

THE HNSB. LTD. SCIENCE COLLEGE, HIMATNAGAR

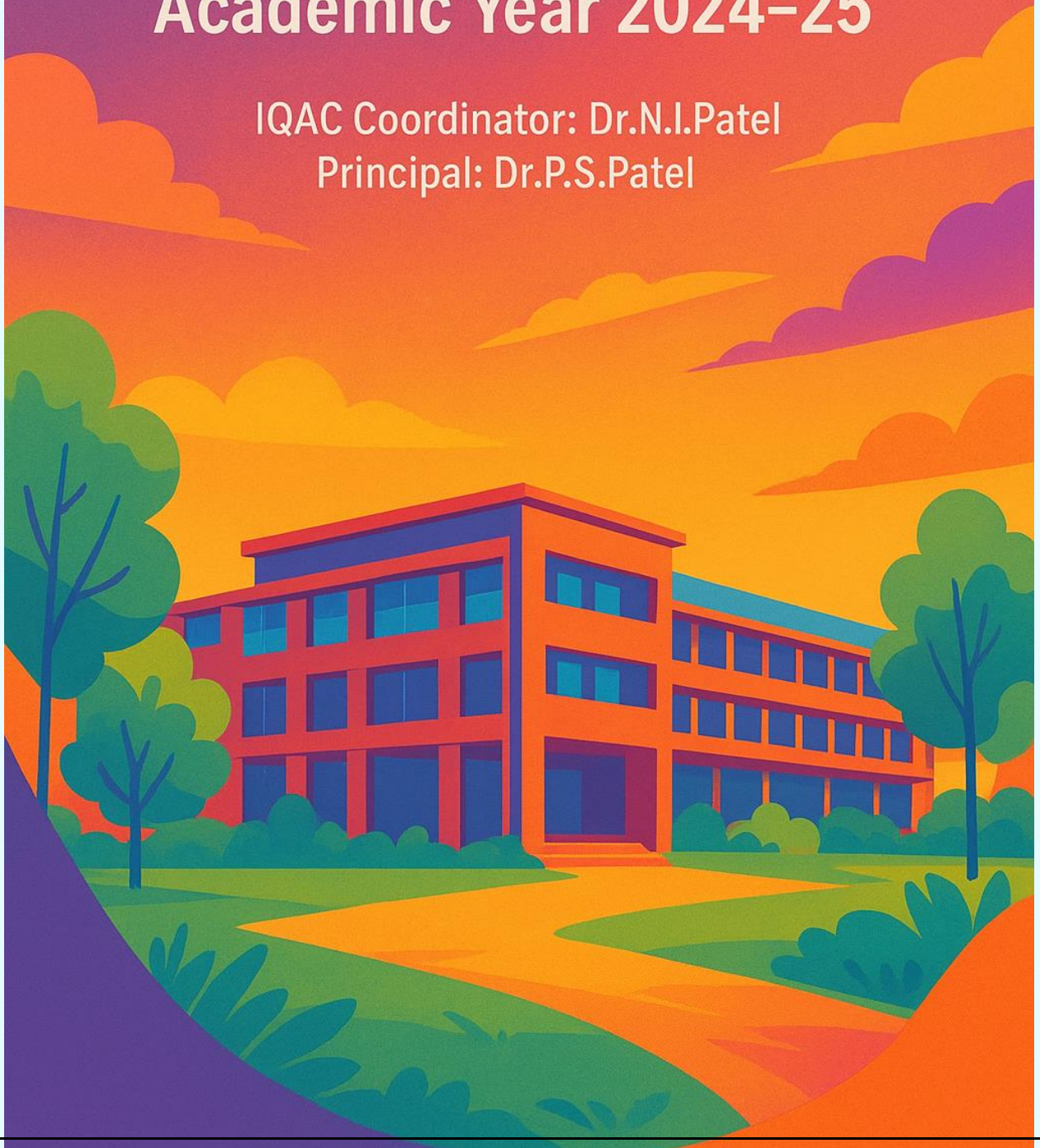
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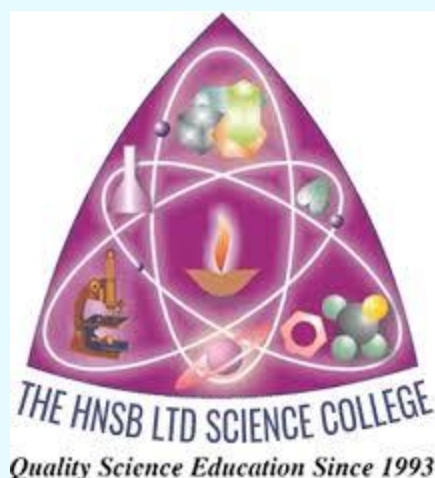
IQAC NEWSLETTER

Academic Year 2024-25

IQAC Coordinator: Dr.N.I.Patel

Principal: Dr.P.S.Patel





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Principal : Dr.P.S.Patel

FROM THE PRINCIPAL'S DESK

Dr. P. S. Patel, Principal

It gives me immense pleasure to present the *IQAC Newsletter for the Academic Year 2024–25*, highlighting the academic excellence, quality enhancement

initiatives, and institutional growth of our college. The academic year has been remarkable due to collective efforts of faculty, staff, students, alumni, and stakeholders who contributed to strengthening our teaching-learning ecosystem, research culture, and extension activities.

The Internal Quality Assurance Cell (IQAC) has played a transformative role in ensuring quality benchmarks through systematic audits, feedback mechanisms, faculty development initiatives, curriculum enrichment, and infrastructural upgradation. With the implementation of ISO 21001:2018 standards and robust academic planning, we continue moving toward excellence in higher education.

I congratulate the entire IQAC team for their dedicated efforts in preparing this comprehensive newsletter.

FROM THE IQAC COORDINATOR'S DESK

Dr. N.I.Patel, IQAC Coordinator

The academic year 2024–25 reflects yet another milestone for our institution in terms of quality assurance and continuous improvement. As part of our commitment to academic rigor, IQAC monitored Programme Outcomes (POs), Course Outcomes (COs), and ensured effective curriculum implementation through Outcome-Based Education (OBE).

Major audits, including the Green Audit (Platinum Level), Energy Audit, Environmental Audit, Gender Audit, and Internal Academic & Administrative Audit, were successfully completed. IQAC also coordinated certificate courses, industrial visits, internships, field projects, faculty development programs, and

documentation processes to comply with NAAC, GSIRF, AISHE, NIRF, and ISO requirements.

FROM THE NAAC COORDINATOR'S DESK

NAAC Coordinator : Dr. Z.M.Gadhawala

The Academic Year **2024–25** has been a year of strategic progress and systematic strengthening of all NAAC-aligned quality benchmarks. With the guidance of the Principal and active cooperation of IQAC, all departments, committees, and administrative units, a holistic quality culture has been reinforced across the institution. During this year, the **AQAR 2023–24** was successfully compiled and submitted as per the revised **NAAC Binary Framework**, ensuring accuracy, transparency, and evidence-based reporting. A structured mechanism for **CO-PO Mapping, Attainment Analysis, Result Analysis, and Academic Audit** has been implemented and institutionalised. Each department was mentored to strengthen internal documentation, record-keeping, and outcome-based teaching–learning methodologies.

Systematic work related to **NAAC Cycle-2**, due on **31 March 2026**, has commenced with the development of departmental NAAC files, metric-wise data compilation, and initiation of the **Document Compliance System (DCS)**. This includes validation of quantitative metrics, formatting of qualitative templates, and creation of year-wise evidence folders for all seven NAAC criteria.

A major thrust this year was on improving academic and administrative transparency. IQAC facilitated:

- **Stakeholder Feedback Mechanism** (Students, Teachers, Alumni, Parents, Employers) with ATR preparation.
- **Internal Academic & Administrative Audits** focusing on teaching plans, syllabus completion, ICT usage, assessment patterns, file maintenance, and compliance.
- **Quality enhancement training programs** including FDPs, professional ethics workshops, NEP-2020 orientation, and NAAC documentation sessions.
- **E-Content Development & Digital Resource Up-gradation** to encourage blended learning practices.
- **Strengthening of Research Ecosystem** by mentoring faculty for publications, proposals, and consultancy documentation.

Emphasis was also placed on strengthening the **Institutional Repository**, digitisation of records, enhancement of **IQAC Portal**, and upgrading the **Feedback & Data Management System**. The collaborative involvement of faculty members has significantly improved the quality of teaching-learning processes and enriched the academic environment.

As we prepare for **NAAC Cycle-2**, IQAC and the NAAC Cell remain committed to ensuring that every criterion reflects the institution's academic rigour, societal engagement, research contributions, and continuous quality improvement. The systematic initiatives undertaken during 2024–25 have created a clear roadmap toward achieving higher benchmarks in accreditation and institutional excellence.

IQAC Composition: 2024–25

Sr. No.	Name of Member	Designation	Specification / Role
1	Dr. J. S. Patel	Chairperson	I/C Principal
2	Dr. N. I. Patel	Coordinator	Associate Professor
3	Dr. Z. M. Gadhawala	Ex-Coordinator	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	Assistant 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. Mayursinh Rahevar	Member	Junior Clerk
13	Mr. Jitendrakumar 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 Association Representative

Sr. No.	Name of Member	Designation	Specification / Role
17	Dr. Bharatbhai R. Patel	Member	Employer Representative
18	Mr. Shubham B. Kothari	Member	Senior Student (P.G.)

INSTITUTIONAL PROFILE

Particulars	Details
Institution	The HNSB Ltd. Science College, Himatnagar
Affiliation	Hemchandracharya North Gujarat University, Patan & UGC
Website	www.hnsbscihmt.org
Types of Institution	Co-education & Grant in aid
Principal & IQAC Coordinator	Dr.P.S.Patel & Dr.N.I.Patel
Accreditation	Cycle 1 st and 2 nd : NAAC – B Grade
GSIRF Ranking	★★★★ (4-Star Rating)
Certifications	ISO 21001:2018, Green Audit (Platinum), Environmental Audit, Energy Audit
Programmes Offered	UG: Chemistry, Botany, Microbiology • PG: Chemistry (Organic & Physical)
Total Students	521
Human Resources	19 Teaching • 01 Librarian • 01 PTI • 11 Non-

	Teaching • 06 Management • 02 Visiting
Research Guides	08 recognized guides (11 Registered Ph.D. scholars)
Results (B.Sc. Sem-6 & M.Sc.Sem-4)	Appeared : 180 & Passed : 172 Result : 95.6%
Students Progression to Higher education	79
Placed Students	23
MOUs	13 MOUs & 25 academic/industrial collaborations

Significant Contributions Made by IQAC during the Academic Year 2024–25

- Comprehensive Quality Audits Conducted:**
 IQAC successfully organized and completed major audits including **Gender Audit, Green Audit, Environmental Audit, Energy Audit, Internal Academic Audit, and Financial Audit**, strengthening institutional transparency, inclusivity, and sustainability practices.
- ISO 21001:2018 Certification Achieved:**
 The institution attained **ISO 21001:2018 – Educational Organization Management System (EOMS)** certification, reflecting a strong commitment to academic governance, learner-centric policies, and global quality benchmarks.
- Feedback Mechanism Strengthened:**
 Structured feedback was collected from **students, teachers, alumni, parents, and employers**. IQAC analyzed and implemented actionable improvements, enhancing teaching-learning processes and administrative efficiency.

- **AQAR 2023–24 Submitted to NAAC:**

IQAC successfully prepared and submitted the **Annual Quality Assurance Report (AQAR)** to NAAC for the academic year 2023–24, ensuring compliance with national quality assurance standards.

- **Capacity Building & Development Initiatives:**

IQAC organized multiple **Faculty Development Programmes (FDPs), Administrative Staff Development Workshops, and Training Sessions**, promoting continuous professional growth and institutional excellence.

Regular IQAC meetings were conducted involving faculty, staff, alumni, and parents, fostering collaborative decision-making and timely implementation of quality initiatives.

IQAC also **published the IQAC Newsletter** for wider dissemination of institutional progress.

Professional Development & Administrative Training Programmes (2024–2025)

Date	Professional Development Programme (Teaching)	Administrative Training Programme (Non-Teaching)	Participants
05/09/2024	Talk on National Education Policy-2020: Prospects & Challenges	NA	IQAC (Dr. N. I.
17/08/2024	NAAC Reforms 2024: Binary Accreditation Framework for Affiliated Colleges	NA	Incubation Cell
25/02/2025	One-Day Training Programme on Interactive Digital Board	NA	Rao Derll
21/08/2024	National Level Webinar & Awareness Programme on IPR	NA	Incubation Cell
11/03/2025	National Conference – FUSION-2025	NA	ELS LOB)
01/02/2025	Personality Development of Administrative & Supporting Staff	NA	Library Committee

• **PLAN OF ACTION & ACHIEVEMENTS by IQAC (2024–25)**

Plan of Action	Achievements/Outcomes
Academic Calendar	Prepared by IQAC and uploaded on website & notice boards
Certificate Courses	07 certificate courses completed
Field Projects	Chemistry, Microbiology & Botany completed projects on Food Adulteration, Raw Vegetables Analysis & Invasive Species
FDPs & Training	Multiple FDPs, seminars, cyber security workshops, NEP-2020 sessions completed
Performance Appraisal	Implemented for teaching & non-teaching staff
Internal Academic & Gender Audit	Successfully completed by IQAC
Energy & Environmental Audit	Achieved Platinum Certification by Green Mentor
Feedback System	Feedback from students, alumni, faculty & employers analyzed and ATR prepared
IQAC Meetings	Seven meetings were conducted during the year

MAJOR ACHIEVEMENTS OF THE YEAR

- Successfully completed **Gender Audit, Green Audit (Platinum), Environmental Audit, Energy Audit, and Internal Academic & Financial Audits.**
- Achieved **ISO 21001:2018 Certification.**

- AQAR (2023–24) submitted to NAAC.
- 07 Certificate Courses completed.
- 100% PG Internship Completion.
- Two faculty members from Botany served as **BoS Members at HNGU, Patan.**
- Two Industrial Visits: **Sanjar Pharma LLP, Dedhrota & Bayer Crop Science Ltd., Himatnagar.**
- Interdisciplinary Field Trip by Botany & Microbiology.

CURRICULUM DESIGN, DELIVERY & ACADEMIC PLANNING

Our college, affiliated with **Hemchandracharya North Gujarat University, Patan**, ensures that curriculum design and implementation align with **local, national, regional, and global developmental needs**. This is achieved through clearly defined **Programme Outcomes (POs)** and **Course Outcomes (COs)** monitored by the IQAC under the **Outcome-Based Education (OBE)** framework.

Academic Planning & SOP

- Annual **Institutional Academic Calendar** prepared by IQAC.
- Class-wise **timetables** and **syllabus allotments** implemented.
- **Monthly reviews** ensure timely syllabus completion.
- Remedial classes for slow learners; mentoring for advanced learners.
- Feedback from all stakeholders analyzed to prepare **Action Taken Reports (ATR)**.
- Annual **Student Satisfaction Survey (SSS)** conducted.

Curriculum Enrichment

- Certificate Courses
- Internships & Field Projects
- Industrial Visits
- Workshops, Debates, Seminars, Quizzes
- Digital Skills & Entrepreneurship activities

RESEARCH, INNOVATION & EXTENSION

Highlights

- 08 recognized Ph.D. guides with 11 scholars.
- SHODH Research Grant: **₹12.00 lakh**.
- One National Conference on FUSION : 2025: Integrating Sciences for Brighter Future (FISBF-2025) was Organized by the R & D cell under the guidance of the IQAC dated on 11/3/2025 and totally 245 participants benefitted.
- One National level webinar was organized by the Incubation cell on IPR dated on 21/8/2024 and totally 151 participants benefitted from all over India
- PG students presented research papers; one received National-level Oral Presentation recognition.
- Organized 07 academic workshops/seminars.
- NSS, WDC, Eco-Club actively engaged in extension.
- 79 students admitted to higher studies.
- Competitive exams passed: **NET – 1, GSET – 2, JAM – 1, PET – 1.**
- 639 scholarships distributed amounting to **₹17,91,720.**

- SOUL upgraded to 3.0; 07 digital classrooms functional.

INFRASTRUCTURE & DIGITAL LEARNING

The institution continuously strengthens its infrastructure to support quality teaching, research, and holistic development.

Digital & ICT Facilities

- **07 Smart Classrooms** with ICT-enabled teaching tools.
- **Fully Wi-Fi Enabled Campus** to facilitate digital learning.
- **SOUL 3.0 Library Management Software** implemented for advanced digital cataloging.
- **Computing Resources:** 59 computers across departments, admin office, library, and laboratories.
- **CCTV Surveillance:** Entire campus monitored 24×7 for safety and security.
- **Wi-Fi Bandwidth:** Existing 50–100 Mbps; recommendation by IQAC → **Upgrade to 300–500 Mbps** to support digital learning and online academic processes.

Green & Sustainable Infrastructure

- **18 KW Solar Power Plant** installed, reducing carbon footprint and electricity consumption.
- **Green Landscaping:** Lush green campus with botanical garden sections, medicinal plants, and shaded areas.
- **Waste Management:** Vermicompost, plastic-free measures, green audit recommendations implemented.

Sports & Recreational Facilities

- **Indoor Game Hall** supporting chess, table tennis, carrom, etc.
- **Yoga Hall** for wellness sessions, NCC/NSS activities, and mental health programs.
- **Outdoor Playground:** Facilities for **cricket, athletics, football, volleyball, and badminton.**
- **Canteen Facility** with hygienic food services.
- **Ladies Hostel** with secure accommodation and essential amenities.

FUTURE PLAN OF IQAC (Overall Institutional Roadmap)

To ensure continuous quality improvement and institutional excellence, IQAC proposes the following **holistic, long-term, multi-dimensional quality roadmap:**

1. NAAC, AQAR & Accreditation Roadmap

1.1 NAAC Cycle-2 Completion & Cycle-3 Readiness

- Complete all preparations for **NAAC Cycle-2 submission by March 2026.**
- Immediately initiate **NAAC Cycle-3** roadmap as per *New NAAC Guidelines*:
 - Advanced OBE
 - Digital documentation system
 - Annual audits
 - Continuous stakeholder feedback
 - Collaborative practices & global visibility

1.2 AQAR Submission

- Ensure **AQAR 2024–25** submissions to KCG **within the schedule.**

- Strengthen timely AQAR submission for every year with improved data accuracy and evidence uploading.

1.3 Institutional Development Plan (IDP) 2025–2030

- Develop a **5-year Institutional Development Plan** focusing on:
 - Academic expansion
 - Research development
 - Digital transformation
 - Global partnerships
 - Sustainability initiatives

2. ISO Certifications & Quality Assurance Systems

- Strengthen and maintain **ISO 9001:2015** Quality Management System.
- Expand the scope to include academic, administrative, and student-support units.

3. IT, Digitalization & Library Transformation

3.1 IT Infrastructure Enhancement

- Implement **ERP-based MIS automation** for:
 - Attendance
 - Examinations
 - Admission
 - Internal assessment
 - Feedback systems
- Establish **Digital Teaching Studios** for e-content.

3.2 Library Up-gradation

- Expand **Digital Library & E-Resource Access** (N-LIST, DELNET, e-books, journals).

- Implement **RFID-enabled automation** for circulation.
- Create a **Digital Repository** of:
 - e-content
 - research papers
 - dissertations
 - academic resources

4. Audits & Compliance Systems

- Conduct the following audits annually:
 - **Academic Audit**
 - **Administrative Audit**
 - **Library Audit**
 - **Green Audit**
 - **Energy Audit**
 - **Environment Audit**
 - **ICT Audit**
 - **Female Safety & Security Audit**
- Prepare structured ATR (Action Taken Report) for all audits.

5. Research, Innovation & Consultancy

- Organize **International, National & State-Level Conferences, Seminars, FDPs, Workshops**, and Research Summits.
- Promote faculty & student publications in **UGC-CARE, Scopus, and Web of Science** journals.
- Strengthen **Consultancy & Research Linkages** with industry and institutions.
- Develop **Incubation & Start-up support system** aligned with NEP 2020.

6. Internationalization & Strategic Partnerships

- Sign **International-Level MoUs** with:
 - Universities
 - Research institutions
 - Industries
 - Healthcare organizations
- Promote **student and faculty exchange programmes**.
- Conduct **joint international webinars, workshops, and research projects**.
- Establish **International Cell** to coordinate global collaborations.

7. NIRF Participation & Rankings

- Participate annually in **NIRF India Rankings** in the Colleges category.
- Improve ranking parameters:
 - Teaching–Learning & Resources
 - Graduation Outcomes
 - Research Productivity
 - Peer Perception
- Strengthen **GSIRF Star Ranking** by improving key indicators.

8. Academic Expansion & NEP 2020 Implementation

- Implement **multi-disciplinary and skill-based curriculum**.
- Strengthen:
 - Academic Bank of Credits (ABC)
 - 120-hour Internships (4 credits)
 - B.Sc. Honours
 - B.Sc. Honours with Research
- Launch new **skill and value-added programmes** in alignment with NEP.

9. Student Development, Support & Welfare

- Strengthen **Career Guidance & Placement Cell**.
- Expand **Mentor–Mentee System** with digital tracking.
- Organize:
 - Soft skills training
 - Personality development
 - Competitive exam coaching
- Increase student participation in **sports, cultural, and community activities**.

10. Green Campus, Sustainability & Social Responsibility

- Expand:
 - Solar energy
 - Rainwater harvesting
 - Waste management
 - Plastic-free initiatives
- Strengthen NSS, RAGMHI, and community engagement activities.

MESSAGE FROM IQAC

“Quality is not an act, it is a continuous journey.”

- As we bring this edition of the IQAC Newsletter to a graceful close, we take pride in reflecting upon another year of progress, transformation, and meaningful engagement. The Internal Quality Assurance Cell (IQAC) has continued its mission of fostering excellence across every academic and administrative sphere of the institution.
- Throughout the academic year 2024–25, IQAC steered numerous quality enhancement initiatives—ranging from comprehensive audits and capacity-

building programmes to digital transformation, stakeholder involvement, and strengthening of institutional governance mechanisms. These efforts have collectively enriched our learning ecosystem and elevated our commitment to transparency, accountability, and continuous improvement.

- Our faculty, administrative team, students, alumni, and collaborative partners have played an invaluable role in sustaining the culture of quality. Their contributions resonate across every achievement highlighted in this newsletter.
- Moving forward, the IQAC remains dedicated to:
 - ✦ Promoting innovative teaching–learning methodologies
 - ✦ Strengthening outcome-based education practices
 - ✦ Enhancing the institutional research ecosystem
 - ✦ Advancing environmental & gender-sensitive campus initiatives
 - ✦ Expanding digital, administrative, and academic capabilities
- Together, we will continue shaping an institution that upholds excellence, inclusivity, sustainability, and values-driven education.
- Thank you for your continued trust, participation, and support.

With Warm Regards,

Internal Quality Assurance Cell (IQAC)

The HNSB. Ltd. Science College, Himatnagar

