebration of Chemistry Laboratory Safety Week	Chemistry laboratory safety week was arranged during 17 Jan 2019 to 21 Jan 2019
Prepare a Academic Calendar	Students centric Academic Calendar is prepared successfully
To Developed various feedback Performa for Stakeholders for assessment of institutional and teachers quality.	Students feedback is collected at the end of year and other feedback are collected during stake holders meetings. The feedback data is analyzed and recommendations are given on that basis.
To introduced Industry Institute Interaction Program for students	The iii program was designed as per need of pharmaceutical industry. 19 students have successfully completed this course.
Signing of MOUs, Linkages with Pharmaceutical industries, educational institutes and NGOs.	MOUs, Linkages signed with pharmaceutical companies and institutes for the purpose of training, Sharing of research facility and Placement drive.
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Systematize Value added Courses	02 Value added courses are completed by the Microbiology department and DELL.
Systematize Certificate Courses	03 Certificate courses are completed by the Botany and Chemistry department.

Initiated students for internship and training	Internships and Instrumentation training are completed by the P.G. Chemistry department.				
Encourage department to organize subject expert lectures	04 subject expert lectures were arranged by the U.G departments and 03 subject seminars were arranged by the P.G.Chemistry department.				
Develop programs to give thrust on social responsibility	NSS unit and Youth committee have organized society awareness and Local community affected programs during the year.				
Promote sport competitions for improving physical health of students.	Students were participated in various inter college and inter university level competitions and achieved rank.				
Promote gender equity activities	Different gender equity activities are successful completed by Dr. M.M.Prajapati				
Organized NAAC awareness workshop for faculty	NAAC awareness workshop entitled Revised Methodology of Accreditation by NAAC is organized by the IQAC on 27 October, 2018.				
Highlight the achievements of individuals and institute in the Annual Report of the institute	The IQAC has been published the annual report at the end of the academic year, which showcasing the various activities, toppers, results, winners of the activities and code of conducts of the college.				
<b>14. Whether AQAR was placed before statutory body ?</b>	Yes				
<table border="1"> <thead> <tr> <th>Name of Statutory Body</th> <th>Meeting Date</th> </tr> </thead> <tbody> <tr> <td>Himatnagar Kelavni Mandal, Himatnagar</td> <td>29-Apr-2019</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Himatnagar Kelavni Mandal, Himatnagar	29-Apr-2019
Name of Statutory Body	Meeting Date				
Himatnagar Kelavni Mandal, Himatnagar	29-Apr-2019				
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No				
<b>16. Whether institutional data submitted to AISHE:</b>	Yes				
Year of Submission	2019				
Date of Submission	30-Sep-2018				
<b>17. Does the Institution have Management Information System ?</b>	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Information of research activities, committee reports 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 non teaching staff. Library is automated and uses software SOUL. Research publications and book publications are done in eversion. Faculty uses power point projector in the classes for teaching purpose. SCOPE and DELL centers 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, co curricular and extension activities for the effective implementation during the year. Academic calendar is prepared from the calendar published by the University. The College, being an affiliated college, follows the syllabi prescribed by the HNGU, Patan. Every faculty member gives choices of the subjects and units as per their interest and expertise. The College is committed to imparting quality education in the field of basic sciences to create empowered, socially responsible youth to face the changing needs and time. So in the beginning of calendar year a meeting is held to design effective curriculum planning. The curriculum planning is made by IQAC, department meetings and individual preparation. We try our level best to provide maximum days of teaching in a calendar year. While planning the curriculum, due emphasis is given to the other components like instrumentation training, industrial visit, field projects, ICT enabled learning, personality attributes, values and social responsibilities. Implementation -Institution effectively plans and monitors the activities for the effective implementation of the curriculum. For well planned curriculum implementation, syllabus contents are delivered to students and it is monitored by Head of the Departments, IQAC convener, and Principal. End semester examinations are conducted to evaluate the performance of students. Continuous reviews of the students, progress of syllabus completion, better performance of students, curricular and co curricular activities are monitored in the department level meetings and by convener of the respective committees. Through the suggestion box the principal is informed if things are not going well with the students. Feedback received from stake holders is gainfully employed to strengthen curriculum planning and development. Instrumentation training, internships, project work, assignments, seminar

sessions, problem solving, guest lectures are conducted throughout the year to create strong bridge between industry, faculty and institute. Documentation - All the necessary documents of the departments, committees and personal achievements are received and saved through Google forms.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Industry Institute Interaction Program	Nil	15/06/2018	1	It will give employable capabilities of a knowledge based professional	iii programme can be considered as the platform for showcasing best industrial practices and latest technology advancement
Horticulture	Nil	04/02/2019	6	Horticulture commodities have the potential to contribute to the economic recovery of the country	Horticulture gardening, Irrigation techniques, Weed, pest and disease management skills can be developed through this course

### 1.2 – Academic Flexibility

#### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>	

#### 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	Date of implementation of CBCS/Elective Course System
BSc	15/06/2018
MSc	15/06/2018

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

	Certificate	Diploma Course
Number of Students	70	0

### 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
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Computer application in Science study	29/08/2018	65
Chemical Plant Operator	13/05/2019	8
Hematology Techniques	01/04/2019	39

### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
BSc	33
MSc	89

## 1.4 – Feedback System

### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
Employers	No
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>Feedback from students, alumni, and parents is 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 students during their tenure through offline base at the end of year for faculties and institute. This feedback is analyzed and solutions are sought through discussion. Every year, institution organizes alumni meeting. They interact with faculty members and students, sharing their knowledge with stake holders 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. Recent year feedback of students and Parents have been taken through google forms.</p>

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Number of seats available	Number of Application received	Students Enrolled
BSc	360	1320	314
MSc	50	50	46

### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled	Number of students enrolled	Number of fulltime teachers	Number of fulltime teachers	Number of teachers
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	in the institution (UG)	in the institution (PG)	available in the institution teaching only UG courses	available in the institution teaching only PG courses	teaching both UG and PG courses
2018	1031	85	22	0	11

## 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
22	22	8	3	0	8

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 of the performance of the mentees. The mentor mentee relationship goes beyond the realm of only curriculum and syllabus and also encompasses the personal lives of the students. In order to improve performance of the students with respect to regularly attendance in theory and practical sessions, results, participation in activities, career and personal counseling 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 also departmental activities. Students are allowed to approach the mentor for both academic and personal problems. They offer counseling regarding academic, examination, and career, curricular and also co curricular activities. 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 are 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. Constraints With the introduction of continuous assessment under the Semester System, time factor could be a constraint for mentors

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1031	22	1:50

## 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
23	22	1	0	15

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
2018	Dr. S.S. Andher	Associate Professor	GPSC exam passed for the post of Principal
2018	Dr. M.N.Parmar	Associate Professor	GPSC exam passed for the post of Principal

2019	Dr.S.S.Andher	Associate Professor	Selected as a Principal in Government Science College, Songadh
2019	Ms.Sejal R. Jadav	Assistant Professor	Joint CSIR UGC JRF (NET) exam passed for the post of Lecturer
2019	Dr. Z.M. Gadhawala	Associate Professor	Patent File Registration
2018	Dr.K.V.Goswami	Assistant Professor	Life Member in ICC
2019	Dr.K.V.Goswami	Assistant Professor	1 st Rank in National level Poster presentation
2019	Dr. Z.M.Gadhawala	Associate Professor	2 nd Rank in National level Poster presentation
2019	Dr. N.I.Patel	Associate Professor	Ph.D.Guideship

## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BSc	00	Sem 1	25/10/2018	15/02/2019
BSc	00	Sem 2	19/04/2019	20/06/2019
BSc	00	Sem 3	25/10/2018	04/02/2019
BSc	00	Sem 4	19/04/2019	13/06/2019
BSc	00	Sem 5	25/10/2018	21/01/2019
BSc	00	Sem 6	19/04/2019	24/05/2019
MSc	00	Sem 1	25/10/2018	26/03/2019
MSc	00	Sem 3	25/10/2018	30/03/2019
MSc	00	Sem 4	19/04/2019	28/06/2019

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

As an affiliated institution, 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 is adopted by the institution has two components, viz, 1. The Continuous Internal Evaluation 2. The End Semester Examination The ratio of weightage is 30 in CIE and 70 in ESE for UG for theory and 30 in CIE for each paper and 70 in ESE for PG. For effective implementation of ESE system at the institutional level the institute conducts continues unit test in each papers in B.Sc sem I and one pre university exams per course per semester for rest of the semester.ESE marks are shown to students for transparency before the marks are forwarded to the examination department. CIE components 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. The College encourages and guides students to participate in state, national, international level competitions, presentation organized by other institutions for evaluation of their research field interest.

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, 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 stake holders like talk of alumni, parents meeting, instrumentation training, industrial visit, industrial training, NSS camp, Sports etc. More over examination committee scheduled internal theory and practical examination programs on the base of syllabus competition. Internal exams schedule is strictly 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>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
00	BSc	326	301	92
00	MSc	42	41	98

## 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/naac>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	1	College	0	0

### 3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Brief Ideas about Patents	Chemistry	11/04/2019
Basic Information of Quality Control Parameters	Chemistry	09/02/2019
Information about GLP,GMP,USFDA and WHO	Chemistry	09/04/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Ph.D.Award	Dr. Mo. Ali M. Khanusiya	HNGU, Patan	29/12/2018	Student
University First and Gold Medalist	Prajapati Jaimin M	HNGU, Patan	24/05/2019	Student
University First and Gold Medalist	Prajapati Manisha N	HNGU, Patan	25/03/2019	Student
GPSC Preliminary exam pass	Patel Prince M	GPSC, Gandhinagar	21/10/2018	Student
1 st Rank in Poster Presentation in National Conference	Richa R. Makadiya et. all	GUJCOST and APMC, Himatnagar	23/02/2019	Student
2 nd Rank in Poster Presentation in National Conference	Prajapati Sneha J. et.all	GUJCOST and APMC, Himatnagar	23/02/2019	Student
2 nd Rank in Spot Photography	Patel Mit N	HNGU, Patan	05/10/2018	Student
1 st Rank in Bhartiya Sanskriti Gyan Exam College 1	Luhar Sahejad S	Akhil Vishva Gayatri Parivar, Haridhwar	24/09/2018	Student
2 nd Rank in Bhartiya Sanskriti Gyan Exam College 1	Ibji Sayema M	Akhil Vishva Gayatri Parivar, Haridwar	24/09/2018	Student
1 st Rank in Bhartiya Sanskriti Gyan Exam College 2	Memon Tanaj M	Akhil Vishva Gayatri Parivar, Haridwar	24/09/2018	Student
2 nd Rank in	Doi Bushra M	Akhil Vishva	24/09/2018	Student

Bhartiya Sanskriti Gyan Exam College 2		Gayatri Parivar, Haridwar		
3 rd Rank in Bhartiya Sanskriti Gyan Exam College 2	Vekariya Sarabibi J	Akhil Vishva Gayatri Parivar, Haridwar	24/09/2018	Student
Best Project Award, M.Sc. Sem II	Panchal Kishan H. and et.all	The H.N.S.B.Ltd .Sci.College, Himatnagar	28/02/2019	Student
Best Project Award, M.Sc. Sem IV	Prajapati Sneha J. and et.all	The H.N.S.B.Ltd .Sci.College, Himatnagar	28/02/2019	Student
Best Seminar Award, M.Sc. Sem II	Pothigara Rafiya M	The H.N.S.B.Ltd .Sci.College, Himatnagar	20/02/2019	Student
Best Seminar Award, M.Sc. Sem IV	Patel Bhagyashri J	The H.N.S.B.Ltd .Sci.College, Himatnagar	20/02/2019	Student

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
<b>No Data Entered/Not Applicable !!!</b>					

### 3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
<b>No Data Entered/Not Applicable !!!</b>		

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	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Chemistry	6	3.60

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
Chemistry	5

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Design,	Z.M.Gadhaw	Journal of	2018	0	The	0

Synthesis and Biological Evaluation of Some Novel Chalcones Sulphonamide Hybrids	ala	the Korean Chemical Society			H.N.S.B. Ltd. Science College, Himatnagar	
Chalcones Sulphonamide Hybrids Synthesis, Characterization and Anti Cancer Evaluation	Z.M.Gadhawala	Journal of the Korean Chemical Society	2019	0	The H.N.S.B. Ltd. Science College, Himatnagar	0
An Effective Synthesis and Biological Screening of 24Chlorophenyl,1,3,4 Oxodiazol2yl 5 sulfa nyl,4Quino line8 ylox y,6,Aryl amino s Triazine	K.V.Goswami	Journal of Emerging Technology and Innovative Research	2018	0	The H.N.S.B. Ltd. Science College, Himatnagar	0
Pyrimidine Motif Based Synthesis, Spectral Studiesand Bio evaluation of 42,5 Dimethoxy 4 Methyl Phenyl,1,2 Methoxy Phenyl,6 s ubstituted Phenyl pyrimidine 2,1H Thione	K.V.Goswami	Internatio nal Journal of Research and Analytical Reviews	2018	0	The H.N.S.B. Ltd. Science College, Himatnagar	0
An Effective Synthesis	S.P.Vyas	Journal of Emerging Technology	2018	0	The H.N.S.B. Ltd.	0

and Biological Screening of 24Chlorophenyl,1,3,4 Oxodiazol2yl 5 sulfanyl,4Quinoline8 yloxy,6,Arylamino S Triazine		and Innovative Research			Science College, Himatnagar	
Spectral and Microbial Screening of One pot Multi component Synthesis of Fused Quinazolinone Derivatives	K.V.Goswami	Journal of Applicable Chemistry	2019	0	Journal of The H.N.S.B. Ltd. Science College, Himatnagar	0

### 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
<b>No Data Entered/Not Applicable !!!</b>						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	35	9	9
Presented papers	3	19	8	0

## 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
Poster Presentation on Save Environment	The HNSB Ltd Science College, NSS	1	13
Tree Plantation	The HNSB Ltd Science College, NSS	5	36
Netrutva Talim Shibir	Commerce College, Modasa	0	2

Celebration of Independence Day	The HNSB Ltd.Science College	21	239
Thalessamia Camp	Red Cross Society,Ahmedabad	2	254
Welfare Fund for Blind	The HNSB Ltd Science College,NSS	5	207
Welfare Fund on Armed flag day	The HNSB Ltd Science College,NSS	15	115
Gandhi Jyanti Celebration	The HNSB Ltd.Science College,NSS	13	41
Yogasan Talim Shibir	Arts and Commerce College, Unja	0	4
Volley ball Charity Run for Unity	Sabarkantha District Volley ball Association	1	24

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
<b>No Data Entered/Not Applicable !!!</b>			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Gender Issue	The HNSB Ltd.Science College	Womens Empowerment Lecture	2	97
Gender Issue	The HNSB Ltd.Science College	Barabari ki Baat Ladke Ladkiyo Ke Sath Tug of War	2	32
Gender Issue	The HNSB Ltd.Science College	Gola Fake	2	19
Gender Issue	The HNSB Ltd.Science College	Musical Chair Competition	2	18
Swatch Bharat	The HNSB Ltd.Science College	Cleaning Hygiene Campaign Lecture	1	89
Aids Awareness	The HNSB Ltd.Science College	Aids Awareness Campaign	7	5

### 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
Campus Interview	90	KCG, Ahmedabad	3
Instrumentation Training for UG	33	Students fee	2
Instrumentation Training for PG	19	Students Fee	4
Industrial Visit at HMT Detergents	19	Students Fee	1
Lectures in Chemistry through Faculty Exchange	127	Nil	1
Industrial Visit at Honest Agro	19	Nil	1
Soil Analysis Field Project through Students Exchange	3	Nil	2
Water Analysis Field Project through Students Exchange	19	Nil	2
Thalessamia Camp	254	Students fee	1

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Educational	Internship	Yash Medicare Private Limited, Hajipur	15/06/2018	14/06/2019	11
Educational	Internship	Montage Laboratories Pvt Ltd, Dhandha	15/06/2018	14/06/2019	8
Educational	Training	Anchor Institute, DDU, Nadiade	15/06/2018	14/06/2019	8
Educational	Training	Shree S.K. Patel College of Pharmaceutical education and Research, Ganpat Uni, Mehsana	15/06/2018	14/06/2019	37

Educational	Field Trip	H.M.T. Detergents, Himatnagar	15/06/2018	14/06/2019	19
Educational	Field Trip	Honest Agrotech, Dhandha	15/06/2018	14/06/2019	19
Educational	Sharing of Research facility and Instrumentation training	APMC Pharmacy College, Himatnagar	15/06/2018	14/06/2019	19
Educational	Field Project Work	Government Science College, Idar	15/06/2018	14/06/2019	3
Educational	Field Project Work	Jal Bhavan, Himatnagar	15/06/2018	14/06/2019	19

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
College and Excellence Centre, Vadrad	15/06/2018	Educational	51
Jai Jalaram Seva Trust, Himatnagar	15/06/2018	Out Reach Programs	12
Deaf and Dump School, Himatnagar	15/06/2018	Out Reach Programs	21
Mamta Handicape Shishu Vidya Mandir	15/06/2018	Out Reach Programs	27
J.U. Kadiwala Law College, Himatnagar	15/06/2018	Educational Activities	5
Anchor Institute, DDU, Nadiade	15/06/2018	Placement and Educational Activities	8
Montage Laboratories Pvt.Ltd, Dhandha	15/06/2018	Industrial Training Placement	8
Shehat Pharma Pvt.Ltd, Savgadha	15/06/2018	Placement	0
Sanjar Pharma LLP, Dedhrota	15/06/2018	Seminar and Placement	19
Yash Medicare Private Ltd, Hajipur	15/06/2018	Industrial Training, and Placement	11
Sir P.T.science College, Modasa	15/06/2018	Educational activities	105
Indian Red Cross Society, Himatnagar	15/06/2018	Science and Society Related Programs	254

Sheth M.N.Science College,Patan	15/06/2018	Educational Activities	133
U.P. Arts M.G. Panchal Science College,Pilvai	15/06/2018	Educational Activities	22
S.M. Panchal Science College, Talode	15/06/2018	Educational Activities	15

#### CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

##### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
37.04	37.04

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Others	Newly Added
Number of important equipments purchased (>1-0 lakh) during the current year	Newly Added

##### 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SOUL	Partially	2.0	2005

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	2553	224097	39	3233	2592	227330
Reference Books	5451	1416893	96	40054	5547	1456947
Journals	8	16500	0	0	8	16500
CD & Video	319	0	0	0	319	0
Library Automation	1	15000	0	0	1	15000

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
<b>No Data Entered/Not Applicable !!!</b>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	48		41		1	3	7	10	
Added	1		1						
<b>Total</b>	<b>49</b>	<b>0</b>	<b>42</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>7</b>	<b>10</b>	<b>0</b>

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

10 MBPS/ GBPS
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##### 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
<b>No Data Entered/Not Applicable !!!</b>	

#### 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
1.03	1.03	2.38	2.38

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

<p>The Governing Body takes direct initiatives in the maintenance and upkeep of infrastructure and supporting facilities in consultation with the Principal and the IQAC. The Principal and hired agency monitor the quality of maintenance of infrastructure and equipments. The classrooms boards and furniture facilities maintains 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 Mr Devusinh Parmar from Green garden service, Himatnagar. CCTV security system is maintained by SAI Telecom, Himatnagr. Photocopier Machine is maintained by Skill Tech Office Automation, Gandhinagar Computers repairing and necessary assasories 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 Equipments service is completed by Sunthech 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.</p>
<a href="http://www.hnsbscihmt.org/naac">http://www.hnsbscihmt.org/naac</a>

**CRITERION V – STUDENT SUPPORT AND PROGRESSION****5.1 – Student Support**

## 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	nil	0	0
Financial Support from Other Sources			
a) National	Postmetric scholarship	285	1547820
b) International	nil	0	0

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
SCOPE(English Proficiency) soft skills	15/06/2018	263	KCG, Government of Gujarat, EDUCOMP
Industry Institute Interaction Programme	15/06/2018	19	The H.N.S.B. Ltd Science College, Himatnagar
Certificate Course on Horticulture	04/02/2019	51	The H.N.S.B. Ltd Science College, Himatnagar
Value added Course on Computer application in Science studies	13/02/2019	65	The H.N.S.B. Ltd Science College, Himatnagar
Value added Course on Hematology Techniques	12/04/2019	39	The H.N.S.B. Ltd Science College, Himatnagar
Value added Course on Chemical Plant Operator	13/05/2019	7	The H.N.S.B. Ltd Science College, Himatnagar
Star Batch	15/06/2018	16	The H.N.S.B. Ltd Science College, Himatnagar
Career Guidance Seminar on Teachers Open the Door but Students must Enter him self	18/01/2019	110	The H.N.S.B. Ltd Science College, Himatnagar
Celebration of Chemistry Laboratory Safety Week	17/01/2019	139	The H.N.S.B. Ltd Science College, Himatnagar
Career Awareness Lecture for Class 1,2 officers	24/07/2018	132	The H.N.S.B. Ltd Science College, Himatnagar

Career Counseling	21/12/2018	5	Law College, Himatnagar
Yogasan Talim Shibir	03/01/2019	4	Arts and Commerce College, Unja
03 Days Workshop on Yoga and Meditation	04/02/2019	93	The H.N.S.B. Ltd Science College, Himatnagar

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	Career Guidance Seminar on Teachers Open the Door but Students must Enter him self	110	110	9	2
2018	Career Awareness Lecture for Class 1,2 officers	132	132	9	2
2018	Career Counseling	5	5	9	2

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
22	22	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
Mega Placement camp	90		Grawmore, Montage Lab.	2	2

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

Year	Number of students enrolling into	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
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	higher education				
2019	51	B.Sc.	Chemistry, Microbiology, Botany	The.H.N.S.B. Ltd.science College,	M.Sc., B.Ed., MLT, etc.

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	Reg no/ Rollno for the examination
Any Other	1	403000643
Civil Services	1	127249466
Any Other	1	403000187
Any Other	1	403000316
Any Other	1	10003856
Any Other	1	10002919
Any Other	1	10007015
Any Other	1	10785169
Any Other	1	10344131

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

Activity	Level	Number of Participants
Youth Festival	University	9
Rangoli Competition	College	11
Menhdi Competition	College	18
Spot Photography Competition	College	2
Drawing Competition	College	17
Drama o Smashan Yatra	College	9
Essay Competition	College	52
Speech Competition	College	16
Quiz Competition	College	91
Poster Presentation on Save Environment	College	13
Geet and Dance Competition	College	28
Best Out of Waste Competition	College	22
Kavya Lekhan Competition	College	10
Debate Competition	College	18
Silver Jubilee Logo Competition	College	17
Chemistry Quotes	College	28
College level Poster Competition	College	37
Basket Ball	Inter College	7

Chess	Inter College	3
Badminton	Inter College	5
Cricket	Inter College	16
Judo	Inter College	1
Power Lifting	Inter College	1
Boxing	Inter College	1
Kabaddi	Inter College	10
Athletics	Inter College	8

### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						

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 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 curricular and extra co 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 a bridge between faculty and students 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:

238

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

6240

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meet was organized dated on 28/7/2018 by Alumni Committee. Total 36



members remained present in this meeting

## 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 to the academic monitoring to fulfill 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. 3. 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. 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 book budget after discussion with the faculties of various subjects. 5. 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)?

Yes

### 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
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 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.
Teaching and Learning	The teaching learning process is monitored on regular basis at the department and college level. Majority of faculties used 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.

**Examination and Evaluation**

End Semester Examinations: Continuous evaluation system is successfully applied in B.Sc sem I from this current year. One internal examination is conducted at the end of each semester except B.Sc Sem I. The end semester 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 three examiners are appointed by University for evaluation process. In PG department internal evaluation done through exams, project work, problem solving, book review, seminar, quiz and practical exams.

**Research and Development**

All the faculties and students are encouraged and their contributions in the form of publication of research articles and books. 05 research papers are published by faculties in the research journals. 03 research papers are presented in international level, 19 research papers are presented in national, 08 are presented in state level conferences by faculties. 05 books are published by faculties in different publications. 04 students are registered for Ph.D under the guidance of Dr. Z.M.Gadhawala. 01 student is awarded for Ph.D. 01 Patent is also registered by Dr.Z.M.Gadhawal and Dr.Mo.Ali Khanusiya in Chemistry. The P.G. students are encouraged for mini research work. As a part from these students completed their minor research project work and best project work awarded by the institute.

**Library, ICT and Physical Infrastructure / Instrumentation**

Library: The College pays deep attention to facilities like Library, ICT, Physical Infrastructure and Instrumentation. The library is well

equipped with reference books, text books and magazines. Our library is computerized using SOUL software. ICT: 298 tablets are distributed in B.Sc sem I under the scheme of Gujarat Government. 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. 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. 48 computers are available which includes 24 computers in DELL lab for students to access to internet which makes teaching learning more effective.

Human Resource Management

Faculties are always initiated for faculty development program, research oriented publication and participation. Most of the faculties 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.

Industry Interaction / Collaboration

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 thallemia 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 trainings, visit and instrumentation trainings for getting more exposure in their core area of the study.

Admission of Students

A dedicated admission committee is

available which guides students and parents throughout admission process. The College ensures wide publicity and transparency in the admission process through prospectus. Prior to the results of Higher Secondary examinations, counseling inside the college helps the parents and students 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 completes as per university guidelines.

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

E-governance area	Details
Planning and Development	Reseant year planing of feedback for students and parents have taken through Google form. Library planing 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, students 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.

### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
<b>No Data Entered/Not Applicable !!!</b>				

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	Title of the administrative training programme	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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	organised for teaching staff	organised for non-teaching staff				
2018	NAAC awareness work shop on Revised Methodology of Accreditation by NACC	NAAC awareness work shop on Revised Methodology of Accreditation by NACC	27/10/2018	27/10/2018	22	10
2019	Manage your Chemical Store Systematically	Manage your Chemical Store Systematically	19/01/2019	19/01/2019	5	5

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 Programme	2	03/12/2018	08/12/2018	6

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
19	23	17	17

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 society, Uniform	Accommodation facilities (Hostel) Library book, Scholarship, Prize and chemical for research work, Theleshemia 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)

External Financial Audit of the College is done by P.P.Patel and Sons, Himatnagar.
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6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
<b>No Data Entered/Not Applicable !!!</b>		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

### 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		No	
Administrative	No		No	

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

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

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

1. Manage Your Chemical Store Systematically 2. Workshop on Revised Methodology of Accreditation by NAAC

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

Recommendation1: More medals and prizes are to be provided to the rank scholars of different courses Recommendation2: Internship during vacation in industries or R and D labs be arranged for PG students Recommendation 3: The best project in M.Sc. c

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
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Industry Institute Interaction Program	15/06/2018	15/06/2018	14/06/2019	19
2019	Certificate Course on Horticulture	04/02/2019	04/02/2019	09/02/2019	51
2019	Value Added Course on Chemical Plant Operator	13/05/2019	13/05/2019	31/07/2019	8
2018	Value Added Course on Use of Computer in Science	29/08/2018	29/08/2018	13/02/2019	65

	Studies				
2019	Value Added Course on Hematology	01/04/2019	01/04/2019	12/04/2019	39
2018	Internships 03	14/11/2018	14/11/2018	20/11/2018	19
2019	Field Project on Soil Analysis	10/01/2019	10/01/2019	11/01/2019	3
2019	Field Project on Water Analysis	10/01/2019	10/01/2019	10/01/2019	19
2019	Chemistry Laboratory Safety Week	17/01/2019	17/01/2019	21/01/2019	139

## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
BSc	08/01/2019	08/01/2019	46	51
BSc	16/02/2019	16/02/2019	22	47
BSc	30/07/2018	30/07/2018	16	0

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 when not in

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Rest Rooms	Yes	443

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	05/11/2018	1	Students Visit To Mentally Divyang	Co operate to Mentally	12

					Ashram	Divyang community	
2018	1	1	21/07/2018	1	To Great Awareness and Kindness for Deaf and Dump Community	Co operate to Deaf and Dump Community	22
2019	1	1	19/01/2019	1	Visit to Mamta Handicap Shisu Vidya Vihar	Co operate to Handicap Community	28

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

Title	Date of publication	Follow up(max 100 words)
Annual Report and Admission Prospectus for Faculties, Parents and Students	02/03/2019	The code of student conduct is applicable to every students 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 varied 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
Funds collection for blinds on Blind	14/09/2018	14/09/2018	212



day (Kindness)			
Armed Forced Flag Day Donation (kindness)	11/01/2019	11/01/2019	140
Lecture on Kidney Care	17/12/2018	17/12/2018	161
Aids Awareness Program	01/12/2018	01/12/2018	12
Students Visit to Mentally Divyang Ashram	05/11/2018	05/11/2018	12
To Great Awareness and Kindness for Deaf and Dump Community	21/07/2018	21/07/2018	22
Students Visit to Mamta Handicap Shishu Vidya Mandir	19/01/2019	19/01/2019	28
Lectures on Value Oriented Education (sem 3)	15/06/2018	31/10/2019	285
Lectures on Human Rights ( sem 4)	01/12/2018	28/02/2019	314
Lectures on Indian Constitution (sem5)	15/06/2018	31/10/2018	282

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

Waste Management in Chemistry and Microbiology Laboratory: In Chemistry Lab through Chemical waste Pail, Regular Garbage, Broken Glass Tote. In microbiology adopted standard waste management system which include waste segregation, followed by waste s

## 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Internships or Training Programs. 2. Certificate and Value added Courses

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

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

## 7.3 – Institutional Distinctiveness

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

The 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. Certificate and Value Added Course: The Institute started certificate course of Industry Institute Interaction Program and the Horticulture course for Chemistry and Botany

students respectively. Also the institute successfully completed value added courses like Chemical Plant Operator, Hematology and Computer Application in Science Studies. Internship, Training and Placement: Internships, Industrial visits, Instrumentation and Industrial training and placement activities are well designed by the UDISHA. Through this type of activities make students readily acceptable to the corporate world and promote entrepreneurship. Participation of students in Cocurricular activities and extracurricular activities helps to enhance all rounded personality to strongly face the turbulent road of the future. With the trust of academic excellence, Institute motivates and support students to participate in various State, National and International level seminars. Consistent Participation and evidences of success proves distinctiveness of the institute across the science community. Encourage students towards research and innovation practices. Apart from UG and PG students are also encouraged and given opportunity to get involved in research driven. NSS: The student NSS wing is active in order to imbibe strong social values in our students mind. NSS activities train the students in social values like honesty, concern for others etc. Youth Activity: College youth are interested to build positive bridge between mentally disabled community as well as Deaf and Dump community with different programs.

Provide the weblink of the institution

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

### **8.Future Plans of Actions for Next Academic Year**

1. Prepare staff for the second cycle of NAAC accreditation. 2. Promote Research, Innovation and Start Up for students. 3. Promote Faculty Development Programs, Exchange Programs for students and staff. 4. Establish effective academic and industry linkages. 5. To sign MOUs with industries to get industry sponsored projects, internships, training of students and placement. 6. To start certificate and value added courses. 7. Inspire students to achieve University rank. 8. To promote research culture among the departmental faculties as well as students. 9. Initiate faculties and students to participate in national and international seminars/conferences/FDP 10. Encourage students for internship, instrumentation training, industrial training or any other training programs related to their subjects. 11. To start skill development programs to produce industry supported stake holders.