



# Sustainable KTU

## SUSTAINABILITY REPORT 2024

4 QUALITY  
EDUCATION



[www.ktu.edu.tr/sustainability](http://www.ktu.edu.tr/sustainability)



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Sustainable development is not only a global vision, but also a shared responsibility that our country bears towards future generations. In this sense, the Sustainable Development Goals (SDGs) set by the United Nations, Turkey's 11th and 12th Development Plans, the Green Deal Action Plan, and the Higher Education Council's sustainability vision form a roadmap for higher education institutions.

As Karadeniz Technical University, we consider it our primary duty to contribute to these goals in line with our mission of education, research, and community service. Our university produces science-based knowledge, develops policies, and implements projects in interaction with the community across a wide range of areas, from quality education to climate action, from poverty reduction to the construction of innovative and sustainable cities.

In line with our country's national policies, our university leads regional development and assumes global responsibility through international collaborations, while also aiming to educate our students to become conscious individuals for a sustainable future. The report prepared in this context reflects not only the activities carried out but also our university's determination on its sustainability journey.

Our belief in the future is strengthened by the guidance of science and the dynamism of our youth. Karadeniz Technical University will continue to contribute to sustainable development goals and support our country's vision in this area.

Prof. Dr. Hamdullah ÇUVALCI  
**Rector, Karadeniz Technical University**



## 4 QUALITY EDUCATION



Karadeniz Technical University (KTU) continues its efforts in line with Sustainable Development Goal 4 (SDG 4), which aims to enhance access to and quality of higher education, promote lifelong learning, and support inclusive, equitable, and quality education for all. KTU places academic excellence at the core of its teaching and learning processes and emphasizes providing an inclusive learning environment that offers equal opportunities to students from diverse socioeconomic backgrounds.

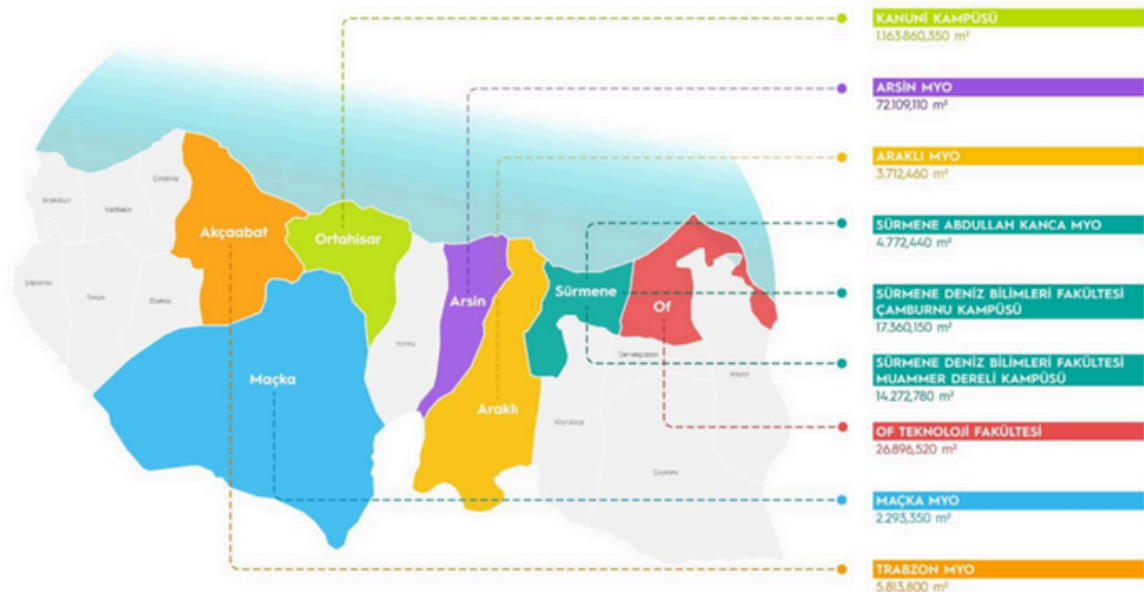
With a history spanning over 70 years, KTU is not only an institution that imparts knowledge but also seeks to build an educational ecosystem that nurtures critical thinkers, socially conscious individuals, and globally responsible citizens. In addition to undergraduate, graduate, and continuing education programs, the university implements multifaceted policies—including open-access resources, digital learning infrastructure, inclusive scholarship opportunities, and support services—to ensure students fully benefit from their right to education.

This report documents KTU's institutional contributions, strategic practices, access and inclusion policies, and exemplary initiatives aimed at enhancing learning quality within the scope of SDG 4: Quality Education.



# Institutional Structure

As one of Turkey's most established universities, Karadeniz Technical University (KTU) has an institutional educational infrastructure structured in line with the principles of quality, accessibility, and inclusiveness in higher education. Our university's educational activities are conducted through programs offered at different academic levels (associate, undergraduate, and graduate); this structure is continuously developed to support quality and sustainable learning opportunities.





# Institutional Structure

## Faculties and Colleges

KTU has 12 faculties, 80 departments, 1 college, 8 vocational schools, and 6 institutes offering 89 master's and 54 doctoral programs. These units offer associate, undergraduate, and graduate programs, providing students with up-to-date, scientific, and applied knowledge in their respective fields. Each program is structured in accordance with national and international accreditation processes, and course plans and outcomes are updated with a student-centered approach.

## Postgraduate Education and Research

Our university's graduate education structure is conducted through the Institute of Forensic Sciences, the Institute of Marine Sciences and Technology, the Institute of Science, Karadeniz Technical Research Institute, the Institute of Health Sciences, and the Institute of Social Sciences. These institutes encourage scientific research, academic development, and interdisciplinary collaborations, while master's and doctoral programs train qualified researchers.

### Sağlık Bilimleri

|               |              |
|---------------|--------------|
| Ön Lisans     | 884          |
| Lisans        | 3.884        |
| Lisansüstü    | 433          |
| <b>Toplam</b> | <b>5.201</b> |

### Toplam

|               |               |
|---------------|---------------|
| Ön Lisans     | 4.998         |
| Lisans        | 21.197        |
| Lisansüstü    | 4.107         |
| <b>Toplam</b> | <b>30.302</b> |

### Fen ve Mühendislik

|               |               |
|---------------|---------------|
| Ön Lisans     | 3.624         |
| Lisans        | 10.598        |
| Lisansüstü    | 2.482         |
| <b>Toplam</b> | <b>16.704</b> |

### Sosyal Bilimler

|               |              |
|---------------|--------------|
| Ön Lisans     | 490          |
| Lisans        | 6.715        |
| Lisansüstü    | 1.192        |
| <b>Toplam</b> | <b>8.397</b> |

Uluslararası Öğrenci  
**1.902**

Öğrenci  
**30.302**





## International Students and the Global Learning Environment



In line with its vision for internationalization in higher education, Karadeniz Technical University (KTU) hosts students from different countries, providing an inclusive and multicultural learning environment. The presence of international students at KTU serves as a significant indicator of the university's global contribution to SDG 4: Quality Education. Currently, numerous undergraduate and graduate international students from regions including Asia, Africa, the Middle East, the Balkans, and the Caucasus are enrolled at the university.

The International Student Coordination Office and the Directorate of Health, Culture, and Sports support students throughout registration, advising, orientation, and social integration processes, while also organizing various activities to strengthen multicultural interaction





## Continuing Education and Lifelong Learning with KTU SEM



Karadeniz Technical University Lifelong Learning Application and Research Center (KTU SEM) operates as an important institution that opens the university's educational opportunities to all segments of society, supporting lifelong learning. The services provided by KTU SEM contribute to the development of individuals' knowledge, skills, and competencies, while offering inclusive learning environments for people of all ages and professional backgrounds in line with SDG 4: Quality Education.

Through KTU SEM:

- Certified professional development programs, technical trainings, and personal development workshops are organized for both internal and external participants,
- Customized educational solutions are offered in collaboration with public institutions, the private sector, and non-governmental organizations,
- Online and in-person courses addressing contemporary needs are planned in areas such as digital literacy, entrepreneurship, disaster awareness, artificial intelligence, and foreign languages.

Additionally, KTU SEM provides accessible education options for women, individuals with disabilities, disadvantaged groups, and those seeking to re-enter the workforce, adopting an approach that promotes social inclusion and equal opportunities.

Through these activities, Karadeniz Technical University positions itself not only as a degree-granting institution but also as a lifelong learning center that accompanies individuals throughout their educational journeys, contributing to the Sustainable Development Goals with a holistic approach.



## Distance Education and Digital Infrastructure

In line with its digital transformation goals, KTU conducts course presentations, seminars, and assessment and evaluation activities through online learning platforms through the Distance Education Application and Research Center (UZEM). UZEM contributes to equal opportunities in education, particularly by facilitating access and providing learning processes independent of time and place.

## Quality Assurance and Quality Education through Accreditation Processes

Karadeniz Technical University (KTU) has successfully completed national and international accreditation processes at the faculty, department, and program levels to strengthen the academic quality assurance system, which is a fundamental pillar of quality education. These efforts directly contribute to SDG 4: Quality Education and ensure that teaching and learning activities are conducted with transparency, accountability, and a continuous improvement approach.

Through accredited units:

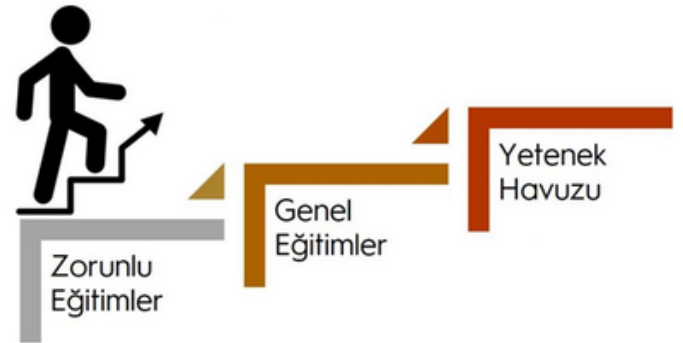
- Educational programs are structured with an outcome-based approach, enabling systematic monitoring of the knowledge, skills, and competencies intended for students,
- Continuous evaluation and improvement processes based on stakeholder participation enhance student satisfaction and enrich the learning experience,
- Graduates' recognition and employability at national and international levels are strengthened,
- Program quality standards are certified, establishing a trustworthy framework in education.



The fact that the Engineering and Forestry Faculties' programs have received approval from accreditation bodies such as MÜDEK, the Science Faculty's programs from FEDEK, the Pharmacy Faculty's program from ECZAKDER, the Health Sciences Faculty's programs from HEPDAK, and the Faculty of Medicine's TEPDAD demonstrates the sustainability of the university's academic competence and quality culture.

In this context, accreditation at KTU is not merely a certification process but also part of an institutional vision based on continuous improvement and student-centeredness in education. It guarantees the implementation of SDG-4: Quality Education at the institutional level.

## KTU Civil Servant Academy: Continuous Education Approach in Personnel Development



KTU continues its efforts to provide quality educational opportunities not only for students but also for its academic and administrative staff. The KTU Civil Servant Academy, established to this end, is a sustainable educational platform that supports the professional development of the university's administrative staff.

The Civil Servant Academy contributes to the continuous development of its staff by offering training in a wide range of areas, including promotions and title changes, regulatory updates, communication skills, digital competencies, and technical training aimed at improving the quality of in-house services. Training is offered in both face-to-face and online formats, supported by interactive content and expert training.





The primary objective of the training provided within the Civil Servants Academy is to train and develop existing human resources. The training aims to increase the knowledge and efficiency of administrative personnel, ensure their ability to utilize scientific and technological resources to the fullest, strengthen implementation, communication, and coordination among personnel and units, promote a quality culture within the university, and prepare personnel for higher-level positions by planning training and other processes to establish a management pool for administrative positions within the university. Three sequential training modules have been developed to address these objectives: Module 1 (Compulsory Training), Module 2 (General Training), and Module 3 (Talent Pool).

With this practice, KTU is embracing a learning institution model that prepares its staff not only for their current roles but also for future responsibilities. This structure, which integrates a lifelong learning approach into the institutional culture, significantly contributes to the dissemination of SDG-4: Quality Education to all stakeholders within the university.





## Contributing to Student Development through Career Center Activities

Karadeniz Technical University's Career Development Application and Research Center (KTU Career Center) offers comprehensive training and consulting services to help students identify their professional orientations, develop their competencies, and participate in the labor market as well-equipped individuals. These activities support not only students' academic development but also their personal and professional development, in line with SDG-4: Quality Education.

Within the Career Center:

- Workshops and seminars are organized on topics such as CV preparation, interview techniques, personal branding, effective communication, and time management,
- Career counseling and coaching services are provided for university students and graduates.

These activities by the Career Center demonstrate that our university integrates the education and training process not only around diploma attainment but also through a competency-based approach, creating a sustainable development ecosystem aimed at enabling students to achieve lifelong success.

**İŞ KULÜBÜ ATÖLYE ÇALIŞMASI**

**Barış KANDIL**  
İş Kulübü Lideri  
İş ve Meslek Danışmanı

**Emel ŞAHİNER**  
İş Kulübü Lideri  
İş ve Meslek Danışmanı

**TARİH-SAAT**  
15.05.2024 13:30

**YER**  
KTU Harita Mühendisliği Bölümü.

\*Etkinlik sonunda katılım belgesi verilecektir.

**MÜLAKAT TEKNİKLERİ VE İMAJ YÖNETİMİ**

**TARİH**  
14.05.2024

**SAAT**  
14.00

**YER**  
KTU İktisadi ve İdari Bilimler Fakültesi Amfi-3

**Emel ŞAHİNER**  
İş Kulübü Lideri  
İş ve Meslek Danışmanı

\*Etkinlik sonunda katılım belgesi verilecektir.

**ÜRETKENLİK İÇİN BULUT ORTAMINDA EXCEL**

**Öğr. Gör. Dr. Zafer YAVUZ**

**TARİH-SAAT**  
27.05.2024 20:00

**ONLINE**  
<https://meet.google.com/hly-gtko-qoe>

\*Etkinlik sonunda katılım belgesi verilecektir.

**HASSAS BECERİLER VE İŞ ARAMA TEKNİKLERİ**

**Barış KANDIL**  
İş Kulübü Lideri  
İş ve Meslek Danışmanı

**TARİH-SAAT**  
26 Aralık 2024 13:00

**YER**  
KTU Mühendislik Fakültesi Makina Mühendisliği Bölümü D-6 Derslik

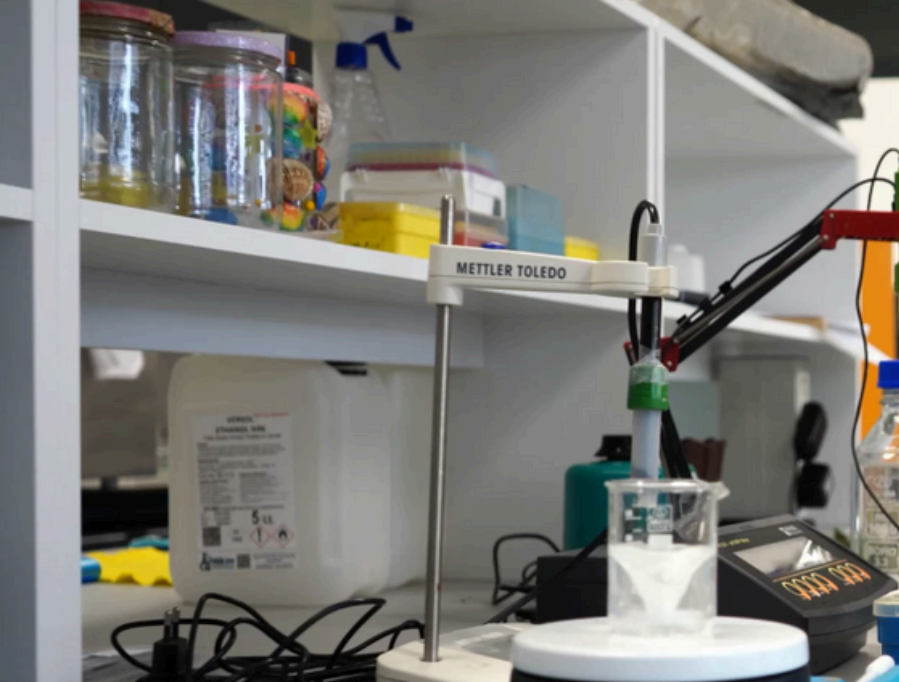
\*Etkinliğimize Ücretsiz ve Sertifikalıdır.



## Library and Information Resources

Karadeniz Technical University (KTU) Central Library and its affiliated units support the learning process by providing advanced electronic resources, open-access archives, and user-friendly services that facilitate students' and researchers' access to information. Through this infrastructure, KTU offers students in various fields not only academic knowledge but also a holistic learning experience that develops critical thinking, ethical values, social responsibility, and digital competencies. The library houses 127,921 printed books, 2,987 printed journals, 1,301,107 electronic books, 74,003 electronic journals, 1,982 CDs and DVDs, and 10,763 graduate theses. This rich collection underpins KTU's institutional educational framework and supports the university's vision of cultivating individuals equipped with the knowledge, skills, and values necessary for sustainable development in line with SDG 4: Quality Education.





## Hands-on and Experience-Based Learning with Research and Student Laboratories

The research and student laboratories at Karadeniz Technical University (KTU) enable students to apply theoretical knowledge in practice, develop scientific thinking skills, and enhance their academic competencies. These facilities are of critical importance for providing equal, inclusive, and high-quality technical education, which is a fundamental component of SDG 4: Quality Education.

At our university:

- A total of 478 modern research laboratories across engineering, science, health, and social science fields offer undergraduate and graduate students opportunities to develop scientific projects, conduct experimental applications, and engage in R&D activities.
- Hands-on training conducted in student laboratories helps develop professional skills and provides students with a competitive advantage in the labor market.
- These environments introduce students to scientific research processes at an early stage, enabling them to enhance critical thinking, problem-solving, and collaboration skills through a project-based learning approach.

Additionally, externally supported projects, scientific studies conducted through student groups, and laboratory-supported internship programs are among the practices that enrich the learning experience at KTU.

With its robust laboratory infrastructure, KTU creates a learning environment that supports not only quality education but also scientific productivity and innovation, making tangible contributions to SDG-4: Quality Education.





## Academic Contributions

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Karadeniz Technical University (KTU) continues its substantial efforts under the theme of Quality Education. According to the Scopus database, the number of scientific publications related to this development goal increased from 15 in 2023 to 22 in 2024, demonstrating steady growth. Purpose-oriented scientific projects at both undergraduate and graduate levels are also actively ongoing, although no projects were completed in 2024. According to the AVESİS database, contributions to this goal include 7 conference papers, 5 book chapters, 3 doctoral theses, and 1 master's thesis.

KTU is committed to SDG 4: Quality Education by emphasizing quality, inclusivity, and accessibility in its education and training processes. With its strong academic staff, continuously developing physical and digital infrastructure, and supportive practices for students and faculty, the university provides a knowledge-based, hands-on, and lifelong learning environment. This holistic approach—from research centers to student laboratories, and from teaching support units to continuous education programs—clearly demonstrates that KTU regards quality education as a fundamental pillar of sustainable development. In this context, KTU continues to build a higher education model that meets not only today's needs but also those of the future.



**Academic Publications-2024**





# Sustainable KTU

This publication has been prepared by KTU Office of  
Research Coordination



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