

Internal Quality Assurance Cell (IQAC)

The HNSB.Ltd.Science College,

Himatnagar

(Managed by Himatnagar Kelavani Mandal)

NAAC with Grade 'B', CGPA 2.05 (Cycle-2)

Affiliated to Hemchandracharya North

Gujarat University, Patan

 Location:

Motipura Circle, Himatnagar – 383001,

Gujarat, India

 Contact:

+919428852751, +91 9426575775

 Email:

scihmt@yahoo.co.in

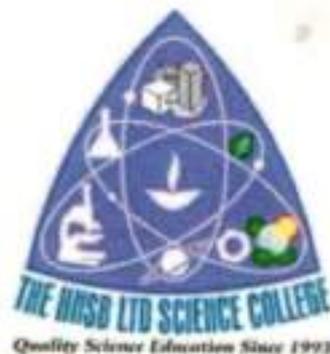
Submitted To : Knowledge Consortium Of
Gujarat, Department of Education, Government of Gujarat



Submitted By:

Dr.P.S.Patel
Principal

Dr. Z.M. Gadhawala
IQAC & IDP Institutional Coordinator



INSTITUTIONAL DEVELOPMENT PLAN (IDP)
NEP 2020 (Under Section 12.3, 13.6 & 19.5)
YEAR: 2025-2030



Managed by – Himatnagar Kelavani Mandal, Himatnagar.
THE H.N.S.B. LTD. SCIENCE COLLEGE,
HIMATNAGAR, DIST. : SABARKANTHA – 383001.

Principal: Dr. P. S.Patel
(M) 94288 52751
Tel.: (02772) 228925

Website: www.hnsbscihmt.org
e-mail: scihmt@yahoo.co.in
Zone Code No. : 93

NAAC Accredited 'B' Grade

Ref. No. **16**...../2025 -2026

Date: 11/ 07 /2025

To

The Principal
The HNSB Ltd. Science College
Himatnagar



Subject: Submission of Institutional Development Plan (IDP) 2025–2030
Prepared by IQAC for Confirmation and Permission for Submission to KCG
and Upload on Institutional Website

Respected Sir,

With due respect, I would like to submit the *Institutional Development Plan (IDP) for the period 2025–2030*, prepared by the Internal Quality Assurance Cell (IQAC) of *The HNSB Ltd. Science College, Himatnagar*, in accordance with the guidelines of the National Education Policy (NEP) 2020 under Sections **12.3, 13.6, and 19.5**.

The draft IDP was presented and discussed in the IQAC meeting held on **3rd July 2025**, and I hereby submit it for your kind review and formal **confirmation**.

I further seek your kind **permission** to:



Managed by – Himatnagar Kelavani Mandal, Himatnagar.
THE H.N.S.B. LTD. SCIENCE COLLEGE,
HIMATNAGAR, DIST. : SABARKANTHA – 383001.

Principal: Dr. P. S.Patel
(M) 94288 52751
Tel.: (02772) 228925

Website: www.hnsbscihmt.org
e-mail: scihmt@yahoo.co.in
Zone Code No. : 93

NAAC Accredited 'B' Grade

Ref. No. ...16...../2025 -2026

Date: 11/ 07 /2025

1. **Submit the finalized IDP to the Knowledge Consortium of Gujarat (KCG), Department of Education, Government of Gujarat,** as part of the institutional compliance and quality enhancement efforts.
2. **Upload the approved IDP on the official institutional website** to ensure transparency and accessibility for stakeholders.

The IDP reflects the college's vision for academic, infrastructural, and administrative development in line with quality benchmarks and NEP 2020 directives.

Your confirmation and approval for the above will be highly appreciated.

Thanking you,

Yours sincerely,



Dr. Pankaj S Patel

Principal
The H.N.S.B Ltd Science College
Himatnagar-383 001.

Dr.Z.M.Gadhawala
IQAC Coordinator
The HNSB.Ltd. Science College
Himatnagar (S.K.) Gujarat



Managed by – Himatnagar Kelavani Mandal, Himatnagar.
THE H.N.S.B. LTD. SCIENCE COLLEGE,
HIMATNAGAR, DIST. : SABARKANTHA – 383001.

Principal: Dr. P. S.Patel
(M) 94288 52751
Tel.: (02772) 228925

Website: www.hnsbscihmt.org
e-mail: scihmt@yahoo.co.in
Zone Code No. : 93



NAAC Accredited 'B' Grade

Ref. No. 16...../2025 -2026

Date: 11/ 07 /2025

Index: Institutional Development Plan (2025–2030)

The HNSB Ltd. Science College, Himatnagar

Sr. No.	Section Title	Page No.
1	Institutional Profile	1
2	Basic Information of the Institute	2
3	UG/PG/Ph.D. Programs Offered	3
4	NAAC Accreditation Details	3
5	Institute Vision and Mission	4
6	Core Objectives of the IDP	4
7	SWOC Analysis	5-6
8	Strategic Development Plan (2025–2030)	6-11
9	Implementation Timeline (2025–2030)	11
10	Key Performance Indicators (KPIs)	12
11	Budget and Resource Mobilization	13-14
12	Monitoring and Evaluation	15
13	Conclusion	16
14	Acknowledgment & Commitment	16-17

The HNSB. Ltd. Science College, Himatnagar

Institutional Development Plan (IDP)

(2025–2030) | Aligned with NEP 2020



Institutional Profile:

The HNSB Science College, Himatnagar, established in **June 1993** by the visionary **Himatnagar Kelvani Mandal**, has emerged as a leading institution for science education in North Gujarat. In its initial five years, the college operated without government grants, showcasing a strong foundation of self-reliance and commitment to academic excellence. The college is **accredited by NAAC with a 'B' Grade (CGPA 2.05) in Cycle-2 (2021)** and has been **awarded a 4-Star rating by the Gujarat State Institutional Rating Framework (GSIRF)**. Today, the institution features a well-developed campus with modern classrooms, fully equipped laboratories, a rich library, a spacious playground, and comprehensive facilities that support undergraduate, postgraduate, and research programs.

The college offers **B.Sc. programs in Chemistry, Botany, Microbiology, and Physics**, along with **M.Sc. programs in Organic Chemistry and Physical Chemistry**. It is widely known for academic excellence, with students consistently achieving top ranks in university examinations. The faculty, many of whom holds **Ph.D. degrees** and are recognized as research guides under **Hemchandracharya North Gujarat University, Patan**, foster a vibrant academic and research environment. The college also ensures industry relevance through internships, expert lectures, industrial visits, and collaborative projects, while faculty members actively participate in **Faculty Development Programs (FDPs)** and national-level seminars to enhance their teaching and research skills.



With a strong placement record and a growing **global alumni network**, the college provides robust career support and mentoring. Students regularly qualify for prestigious national-level competitive exams such as **NET, GATE, and GSET**, reflecting the strength of its academic preparation. Guided by a vision rooted in **holistic development, innovation, and social responsibility**, **The HNSB Science College** is dedicated to producing **capable, ethical, and future-ready graduates** equipped to contribute meaningfully to science and society.

Basic Information of the Institute:

Particulars	Details
Name of the College	The HNSB Ltd. Science College, Himatnagar
Name of the Management	Himatnagar Kelvani Mandal, Himatnagar
Establishment Year	1993
UGC Recognition	2(f), 12(B)
Affiliating University	Hemchandracharya North Gujarat University, Patan
Type of Institution	Government Grant-in-aid
Name of the Principal	Dr. Pankaj S Patel
Contact No:	9428852751
Email	scihmt@yahoo.co.in
IDP Institutional Coordinator	Dr. Z.M. Gadhawala
Coordinator Contact (Phone)	9426575775
Coordinator Email	zmgadhawala@yahoo.co.in
IQAC Coordinator	Dr. Z.M. Gadhawala
IQAC Contact (Phone)	9426575775
IQAC Email	zmgadhawala@yahoo.co.in



UG/PG/Ph.D. Programs Offered

Program Level	Degree	Subjects Offered	Academic Year (If Applicable)
Undergraduate (UG)	B.Sc.	Chemistry, Botany, Microbiology, Physics	Physics added from 2025-2026
Postgraduate (PG)	M.Sc.	Organic Chemistry, Physical Chemistry	--
Doctoral (Ph.D.)	Ph.D.	Chemistry, Botany, Physics	-

NAAC/GSIRF/NIRF Accreditation Details

NAAC Cycle	Grade	CGPA	Year of Accreditation
Cycle 1	B	2.06	2007
Cycle 2	B	2.05	2021, Valid up to 30/3/2026
GSIRF	4 star	3.4	2024-2025
NIRF	Result awaiting	--	---

Institute Mission & Vision



1. Vision Statement

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

2. Mission Statement

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

3. Core Objectives of the IDP

Area	Goal
Curriculum Reform	Implement CBCS, multidisciplinary and skill-based education
Academic Excellence	Enhance teaching-learning through ICT and pedagogy training
Research & Innovation	Develop research culture and collaborations
Faculty Development	Continuous professional up skilling
Infrastructure	Upgrade labs, smart classrooms, and digital libraries
Student Support	Strengthen mentoring, career guidance, and mental health support
Governance	Establish outcome-based and participative governance



SWOC Analysis:

Institutional Strengths

- Governed by a **proactive and visionary management**.
- **Qualified, competent, and experienced faculty**, with over **78% holding Ph.D. degrees**.
- Inclusive campus with **no discrimination based on caste, creed, or religion**.
- Enhanced **employability support** through the **UDISHA program**.
- **Ragging-free and sexual harassment-free** campus environment.
- Strong **liaison with industries and academic institutions**.
- Healthy and **positive relationship among all stakeholders** (management, staff, students, and parents).
- Enriched **learning environment** supported by **add-on courses, internships, project work, fieldwork, and training programs**.

Institutional Weaknesses

- **Limited flexibility** in the design and implementation of academic curriculum.
- **Limited number of modern and interdisciplinary courses**.
- **Insufficient research project grants** from agencies like UGC, DST, etc.
- **Inadequate research laboratories and facilities** for both faculty and students.
- **Lack of smart classrooms** and a **dedicated computer center**.



- **Introduce vocational & value-added courses**

Tailored to enhance employability and holistic development, value-added and vocational courses will be introduced, including:

- *Environmental Sustainability* – fostering ecological literacy and responsible citizenship.
- *Laboratory Techniques (GLP, HPLC, GC)* – developing practical, industry-relevant skills in analytical science.

- **Provide flexible entry/exit options as per NEP**

In adherence to NEP 2020, multiple exit options with appropriate certifications will be made available, enabling academic mobility and catering to diverse learner needs.

- **Embed local knowledge & Indian heritage into courses**

Curricula will be enriched by incorporating regional knowledge systems, local environmental contexts, and Indian knowledge traditions, promoting cultural rootedness and contextual relevance.

B. Teaching–Learning Enhancement

- **Conduct regular FDPs on:**

- *Outcome-Based Education (OBE)* – equipping faculty with skills to design learning outcomes and map them to assessments.
- *Active and experiential learning* – promoting methods such as case-based learning, simulations, and field-based assignments.

- **Integrate ICT tools:**

- *MOOC platforms (SWAYAM, NPTEL)* – courses from premier national platforms to supplement classroom instruction.
- *LMS (Google Classroom/Moodle)* – for managing assignments, resources, and feedback seamlessly.
- *Flipped classroom strategies* – enabling active engagement during contact hours and self-paced learning.

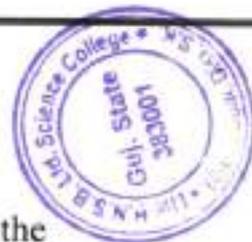


C. Research, Innovation & Entrepreneurship

- **Set up a Research Cell and Innovation & Incubation/Start Up Centre**
An institutional Research Cell will coordinate faculty and student research, while an Innovation & Incubation Centre will support entrepreneurial ideas and start-ups.
- **Subscribe to INFLIBNET, Scopus, Web of Science**
To enhance research output and quality, the college will invest in access to global academic databases and citation tools.
- **Apply for research grants from UGC, DBT, GUJCOST**
Faculty members will be encouraged and guided to apply for competitive research funding, supported by grant-writing workshops.
- **Organize student research symposia**
Annual research forums will be held to showcase undergraduate and postgraduate research, encouraging peer learning and feedback.
- **Promote patent filing and publication by faculty and students**
A structured system for guiding innovation to publication and patent filing will be established, along with incentives for research outcomes.

D. Industry–Academia Interface

- **Sign MoUs with:**
Strategic partnerships will be formed with Pharma, Biotech, IT, and Environmental sectors to ensure relevance, skill alignment, and applied exposure.
- **Offer industry internships and live projects**
Structured internships and real-time industry projects will form an integral part of academic programs, ensuring practical learning and career preparedness.



- **Invite experts for guest lectures, workshops, and mentoring**
Engagement with industry professionals and alumni will enrich the academic environment and provide students with career insights and guidance.

E. Faculty Development

- **Develop an annual training calendar**
A structured FDP calendar will ensure comprehensive capacity-building in emerging pedagogical and research domains.
- **Encourage:**
 - *Enrolment in PhD programs* – through institutional support and time-flexibility.
 - *Research paper writing & patents* – via workshops and dedicated research mentorship cells.
- **Incentivize conference participation and academic bodies' involvement**
Faculty contributions to knowledge forums and professional organizations will be rewarded and encouraged.

F. Infrastructure and Digital Resources

- **Upgrade:**
 - *Science labs with modern equipment* – aligning practical facilities with current research and industry standards.
 - *Smart classrooms with projectors, Smart boards* – for dynamic and interactive learning environments.
- **Create:**
 - *Digital Library with e-journal access* – offering scholarly resources through seamless access to global content.



- **Move toward a green, sustainable campus:**
 - *Rainwater harvesting* – contributing to water conservation and awareness.
 - *Composting units* – promoting zero-waste principles.
 - *Medicinal garden* – integrating biodiversity and environmental education on campus.

G. Student Support & Holistic Development

- **Strengthen:**
 - *Mentorship program* – ensuring each student is guided academically and emotionally.
 - *Career Guidance and Placement Cell* – expanding employer networks and student preparedness.
 - *Counseling Cell* – offering psychological support and well-being services.
- **Encourage participation in:**
 - *Sports, NSS, Yoga, and cultural activities* – promoting all-round development and social engagement.
- **Promote mini-projects, internships, and research participation**
Each student will undertake project-based learning to strengthen analytical and innovation skills.

H. Inclusivity, Equity & Community Engagement

- **Establish:**
 - *Equal Opportunity Cell* – to ensure a fair, inclusive academic environment.
 - *Bridge/remedial courses for underperforming students* – enabling academic support and retention.



- **Conduct community outreach in partnership with NGOs**
Civic responsibility will be cultivated through outreach in rural, tribal, and under-resourced communities.

I. Preparation for Competitive Exams

- **Start a Coaching and Mentoring Cell for:**
 - *CSIR-NET, GATE* – subject-specific coaching and mock tests.
 - *UPSC/GPSC, Banking, Railway, SSC* – dedicated mentoring, current affairs, and test-prep resources.
- ### J. Internationalization (Vision 2028–30)

- **Plan for:**
 - *Student and faculty exchange programs* – with academic partners globally.
 - *International webinars* – co-hosted with foreign institutions to enhance cross-cultural academic dialogue.

Implementation Timeline (2025–2030)

Year	Key Focus Areas
2025–2026	Full CBCS rollout, interdisciplinary/value-added courses, smart classroom expansion, NAAC SSR strengthening
2026–2027	Regular FDPs, vocational courses in instrumentation/GLP/GC, Research Cell expansion, mini research projects
2027–2028	Major lab & library upgrades, green campus projects, alumni engagement
2028–2029	Institutionalize MoUs and industry linkage, launch solar/waste sustainability projects, exchange program planning
2029–2030	Comprehensive IDP outcome review, best practices documentation, roadmap for NEP 2035, NAAC preparation



Key Performance Indicators (KPIs)

Parameter	Target
Research papers published	30% increase by 2028
Student placements in UG&PG	30-50% by 2030
Faculty FDP participation	100% by 2026
Industry MoUs	At least 10 active MoUs by 2028
Infrastructure utilization	>80% lab utilization by 2028
NAAC Grade	Target: A Grade by 2026-2027

Budget and Resource Mobilization

Effective budget planning and resource mobilization are essential components for the sustainable development of any academic institution. **The HNSB Ltd. Science College, Himatnagar** utilizes multiple funding sources to enhance infrastructure, support student development, and ensure academic excellence. The institution strategically aligns its financial resources with its development goals.



Integrated Budget & Resource Mobilization Plan (2025–2030) under IDP

Category	Key Activities / Purpose	Funding Source(s)	NEP 2020 Focus Area	Timeline
1. Infrastructure Augmentation	Research Labs	UGC, KCG, Management, Govt. Schemes (e.g., RUSA)	Multidisciplinary Learning, Holistic Education, ICT, Sustainability	Long-Term
	Smart Class rooms, Library Modernization, Sports Facilities, Green Campus Development, Renewable Energy Installations	Management, Donations	Student Experience & Well-being	Short-Term
2. Research & Innovation	Minor & Major Research Projects, Faculty Publications, Books, Start-Up/Incubation Support, Innovation Hub, Patents	UGC, Management, Institutional Consultancy, Industry	Research Ecosystem, Start-up Culture, Industry Linkages	Short Term
	Organizing National/State-Level Conferences, Student Research Projects	Management, Alumni	Research Exposure, Interdisciplinary Thinking	Short-Term
3. Student Support & Career Development	Scholarships (Merit & Need-Based), Internship Programs, Competitive Exam Seminars, Career Fairs	Alumni, K.V. Patel Fund, UGC, Govt. Schemes	Equity, Employability, Skill Development	Short-Term
	MoUs for Industrial Visits & Training, Finishing School Programs	Management, Industry Partners	Industry Exposure, Career Readiness	Short-Term



Monitoring and Evaluation

- **Internal Oversight:** IQAC will track implementation via KPIs and submit annual Institutional Performance Reports.
- **External Mid-Term Review:** Scheduled for 2027, involving external experts and stakeholders.
- **NAAC Preparation:** Best practices and SSR submission will be continuously updated in line with IDP progress.

NEP 2020 Focus Achieved Through This Plan:

- Multidisciplinary & Skill-based Learning → Labs, Smart Boards, Library Resources, Field Trips
- Digital & Tech Integration → ICT, LMS, Library & Admin Automation, Smart Classrooms
- Sustainability & Environmental Education → Green Campus, Energy Audits
- Physical Wellness & Holistic Growth → Sports Facilities, Hostel, Open Theater
- Equity & Access → Scholarships, Inclusive Library, Digital Access
- Research & Innovation Ecosystem → Projects, Publications, Incubation
- Global & National Exposure → Conferences, Publications, Workshops



Conclusion

The Strategic Development Plan (2025–2030) is a transformative roadmap aligned with NEP 2020.

It focuses on academic excellence, research, infrastructure, and societal engagement.

The shift to outcome-based and experiential learning enhances student-centered education.

CBCS implementation across all UG programs promotes flexibility and autonomy.

Vocational and value-added courses address industry and societal needs.

Faculty development is prioritized through training and integration of ICT tools.

Blended and flipped learning models enhance digital teaching capabilities.

Research and innovation are fostered via a Research Cell and Incubation Centre.

Student-led projects, internships, and symposia build a strong innovation culture.

Industry-academia collaborations and alumni engagement enrich learning.

Inclusive programs support student wellness, mentorship, and empowerment.

Green, smart infrastructure promotes sustainability and digital transformation.

Scholarships and digital access ensure equity and inclusion.

Global partnerships aim to internationalize academics and research.

The plan is actionable, monitored by IQAC, and driven by a shared institutional vision.

Acknowledgment and Commitment

This **Institutional Development Plan (IDP) 2025–2030** of *The HNSB Ltd. Science College, Himatnagar* represents a unified commitment to achieving academic excellence, promoting research and innovation, fostering inclusive



growth, and transforming our institution into a learner-centric, future-ready, and globally competitive center of higher education.

We, the undersigned, affirm our full support and dedication to the vision, strategies, and goals outlined in this plan. We pledge to implement the IDP with transparency, accountability, and continuous quality improvement, in alignment with the **National Education Policy (NEP) 2020**. This plan shall serve as a living document, to be reviewed periodically by the **Internal Quality Assurance Cell (IQAC)** and refined in accordance with institutional progress, stakeholder feedback, and emerging challenges in the higher education landscape.

Principal
The H.N.S.B. Ltd Science College
Himatnagar-383 001.

IQAC Coordinator
The H.N.S.B. Ltd. Science College
Himatnagar (S.K.) Gujarat

