



**NED University of Engineering and Technology**  
**Department of Biomedical Engineering**  
**Strategic Plan (2024-2025)**

The purpose of this strategy plan is to outline a five-year plan for the development and advancement of the department. Our institutional strengths serve as its foundation upon which 12 strategic pillars are constructed to shape our strategy.

<b>Strategic Pillar 1: Academic Excellence</b>	
1.1	Number of programmes
1.2	Number of course updates
1.3	Student satisfaction (%)
1.4	Alumni satisfaction (%)
1.5	Employer satisfaction (%)
1.6	Rate of admissions
1.7	Active collaborations with International institutions
1.8	Active collaborations with Industries
1.9	Proportion of postgraduate (Masters and PhD) students
1.10	Proportion of Thesis-based Masters
1.11	Proportion of Postgraduate thesis to JCR (Q1/Q2) publications conversion rate
1.12	New programmes offered in hybrid/online mode
1.13	Number of International Students enrolled
1.14	Proportion of international PhD students
1.15	Proportion of external to internal PhD students
<b>Strategic Pillar 2: Faculty Development</b>	
2.1	Proportion of PhD Faculty
2.2	Proportion of Faculty with the terminal degree from abroad
2.3	Proportion of faculty members with international professional teaching certifications
2.4	Faculty satisfaction ratings ( QEC )
2.5	Proportion of faculty members with active externally funded research projects
2.6	Total amount of externally funded active research by faculty members
2.7	Average Research Funding per faculty member
2.8	Yearly papers published in JCR indexed (Q1/Q2) category journals
2.9	Average JCR indexed (Q1/Q2) category publications per faculty member
2.10	Total Approved Patents
2.11	Average Approved Patents per faculty member
2.12	Proportion of Approved PhD supervisors
<b>Strategic Pillar 3: Student Success</b>	
3.1	Student retention rate at the start of 2nd semester
3.2	Graduation rate within time (Undergraduate students)
3.3	Graduate engagement/employment rate within 6 months of graduation (Undergraduate)
3.4	Number of entrepreneurial alumni (last 4 batches)
3.5	Awards won by students in national/international innovation competitions
<b>Strategic Pillar 4: Infrastructure and Facilities</b>	
4.1	Number of new facilities developed
4.2	Laboratories upgrades

4.3 Computer Centres upgrades
4.5 HSE compliant buildings.
4.6 Classrooms equipped with modern tools and technologies
<b>Strategic Pillar 5: Professional Development</b>
5.1 Number of trainings arranged by NED Academy (NED Academy)
5.2 Number of trainings arranged by the department or its centers
5.4 Number of participants attending trainings of departments or its centers
5.5 Number of senior executive level trainings
5.6 Number of online/blended trainings
5.7 Proportion of International participations
<b>Strategic Pillar 6: Industry Collaboration</b>
6.1 Number of active industry partnerships
6.2 Number of faculty members engaged in faculty placement programmes
6.3 Number of industries engaged in Cooperative Education Programme
6.4 Placement rate of graduates (Undergraduate)
<b>Strategic Pillar 7: Internationalisation</b>
7.1 Number of international partnerships and agreements
7.2 Number of international conferences, seminars, webinars, and lectures
7.3 Proportion of faculty involved in international mobility
7.4 Proportion of students involved in international exchange programmes
<b>Strategic Pillar 8: Alumni Engagement</b>
8.1 Number of University activities with alumni engagement (UAFA)
8.2 Alumni satisfaction with their engagement experiences (UAFA)
<b>Strategic Pillar 9: Service to Community</b>
9.1 Number of beneficiaries from University community service programmes
9.2 Number of active international technical/professional bodies on campus
9.3 Number of co- and extra-curricular events held
9.4 Number of university activities with philanthropic engagement
<b>Strategic Pillar 10: Research and Innovation</b>
10.1 Amount of active research funding (PKR in million).
10.2 Number of active research partnerships
10.3 Number of successfully commercialized projects
10.4 Proportion of Q1/Q2 journal publications to overall publications
10.5 Number of research staff
<b>Strategic Pillar 11: Digitalisation</b>
11.1 Proportion of programmes offered in digital/hybrid mode
11.2 Number of participants in digital offerings
11.3 Proportion of revenue generated via digital offerings
11.4 Number of nationalities engaged in active online offerings
<b>Strategic Pillar 12: Sustainability</b>
12.1 Faculty to staff ratio
12.2 Faculty to student ratio (Undergraduate)
12.3 Self-generated income (PKR)
12.4 Proportion of student fee against total cost per student (Directorate of Finance)
12.5 Percentage of electricity consumption shifted to solar energy (DWS)

12.6	Volume of endowment fund (Directorate of Finance)
12.7	Volume of pension fund (Directorate of Finance)
12.8	Amount of scholarships for students (CSA)
12.9	Number of students availing scholarships (CSA)
12.10	SDG mapping (QEC)
12.11	Percentage of waste processed/recycled (DWS)
12.12	Percentage of wastewater treated for recycling (DWS)
12.13	Percentage of CO2 footprint mitigated through interventions (DWS)
12.14	Number of new plantations (DWS)

