

# THE HNSB LTD. SCIENCE COLLEGE, HIMATNAGAR

(Managed By Himatnagar Kelvani Mandal, Himatnagar)

(Affiliated to Hemchandraacharya North Gujarat University, Patan)

(NAAC Accredited B Grade)(GSIRF 4 Star Rank)

## IQAC NEWSLETTER

(2023-2024)

“Commitment to Excellence, Innovation, and Continuous Improvement in Higher Education”

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### Published by:

Internal Quality Assurance Cell (IQAC)

The HNSB Ltd. Science College, Motipura, Himatnagar - 383001

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**IQAC Coordinator:** Dr. N.I. Patel

**NAAC Coordinator:** Dr. Z.M. Gadhawala

**I/C Principal:** Dr. J.S. Patel

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## **Principal's Desk:**

It gives me immense pleasure to present the 2023-2024 IQAC Newsletter for The HNSB Ltd. Science College, Motipura, Himatnagar. As an institution committed to academic excellence and continuous improvement, we have made significant strides over the past year in implementing quality enhancement initiatives. Our dedicated faculty, staff, and students have worked tirelessly to uphold the values of integrity, innovation, and inclusivity.

The role of the Internal Quality Assurance Cell (IQAC) has been instrumental in driving initiatives like self-appraisal systems, feedback collection, and various development programs that contribute to the holistic growth of our institution. The successful completion of field projects, faculty development programs, and internal audits reflects our commitment to creating an enriching environment for learning.

We are confident that these initiatives will continue to shape our path towards academic excellence and better service to the community. I thank all stakeholders faculty, staff, students, parents, and alumni for their continued support and collaboration.

Together, we will continue to enhance the quality of education and ensure that our college remains a beacon of knowledge and innovation.

Dr. J.S. Patel

**I/C Principal**

The HNSB Ltd. Science College, Motipura, Himatnagar

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## **NAAC Coordinator's Desk:**

**As the NAAC Coordinator, I take this opportunity to express my pride in the achievements of The HNSB Ltd. Science College, Motipura, Himatnagar, as reflected in our 2023-2024 IQAC news letter. The past academic year has seen significant strides in enhancing the quality of education, as well as in the administrative and infrastructural growth of the institution. Our successful submission of the Annual Quality Assurance Report (AQAR) for 2022-23 to NAAC stands as a testament to our commitment to national standards of quality in higher education.**

**The NAAC accreditation process is an ongoing journey, and it is through initiatives like regular internal academic audits, faculty development programs, and student feedback analysis that we ensure continuous improvement. The IQAC has been pivotal in maintaining a system of accountability and growth, both for teaching and non-teaching staff. This aligns with our broader vision of creating a learning environment that is innovative, inclusive, and reflective of the best practices in education.**

**We look forward to the upcoming year with continued dedication to quality enhancement and the pursuit of excellence in all aspects of our academic and administrative endeavors.**

**Dr. Z.M. Gadhawala**

**NAAC Coordinator**

**The HNSB Ltd. Science College, Motipura, Himatnagar**

## **IQAC Coordinator's Desk:**

I am pleased to present the 2023-2024 newsletter of our college, reflecting the tireless efforts of the IQAC in its mission to enhance the quality of education and administration. The academic year 2022-23 was a year of achievement and progress, thanks to the active participation of faculty, staff, and students in various initiatives aimed at improving both teaching and learning outcomes.

The IQAC introduced several key measures, including the implementation of the self-appraisal system for staff, regular feedback collection, and various professional development programs. Our academic calendar, certificate courses, and field projects were designed to strengthen both theoretical and practical aspects of education. Additionally, the energy and environmental audits, conducted under our guidance, are a testament to our commitment to sustainability.

As we move forward, the IQAC will continue to support the institution in maintaining the highest standards of academic excellence, ensuring continuous feedback loops, and fostering an environment that promotes professional growth for all.

**Dr. N.I. Patel**

**IQAC Coordinator**

**The HNSB Ltd. Science College, Motipura, Himatnagar**

## IQAC COMPOSITION 2023-2024

SR.NO	NAME OF MEMBERS	DESIGNATION	SPECIFICATION
1	DR.J.S.PATEL	CHAIR PERSON	I/C PRINCIPAL
2	DR.N.I.PATEL	CO ORDINATOR	ASSO. PROFESSOR
3	DR.Z.M.GADHAWALA	EX.CO ORDINATOR	P.G.INCHARGE
4	DR.M.R.CHAVDA	MEMBER	HOD. CHEMISTRY
5	DR.M.N.PARMAR	MEMBER	HOD.PHYSICS
6	MR.HANI SHAH	MEMBER	HOD. MICROBIOLOGY
7	DR.M.M.PRAJAPATI	MEMBER	HOD.BOTANY
8	DR.S.P.VYAS	MEMBER	ASSI. PROFESSOR
9	DR.B.A.PATEL	MEMBER	LIBRARIAN
10	MR.N.R.SADHU	MEMBER	HEAD CLERK
11	MR.T.N.PATEL	MEMBER	STORE KEEPER
12	MR.MAYUR SINHA RAHEVAR	MEMBER	JR.CLERK
13	MR.JITENDRA KUMAR N. PATEL	MEMBER	Secretary (HKM)
14	DR.SUNILBHAI SHAH	MEMBER	PRINCIPAL (BBA)
15	MR.CHIRAG N.PATEL	MEMBER	INDUSTRIALIST,HMT.
16	MR.VIKRAM VANJARA	MEMBER	ALUMNI ASSO.
17	DR.BHARATBHAI R.PATEL	MEMBER	EMPLOYER
18	MR.SHUBHAM B.KOTHARI	MEMBER	SENIOR STUDENT(P.G.)

# Standard Operating Procedure (SOP)

## For Departments and Committees

**Academic Year: 2023-24**

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### 1. Introduction

The Internal Quality Assurance Cell (IQAC) of The HNSB. Ltd. Science College, Himatnagar, has been established to ensure the development and implementation of quality assurance and enhancement measures across all academic, administrative, and support processes. The primary function of the IQAC is to promote continuous improvement in the quality of education and to ensure that the college meets academic and infrastructural standards, fosters research, and maintains a supportive learning environment.

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### 2. Objectives of IQAC

The IQAC of the college aims to:

- Ensure the enhancement and maintenance of quality in the various aspects of academic and administrative activities.
  - Monitor and evaluate teaching-learning processes, research, and student support systems.
  - Promote quality initiatives for institutional development.
  - Enhance the college's academic and administrative performance.
  - Foster a culture of continuous improvement through feedback and self-assessment.
  - Comply with national and international accreditation standards, and prepare for periodic assessment and accreditation.
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### **3. Structure of IQAC**

The structure of IQAC will be as follows:

**a. Chairperson:**

Principal of The HNSB. Ltd. Science College

**b. Coordinator:**

A senior faculty member

**c. Members:**

- Faculty members (from various departments)
- Administrative staff
- Student representatives
- Alumni representative
- External members (with expertise in quality assurance)

The composition of the IQAC ensures representation from all the stakeholders in the college, including students, faculty, staff, and external experts.

### **4. Functions of IQAC**

**a. Academic Quality Assurance:**

- Review the academic calendar and ensure adherence to it.
- Monitor the teaching-learning process, ensuring that all syllabi are covered and taught effectively.
- Conduct periodic meetings with faculty members to discuss course delivery, challenges, and student performance.
- Organize workshops, seminars, and training for faculty members to improve teaching methodologies.

**b. Feedback Mechanism:**

- Design and implement mechanisms for regular feedback collection from students, alumni, parents, and other stakeholders regarding academic, infrastructural, and administrative quality.
- Analyze feedback data and take corrective actions wherever necessary.

- Publish feedback reports and improvement actions to all stakeholders.

**c. Research Promotion:**

- Encourage faculty members and students to participate in research activities.
- Facilitate research-based projects, publications, and collaborations with other institutions.
- Organize research seminars and conferences.
- Ensure that research activities align with the institutional mission and vision.

**d. Curriculum and Pedagogical Innovations:**

- Review and suggest improvements in the curriculum based on academic developments and emerging trends.
- Promote innovative teaching-learning methods, such as flipped classrooms, online learning modules, etc.
- Regularly assess and improve the effectiveness of academic and administrative policies.

**e. Monitoring and Reporting:**

- Monitor the implementation of various academic and administrative processes.
- Conduct internal audits to ensure the efficiency of various departments.
- Maintain records of quality enhancement initiatives and prepare an Annual Quality Assurance Report (AQAR) for submission to NAAC and other accrediting bodies.
- Review performance indicators and ensure that they align with institutional goals.



## **5. Quality Enhancement Initiatives**

The following quality enhancement initiatives will be undertaken for the academic year 2023-24:

### **a. Faculty Development Programs (FDPs):**

- Organize FDPs to enhance teaching skills, use of technology in education, and research-oriented activities.
- Invite external experts to share knowledge on pedagogical advancements and quality teaching practices.

### **b. Student Engagement Activities:**

- Organize co-curricular and extra-curricular activities to ensure holistic student development.
- Foster active student participation in decision-making processes.

### **c. Infrastructure and Learning Resources:**

- Assess the existing infrastructure, and make necessary improvements to ensure an optimal learning environment.
- Upgrade digital resources, library facilities, and laboratories to meet academic demands.

### **d. Administrative Excellence:**

- Ensure transparency and efficiency in administrative functions through regular audits and reviews.
- Implement digital systems for better management of student records, examination processes, and administrative functions.

## **6. Procedure for Monitoring and Evaluation**

### **a. Regular Monitoring:**

- Conduct regular meetings with faculty and staff to evaluate the effectiveness of various academic and administrative processes.
- Evaluate student progress through internal assessments, assignments, and examinations.
- Review the performance of departments, ensuring they are aligned with the college's goals and standards.

### **b. Data Collection:**

- Implement a systematic approach to collect and analyze data related to academic performance, student satisfaction, infrastructure, and administrative services.
- Use surveys, focus group discussions, and feedback forms to gather qualitative and quantitative data.

### **c. Report Generation:**

- Prepare and circulate quarterly and annual reports, summarizing quality assurance and enhancement activities, along with identified areas for improvement.
- Use the reports for strategic planning and decision-making in future academic and administrative initiatives.

## **7. Internal Audits and Self-Assessment**

### **a. Annual Internal Audits:**

- The IQAC will conduct internal audits at regular intervals to evaluate the academic, administrative, and infrastructural performance of the college.
- A team of internal auditors will assess the quality of teaching-learning processes, curriculum delivery, research initiatives, and student services.

### **b. Self-Assessment Reports (SAR):**

- Faculty members will prepare self-assessment reports that focus on their teaching methodologies, research contributions, and involvement in institutional development.
- Feedback from students, peers, and external stakeholders will be incorporated into the self-assessment process.

## **8. Action Plan for the Academic Year 2023-24**

### **1. Strengthening the Feedback Mechanism:**

- Introduce new formats for collecting feedback (online and offline).
- Regularly analyze feedback and implement changes to improve teaching-learning outcomes.

### **2. Enhancing Faculty Development:**

- Organize training sessions for faculty on new teaching methods and technologies.
- Conduct workshops on research methodology and publishing techniques.

### **3. Promoting Research and Innovation:**

- Increase funding for research projects and promote student research initiatives.
- Set up collaborations with other institutions for joint research and exchange programs.

### **4. Technology Integration:**

- Implement e-learning tools and platforms for improved access to resources and content delivery.
- Encourage faculty to adopt blended learning techniques.

## **9. Conclusion**

The IQAC at The HNSB. Ltd. Science College, Himatnagar, is committed to the continuous enhancement of academic quality and institutional development. By ensuring systematic monitoring, providing a platform for feedback, and fostering a culture of innovation, the IQAC aims to uphold the college's mission of delivering quality education while meeting the standards set by national and international accreditation bodies.

The detailed list of activities for the NAAC (National Assessment and Accreditation Council) activities at The HNSB.Ltd. Science College, Himmatnagar for the academic year 2023-2024. These activities span various committees and departments, including certificate courses, field projects, cultural events, sports, and more. The guidelines for each activity emphasize documentation requirements, collaboration, and involvement of students.

### **Key Committees and Activities:**

#### **1. Certificate Courses:**

- Offered by various departments like Chemistry, Microbiology, Botany, and Physics for different semesters.
- Requirements: Brochure, schedule, attendance sheets, photographs, certificates.

#### **2. Field Projects:**

- Conducted by departments like Chemistry, Botany, and Microbiology for specific semesters.
- Requirements: Attendance, brochures, photos, reports, certificates.

#### **3. Field Visits/Industrial Visits:**

- Organized for various departments and include internships and training.

- Documents required: Notice, attendance sheets, company letters, photos, reports.

#### **4. Grievance Redressal and Anti-Sexual Harassment Committees:**

- Regular meetings and implementation of action plans.
- Documents: Feedback, reports, meeting minutes.

#### **5. Women Development Cell:**

- Activities on gender equality, women's safety, and empowerment.
- Documents: Brochures, attendance sheets, photos, reports.

#### **6. Alumni and Parents Committee:**

- Organizes meetings and career guidance seminars.
- Documents: Brochures, attendance sheets, photos, reports.

#### **7. Cultural Committee:**

- Hosts various competitions and events such as Mehndi, Rangoli, Drawing, and Fresher's Day.
- Documents: Brochures, attendance, photos, reports.

#### **8. Sports Committee:**

- Organizes sports events and health awareness programs.
- Documents: Brochures, attendance, photos, reports.

#### **9. Library Committee:**

- Celebrates national harmony, and organizes cultural and constitution-related activities.
- Documents: Circulars, attendance, photos, reports.

#### **10.NSS (National Service Scheme):**

- Focuses on social responsibility activities like cleanliness, health awareness, and gender equity.
- Documents: Attendance, photos, reports, certificates.

#### **11.Extension & Outreach Programs:**

- Includes tree plantation, health awareness drives, and support for neighboring communities.
- Documents: Collaboration letters, brochures, photos, reports.
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## **12. Annual Day Celebration:**

- Celebrates Indian culture and national harmony through performances.
- Documents: Circulars, reports, photos.

## **13. IQAC:**

- Focus on academic quality and faculty development programs.
- Documents: Brochures, reports, feedback, and performance reviews.

## **14. Youth Committee:**

- Organizes events and commemorative days like Independence Day, Gandhi Jyanti, and others.
- Documents: Circulars, attendance, photos, reports.

## **15. Incubation/SSIP/Research Committee:**

- Organizes webinars and workshops on research and entrepreneurial skills.
- Documents: Brochures, attendance, photos, reports.

## **16. ICT/DELL/SCOPE Committee:**

- Focuses on ICT infrastructure maintenance and awareness programs.
- Documents: Invoices, photos, and reports.

## **17. SC/ST/OBC Cell:**

- Supports SC/ST/OBC students with awareness programs and scholarships.
- Documents: Circulars, photos, reports.

## **General Document Requirements for Most Activities:**

- Brochures/Circulars.
- Attendance sheets (signed by participants).
- Geotage photos.
- Event reports.
- Certificates where applicable (especially for internships and activities).

## **Collaboration:**

- Many activities require collaboration with external organizations, neighboring colleges, and community services.

## **Summary Report of IQAC Activities (2023-2024)**

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- **In line with our commitment to enhancing performance evaluation, assessment, accreditation, and overall quality enhancement of our institution, the establishment of the Internal Quality Assurance Cell (IQAC) has been pivotal. The core objective of IQAC is to institute a framework for deliberate, consistent, and catalytic improvement in our institution's overall performance. Central to this effort is the active involvement of all faculty members in research endeavors and professional development initiatives.**
- **The HNSB. Ltd. Science College initiated the establishment of IQAC on February 1, 2008, to foster increased engagement of faculty members in such activities. Before the establishment of IQAC, only a limited number of faculty members showed interest in publishing papers, and participation in national and international conferences was minimal. Additionally, there was a dearth of organized professional development programs within the college. While individual faculty members expressed interest in pursuing Faculty Development Programs (FDPs) or other short-term training courses, there was a lack of cohesive institutional support.**
- **Since the inception of IQAC at our college, there has been a remarkable transformation in our institutional landscape. Presently, a significant majority of faculty members demonstrate enthusiasm toward publishing papers and actively participate in various conferences and workshops, both within and outside the campus. Moreover, a substantial number of faculty members have completed various forms of FDPs and short-term training courses.**
- **The establishment of IQAC has thus played a pivotal role in fostering a culture of continuous improvement and professional growth within our institution. Moving forward, we remain committed to further enhancing the effectiveness of IQAC initiatives in promoting excellence across all facets of our institution's operations. The list of activities is given below.**

1	<b>Research Publications</b>	<b>07</b>
2	<b>FDP &amp; Short-term training courses</b>	<b>20</b>
3	<b>Workshops and Seminars attended or presented posters.</b>	<b>33</b>

## **Activities and Achievements:**

### **1. Academic Calendar:**

- The IQAC designed and displayed the academic calendar on the institution's website and notice boards for easy access.

### **2. Certificate Courses:**

- **Seven** certificate courses were successfully completed across various departments under the guidance of the IQAC.

### **3. Field Projects:**

- Field projects were conducted as part of the curriculum:
  - Chemistry Department: **Water analysis project**
  - Microbiology Department: **Microbiological analysis of dairy products**

### **4. Self-Appraisal System Implementation:**

- The IQAC introduced a self-appraisal system for both teaching and non-teaching staff. This initiative aims to enhance professional development and overall effectiveness.

### **5. Feedback Collection and Analysis:**

- Feedback forms were distributed to students, teachers, alumni, parents, and employers. The IQAC diligently collected, analyzed, and acted upon the feedback to improve the quality of education and administration.

### **6. Annual Quality Assurance Report (AQAR) Submission:**

- The IQAC successfully submitted the AQAR for the academic year 2022-23 to the National Assessment and Accreditation Council (NAAC), showcasing adherence to quality standards.



## **7. Regular IQAC Meetings:**

- The IQAC conducted regular meetings involving faculty, administrative staff, alumni, and parents to address concerns and implement improvements. A total of **7 meetings** were held during the year.

## **8. Faculty and Administrative Staff Development Programs:**

- The IQAC organized several professional development programs for faculty and administrative staff, including:
  - **Seminar on Professional Code of Ethics**
  - **Annual Awareness Program on Code of Conduct**
  - **Faculty Development Program (FDP) on Innovative Practices in the Science Stream**
  - **FDP on Curriculum Development**
  - **FDP on Artificial Intelligence**

## **9. Internal Academic Audit:**

- The IQAC designed and successfully completed an internal academic audit for different departments to assess and improve academic practices.

## **10. Energy and Environmental Audit:**

- The Physics and Botany departments conducted energy and environmental audits, respectively, under the guidance of the IQAC.

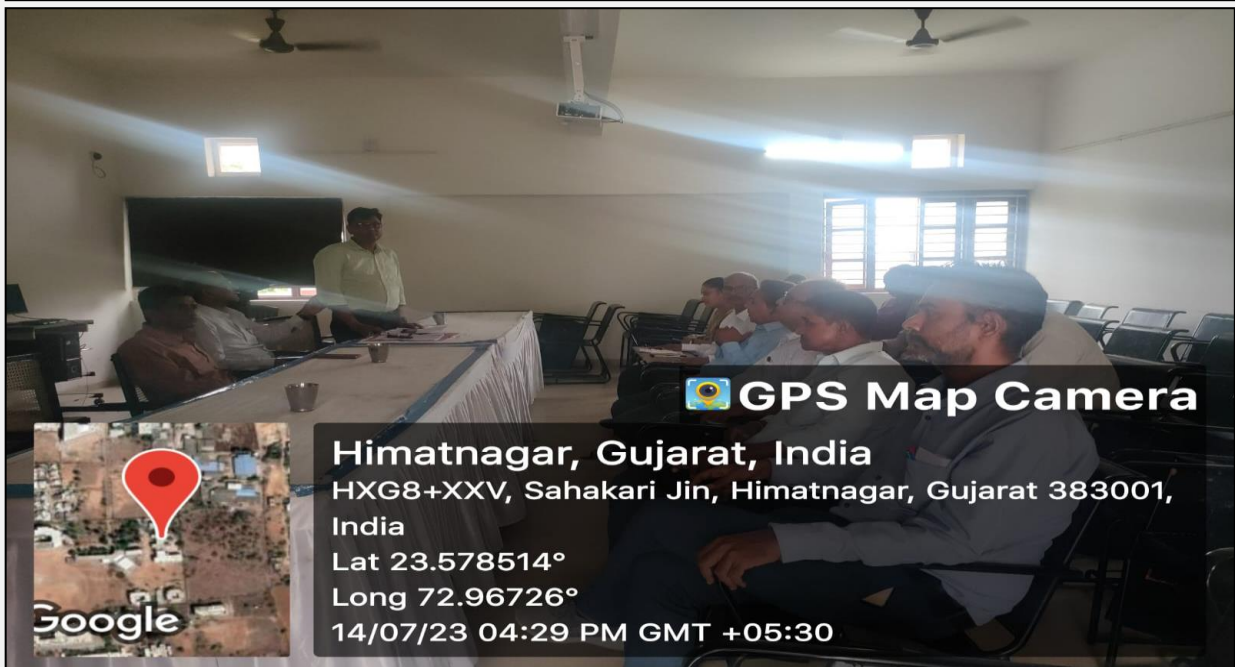
## **11. Feedback System:**

- The IQAC collected feedback from stakeholders, analyzed it, and ensured that suitable actions were taken to address concerns.

## **12. Upcoming Initiatives:**

- The IQAC has planned the release of the 2024-2025 IQAC news letter & Participation in GSIRF and NIRF.

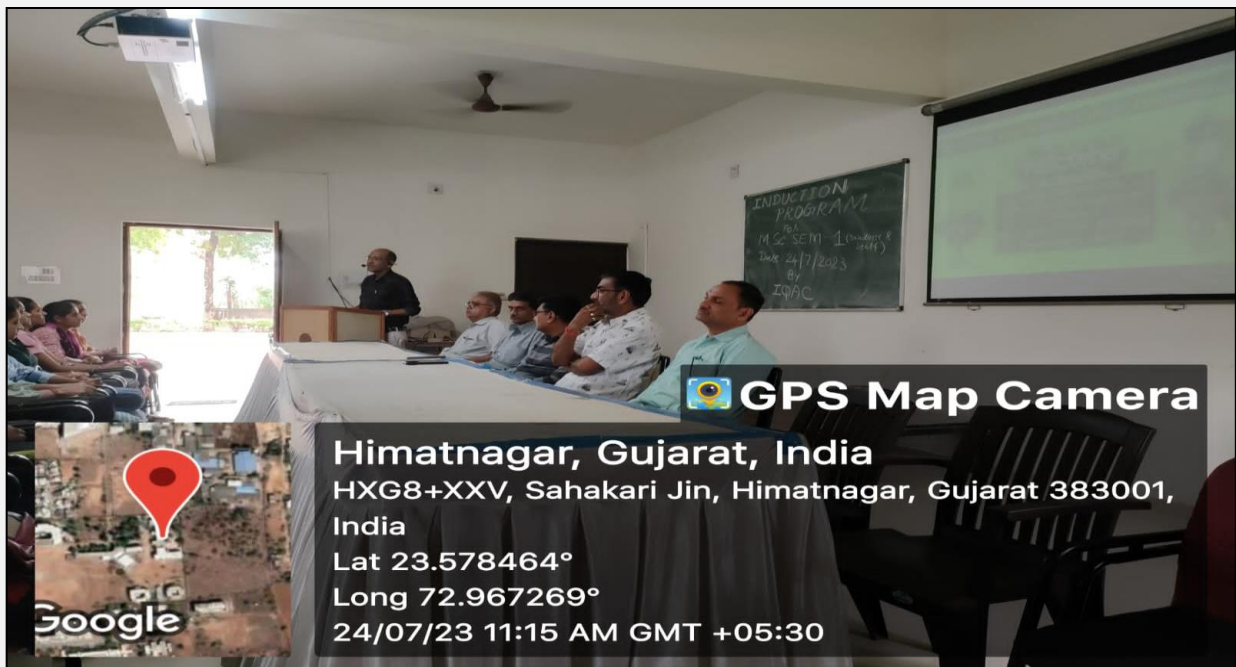
## Activities Photos















# **ACADEMIC AUDIT**

## **INTERNAL EVALUATION REPORT**

**Assessment Period: Academic Year: 2023-2024**

### **INTRODUCTION:**

The internal audit of different departments was conducted on **24,25,26 & 27<sup>th</sup> June, 2023** by the IQAC members, **Dr.J.S.Patel, Dr. Z.M.Gadhawala, Dr.N.I.Patel, Dr.M.M.Prajapati, Dr M.N.Parmar and Dr. M.R.Chavda.**

### ***Programmes offered:***

Observation: Under graduate programs: 03 Chemistry, Botany & Microbiology

Post-graduate programs: 02 Organic chemistry and Physical chemistry

Suggestion: More programs should be required at UG and PG levels

### ***Staff Profile:***

#### **Observation:**

19 teaching staff, 01 librarian, 11 non-teaching staff, 06 non-teaching staff (management), and 02 visiting staff are working in the College. 13 teachers with Ph.D. The teachers have an average of **18.84 years** of experience. The total experience of full-time teachers is **358 years**.

### ***Student profile:***

Total number of students: **619 decreased compared to 2021-22 & 2022-23**

Admitted students in the first year of UG: **172**

Admitted students in the first year of PG: **55**

Total number of outgoing students: **Appeared: 249 & Passed: 225 Average Result: 91.46 %**

Suggestion: Concerning sanctioned seats the admitted students are quite few compared to the previous year as well as number of outgoing students also decreased.

## CONCLUSIONS:

- **Key Observations:**

- The curriculum is periodically revised, and feedback is regularly collected and acted upon.
- Research activities require improvement and more encouragement.
- The institution's digitalization and IT infrastructure need significant upgrades.
- Placement and extension activities need strengthening.
- The Management should focus on implementing the objectives of the SAP.

## RECOMMENDATIONS:

- Increase student intake and implement skills-based certificate and value-added courses.
- Strengthen the mentoring system for both teachers and students.
- Financial incentives should be provided for research activities to motivate faculty.
- Improve research output by encouraging faculty to publish in high-impact journals.
- Streamline extension activities and enhance alumni participation in student welfare.
- Develop infrastructure such as smart classrooms, research labs, and sports facilities.
- Conduct Green, Environmental, and Energy Audits by certified agencies.
- **Institutional distinctiveness:**
  - **Academic Excellence:** Our institution is the preferred choice in Sabarkantha district for its exceptional quality education in Science.
  - **Highly Qualified Faculty:** The majority of our faculty holds Ph.D. degrees and guides at Hemchandraacharya North Gujarat University, ensuring top-tier mentorship.
  - **Research Leadership:** With 10 research scholars and faculty serving as Ph.D. evaluators, we foster a dynamic research environment.
  - **Outstanding Performance:** Producing university toppers and surpassing other science colleges underscores our commitment to excellence.
  - **Industry Integration:** Ongoing interaction with industries through various initiatives aligns our curriculum with real-world demands.
  - **Faculty Development:** Regular participation in FDPs, workshops, and seminars enhances teaching and research competencies.

- **Academic Governance:** Faculty members actively contribute to key roles in academic governance, shaping educational standards.
- **Global Alumni Network:** Alumni success stories include pursuing studies or careers abroad, highlighting international recognition.
- **Competitive Exam Achievements:** Many students excel in exams like NET, GATE, GSET and other examinations reflecting our effective academic preparation.

### **Best Practices for Enhancing Student Skill Development and Career Readiness**

As part of our ongoing efforts to enhance the quality of education and student outcomes, the Internal Quality Assurance Cell (IQAC) continually strives to implement best practices that foster holistic development. This newsletter highlights two key initiatives that have been instrumental in preparing our students for both academic excellence and successful careers.

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#### **Best Practice 1: Certificate Courses for B.Sc. and M.Sc. Students**

##### **Objectives:**

1. Enhance the skill set of students in specialized areas.
2. Provide additional qualifications that increase employability.
3. Bridge the gap between theoretical knowledge and practical applications.
4. Foster industry-academia collaborations for real-world exposure.

##### **Context:**

Our college, renowned for its academic excellence, has introduced certificate courses for B.Sc. and M.Sc. students in the Chemistry, Botany, Microbiology, and Physics departments. These courses are designed to supplement the regular curriculum and help students stay competitive in an ever-evolving job market.

##### **The Practice:**

Faculty from respective departments design and deliver 07 short-term, intensive



courses focusing on practical laboratory techniques and industry practices. These courses aim to enhance skills that align with current industry needs and trends, equipping students with hands-on experience that complements their theoretical knowledge.

**Evidence of Success:**

Post-course feedback from students shows a marked improvement in their confidence and application of skills during internships and research projects. Many students report enhanced career opportunities, with some securing positions in research, education, and industry sectors.

**Problems Encountered:**

Challenges include coordinating schedules, ensuring maximum student participation, and aligning certificate courses with the academic curriculum. Some students have difficulty balancing the additional coursework with their regular studies.

**Resources:**

This initiative is supported by experienced faculty members, well-equipped laboratories, and strong industry partnerships, which enable real-world training and internships.

**Best Practice 2: Skill Development and Career Support Programs****Objectives:**

1. Empower students with essential skills for personal and professional growth.
2. Facilitate a smooth transition from academics to the job market.
3. Increase placement rates and success in competitive exams.

**Context:**

In line with the college's commitment to holistic student development, we offer a series of capacity-building, skill-enhancement, and career guidance programs for both undergraduate and postgraduate students. These initiatives are crafted to

strengthen students' academic foundation while preparing them for the challenges of competitive exams and the job market.

### **The Practice:**

The college organizes a variety of seminars, workshops, and training sessions aimed at career guidance, including preparations for competitive exams like GSET, NET, and GATE. Additionally, the program includes soft skills training, resume building, mock interviews, and opportunities for industry interaction to enhance employability.

### **Evidence of Success:**

Several students have successfully cleared prestigious exams such as GSET, JAM, and other state-level competitive exams. Additionally, 20 students have secured placements in renowned companies, reflecting the success of the program in boosting career prospects.

### **Problems Encountered:**

One of the primary challenges is motivating all students to participate actively in these programs. Additionally, balancing preparation for competitive exams with academic commitments can be difficult for some students.

### **Resources:**

The program benefits from expert trainers, alumni support, career counseling services, and industry partnerships that help provide real-world guidance and opportunities.

### **Conclusion:**

Best practices certificate courses for specialized skills and comprehensive career support programs contribute significantly to the holistic development of students. These initiatives not only help Students Bridge the gap between theory and practice but also increase their employability, preparing them for a wide range of career paths in research, education, and industry.

We look forward to continuing these successful practices, fostering an environment of excellence, and creating more opportunities for student success.

### **Plan of Action for the Next Academic Year 2024-25:**

The HNSB Ltd. Science College is committed to fostering an environment of excellence in both student and faculty development. In line with our vision and mission, the institute has outlined the following initiatives for the upcoming academic year:

1. Achieve GSIRF and NIRF Accreditation by the end of the academic year 2024-2025, ensuring recognition for our commitment to academic quality and excellence.
2. Foster closer ties with industry partners to facilitate collaborative projects, internships, and interactions, thereby bridging the gap between academia and industry, and providing students with practical exposure and relevant skills.
3. Expand outreach efforts and community engagement programs to address societal needs and contribute positively to the well-being of the local community.
4. Empower students with entrepreneurial skills and promote innovation through targeted skill development programs, encouraging them to think creatively and pursue entrepreneurial endeavors.
5. Cultivate a culture of research among faculty members by organizing research orientation programs and providing necessary resources and support to facilitate the publication of research papers in indexed journals and books with ISBN.
6. Establish a comprehensive waste management system within the institution to promote environmental sustainability and responsible stewardship of resources.
7. Enhance infrastructure and facilities to provide students with a conducive learning environment, equipped with modern amenities and resources to support their academic and extracurricular pursuits.

8. Implement measures to ensure inclusivity and diversity within the campus community, fostering an environment where all individuals feel valued, respected, and supported in their academic and personal growth journeys.

By pursuing these initiatives, The HNSB Ltd. Science College aims to not only uphold its reputation for academic excellence but also to nurture well-rounded individuals equipped to address the challenges of the future and make meaningful contributions to society.

### **Key Personnel:**

- *IQAC Coordinator: Dr. N.I. Patel*
- *NAAC Coordinator: Dr. Z.M. Gadhawala*
- *I/C Principal: Dr. J.S. Patel*
- *College Name: The HNSB Ltd. Science College, Motipura, Himatnagar, 383001*