TORAIGHYROV UNIVERSITY

QUALITY OBJECTIVES
Department of «Mechanical Engineering and Standardization» for the 2026–2027 academic year

Content of the objective	Criteria for achieving the objective
Improving the effectiveness of department management based on a process approach, allocation of responsibilities, observance of labour discipline and development of the professional competencies of the teaching staff.	1. Implementation of the activities in the approved department work plan and of the faculty activities and University Development Plan 2025–2029 activities assigned to the department – 100%. 2. Participation of every staff member in fulfilling the department's tasks in accordance with assigned duties. 3. Observance of labour discipline by all department staff. 4. Professional development of teaching staff – at least 50%, including in specialized technologies, digital tools and teaching methods. 5. Review of the achievement of planned indicators at department meetings – at least once per semester.
Improving the quality and practical orientation of student training by updating educational programmes, applying modern educational and digital technologies, and developing dual education and international academic cooperation.	1. Annual updating of the department's educational programmes taking into account applicable professional standards, job functions and employers' proposals. 2. Use of digital educational resources and information technologies – 100% of courses. 3. Inclusion of practical industrial tasks in course and graduation projects – 100% of projects. 4. Graduation projects carried out at the request of enterprises – at least 50% of projects. 5. Coverage by dual education – at least 25% of bachelor's students. 6. Participation in academic mobility – at least 10% of students and at least 10% of teaching staff. 7. Student academic performance – at least 90%. 8. Completion of research internships – 100% of doctoral students whose individual plan provides for an internship in the reporting year. 9. Involvement of foreign scholars – at least 5 people, including 1 visiting professor. 10. Implementation of at least 1 micro-qualification programme jointly with a partner enterprise.
Ensuring a modern standard of quality for teaching materials, e-learning resources, textbooks, and case studies.	Staffing of the EMCS, EMCD – 100 %; case development – 100 %; internal review of methodological developments – 100 %; number of educational and methodological aids – 2. Departmental control – 100%; assessment of professional competence: peer visits – 7 classes, conducting open classes – 22 classes.
- research, development, and implementation of innovative technologies; - ensuring collaboration with enterprises in scientific research.	Number of scientific developments – 4, number of scientific publications – 20, including articles with impact factor – 2, number of publications in international journals – 4, number of master's students – 14, number of doctoral students – 8, number of scientific reports and student abstracts – 10, percentage of students involved in research – 20%, percentage of master's and doctoral students involved in research – 100 %, number of faculty involved in scientific work in the design bureau – 6, monograph publications – 1, invention applications – 2.

Developing students' civic responsibility, patriotism, professional ethics and culture of interaction, supporting student initiatives and fostering a responsible attitude towards studies and their future profession.	1. Holding civic-patriotic, professional and moral-ethical events – at least 10. 2. Holding and participating in cultural and public events – at least 10. 3. Holding advisory (adviser) hours – at least once a month in each academic group. 4. Holding preventive talks on academic integrity, discipline, cybersecurity and a healthy lifestyle – at least 10.
Developing the department's teaching, laboratory and research facilities to support practical training, research and mastery of modern production technologies.	1. Analysis of needs for equipment, software, consumables and library resources – at least once a year. 2. Submission of requests for the purchase of equipment, software and materials – within the deadlines set by the University. 3. Preparation of a request to replenish the library collection with up-to-date educational and scientific literature, including electronic resources. 4. Use of the available universal and CNC equipment, measuring instruments, 3D technologies and virtual laboratories in specialized courses, projects and research – in accordance with the working curricula and the plans for undergraduate, master's and doctoral research work.
Increasing the attractiveness of the department's educational programmes and the employability of graduates through systematic career guidance, expanding partnerships with enterprises and assisting with professional employment.	1. Enrolment in the department's educational programmes in 2026: bachelor's – at least 64 students, master's – at least 3 students, doctoral – at least 3 students. 2. Employment of graduates in their field of study – at least 90% of graduates. 3. Career guidance work with students of Pavlodar Mechanical Engineering College, Pavlodar College of Technical Service, Higher College of Non-Ferrous Metallurgy, Pavlodar Assembly College and schools of the region. 4. Holding at least 2 events jointly with enterprises to familiarize students with internship conditions, employer requirements and employment opportunities. 5. Employer feedback on the quality of graduate training – at least once a year.

Discussed and approved at the department meeting (protocol No. 2 dated September 10, 2026).

Head of the Department **Zh. Mussina**

Agreed:
Dean **A. Zhunussov**

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