

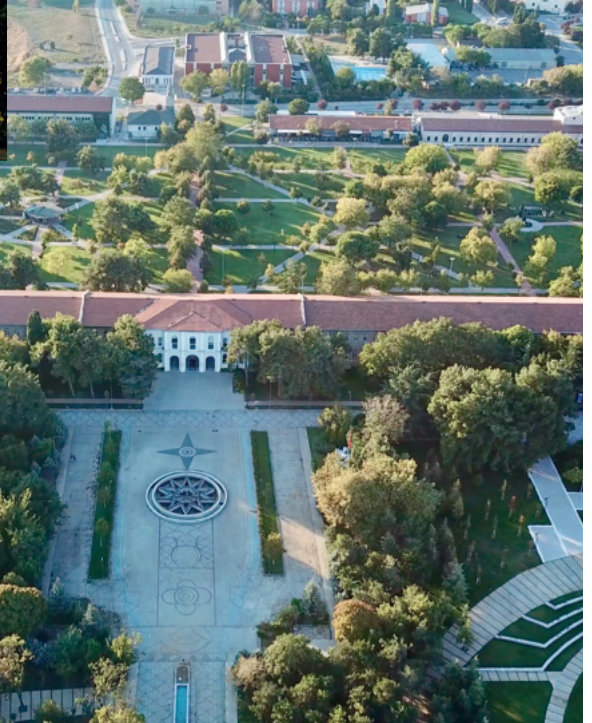


YILDIZ TECHNICAL UNIVERSITY





Yıldız Campus



Davutpaşa Campus



FOREWORD

Yildiz Technical University, with more than a century of experience and academic expertise, has strengthened its well-deserved place among research institutions that are pioneering change on a global scale.

Besides excelling in areas such as engineering, architecture, art, business and economics, Yildiz Technical University continues to shape the future with the

innovative and interdisciplinary approach, fostering an environment of global impact. Together with our leadership in internationalization, and our global network of thousands of alumni, we carry the legacy of Yildiz Technical University across continents.

We cordially invite you to become a part of this unique and dynamic ecosystem at Yildiz Technical University, where a strong integration of science, industry, and innovation has been brought to life.

Prof. Dr. Eyüp DEBİK
Rector

HISTORY

The roots of Yıldız Technical University trace back to its establishment in 1911, with the primary goal of training progressive technicians to accelerate development. After 1923, the university began to recruit staff to support the advancements of the young republic, particularly in the field of public works. Quickly transforming programs in machinery, construction, electricity, cadastre, and architecture into comprehensive

engineering disciplines, YTU adopted the principle of continuous renewal and development in parallel with the evolving needs of the country and the emerging global trends. After 1992, the university expanded its educational offerings to include social sciences and art programs, thus emphasizing creativity. YTU has extended its progressive and innovative approach to these areas as well.

**A LONG-ESTABLISHED AND INNOVATIVE
RESEARCH UNIVERSITY IN THE HEART OF ISTANBUL**

SMART, GREEN, SUSTAINABLE, AND BARRIER-FREE CAMPUSES

ACADEMICS RANKING IN THE TOP 2% ACCORDING TO ELSEVIER CITATION METRICS

MORE THAN 300 WORLD-CLASS RESEARCH LABORATORIES

**LEADERSHIP IN CO-OPERATIVE EDUCATION (CO-OP) AND
UNIVERSITY-INDUSTRY COOPERATION**

THE DISTINCTION OF BEING TÜRKİYE'S FIRST CLEAN ENERGY INSTITUTE

**RANKING IN THE TOP 3 IN TÜRKİYE FOR ACADEMIC PERFORMANCE IN ENERGY
& FUELS, MECHANICAL ENGINEERING, ARCHITECTURE, ENVIRONMENTAL
ENGINEERING AND CIVIL ENGINEERING**

**IN THE UNIVERSITY SATISFACTION SURVEY, AS PER THE STUDENTS'
VOTES, THE INSTITUTION RANKED FIRST IN TERMS OF SATISFACTION
WITH THE ADMINISTRATION AND OPERATION**

**STUDENT CLUBS ACHIEVING THE HIGHEST RANKINGS IN
INTERNATIONAL SCIENCE AND TECHNOLOGY COMPETITIONS**

**THE UNIVERSITY SENDING THE HIGHEST NUMBER OF
STUDENTS TO FOREIGN EXCHANGE PROGRAMS**

**THE RECOGNITION OF BEING TÜRKİYE'S BEST TECHNOPARK FOR
THREE CONSECUTIVE YEARS**

25.181 UNDERGRADUATE
STUDENTS

GRADUATE STUDENTS **12.958**

MORE THAN **165.000** ALUMNI

61 UNDERGRADUATE
PROGRAMS

MASTER'S **127**
PROGRAMS

INTERNATIONAL STUDENT RATIO **%10**

DOCTORAL PROGRAMS 69

72 STUDENT CLUBS

1764 ACADEMICS

FACULTIES 10

3 INSTITUTES

ADMINISTRATIVE STAFF 701

FACULTIES & DEPARTMENTS

FACULTY OF NAVAL ARCHITECTURE & MARINE ENGINEERING

Naval Architecture and Marine Engineering
Marine Engineering

FACULTY OF MECHANICAL ENGINEERING

Industrial Engineering (English)
Mechanical Engineering
Mechatronics Engineering (English)

FACULTY OF ARCHITECTURE

Architecture (English)
Urban and Regional Planning
Conservation and Restoration of Cultural Property

FACULTY OF EDUCATION

Computer Education and Instructional Technology
Primary Education
Social Science and Turkish Language Education
Foreign Languages
Educational Sciences
Mathematics and Science Education

FACULTY OF ELECTRICAL & ELECTRONICS ENGINEERING

Computer Engineering
Electrical Engineering
Electronics and Communications Engineering
Control and Automation Engineering (English)
Biomedical Engineering (English)
Artificial Intelligence and Data Engineering (English)

FACULTY OF ARTS & SCIENCES

Western Languages and Literatures
Physics
Statistics
Chemistry (English)
Mathematics
Molecular Biology and Genetics
Turkish Language and Literature
Humanities and Social Sciences

FACULTY OF ECONOMICS & ADMINISTRATIVE SCIENCES

Economics (English)
Business Administration (English)
Political Science and International Relations

FACULTY OF CIVIL ENGINEERING

Civil Engineering (English)
Environmental Engineering
Geomatic Engineering

FACULTY OF CHEMISTRY & METALLURGY

Bioengineering (English)
Food Engineering
Chemical Engineering (English)
Mathematical Engineering (English)
Metallurgical and Materials Engineering (English)

FACULTY OF ART & DESIGN

Art
Communication Design
Music and Performing Arts

Detailed information regarding the
curricula and course contents for all
undergraduate and graduate programs is
available at bologna.yildiz.edu.tr



GRADUATE SCHOOL OF SCIENCE AND ENGINEERING

MATHEMATICS & SCIENCE EDUCATION

Science Education M.Sc.
Science Education M.Sc. (English)
Science Education Ph.D. Program
Mathematical Education M.Sc.

COMPUTER ENGINEERING

Computer Engineering M.Sc.
Computer Engineering Ph.D.

BIOMEDICAL ENGINEERING

Biomedical Engineering M.Sc. (English)

ELECTRICAL ENGINEERING

Electrical Power Systems M.Sc.
Electrical Machines and Power Electronics M.Sc.
Electrical Power Systems Ph.D.
Electrical Machines and Power Electronics Ph.D.

ELECTRONICS & COMMUNICATION ENGINEERING

Electronics M.Sc.
Communication M.Sc.
Electronics Ph.D.
Communication Ph.D.

CONTROL & AUTOMATION ENGINEERING

Control and Automation Engineering M.Sc.
Control and Automation Engineering Ph.D.

MOLECULAR BIOLOGY & GENETICS

Molecular Biology and Genetics M.Sc.
Molecular Biology and Genetics Ph.D.

PHYSICS

Physics M.Sc.
Physics M.Sc. (English)
Physics Ph.D.
Physics Ph.D. (English)

STATISTICS

Statistics M.Sc.
Statistics Ph.D.

CHEMISTRY

Chemistry M.Sc.
Inorganic Chemistry M.Sc.
Physical Chemistry M.Sc.
Analytical Chemistry M.Sc.
Organic Chemistry M.Sc.
Biochemistry M.Sc.
Chemistry Ph.D.
Inorganic Chemistry Ph.D.
Physical Chemistry Ph.D.
Analytical Chemistry Ph.D.
Organic Chemistry Ph.D.
Biochemistry Ph.D.

MATHEMATICS

Mathematics M.Sc.
Mathematics M.Sc. (English)
Mathematics Ph.D.
Mathematics Ph.D. (English)

NAVAL ARCHITECTURE & MARINE ENGINEERING

Naval Architecture and Marine Engineering M.Sc.
Naval Architecture and Marine Engineering Ph.D.

CIVIL ENGINEERING

Geotechnical Engineering M.Sc.
Hydraulics M.Sc.
Mechanics M.Sc.
Coastal and Port Engineering M.Sc.
Structural Engineering M.Sc.
Civil Engineering M.Sc. (English)
Construction Materials M.Sc.
Transportation M.Sc.
Construction Management M.Sc.
Geotechnical Engineering Ph.D.
Hydraulics Ph.D.
Mechanics Ph.D.
Coastal and Port Engineering Ph.D.
Transportation Ph.D.
Structural Engineering Ph.D.
Civil Engineering Ph.D. (English)

GEOMATIC ENGINEERING

Remote Sensing and GIS M.Sc.
Geomatics M.Sc.
Remote Sensing and GIS Ph.D.
Geomatics Ph.D.

ENVIRONMENTAL ENGINEERING

Environmental Engineering M.Sc.
Environmental Engineering Ph.D.

CHEMICAL ENGINEERING

Chemical Engineering M.Sc.
Chemical Engineering Ph.D.

MATHEMATICAL ENGINEERING

Mathematical Engineering M.Sc.
Mathematical Engineering M.Sc. (English)
Mathematical Engineering Ph.D.
Mathematical Engineering Ph.D. (English)

METALLURGICAL & MATERIALS ENGINEERING

Production M.Sc.
Materials M.Sc.
Production Ph.D.
Materials Ph.D.

BIOENGINEERING

Bioengineering M.Sc.
Bioengineering Ph.D.

FOOD ENGINEERING

Food Engineering M.Sc.
Food Engineering M.Sc. (English)
Food Engineering Ph.D.
Food Engineering Ph.D. (English)

MECHANICAL ENGINEERING

Energy M.Sc.
Heat and Processing M.Sc.
Manufacturing M.Sc.
Construction M.Sc.
Machine Theory and Control M.Sc.
Automotive Engineering M.Sc.
Energy Ph.D.
Heat and Processing Ph.D.
Manufacturing Ph.D.
Construction Ph.D.
Machine Theory and Control Ph.D.
Automotive Engineering Ph.D.

INDUSTRIAL ENGINEERING

Industrial Engineering M.Sc.
Systems Engineering M.Sc.
Occupational Safety and Health Ph.D.
Industrial Engineering Ph.D.

MECHATRONICS ENGINEERING

Mechatronics Engineering M.Sc.
Mechatronics Engineering Ph.D.

ARCHITECTURE

History and Theory of Architecture M.Sc.
Architectural Design M.Sc.
Housing Production and Construction Management M.Sc.
Building Research and Planning M.Sc.
Computer Aided Architectural Design M.Sc.
Building Physics M.Sc.
Building M.Sc.
Building Survey and Restoration M.Sc.
Interior Design M.Sc.
History and Theory of Architecture Ph.D.
Architectural Design Ph.D.
Building Research and Planning Ph.D.
Building Survey and Restoration Ph.D.
Computer Aided Architectural Design Ph.D.
Building Ph.D.
Building Physics Ph.D.

URBAN & REGIONAL PLANNING

Urban Planning M.Sc.
Urban Conservation and Planning M.Sc.
Urban Regeneration and Planning M.Sc.
Spatial Organization and Design M.Sc.
Landscape Planning M.Sc.
Regional Planning M.Sc.
Urban Planning Ph.D.

INTERDISCIPLINARY PROGRAMS

Intelligent Transportation Systems M.Sc.
Avionics Engineering M.Sc.
Avionics Engineering Ph.D.
Biotechnology M.Sc.
Energy Technologies M.Sc.
Energy Technologies Ph.D.
Cyber Security and Cryptography M.Sc.
Applied Urban Science and Urban Innovation M.Sc. (English)
Data Science and Big Data M.Sc.

GRADUATE SCHOOL OF SOCIAL SCIENCES

PRINCIPLES OF ATATÜRK & HISTORY OF MODERN TÜRKİYE

Principles of Atatürk and History of Modern Türkiye M.A.
Principles of Atatürk and History of Modern Türkiye Ph.D.

WESTERN LANGUAGES & LITERATURES

French Translation and Interpreting M.A.
Interlingual and Intercultural Translation Studies Ph.D.

EDUCATIONAL SCIENCES

Curriculum and Instruction M.A.
Educational Administration M.A.
Guidance and Psychological Counselling M.A.
Curriculum and Instruction Non-Thesis M.A.
Educational Administration Non-Thesis M.A.
Curriculum and Instruction Ph.D.
Educational Administration Ph.D.
Guidance and Psychological Counselling Ph.D.

ECONOMICS

Economics M.A.
Economics M.A. (English)
Modern Monetary Economics Non-Thesis M.A.
Economics Ph.D.
Economics Ph.D. (English)

BUSINESS ADMINISTRATION

Business Administration M.A.
Human Resources Management M.A.
Innovation Entrepreneurship and Management M.A.
Business Administration Ph.D.

TURKISH ART & DESIGN

Turkish Art and Design M.A.

FOREIGN LANGUAGES EDUCATION

English Languages Education M.A. (English)

HUMANITIES & SOCIAL SCIENCES

History M.A.
Humanities and Social Sciences M.A. (English)
Philosophy M.A.
Sociology M.A.
Cultural Studies Ph.D. (English)
Philosophy Ph.D.

ART & DESIGN

Proficiency in Art
Art and Design M.A.
Interactive Media Design M.A.
Museology M.A.
Music and Performing Arts M.A.
Art and Design Ph.D.
Music and Performing Arts Ph.D.

POLITICAL SCIENCE & INTERNATIONAL RELATIONS

Political Science and International Relations M.A.
Political Science and International Relations Ph.D.

TURKISH LANGUAGE & LITERATURE

Old Turkic Languages M.A.
Turkish Literature M.A.
Turkish Language and Literature Ph.D.

PRIMARY EDUCATION

Preschool Education M.A.
Primary School Education M.A.

TURKISH & SOCIAL SCIENCES EDUCATION

Social Sciences Education M.A.
Teaching Turkish to Foreigners M.A.
Teaching Turkish to Heritage Learners M.A.
Turkish Language Education Ph.D.

CLEAN ENERGY TECHNOLOGIES INSTITUTE

**Leading Clean Energy Research,
Innovation & Commercialization**

Development of clean energy technologies based on renewable and alternative energy sources, advancement of knowledge, graduate education, realization of research innovation and commercialization studies are done at YTU CET Institute. CET provides technical, social and cultural solutions based on clean energy technologies to contribute sustainable energy, environment and industry.



MAIN RESEARCH FIELDS

Hydrogen and Alternative Fuel Technologies
Energy Storage Technologies
Renewable Energy Technologies
Waste-to-Energy
Smart Grid and Energy Management
Energy Logistics, Policies and Strategies
Economic, Social Impact and Sustainability
Modeling, Simulation and Optimization of Energy Systems



CET INSTITUTE RESEARCH CENTERS

Energy Efficiency Center
Hydrogen Research Center
Battery Research Center (BATLAB)
Clean Combustion Research Center



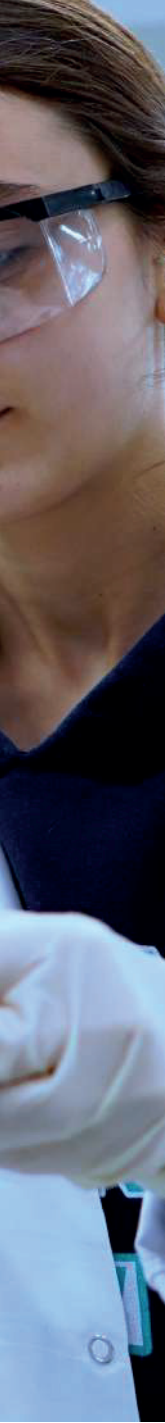
PROGRAM

Advanced Energy Technologies M.Sc.
Advanced Energy Technologies Ph.D.

INNOVATION AND R&D ORIENTED, APPLIED LEARNING - BASED EDUCATION

As an innovation and R&D-oriented institution, YTU places a strong emphasis on applied learning, aiming to integrate theory and practice. Our educational approach is designed to nurture generations that are not only academically proficient but also socially conscious, contributing to the country's development, embracing collaboration, and continuously generating modern knowledge through technological advancements. A culture of lifelong learning is fostered at YTU, allowing our students to face new life challenges with determination and adaptability. Recognizing that true preparedness for life extends beyond traditional coursework, YTU is committed to offering a distinctive education approach that reflects the spirit of the age.





CO-OPERATIVE EDUCATION (CO-OP) MODEL ENABLES OUR STUDENTS TO BECOME ACQUAINTED WITH THE BUSINESS WORLD BEFORE GRADUATION

Establishing strong connections with prominent Turkish corporations, YTU prepares its students for the professional business world. Believing in the effectiveness of the 'Learning In Situ' approach in all aspects, YTU provides its students with ample opportunities to gain real-world business experience before graduation.

WHAT DOES IT ENTAIL?



CO-OP represents a **redefined** and **innovative** version of the traditional **internship**.



The focal point is the harmonization of theoretical knowledge provided by the university with practical **field experience**.



Assuming the role of a bridge between the university and the business world, CO-OP not only introduces students to the business world but **also prepares them for it.**

WHAT MAKES CO-OP DIFFERENT FROM AN INTERNSHIP?



Internship is mandatory, whereas CO-OP participation is based on a **voluntary basis**. Not all students are required to participate in CO-OP, and those who do not meet the criteria are not typically selected for CO-OP positions.



Students participating in CO-OP take **the elective courses related to the field** provided by the company.



Students have the opportunity to **apply exact theoretical knowledge in the workplace**.



Students who successfully complete the CO-OP program are more likely to **secure employment** upon graduation.

WHAT ARE ITS BENEFITS?



EMPLOYERS

- Expanding and enhancing their pool of qualified candidates for human resource needs
- Directly contributing to their workforce by incorporating successful students who are enthusiastic to participate in CO-OP programs



STUDENTS

- Gaining experience in business
- Consolidate theoretical knowledge through practical application
- Enhance their job opportunities



UNIVERSITIES

- Connecting employers and students,
- Providing students work experiences and offering employment opportunities
- Providing theory-practice cooperation

YTU AS AN R&D UNIVERSITY

R&D Studies Focusing on Future Technologies

As a research university, YTU ranks among the top 5 in R&D in Türkiye. YTU students challenge conventional patterns, actively question, and are deeply engaged with information and technology. They are at the forefront of developing technologies that shape the future.

RESEARCH LABS **300+** 

 **40** THEMATIC RESEARCH GROUPS

RESEARCH AND APPLICATION CENTERS **30** 

CITATIONS **175.577**
3.988 PROJECTS
BROADCASTS **39.188**
1.096 PRIZES
PATENTS **306**

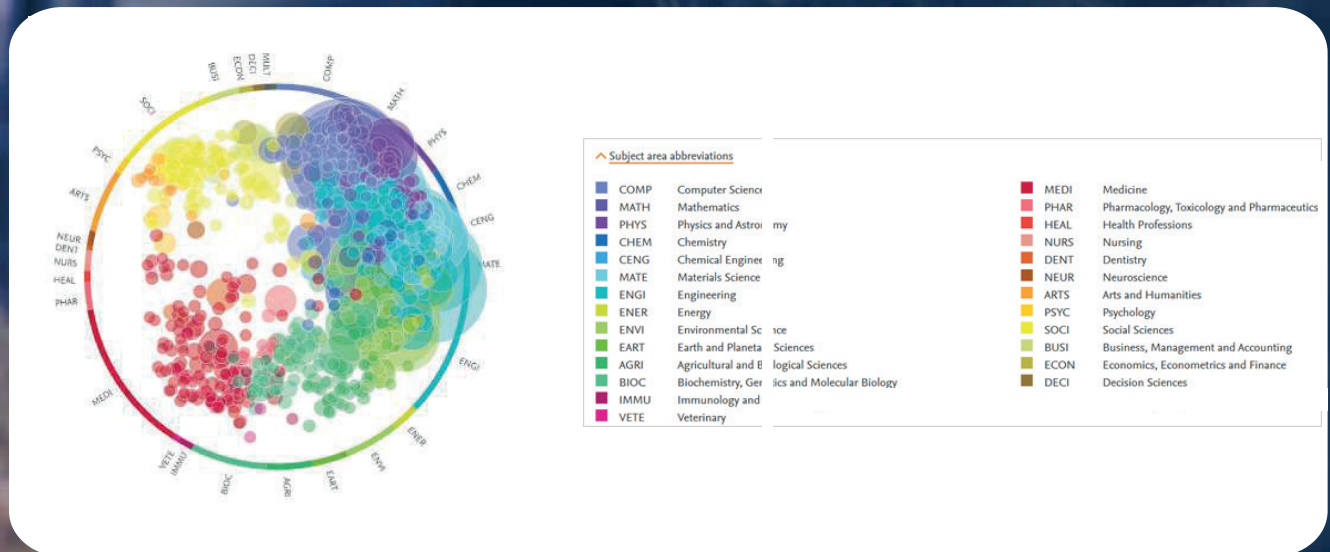
Every year, Yıldız Technical University welcomes thousands of students with an entrepreneurial spirit into its ecosystem, where culture, knowledge meet with technology. At YTU Yıldız Technopark, which is home to Türkiye's leading companies, students have the opportunity to participate in programs like Bootcamps and Hackathons to expand their ventures and can also partake in mentorship and investor meetings through YTU Startup House. Within YTU Yıldız Technopark, entrepreneurs receive support from continuing education centers, lifelong learning initiatives, and entrepreneurial course contents within Yıldız Technical University. YTU excels in four key verticals:

Collaboration: The synergy between YTU, Yıldız Technopark Technology Transfer Office, YTU academics, and industry partners positions YTU as a leader in this domain. Numerous projects have been implemented, and in 2023, YTU achieved recognition as the center with the highest number of inventions in Türkiye, boasting nearly 500 national and international patents.

Innovation: At YTU, innovative business ideas are transformed into value-added products, with a strong focus on technology and innovation.

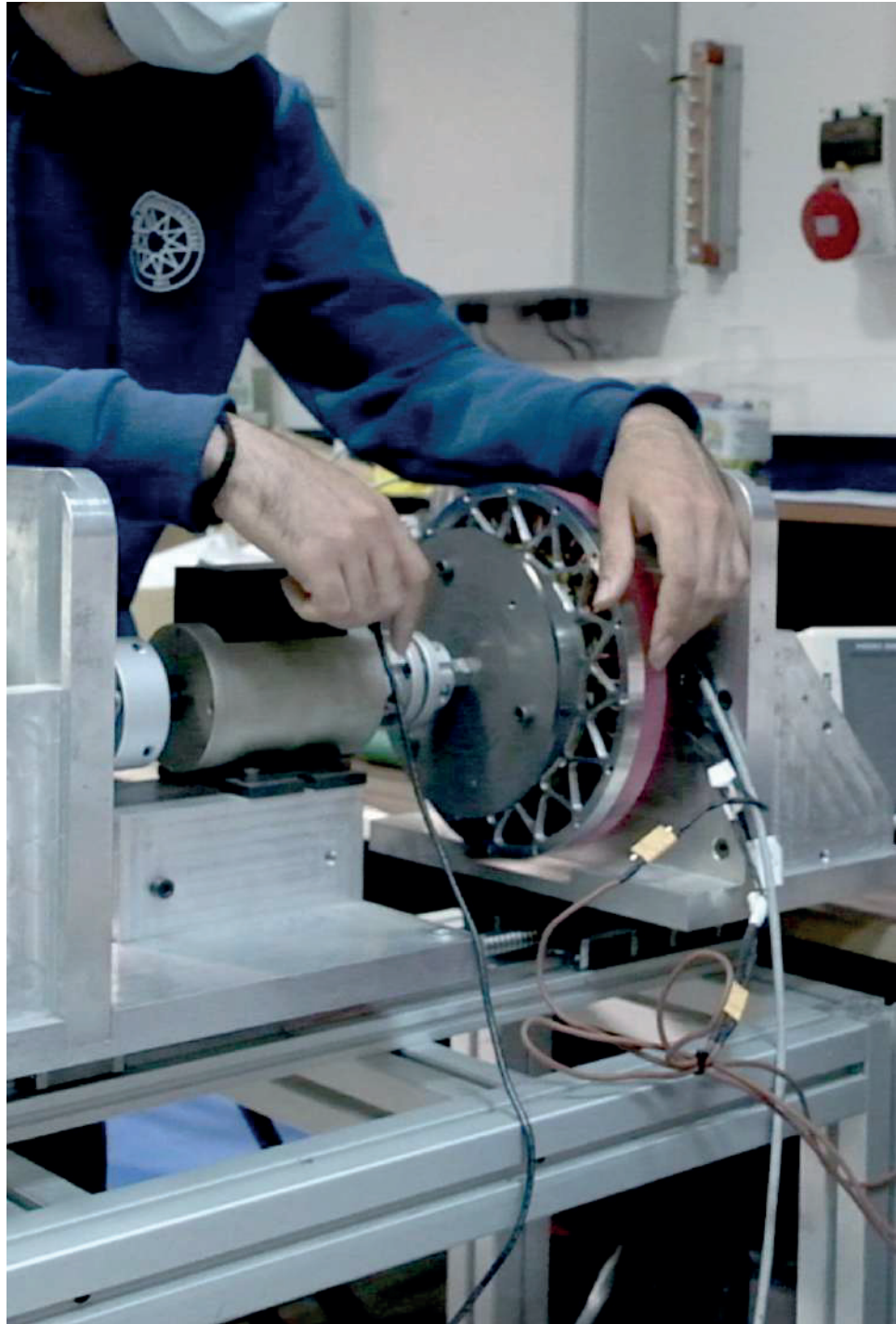
Technology Transfer Office and Research Centers: YTU TTO, supported by TUBITAK, plays a vital role in commercializing inventions and innovative products originating from scientific research.

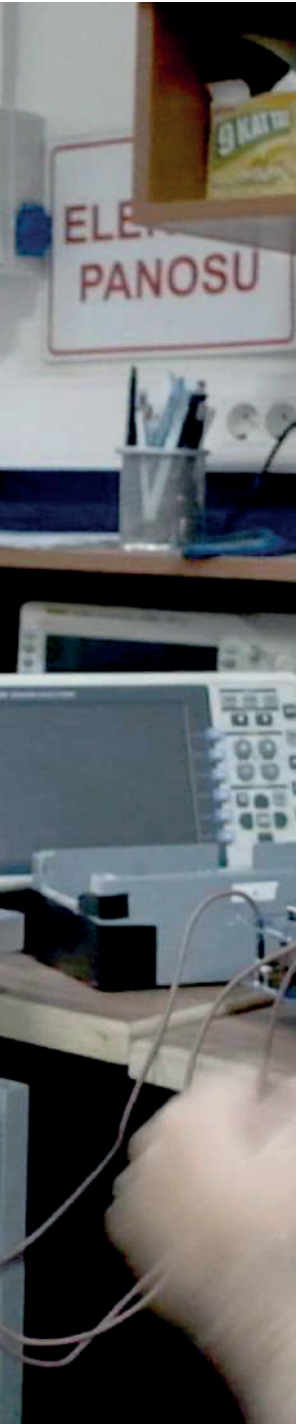
Commercialization: This phase encompasses all processes related to transforming developed products and projects for the benefit of society and the country's economy. Commercialization represents an efficient step in academia-industry cooperation at YTU and includes elements such as training, project support, and collaboration.



CLEAN ENERGY

Y TU accelerates its activities in accordance with clean energy principles through its research and application centers and laboratory infrastructure, which are part of Türkiye's first Clean Energy Technologies Institute at Y TU. The Institute carries out R&D studies not only within the university's framework but also in the context of national/ international interactions and collaborations. Furthermore, while promoting the on-campus use of electric vehicles remains a priority, Y TU is also committed to reducing its carbon footprint by providing electric scooters and bicycles for everyone to use.









HEALTH & BIOTECHNOLOGY

YTU maintains its expertise in the biotechnology field, proudly contributing to the global scientific output in Türkiye. As part of its commitment to achieving global competitiveness in the areas of health, energy, and biomaterials, YTU engages in the production of medical devices and chemicals for the treatment of diseases. Additionally, YTU develops functional mechanical materials and solar cells.





HYDROGEN TECHNOLOGIES

The Hydrogen Research Center is the first hydrogen-focused research center in Türkiye. Its primary mission is to promote the use of hydrogen as a sustainable energy source through research on hydrogen energy technologies, and to contribute to the development of the hydrogen economy in Türkiye. Besides research and development activities in the field of hydrogen technologies, the center also aims to create and disseminate policy proposals for advancing the hydrogen economy.

Research activities at the center encompass hydrogen production, storage, and utilization, utilizing state-of-the-art laboratories and pilot facilities. Moreover, the Hydrogen Research Center organizes various events and training sessions to facilitate collaboration and knowledge sharing among students, academics, and industrial partners.

AI TECHNOLOGIES

At YTU, a hub for digital innovation, pioneering studies in artificial intelligence and robotics are conducted with steadfast support from governmental bodies. YTU serves as the home for industry leaders within the YTU Yıldız Technopark. Notably, autonomous and AI-supported technologies are actively being advanced through “Polonom Technology,” faculty members from YTU’s Computer Engineering a venture founded by department.



Manufacturing &
Industrial

Digital Services &
LegalTech &
Finance

Retail & Mobility
& Smart Cities

Human-Centered
AI & Augmented
Reality

AI in the
Sciences &
Engineering

AI in Education &
Future of Work

Robotics &
Autonomous
Systems

Sustainability &
AI for Good



YTU YILDIZ TECHNOPARK: A CORNERSTONE OF TÜRKİYE'S TECHNOLOGICAL LANDSCAPE

At YTU, focused studies span a wide range of areas, encompassing defense technologies, clean energy, biotechnology, and digital technologies—key focal points on the global technology agenda. YTU actively contributes to international advancements in blockchain, artificial intelligence, data analytics, nanotechnology, and biotechnology. Moreover, YTU keeps pace with contemporary trends, including the Internet of Behavior, hyper-automation, digital twins, zero trust, Industry 4.0, quantum computing, the Internet of Medical Objects, and augmented reality.

PROJECTS 1300+
COMMERCIALIZED

7000+ **COMPLETED**
SINCE 2013 **PROJECT**

PERSONNEL 14500+

\$3B+ **TOTAL R&D**
EXPORT

INTELLECTUAL 888
PROPERTY

\$1.8B+ **TOTAL R&D**
REVENUE

180 **STARTUPS**

COMPANIES 750





The game world, which is rapidly gaining popularity and boasts a billion-dollar volume, holds a special place in YTU Yıldız Technopark's portfolio. The GamesUp Mobile Game & E-sports Incubation Center stands as one of Türkiye's premier programs and serves as the foremost destination for individuals and teams seeking to develop products and services within this field.

fintech

Ambitious about FinTech, the world of digital finance, YTU Yıldız Technopark fosters collaborations between companies and startups at the forefront of the finance ecosystem. The 'FIDE Acceleration Program,' designed to support initiatives aspiring to become global companies, encompasses various programs tailored specifically for startups.





Addressing digital solutions in the insurance industry, Insurtech is a topic of significant importance within YTU Yıldız Technopark. In partnership with YTU Yıldız Teknopark and one of its companies, Insurtech HUB, Türkiye's first International Insurance Technologies Summit was hosted. YTU Yıldız Technopark aims to enhance the 'Insurtech Startup' ecosystem, fostering increased collaboration between insurance sector stakeholders and technology companies.



YTU Yıldız Technopark, Türkiye's most influential technopark in the medical devices sector, welcomes entrepreneurs, academics, and all stakeholders in the healthcare field through its Healthtech program. This program aims to bring together innovative ideas, offering not only training and mentoring but also support in the form of incentives and grants.





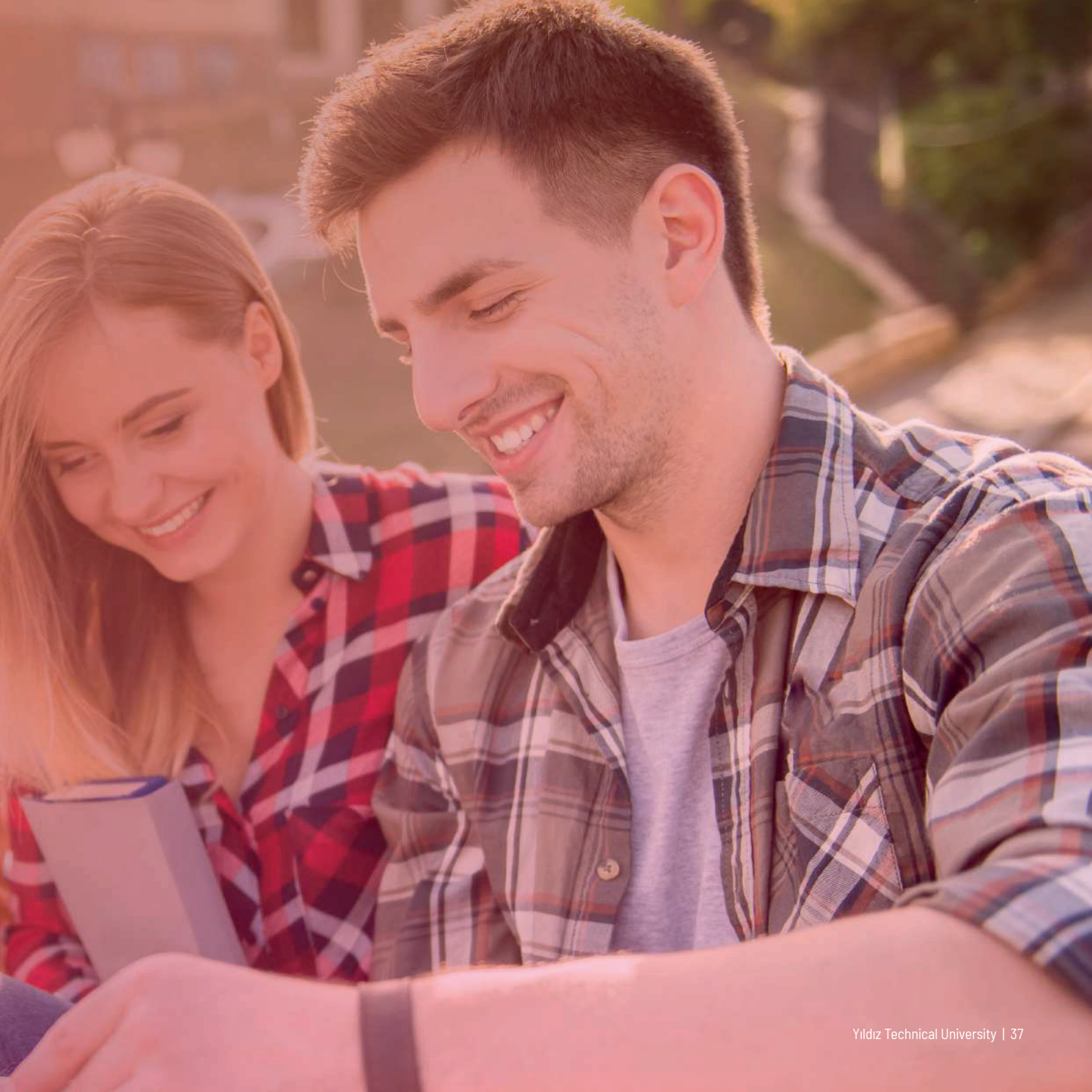
YTU INTERNATIONAL

YTU officially ranks #1 in Türkiye for the number of students participating in the Erasmus+ Programme!

YTU, with the exchange programs it offers to its students and staff, aims to raise its members as world citizens by increasing global awareness. Through a strong commitment to international mobility, YTU provides its community with valuable opportunities to experience different cultures, educational systems, and perspectives. The university is recognized as the leading institution in Türkiye in terms of the number of students benefiting from the Erasmus+ program. In addition to its well-established partnerships within the European Union, YTU also engages in academic and cultural cooperation with countries outside the EU. Through the Erasmus+ KA171 program, the university maintains strong collaborations with many non-EU partner institutions, further expanding its global reach. These efforts strengthen intercultural dialogue and support YTU's vision of becoming a more open, connected, and internationally active university.

700+ AGREEMENTS
PARTNERS 300+
TOTAL GRANT 1.500.000 €

700+ OUTGOING STUDENTS
INCOMING STUDENTS 300+



WHERE CAN YOU GO ON EXCHANGE?

ERASMUS+ PROGRAM UNIT

Germany	Hungary	Finland	South Africa	USA
Poland	Belgium	Russia	Kosovo	Canada
Italy	Croatia	Serbia	Nepal	Australia
Spain	Netherlands	Ireland	Panama	Japan
France	Latvia	Scotland	Azerbaijan	Singapore
Portugal	Slovakia	Norway	Ukraine	Malaysia
Czech Republic	Lithuania	Benin	Jordan	Brazil
Romania	North	Bosnia and	Georgia	Indonesia
Greece	Macedonia	Herzegovina	Moldova	South Korea
Bulgaria	Slovenia	Algeria	Albania	
Austria	Denmark	Dominican Republic		
Sweden	Estonia	Morocco		

MEMORANDUM OF UNDERSTANDINGS (MoU)



Finland	Germany	Malaysia	Netherlands
France	Indonesia	Mongolia	Egypt
England	India	Uzbekistan	Somalia
Italy	South Korea	Pakistan	Libya
Kosovo	Georgia	Russia	USA
Latvia	Iran	Sri Lanka	Mexico
Poland	Israel	Thailand	Colombia
Serbia	Japan	China	Azerbaijan
Ukraine	Kazakhstan	Albania	Gambia
Bosnia and Herzegovina	Kyrgyzstan	Austria	United Arab Emirates
	Canada	Denmark	

The Erasmus+ Program offers a unique opportunity for YTU students to gain international experience and exposure to diverse academic and cultural perspectives, thereby contributing to enhance their personal and professional growth. Participation in the Erasmus+ Program equips YTU students with valuable language skills and cross-cultural communication abilities, which are increasingly vital in today's globalized world.

YTU consistently ranks as the top university in Türkiye for enabling the highest number of students to benefit from the Erasmus+ Program; this demonstrates its commitment to providing its students with the highest quality international educational opportunities.

YTU extends its dedication to fostering intercultural exchange and global awareness through various national and international exchange programs, available to both students and staff.

SOME OF OUR PARTNERS IN INTERNATIONAL PROJECTS

	PROJECT NAME	PARTNERS
	Circular Economy for the Sustainable Earth Spheres-Geosphere, Biosphere,Hydrosphere & Atmosphere	KU Leuven Fundacion Instituto Tecnologico De Galicia University of Vigo The Lower Danube University Technical University of Crete University of Leoben
	EmpOweR Students as the agents of cHange	University of Padua Vienna University Budapest University of Technology and Economics WSB University
	Enhancing Sustainability of PhotopolymERs ANd phoToinduced prOcesses	Polytechnic University of Turin University of Montpellier University of Upper Alsace University of Leoben Imperial College of Science Technology and Medicine
	AgriPV system with climate, water and light spectrum control for safe, healthier and improved crops production	Technical University of Denmark The University of Sheffield
	Smart Building Sensitive to Daily Sentiment	Aalto University University of Trento Polytechnic University of Catalonia
	Energy Communities excellence Hubs: catalyzing energy innOvation ecosystems	Aristotle University of Thessaloniki Nova University Lisbon
	Integration of Advanced Experiments, Computation and Data for Innovation in Freeze Casting and Advanced Porous Structures	CNR Italy International Hellenic University

PROJECT NAME

PARTNERS



Redesigning Introductory Computer Programming Using Innovative Online Modules

Tallin University
Universita Degli Studi di Palermo
University of Ljubljana
Burgaski Svoboden Universitet



Physical and Mental Awareness for University Students

University of Palermo
Lisbon University



Global Beats in Sports Training

CERC - Community Educational Research Center
Youth Basketball Club "Belgrade"



Multicultural Classrooms: Inclusive Learning and Teaching in Higher Education

Transilvania University
Ghent University of Applied Science
Sofia University
Czech University of Life Sciences Prague
San Jorge University



The Agripreneurship! MAPs for NEETs

Barcelona Academy
Forest Science and Technology Centre of Catalonia
Academy of Technical Vocational Studies Belgrade



Autonomus Network System With Specialized And Integrated Multi-sensor Technology For Dynamic Monitoring Of Marine Pollution

Malta College of Arts
Science and Technology University of Cape Town



SMARTSTART Innovative Approaches with Machine Learning in Early Childhood Education

Nekser, Lt
Hogskolen Innlandet, No
Kinderburo Uni. Wien, At



AI4VET - Harnessing Artificial Intelligence for the Digital Transformation of Vocational Education and Training Institutions

Universita Degli Studi Di Palermo
Tallinna Kesklinna Vene Gümnaasium
Ficus Ets – Finanza, Innovazione E Consulenza Per Soluzioni Sostenibili



AI4VET - Harnessing Artificial Intelligence for the Digital Transformation of Vocational Education and Training Institutions

Centro Italiano Opere Femminili Salesiane - Formazione Professionale Veneto Ente Terzo Settore Fondazione Europelago Coopetape, Cooperativa De Ensino Crl
Biotehniski Izobrazevalni Center Ljubljana



Optimization of Quay Walls with Passive Side Reinforcement by Implementing Smart Solutions

Oryx Universal College
MAG Engineering Services



Novel Inhibitors targeting DXR in Neisseria Gonorrhoeae

Fraunhofer IME
Mahidol University



Accurate and Sensitive Determination of Lead, Cadmium and Nickel in Environmental Samples by Slit Quartz Tube Flame Atomic Absorption Spectrometry

Odessa Polytechnic State University



Formulating Functional Food Additives Based on Lactic Acid Bacteria and Their Metabolites with Unique Properties to Extend Shelf Life and Provide Pro-Health Benefits to Food Products

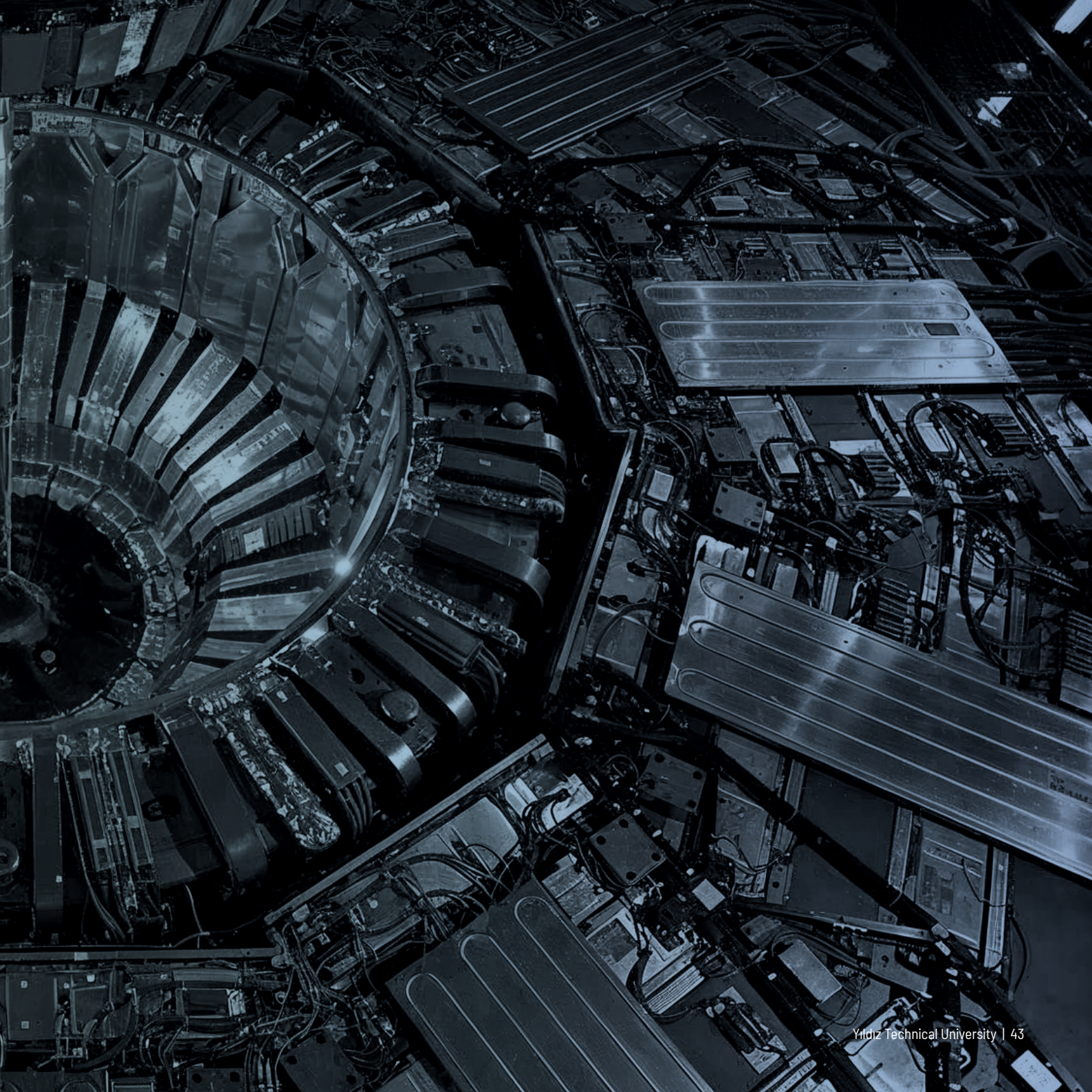
Institute Of Biochemistry And Biophysics
Polish Academy Of Sciences

YTU AT CERN

Yıldız Technical University (YTU) collaborates with global teams at the European Organization for Nuclear Research (CERN), one of the world's foremost research centers in fundamental physics.

At this world-renowned center, where fundamental research questions such as the smallest building blocks of matter, their interactions, and the origin and evolution of the universe are investigated, YTU students and academics actively participate and demonstrate a strong commitment to scientific innovation.

YTU researchers contribute to groundbreaking experiments at CERN, particularly the Compact Muon Solenoid (CMS) and A Large Ion Collider Experiment (ALICE), both recognized for their major scientific discoveries and advanced research infrastructure. Through involvement in research efforts like these, YTU serves as a source of inspiration in both national and international academia by gaining experience in globally influential scientific work, contributing to the advancement of modern technologies, and engaging with strong international scientific networks.



SUSTAINABLE GREEN CAMPUS

FULFILLING OUR RESPONSIBILITIES FOR THE FUTURE OF THE WORLD

The first state university to receive Zero Waste Certificate

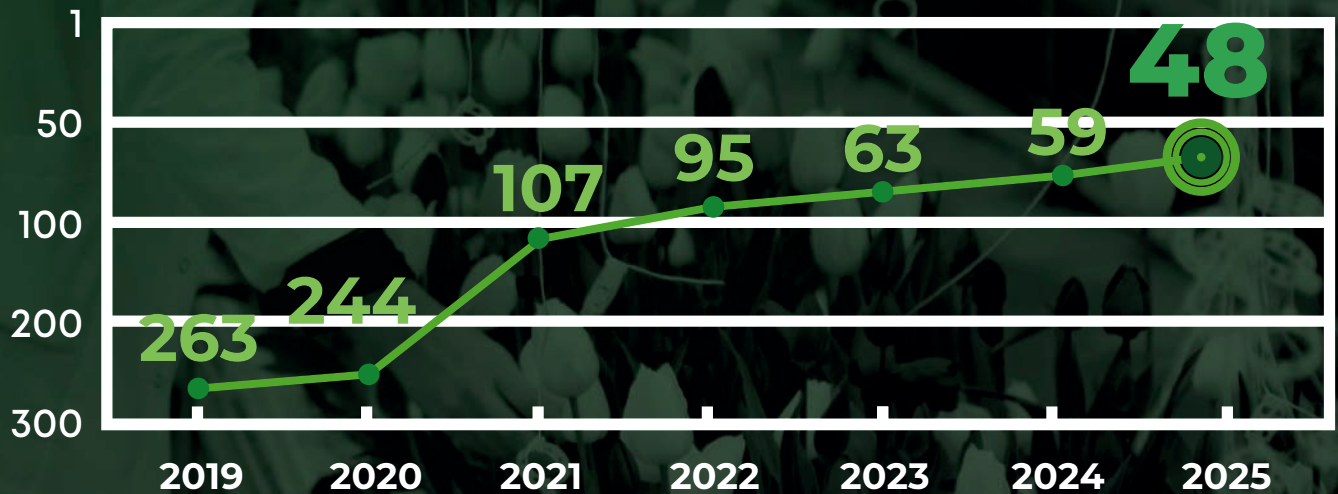
The first state university to receive a Zero Waste Certificate, YTU operates based on the principle of 'Value for the environment, Value for people.' The university carries out educational and research activities focusing on five crucial subjects: campus and infrastructure, energy and climate change, waste, water, and transportation, all in the pursuit of sustainability.

Furthermore, YTU has aligned its institutional policies and initiatives with the 17 United Nations Sustainable Development Goals. As part of its commitment, the university has joined the United Nations Sustainable Development Solutions Network (UNSDSN) as a member organization. Through this affiliation, YTU collaborates with universities worldwide to contribute to the realization of the Sustainable Development Goals.



GreenMetric

World University Rankings



SUSTAINABLE GREEN CAMPUS

Enhancing Environmental Awareness through Education and Energy Conservation on an Environmentally Friendly Campus

CAMPUS AND INFRASTRUCTURE

YTU Davutpaşa Campus establishes a distinctive spatial identity set apart from other areas, boasting unique historical and natural assets. With its green campus approach, it embodies the characteristics of sustainability by addressing regional environmental issues, mitigating the impacts of climate change, implementing disaster management strategies, adopting a self-sufficient energy system, managing waste effectively, conserving water, and fostering ecological awareness.

ENERGY AND CLIMATE

Energy consumption is closely monitored throughout the campus, and electronic devices used in renovation and maintenance work are systematically replaced with new-generation equipment designed for reduced energy consumption. The recently commissioned 'Davutpaşa Campus Solar Panel Project' now plays a pivotal role in meeting a significant portion of the campus's electricity needs from on-campus sources. This initiative underscores our commitment to sustainable practices and environmental responsibility.

WASTE MANAGEMENT

At YTU, numerous steps are being taken, supported by R&D studies, to integrate waste into the circular economy. Leveraging the expertise of YTU's academic staff, who are specialists in their respective fields, and encouraging the exchange of ideas with graduates and students engaged in waste management within municipalities and private institutions, there is a continuous effort to enhance waste management practices. YTU holds the distinction of being the first state university in Istanbul to achieve the 'Zero Waste Certificate' in October 2020.



WATER CYCLE

The design of green areas at YTU was primarily undertaken to safeguard natural drainage zones, ensuring the continuity of the water cycle and contributing to the reduction of greenhouse gas emissions. Through this approach, YTU aims to play a role in enhancing the city's water cycle. In the water management systems of landscaped areas, the emphasis is on utilizing drought-resistant or low-maintenance plants, improving soil drainage, and ensuring the correct design and implementation of irrigation systems. The campus strives to conserve water through the natural recycling of water, reduced groundwater utilization, efficient water use facilitated by smart device systems, and the selection of xeric plants.

TRANSPORTATION

YTU aims to minimize or neutralize the carbon footprint by decarbonizing its campuses. Efforts are in progress to reduce energy consumption in university structures, open spaces, and transportation areas. As part of the climate change adaptation process, the goal is to transform into a post-carbon university by mitigating the impact of existing carbon dioxide through technology and afforestation.

CAMPUS LIFE

“You Cannot Become a Student just by **Attending Classes.**”

At YTU, students experience solidarity, form connections and meet others who share similar interests on common ground. All 72 clubs are student-managed, fostering interaction through the ‘Valley of Clubs.’ Active student societies cover diverse fields, including the Astronomy Club, Digital Game Development and Digital Acting Club, Sailing Club, and the Physics Club.



VALLEY OF CLUBS

YTU Student Clubs gather in this valley

The Valley of Student Clubs, designed to unite student clubs and enhance their physical opportunities, hosts numerous events with its 40 office rooms, technical workshops, art workshop, meeting room, and open event space. This area, where various studies are conducted in categories such as science and technology, sports, social development, career, culture, and art, stands as one of the primary spaces where students come together to socialize at the university.



ARTS AND CULTURE

The Door to a Different World: YTU Art Clubs

YTU campuses host numerous cultural and artistic events throughout the year. In addition, through YTU art clubs, our students carry out their studies encompassing cinema, theater, and music, opening the doors to an entirely different world through various events organized each year. These activities provide students with diverse opportunities to explore and appreciate the arts.





***A campus designed for a healthy future,
a barrier-free tomorrow.***



SPORT

Sports Facilities Equipped with Latest Technology Open to Everyone

YTU supports sports activities with its athletics track, sports hall, football and basketball fields, fitness center, tennis court, and an indoor Olympic swimming pool, providing services to both students and academics.

39 BRANCHES **42DEGREES**

LIBRARY

YTU accommodates two main libraries: the Davutpaşa Campus Central Library and the Yıldız Campus Şevket Sabancı Library. Serving a large internal and external user base, these central libraries offer 7/24 service. Additionally, there are communal study areas and department-specific libraries.

7.176.081 ELECTRONIC SOURCES

PERSON CAPACITY **2600**

19.543 THESIS

PRINTED BOOKS **202.356**

21.729 PRINTED PERIODICALS



HEALTH

In the Medico-Social Health Units located on the Beşiktaş and Davutpaşa Campuses, health services are offered to students, academic-administrative staff, their families, as well as retired personnel of our university.



DINING HALL

High Standards of Food Service

YTU cafeterias serve 10,000 people per day. In addition to providing nutritious and hygienic meals prepared to daily calorie needs, the cafeterias also offer celiac, vegan, and vegetarian menu services.

YILDIZ TEKNİK ÜNİVERSİTESİ KAMPUS HARİTASI DAVUTPAŞA YERLEŞKESİ



- 1 Tıpina / Rektörlük / İdari Binalar / Enerji Üretimi BİDE-ÖSE
- 2 Orta bahçe
- 3 Yemekhane
- 4 Elektrik-Elektronik Fakültesi
- 5 Fen-Edebiyat Fakültesi
- 6 Kimya-Metalurji Fakültesi
- 7 İktisat ve İdari Bilimler Fakültesi
- 8 Ring ve Otoplast Parkuru
- 9 Otağ-Hümayun
- 10 Kongre Merkezi
- 11 Kütüphane
- 12 Yabancı Diller Yüksekokulu
- 13 Teknopark
- 14 Merkez Laboratuvar
- 15 Hidrodinamik Laboratuvar
- 16 İnşaat Fakültesi
- 17 Sigara İstasyonu
- 18 YTU Stadyumu
- 19 Kulüpler Vadi'si
- 20 Spor Kompleksi / Beden Eğitimi Bölümü
- 21 Açık Oyun Sahaları
- 22 Yıldız Sitesi / Süpermarket
- 23 Şehide Türkmen Türkmen Kız Öğrenci Yurdu
- 24 Eğitim Fakültesi
- 25 İİT Medika
- 26 Blok İşletme Merkezi
- 27 YTU-KYK Enerji ve Kız Yurdu
- 28 Lombarlar
- 29 Sanat ve Tasarım Fakültesi
- 30 Sancak Köprüsü
- 31 Yeni Kütüphane
- 32 Güvercin Müdürlüğü
- 33 Temiz Enerji Enerji Üretimi
- 34 Yıldız Teknopark Yönetim Binası
- 35 Innovation Hub
- 36 Academic Lounge
- 37 Camii

 **YTU**

YILDIZ TEKNİK ÜNİVERSİTESİ KAMPUS HARİTASI YILDIZ YERLEŞKESİ



- 1 Rektörlük
- 2 Mesanalar KoordinatörÜğÜ
- 3 Sütlük E. Abdülmecid Uygulama ve Araştırma Merkezi
- 4 Kütüphane Yabancılar Konuma ve Onarım Bölümü
- 5 A BLOK Makine Mühendisliği
- 6 B BLOK Dernekler ve Laboratuvarlar
- 7 D BLOK Mimarlık Fakültesi
- 8 E BLOK Makine Mühendisliği Laboratuvarları
- 9 F BLOK Çukur Saray
- 10 G BLOK Hümayun Dairesi
- 11 H BLOK Yabancılar Köşkü
- 12 I BLOK Kütüphane
- 13 K BLOK Kireç Binası
- 14 L BLOK Sanat Merkezi
- 15 M BLOK Yemekhane
- 16 N BLOK Ağaç Dairesi
- 17 O BLOK Kiler-i Hümayun
- 18 T BLOK Gemi İnşaat ve Gemi Makineleri Mühendisliği
- 19 U BLOK Laboratuvar ve Çalışma Ofisleri
- 20 O BLOK Laboratuvar ve Çalışma Ofisleri
- 21 V BLOK Çalışma Ofisleri
- 22 P BLOK Sürekli Eğitim Uygulama ve Araştırma Merkezi
- 23 R BLOK Öğrenci Kulüpleri
- 24 Açık Oyun Sahaları



 **YTU**

