



The HNSB. Ltd, Science College, Himatnagar

NAAC Accredited B Grade, GSIRF : 4 Star Rank, ISO: 9001:2015,21001:2018

One Day FDP : NEP Aligned Curriculum Designed

Organized By: IQAC

Speaker : Dr.N.I.Patel, Dr.J.S.Patel, Dr.M.N.Parmar

Date:8/11/2025 Seminar Hall Time:10.00AM to 11.00 AM

Coordinator : Dr.Z.M.Gadhawala,

Principal: Dr.P.S.Patel

Co-ordinator
IQAC
The HNSB. Ltd. Science College
Himatnagar-383001

Principal
The HNSB. Ltd. Science College
Himatnagar-383001

Organized By : IQAC, The HNSB.Ltd.Science College



Report on One Day FDP

NEP Aligned Curriculum Design

Organized By: IQAC

The HNSB. Ltd. Science College, Himatnagar

NAAC Accredited: B Grade

GSIRF Rank: ★★★★★ (4 Star)

ISO Certifications: 9001:2015 & 21001:2018

Coordinator: Dr. Z. M. Gadhawala

Chairperson: Dr. P. S. Patel

Speakers: Dr. N. I. Patel, Dr. J. S. Patel & Dr. M. N. Parmar

Venue: Seminar Hall

Date: 08/11/2025

Time: 10:00 AM to 11:00 AM

Total Participants Present: 18

1. Introduction

The Internal Quality Assurance Cell (IQAC) conducted a One Day Faculty Development Programme (FDP) on "NEP Aligned Curriculum Design" with the aim of equipping faculty members for effective implementation of NEP 2020 in curriculum restructuring.

The FDP focused on NEP-based reforms such as curriculum flexibility, multidisciplinary approach, skill-oriented learning, internship integration, honours programmes, research components, and credit distribution under the Four-Year Undergraduate Programme (FYUGP).

2. Objectives of the FDP

Co-ordinator
IQAC

The HNSB. Ltd. Science College
Himatnagar-383001

Principal

The HNSB. Ltd. Science College
Himatnagar-383001



1. To familiarize faculty members with core principles of NEP 2020 and academic reforms.
2. To guide the redesigning of curriculum into a *multidisciplinary, flexible, skill-integrated* structure.
3. To explain credit allocation, course planning, and learning outcomes in alignment with NAAC & NEP frameworks.
4. To develop clarity on internship components, honours degree structure, and research pathways.
5. To enhance faculty capacity for implementing innovative pedagogy, assessments, and research-enabled teaching.

3. Key Discussions during the FDP

3.1 NEP-Based Curriculum Structure

- Importance of flexibility, credit mobility, and multiple entry–exit options.
- Alignment of Program Outcomes (POs), PSOs, and COs with Bloom’s Taxonomy.
- Emphasis on interdisciplinary and skill-based courses.

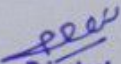
3.2 Internship Component: 120 Hours – 4 Credits

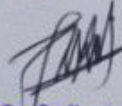
The speakers elaborated on internship integration as a mandatory NEP requirement:

- Internship must be **120 hours**, carrying **4 academic credits**.
- Can be completed in *industry, research labs, community organizations, NGOs, or field-based institutions*.
- Should be aligned with discipline-specific skills and employability enhancement.
- Departments must create **MoUs, Internship Diaries, Evaluation Rubrics, and Mentor Reports**.
- Internships should be considered part of experiential learning and continuous evaluation.

3.3 B.Sc. Honours & Honours with Research

Detailed discussion was held on the two pathways under the Four-Year UG Programme:


Principal
The HNSB, Ltd. Science College
Himatnagar-383 001


Co-Ordinator
IGAC
The HNSB, Ltd. Science College
Himatnagar-383001

B.Sc. Honours (4 Years, 160 Credits)

- Students complete major, minor, and skill enhancement courses.
- Includes internships, capstone projects, and multidisciplinary electives.
- Suitable for students seeking professional, competitive exam, or industry careers.



B.Sc. Honours with Research (4 Years, 176 Credits)

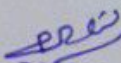
- Designed for students aspiring for research, higher education, or Ph.D.
- Includes **1-year research component**, dissertation, and advanced research methodology.
- Encourages participation in publications, seminars, conferences, and lab-based projects.
- Students must meet academic performance criteria (CGPA threshold) to enter this track.

3.4 Practical Approach to Implementation

- Creation of **Curriculum Matrices, Credit Mapping, Evaluation Frameworks, and Course Level COs.**
- Adoption of Activity-Based Learning, Problem-Based Learning, and Project-Based Assessments.
- Departmental committees must start drafting NEP-aligned syllabi for the next academic year.

4. Outcomes of the FDP

1. Faculty members gained clarity on the NEP-based structure of FYUGP, credit distribution, and learning outcomes.
2. Teachers understood the detailed framework for **mandatory 120-hour, 4-credit Internship** and its evaluation methods.
3. Enhanced understanding of the difference between **B.Sc. Honours** and **B.Sc. Honours with Research**, including credit design and academic expectations.
4. Departments became prepared to initiate NEP-aligned curriculum restructuring, including CO-PO mapping and curriculum matrices.


Principal

The HNSB, Ltd. Science College
Himmatnagar-383001


Co-Ordinator
IQAC

The HNSB, Ltd. Science College
Himmatnagar-383001



5. Faculty members developed confidence to design interdisciplinary, skill-based, and experiential curriculum components.
6. Improved readiness to adopt student-centric pedagogy, academic flexibility, and continuous assessment patterns.
7. Strengthened institutional preparedness for NAAC, GSIRF, and ISO-based quality parameters.

5. Conclusion

The FDP on "*NEP Aligned Curriculum Design*" successfully empowered faculty members with essential knowledge and hands-on guidance for implementing NEP 2020 in undergraduate curriculum design.

The detailed discussions on **Internship (120 Hours – 4 Credits)** and **B.Sc. Honours & Honours with Research** provided deeper clarity and direction to all departments. The FDP contributed significantly to improving curriculum planning, academic quality, and institutional readiness for the upcoming NEP-based academic session.

Co-Ordinator
IQAC
The HNSB, Ltd. Science College
Himmatnagar-383001

Principal
The HNSB, Ltd. Science College
Himmatnagar-383001

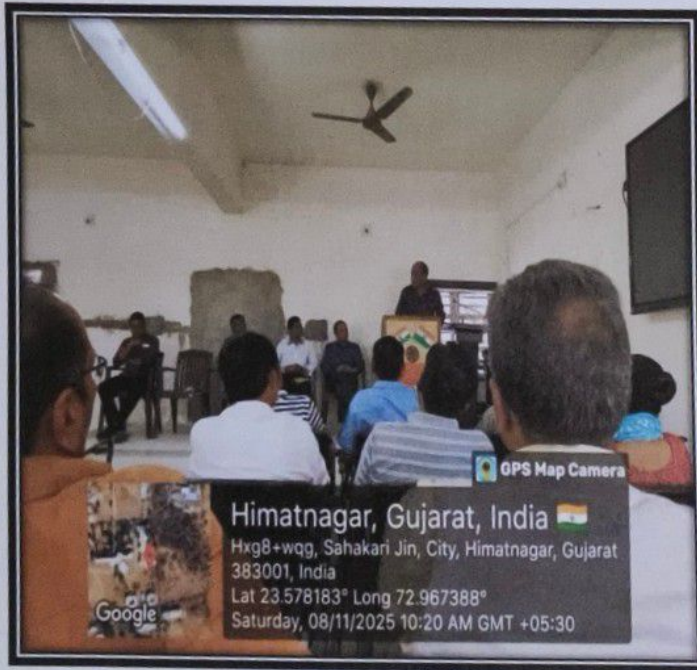
The HNSB. LTD. SCIENCE COLLEGE HIMATNAGAR

One Day FDP on NEP ALIGNED CURRICULUM DESIGN NC



The HNSB. LTD. SCIENCE COLLEGE HIMATNAGAR

One Day FDP on NEP ALIGNED CURRICULUM DESIGN




Co-Ordinator
IQAC
The HNSB. Ltd. Science College
Himatnagar-383001




Principal
The HNSB. Ltd. Science College
Himatnagar-383001