

**INSTITUTIONAL DEVELOPMENT PLAN  
(IDP)**

**2025–2030**

**Neotech Institute of Technology (NIT - 117)**

Neotech Campus, Vadodara

At-Virod, Harni–Virod Road,

Vadodara, Gujarat – 390022

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## **1. Executive Summary**

Neotech Institute of Technology (NIT - 117), Vadodara, is an AICTE-approved institution affiliated with Gujarat Technological University (GTU), offering undergraduate engineering education with a strong focus on academic excellence, professional ethics, and industry relevance. The institute aims to develop competent engineers equipped with technical knowledge, problem-solving ability, innovation skills, and social responsibility.

NIT provides a learner-centric academic environment supported by qualified faculty, modern laboratories, digital learning infrastructure, and an active Training and Placement Cell. The institute emphasizes outcome-based education, project-based learning, internships, and industry interaction to enhance employability and career readiness. Guided by national priorities such as NEP 2020, sustainability, and digital transformation, NIT is committed to continuous improvement, research culture, and holistic student development.

## **2. Institutional Profile**

Neotech Institute of Technology (NIT - 117), Vadodara, is a premier engineering institute dedicated to nurturing technically sound, ethically responsible, and industry-ready graduates. Established with the vision of contributing to regional and national technological development, the institute blends strong academic foundations with practical exposure and innovation-driven learning.

Affiliated with Gujarat Technological University (GTU) and approved by the All-India Council for Technical Education (AICTE), New Delhi, NIT adheres to rigorous academic and administrative standards. The institute offers undergraduate engineering programs designed to integrate theory, laboratory practice, projects, and real-world applications. Emphasis is placed on emerging technologies, interdisciplinary learning, and continuous skill upgradation.

Beyond academics, NIT promotes research orientation, professional development, leadership skills, and community engagement. Through structured mentoring, industry collaboration, and extracurricular activities, the institute prepares students for successful careers, higher studies, entrepreneurship, and responsible citizenship.

**Undergraduate Programmes Offered (GTU):**

- Bachelor of Engineering – Civil Engineering – 60 seats
- Bachelor of Engineering – Mechanical Engineering – 150 seats
- Bachelor of Engineering – Electrical Engineering – 30 seats
- Bachelor of Engineering – Computer Engineering – 120 seats

**3. SWOC Analysis**

**Strengths:**

Experienced and qualified faculty as per AICTE–GTU norms, well-equipped laboratories and workshops, ICT-enabled classrooms, active Training & Placement Cell, industry interactions, research-oriented initiatives, and functional student support systems including IIC, NSS, and professional societies.

**Weaknesses:**

Need for enhanced research funding, limited exposure of some students to advanced communication and global competencies, and gradual development of high-impact publications.

**Opportunities:**

Industry-sponsored projects, interdisciplinary research, startup and innovation ecosystem, alumni collaboration, consultancy services, international academic partnerships, and alignment with NEP 2020 and Atmanirbhar Bharat initiatives.

**Challenges:**

Rapid technological changes, competition from well-established institutions, resource constraints for advanced research, and continuous adaptation to evolving regulatory frameworks.

**4. Vision and Mission****Vision**

To be a leading engineering institute that produces competent, innovative, and ethical engineers capable of addressing technological challenges and contributing to sustainable societal development.

**Mission**

- Deliver quality outcome-based engineering education.
- Promote industry interaction, research, and innovation.
- Develop professional skills, ethics, and lifelong learning attitudes.
- Encourage entrepreneurship, sustainability, and social responsibility.

**5. Core Values**

Academic excellence, integrity and ethical governance, innovation and research culture, industry relevance, inclusiveness and diversity, sustainability, collaboration, and community engagement.

**6. Strategic Goals and Objectives**

- **Short Term:** Strengthen academic delivery, governance systems, infrastructure, and student support services.
- **Mid Term:** Enhance research output, industry collaboration, internships, and digital learning initiatives.
- **Long Term:** Establish a strong innovation and research ecosystem, global academic exposure, and sustainable institutional growth aligned with NEP 2020.

## **7. Key Focus Areas**

Neotech Institute of Technology focuses on quality teaching-learning through outcome-based education, project-based learning, and industry-aligned curriculum implementation. The institute promotes applied research, innovation, startups, and entrepreneurship through IIC and collaborative projects. Continuous faculty development, modern infrastructure, digital transformation, green campus initiatives, integration of Indian Knowledge Systems, and strong student mentoring systems ensure holistic engineering education and enhanced employability.

## **8. Action Plan / Implementation Strategy**

- Regular academic and administrative review through IQAC mechanisms.
- Strengthening communication, professional, and leadership skills of students.
- Expanding MoUs with industries for internships, projects, training, and placements.
- Encouraging faculty and students to undertake funded research and consultancy.
- Organizing conferences, workshops, hackathons, and national-level technical events.

## **9. Monitoring, Evaluation, and Risk Management**

Academic processes are monitored through structured lesson plans, continuous internal evaluation, and outcome attainment analysis. Research and industry activities are reviewed periodically. Risk mitigation includes digital infrastructure for academic continuity, safety and security measures, financial planning, and compliance with statutory norms.

Risk management is strengthened through digital readiness, safety and security measures, and the effective functioning of statutory committees such as the Anti-Ragging Committee, SC/ST Cell, Women Development Cell (WDC), and Grievance Redressal Committee to ensure a safe, inclusive, and responsive campus environment.

## **10. Budget and Financial Plan**

The management of Neotech Institute of Technology ensures planned and transparent financial management to support academic excellence, research activities, infrastructure development, faculty development, and student welfare. Funds are allocated prudently with provisions for future growth and sustainability.

## **11. Implementation Timeline (2025–2030)**

The IDP will be executed in phases over five years. Initiatives planned for 2025–26 focus on academic strengthening, 2026–28 emphasize research and industry collaboration, and 2028–30 aim at consolidation, innovation leadership, and global exposure, with continuous monitoring by IQAC and management.

## **12. Stakeholder Involvement**

The IDP has been formulated with inputs from faculty members, students, alumni, industry representatives, and management. Ongoing stakeholder engagement and feedback will ensure effective implementation, relevance, and continuous improvement.

Stakeholder participation is further strengthened through statutory committees including Anti-Ragging, SC/ST Cell, Women Development Cell, and Grievance Redressal Committee, ensuring transparency, equity, student welfare, and participative governance.

## **13. Expected Outcomes (2025–2030)**

Successful implementation of the IDP will result in improved academic quality, enhanced student employability, stronger research and innovation culture, increased industry collaboration, effective digital transformation, sustainable campus development, and overall institutional excellence aligned with NEP 2020.