

**Northern Technical University
Technical Institute of Nimrod
Department of Therapeutic Nutrition Techniques**

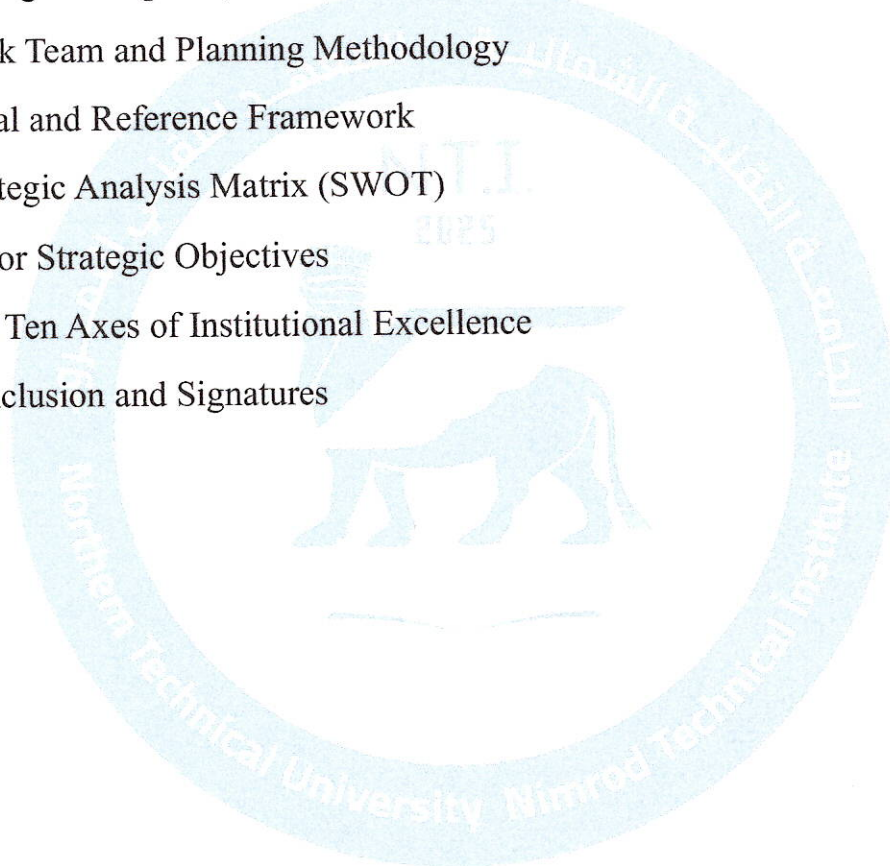
**Therapeutic Nutrition Techniques
Strategic Plan for the Academic Year
2026–2027**



Plan Logo: "We nourish minds with knowledge... to build a sustainable healthy future"

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1. Word from the Head of Department

In the name of Allah, the Most Gracious, the Most Merciful, and peace and blessings be upon the noblest of messengers.

In an era where public health and clinical nutrition variables are accelerating, technical education is no longer merely the transfer of knowledge; it has become an "incubator for innovation" and a "strategic partner" in building societies. The Department of Therapeutic Nutrition Technologies at Al-Namrud Technical Institute is a vital nucleus for preparing a new generation of middle-level cadres who combine a deep understanding of nutritional sciences, clinical skill, and digital awareness.

This strategic plan for the academic year (2026) is not merely a procedural document; it is a "social contract" in which we commit to transforming the department into a center of scientific and societal radiation. In drafting it, we adopted a flexible methodology that integrates academic authenticity with the requirements of the digital revolution, and places the "student" and the "patient/society" at the heart of our concerns.

I extend my highest gratitude to the Presidency of the Northern Technical University, the Dean of the Institute, and my colleagues in the department for their sincere efforts. We ask the Almighty to make our work purely for His sake, and beneficial to our beloved Iraq.



Head of Department:

Dr. Mohammed Azeez Mohammed

2. Strategic Compass (Vision, Mission, Values)

Vision

"To be the leading technical nutrition department regionally in Iraq, and an attractive environment for innovation, through which we empower middle-level cadres capable of leading the transformation in public health, achieving food security, and integrating modern technologies into therapeutic nutrition by 2030."

Mission

"Preparing distinguished therapeutic and nutritional technical cadres who combine clinical competence and applied skill, through a smart educational environment, applied scientific research, and effective community partnerships that contribute to raising health awareness, combating chronic diseases, and supporting the healthcare system in Iraq."

Core Values

- Clinical Excellence: Accuracy and ethics in dealing with nutritional cases.
- Digital Innovation: Employing artificial intelligence and modern technologies in nutrition.
- Community Impact: Serving the local community and spreading preventive culture.
- Sustainability: Adopting dietary and environmentally friendly practices.
- Transparency and Accountability: In academic and administrative performance.

3. Work Team and Planning Methodology

Preparation Team: (The table approved by the Deanship is to be inserted).

Approved Planning Methodology: In this plan, we adopted the "Agile Planning" methodology, which allows for annual review of objectives to keep pace with changes, based on:

1. Gap Analysis between learning outcomes and labor market requirements.
2. The "Design Thinking" methodology to innovate solutions for local health challenges.
3. Benchmarking with the best technical colleges regionally.

4. Legal and Reference Framework

- Law No. (40) of 1988 (Law of the Ministry of Higher Education and Scientific Research).
- Standards of the National Council for Academic Accreditation and Quality Assurance of Technical Education.
- The National Learning Outcomes Guide (NLOs) and the National Qualifications Framework.
- The Strategic Plan of the Northern Technical University (2025-2029).
- Standards of the Total Quality Management System (ISO 9001:2015).

5. Strategic Analysis Matrix (SWOT)

(Summarized in a four-part strategic model)

Strengths (to be invested in) | Weaknesses (to be addressed)

1. A vital specialty in high demand in the health sector.
2. Academic and professional teaching staff.
3. Institutional support from the Northern Technical University. | 1. A gap in laboratories.
4. Limited partnerships with teaching hospitals.
5. Weak interactive digital content.

Opportunities (to be seized) | Threats (to be mitigated)

1. Rising rates of chronic diseases (diabetes, obesity).
2. Government orientation toward health digitization.
3. Absence of community technical nutritional clinics. | 1. Competition from private and governmental universities.
4. Rapid changes in food legislation.
5. Challenges of unemployment and shrinking central appointments.

Chosen Strategy: The (SO) Offensive-Developmental Strategy: Using academic strength to seize the opportunities of chronic diseases through establishing a "Smart Nutritional Clinic" and "Clinical Simulation Laboratories."

6. Major Strategic Objectives (2026)

Academic Excellence: Updating curricula to align with global (ACEND) standards, and introducing digital tracks.

1. Applied Innovation: Establishing a smart nutritional clinic and clinical simulation laboratories.
2. Community Partnership: Launching national nutritional awareness initiatives serving 10,000 citizens annually.
3. Entrepreneurship: Empowering graduates to establish their own projects (clinics, healthy food production lines).

7. The Ten Axes of Institutional Excellence

Axis One: Flexible and Future-Oriented Curricula

- Re-engineering courses: Linking courses to national learning outcomes, and introducing the concepts of (Precision Nutrition).
- Innovative courses: Adding units in (Digital Nutrition, Artificial Intelligence in Diet, Nutritional Entrepreneurship).
- Advisory Committee: Forming an advisory council of physicians, nutritionists, and graduates to review curricula annually.

Axis Two: Institutional Excellence and Digital Transformation

- Blended Learning: Adopting the model (70% in-person, 30% interactive electronic).
- Digital Packages: Converting 100% of courses into interactive digital packages (Micro-learning).
- Smart Assessment: Using digital question banks and standardized assessment models (Rubrics).

Axis Three: Empowering Staff and Building Leadership

- "Teacher of the Future" Program: Mandatory courses in modern educational technologies and artificial intelligence.
- Field Visits: Sending teaching staff on short scientific visits to advanced nutrition centers.

- Innovation Incentives: Rewarding teaching staff who develop educational tools or patents.

Axis Four: Community Partnership and Health Impact

- The Smart Nutritional Clinic: Establishing a clinic inside the institute equipped with body composition measurement devices (InBody) and diet applications, managed by students under the supervision of professors.
- "Your Health Is in Your Awareness" Initiative: Awareness caravans for schools and remote areas in Nineveh.
- Strategic Partnerships: Signing memoranda of understanding with (the Health Directorate, teaching medical hospitals, the Syndicate of Physicians/Pharmacists).

Axis Five: Smart and Sustainable Infrastructure

- Clinical Simulation Laboratories: Equipping laboratories that simulate hospital nutrition departments (Dietary Kitchen Labs).
- Smart Halls: Converting 50% of halls into interactive halls (Smart Classrooms).
- Digital Library: Subscribing to global databases (such as ScienceDirect, PubMed) and providing interactive screens.

Axis Six: Applied Scientific Research and Innovation

- Nutrition Research Incubator (NutriTech): Supporting graduation projects that turn into nutritional products or applications.
- Scientific Journal: Issuing the "Scientific Bulletin of the Nutrition Department" to publish local applied research.
- Annual Conference: Holding the "First Technical Conference for Nutrition and Public Health" at the institute.

Axis Seven: Graduate Pathway and Labor Market (New and Developed)

- Graduate Observatory: Establishing a digital database to follow up on graduates and their employment.
- "Market Readiness" Program: Workshops to prepare CVs, interview skills, and professional ethics.
- Cooperative Training: Obliging students to a summer training program (150 hours) in hospitals and food companies.

Axis Eight: Executive Timeline (Gantt Chart Concept)

• **First Quarter (Q1): January - March 2026**

- "Launch and Foundation Phase"
- Curricula Update: Comprehensive review of course content and linking it to National Learning Outcomes (NLOs).
- Formation of Committees: Launching the Advisory Committee for stakeholders (physicians, nutritionists, graduates).
- Launching the Graduate Observatory: Creating a digital database for the first batch of graduates.
- Signing Preliminary Agreements: Signing 3 memoranda of understanding with local hospitals and health centers.
- Preparing Digital Packages: Beginning the conversion of 30% of courses into interactive digital packages.

Target Indicators:

- ❖ 100% of courses updated and linked to learning outcomes.
- ❖ 3 cooperation agreements signed.
- ❖ A database of at least 50 graduates.

Second Quarter (Q2): April - June 2026

- "Construction and Equipment Phase"
- Opening the Smart Nutritional Clinic: Equipping the clinic with body composition measurement devices and diet applications, and beginning to receive trial cases.
- Equipping Simulation Laboratories: Preparing a clinical simulation laboratory (Dietary Kitchen Lab) for student training.
- Launching the Research Incubator (Nutri Tech): Opening applications for innovative applied graduation projects.
- Intensive Staff Training: Conducting 4 training courses for teaching staff in (E-learning, Learning Outcomes, Artificial Intelligence).
- Community Awareness Campaign: Launching the "Your Health Is in Your Awareness" initiative in 5 local schools.

Target Indicators:

- ❖ A nutritional clinic ready to receive 50 cases monthly.

- ❖ A simulation laboratory equipped at 80%.
- ❖ Training 80% of teaching staff.
- ❖ Implementing an awareness campaign benefiting 500 students.

Third Quarter (Q3): July - September 2026

- "Expansion and Partnerships Phase"
- Expanding Community Partnerships: Signing 5 new agreements with (the Health Directorate, the Syndicate of Physicians, healthy food companies).
- Student Summer Training: Obligating students to a field training program (150 hours) in hospitals and health centers.
- Publishing Applied Research: Supporting the publication of 5 scientific research papers in local and peer-reviewed journals.
- Partial Digital Transformation: Uploading 60% of courses to the e-learning platform.
- Organizing a National Workshop: Holding a workshop on "Precision Nutrition and Artificial Intelligence" with the participation of experts.

Target Indicators:

- ❖ 5 new partnerships signed.
- ❖ 100% of students completed summer training.
- ❖ Publishing 5 scientific research papers.
- ❖ 60% of digital content available on the platform.

Fourth Quarter (Q4): October - December 2026

- "Evaluation and Sustainability Phase"
- Comprehensive Evaluation: Conducting a comprehensive internal evaluation of the department's performance according to performance indicators (KPIs).
- Preparing the Academic Accreditation File: Beginning to prepare the documents required for programmatic accreditation.
- Achieving Financial Sustainability for the Clinic: Developing a business model to ensure the financial sustainability of the nutritional clinic.
- Mini Scientific Conference: Organizing the "First Therapeutic Nutrition Forum" to showcase student projects and research.
- Preparing the Next Year's Plan (2027): Based on the evaluation results, a

development plan for the second year is prepared.

Target Indicators:

- ❖ Completing the internal evaluation at 100%.
- ❖ 70% readiness for the academic accreditation file.
- ❖ Achieving 30% financial coverage for the clinic through consultations.
- ❖ Participation of 200 people in the scientific forum.

Axis Nine: Key Performance Indicators (KPIs)

- Academically: 100% of courses linked to learning outcomes, 80% student satisfaction with teaching.
- Practically: Examining 2,000 medical cases annually in the nutritional clinic.
- Research-wise: Publishing 15 scientific research papers in peer-reviewed international journals annually.
- Employment-wise: 70% of graduates obtain job opportunities or open their own projects within 6 months.

Axis Ten: Risk Management and Institutional Flexibility

- Financial Risks: Diversifying income sources (through the nutritional clinic, consultations, community courses).
- Technical Risks: Having contingency plans (Disaster Recovery) for digital platforms.
- Market Risks: Continuous updating of required skills to avoid graduate unemployment.

7. Conclusion and Signatures

The success of this plan is not measured by what we write on paper, but by the impact we leave on our students and our community. We are confident that the integration between the leadership's vision, the staff's diligence, and the students' ambition will transform this institute into a beacon for therapeutic nutrition in Iraq.

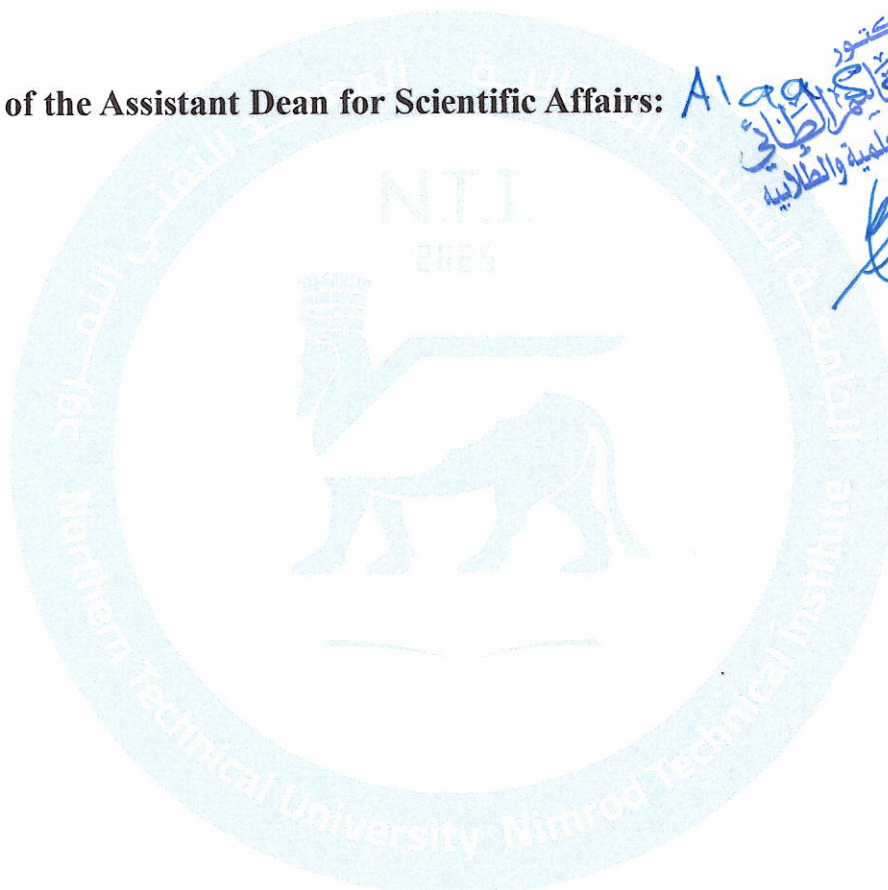
Official Signatures:

Strategic Plan Committee

No.	Name	Remarks	Signature
1	Dr. Mohammed Aziz Mohammed	Chairperson	
2	Lect. Alaa AbdQader Yaseen	Member	
3	Lect. Warqaa Mahmoud Saleh	Member	

Signature of the Assistant Dean for Scientific Affairs:

الدكتور
علاء سفيان
مساعد
العميد للشؤون العلمية والطلابية
Kassim



Signature
The Honorable Dean

الدكتور
عبد الجيد محمد حمودي
معاون العميد للشؤون الإدارية والمالية