

YEDİTEPE UNIVERSITY

R&D and Innovation



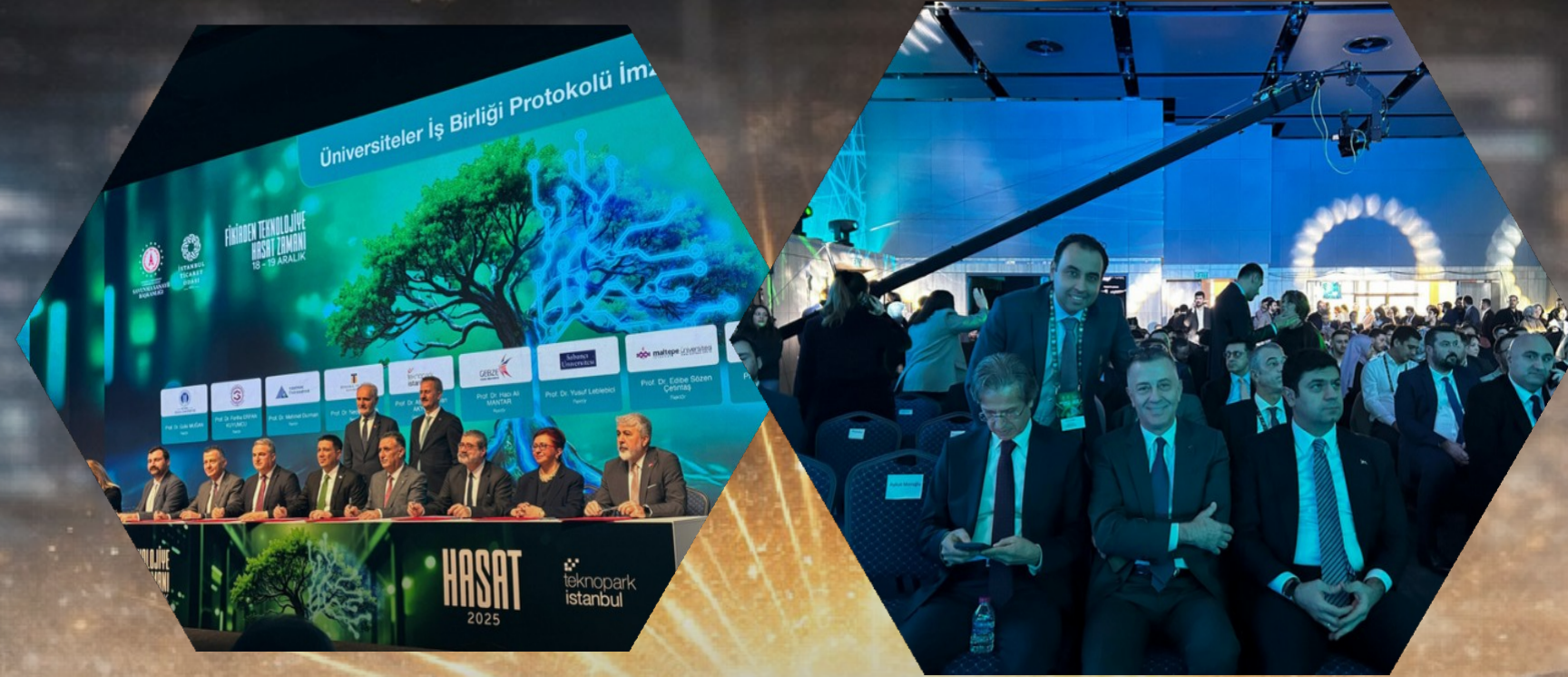
YEDİTEPE
UNIVERSITY

30th
year

WHERE INNOVATION
MEETS OPPORTUNITY



March
2026



**YEDİTEPE
UNIVERSITY**




**teknopark
istanbul**

Yeditepe University has established a strategic partnership with Teknopark Istanbul. The collaboration agreement was signed during the HASAT event, marking the beginning of joint initiatives. This partnership aims to foster innovation, research, and industry-academia collaboration.

Knowledge to Value

Our R&D Vision

From Academic Knowledge to Societal Value



Idea



Prototype
— Prototype —



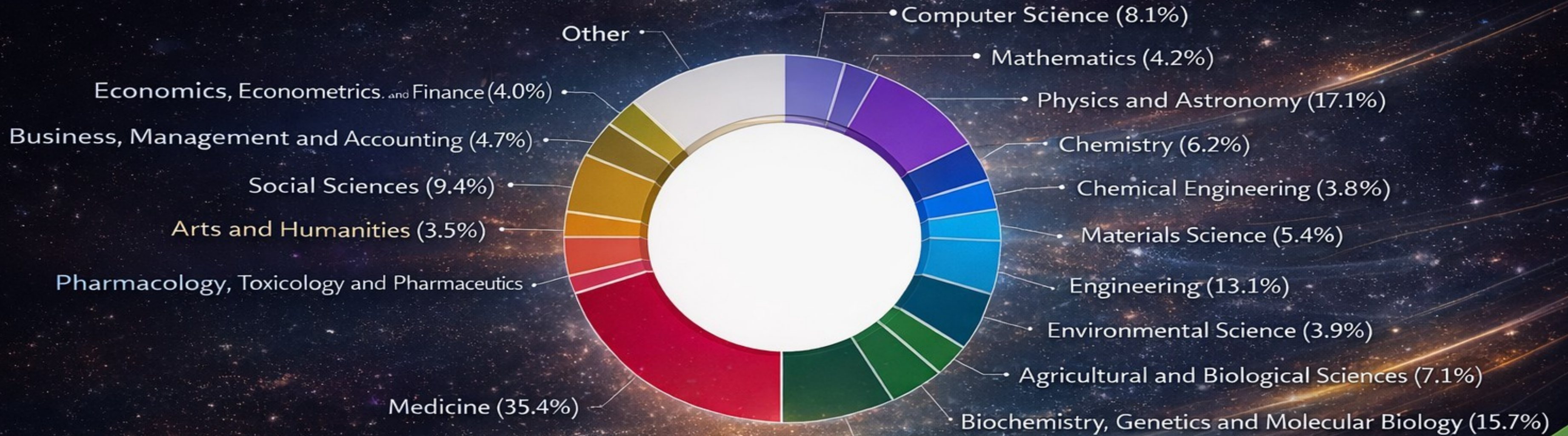
Company




Global Market

- Our goal is to ensure that the knowledge produced does not remain limited to academic publications.
- We aim to establish a comprehensive R&D ecosystem that transforms knowledge into value extending to products, companies, investments, and global markets.
- Collaboration between academia, entrepreneurship, and industry is advanced under the same ecosystem.

Academic Research Depth/Power



Academic R&D KPIs 2025



+4.3% increase

715 Q1+Q2 Academic Publications per year

715 Q1+Q2 Academic Publications per year



36 University-Industry Collaborations with new companies



+57.5% increase

208 External Fund Project Applications

208 External Fund Project Applications



39 Patent Applications



24 Granted Patents



+22% increase

295,630,797 TL Total R&D Spending



46 PhD Programs

R&D KPIs 2025

Academic Research Project performance



Applications

2014



Ongoing

79



Concluded

414

- 20 years, Countless innovative ideas,
- Unending production,
- Not just an established structure,
- but a culture built from the ground up

Distribution of 79 Active Projects

Total Budget: 130 Million TRY

TÜBİTAK

ARDEB 1001, 1002, 105.
3501, 1004, 3005
TEYDEB 1833, 1711/
COST, ERA, BILATERTSINERSHIPES(FRANSA,
ABD, SIRBISTAN, PRİMA)

ISTKA

TWIN TRANSITION
FINANCIAL SUPPORT PROGRAM

TUSEB

A, B, C Programs

EU FUNDING &
SUPPORT
PROGRAMS

Horizon Europe, Erasmus+
Strategic Partnerships

BRITISH
COUNCIL



- ✓ **19** are international projects
- ✓ **8** are university-industry collaboration projects
- ✓ **28** are inter-institutional collaboration projects

The Student Projects Committee was established for the first time in 2025.

Nasıl Yapılır?

İştahlarımızın, yaratıcı ve yenilikçi düşüncelerinin ulusal ve destek mekanizmalarından fon olarak projelendirilmesi için; kitlesel olarak bilgilendirilmelerini, desteğe yönlendirilmelerini, işvuru ve sözleşme sürecinin yönetimi, dilen projelerin tabi olduğu mevzuat ve üniversitemiz araştırma doğrultusunda başarıyla yürütülmesini sağlayan, proje süresince kurum dışı koordinasyonu sağlayan birimdir.

Yeni zamanda üniversitemiz özkaynaklı araştırma faaliyetleri için oluşturulan **YAP** destek mekanizmalarını yürütmekte ve , süreçleri takibine destek vermektedir.

TÜBİTAK 2209-A Üniversite Öğrencileri Araştırma Projeleri Bilgilendirme Toplantısı

Prof. Dr. Elif Sungurtekin Ekşi, Diş Hekimliği Fakültesi
Dr. Öğr. Üyesi Elif Develi, Sağlık Bilimleri Fakültesi
Dr. Öğr. Üyesi Başak Aru, Tıp Fakültesi

Kasım 2025, Online

TÜSEB Projelerinde Bursiyerlik

TÜSEB Başkanlığı (TÜSEB) ve TÜBİTAK desteğiyle öğrenciler bursiyer olarak görev alabilirler.

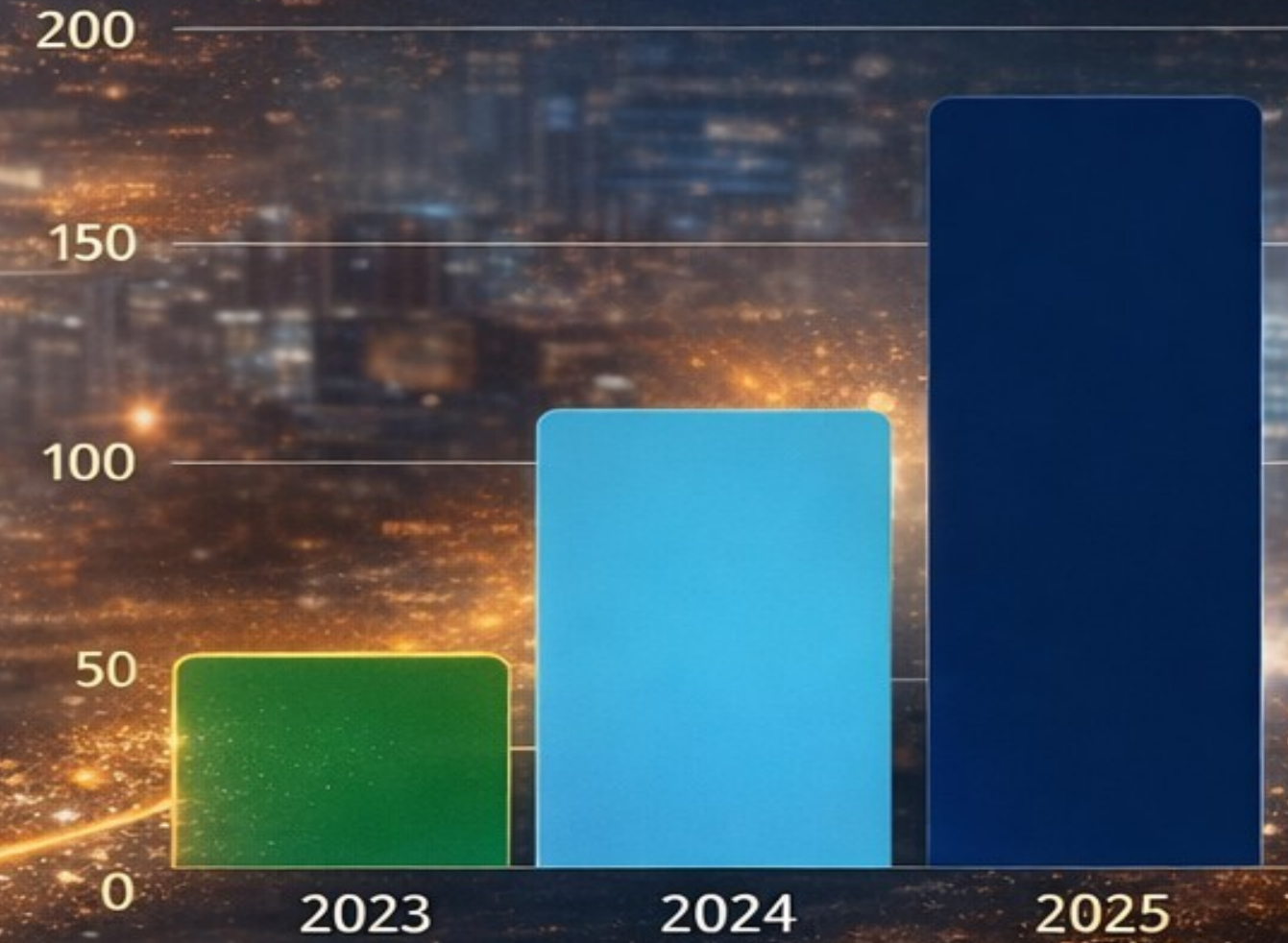
Öğrenciler:

- Projelerinde aktif görev alma,
- Deneyimlerle araştırma deneyimi kazanma,
- İşvuru ve yayın süreçlerine dahil olma,
- Öğrenciler için önemli bir deneyim elde etme fırsatıdır.

TÜSEB projelerinde aktif olarak görev alan öğrencilerin kariyerleri için önemli fırsatları sağlamaları ve bu süreçten yararlanabilmektir.

Numbers of Student Projects

● 2023 ● 2024 ● 2025



Yeditepe University Student Technology Club *Launched in 2025*



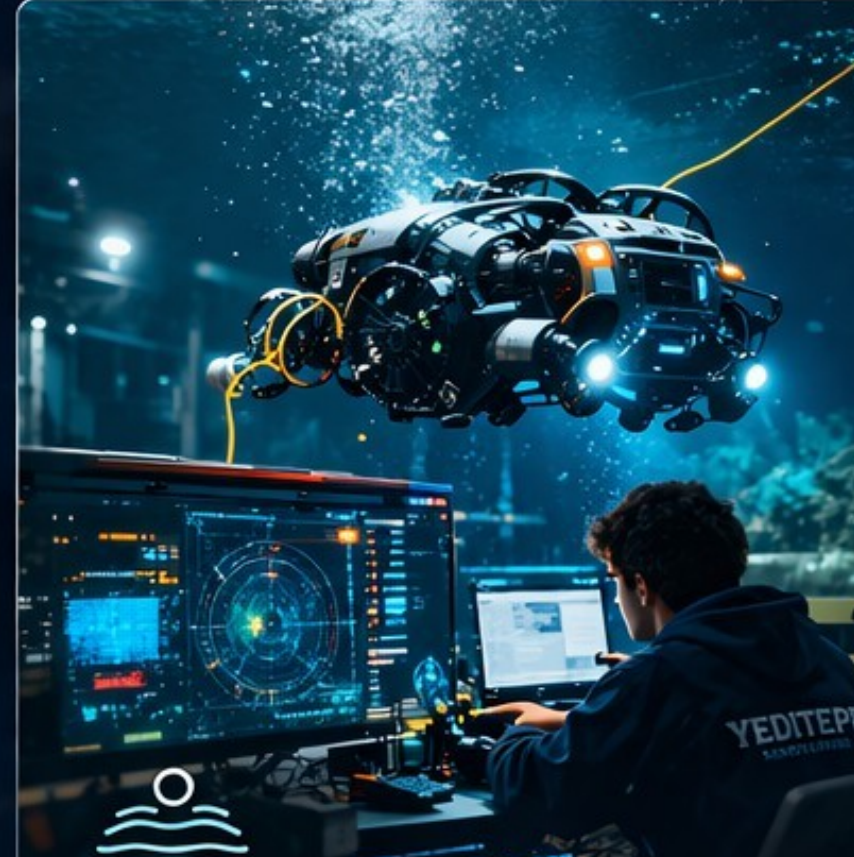
SEVEN RACING SUB-COMMUNITY (AUTOMOTIVE)

Academic Advisor
Asst. Prof. Ali Fethi OKYAR



UNMANNED AERIAL VEHICLE SUB-COMMUNITY (ZAFER TEAM)

Academic Advisor
Asst. Prof. Derya ÇOKSAKER



UNMANNED UNDERWATER VEHICLES SUB-COMMUNITY




Academic Advisor
Hasan Selami Arif BODUR



RAIL SYSTEMS SUB-COMMUNITY (HYPERLOOP)

Academic Advisor
Dr. Bünyamin EŞİYOK

Members of the Board

-  Furkan YILMAZTEKİN — SEVEN RACING SUB-COMMUNITY
-  Fatih Eren CANTEKİN — UNMANNED AERIAL VEHICLE SUB-COMMUNITY
-  Fırat DURMUŞ — RAIL SYSTEMS SUB-COMMUNITY



Academic Advisor of the Club
Asst. Prof. Onur Cem NAMLI



R&D investment based ranking

The table of internal and external R&D expenditures (Table 17-B), which is included in the annual YÖK Foundation Universities Regular Inspection Report, is prepared in coordination with Financial Affairs, Human Resources, and other relevant units. Furthermore, this data is compiled and submitted to YÖK on a quarterly basis.

According to the YÖK 2025 University Monitoring and Evaluation Report, our university ranked 6th in the ratio of R&D expenditures within the investment budget.

		Bütçe Oranı
100.0	Piri Reis Üniversitesi	
100.0	Çağ Üniversitesi	100,0
83.1	Antalya Belek Üniversitesi	83,1
79.3	Bezm-i Âlem Vakıf Üniversitesi	79,3
74.2	Istanbul Kültür Üniversitesi	74,2
74.2	Istanbul Kültür Üniversitesi	74,2
65,5	Yeditepe Üniversitesi	65,5
60.0	Anadolu Üniversitesi	60,0
54,5	Orta Doğu Teknik Üniversitesi	54,5
50,9	Munzur Üniversitesi	50,9
50,1	Lokman Hekim Üniversitesi	50,1
30,2	Kocaeli Üniversitesi	30,2

Şekil B.122.5 Yatırım bütçesinden Ar Ge'ye harcanan bütçe oranının en yüksek olduğu üniversiteler

Universities of the Founders of Startups That Secured Investment in 2024

Universities of the Founders of Startups That Secured Investment in 2024

	Universite	Lisans	Yüksek Lisans	Doktora	Toplam +
1.	Orta Doğu Teknik Üniversitesi	45	18	6	69
2.	Boğaziçi Üniversitesi	42	13	2	57
3.	Istanbul Teknik Üniversitesi	34	13	6	53
4.	Koc Üniversitesi	21	4	4	29
5.	Anadolu Üniversitesi	23	0	0	23
6.	Istanbul Üniversitesi	16	3	1	20
7.	Yıldız Teknik Üniversitesi	13	9	2	24
8.	Yıldız Teknik Üniversitesi	13	9	2	24
8.	Yeditepe Üniversitesi	9	7	1	17
9.	Bahcesehir Üniversitesi	13	4	0	17
10.	Sabancı Üniversitesi	10	9	0	19
11.	İzmir Yıkçek Teknoloji Üniversitesi	8	5	2	19
12.	Istanbul Bilgi Üniversitesi	9	7	0	16
13.	Galatasaray Üniversitesi	7	3	0	10
14.	Yaşar Üniversitesi	6	4	0	10
15.	TOBB Ekonomi ve Teknoloji Üniversitesi	6	4	0	10
16.	Hacettepe Üniversitesi	2	0	3	5



PATLIB Yeditepe Üniversitesi

PATLIB Yeditepe Üniversitesi

Level 1'den **Level 3'e**

LEVEL 1
(2024)

- ✓ IP Bilgilendirme
- ✓ Erişilebilirlik

LEVEL 3
(2025)

- ✓ En Üst Seviye
- ✓ Patent & Araştırma
- ✓ Ekonomik Değerlendirme
- ✓ Uluslararası PATLIB Ağı

AVRUPA PATENT (EP) TESCİLLERİ

★ SABANCI ÜNİV.	40
★ KOÇ ÜNİV.	36
★ ÖZYEĞİN ÜNİV.	29
YEDİTEPE ÜNİV.	26

ABD (US) PATENT TESCİLLERİ

★ SABANCI ÜNİV.	42
★ KOÇ ÜNİV.	38
İTÜ	38
YEDİTEPE ÜNİV.	31



YEDİTEPE ÜNİVERSİTESİ TEKNOLOJİ TRANSFER OFİSİ,
1602 TÜBİTAK PATENT DESTEK PROGRAMINA KATILARAK
2,5 MİLYON TL DESTEK ALDIK!

YEDİTEPE ÜNİVERSİTESİ'NE
2,5 MİLYON TL TÜBİTAK DESTEĞİ!

TÜBİTAK 1602 - Patent Destek Programı
İrpsamında Yeditepe Üniversitesi Teknoloji Transfer Ofisi
Bensiz Değerli araştırmacılarımız için TOBB.
destek almaya hak kazandı.



1602



Yeditepe University Wins First Place at ICAO World AI Innovation Competition

Project:

AI-Powered Air Traffic Controller Guidance and Support System

About ICAO:

The International Civil Aviation Organization (ICAO), a United Nations agency based in Montreal, Canada, with 193 member states, sets global standards for aviation safety.

Competition:

The annual Innovation Competition encourages the development of innovative ideas to enhance safety in aviation.

OUR ACHIEVEMENTS!

At National Competition (Tubitak, TUSEB, Teknofest, take off...)



End-to-End R&D Ecosystem

Three Physical Spaces, An Unified Ecosystem

RESEARCH CENTERS
and
VENTURE STUDIO
“Incubation Center”
Yeditepe University
Technology Base



IDEALAB
“Pre-Incubation Center”
Yeditepe University 26
August Campus



ACTIVITY CENTER
“Event Tent”
Yeditepe University 26
August Campus



Establishing Future-Focused R&D and Innovation with strategic Partners



Venture Studio

- From Idea to Global Support and Co-Founding (Venture Studio/Building)
- Students, Academics, Industry and Investors Collaborate

Information Technologies & AI Application Research Center

- Partnership with Fraunhofer, Germany and IIB, Germany
- AI Solutions for Industry
- International R&D and Corporate Projects

Carbon Solutions Laboratory

- ISTKA-Supported TÜBİTAK Project
- Carbon Footprint, Energy, and Industrial Transformation
- Sustainability-Focused R&D Activities



Strategic Collaboration Signed with Fraunhofer IIB at Stuttgart Future Work

Yeditepe University Technology Transfer
Office Initiates ~5M TRY R&D Project
with KIT

Project Development and Clinical Trial
Preparation of a 3D Ultrasonic
Computed Tomography Device sfor Breast
Cancer Detection in Turkey

Dijital dönüşüm, yapay zeka ve insan odaklı üretim sistemleri alanlarında uzman Fraunhofer Enstitüsü ile stratejik iş birliği anlaşması imzaladık.



Academia–Industry Collaboration Projects

International R&D and
Corporate Activities

Official Opening with
International Participation
in March

Artificial Intelligence Research Center's Mission and Approach



Research & Innovation Conducting

- Conducting interdisciplinary research industrial AI, Industry 4.0, digital twin
- Bridging advanced technologies with real-world applications



University-Industry Collaboration

- Developing strategic projects with national and international partners
- Strengthening collaboration between academia and industry

Strategic Impact

- Creating value-driven solutions in sustainability, green transformation, and energy efficiency
- Supporting resource optimization and competitive advantage



Together, we are shaping the future of digital and sustainable transformation in industry,

Made in EU: A Strategic Opportunity



New Market Access

The European Commission's 'Made in EU' approach opens unprecedented opportunities for Turkish exporters through Customs Union agreements.

Competitive Advantage

Products from Turkey can achieve EU-origin status under certain conditions, enabling entry to the European market with prestigious 'Made in EU' label.

Triple Transformation

Digitalization, green transformation, and social transformation are essential to maintain competitive advantage in this new regulatory landscape.

Leveraging Turkey's strategic position through EU partnerships and transformation.

AI Project 1: Horizon-WIDERA-2025-01

A Widening Excellence Project for AI-Driven Sustainable Supply Chains



This European Excellence Initiative (EEI) represents a comprehensive effort to transform supply chain management through artificial intelligence in critical industrial sectors, positioning Turkey at the forefront of sustainable manufacturing innovation.

AI Project 2: Erasmus+ KA220-ADU

Upskilling SME Managers in Digital, Sustainable Supply Chain and Cost Management

Project Consortium

- Yeditepe University (Coordinator) Türkiye
- Turkish Exporters Assembly (Partner) Türkiye
- HA-TEC System GmbH (Partner) Germany
- Adente Ileri Mühendislik Tekn. A.Ş. (Partner) – Türkiye
- Metallic Engineering Solutions (Partner) – Spain

Project Budget

£400K



Months Durations

24



YEDITEPE UNIVERSITY



VENTURE STUDIO



Too Busy for Improvements?

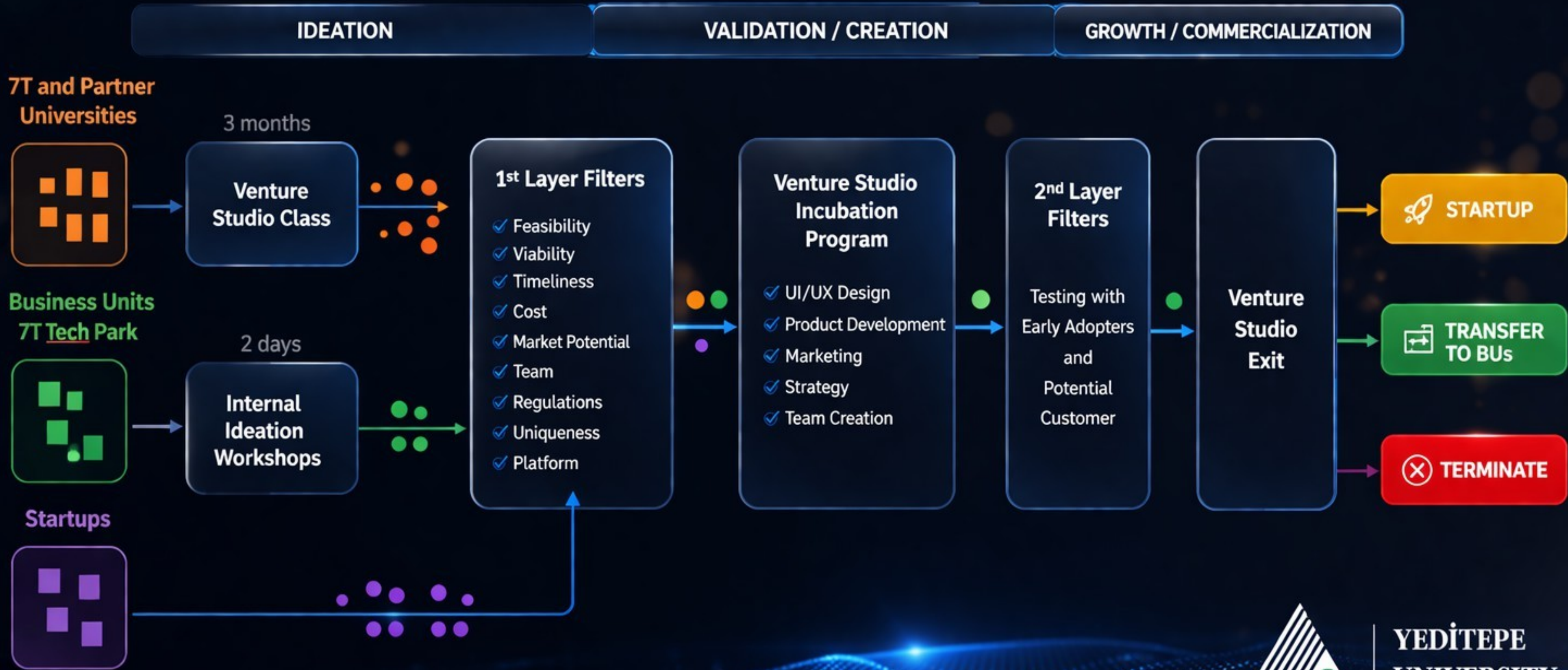
I have something that will help!

We don't need that.

We're too busy!



Yeditepe Venture Studio Innovation Model





New IDEA YEDİTEPE DEMO DAY

- 168 ideas /teams have competed in total
- 403 entrepreneurs have been supported
- 30 mentors have provided guidance
- Training sessions were delivered in 10 different topics



BİLİŞİM GENEL HABERLER TEKNOLOJİ

Fikirden pazara yeni nesil girişimcilik modeli

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Yeditepe Üniversitesi, fikir aşamasından ticarileşmeye uzanan yemian'nesi nesli bir teknolojik girişimcilik modeli geliştirdi. Model, kampüs içindeki ideaLab ile Teknopark İstanbul'daki



TÜBİTAK 1812

Investment-Based Entrepreneurship Support (BIGG)

Results of the Phase 1 Announced!

- Our project to develop and implement a priority-based entrepreneur training and acceleration mechanism focused on health, artificial intelligence, and engineering for the entrepreneurs of the future has been approved!



YEDİTEPE
UNİVERSİTESİ



T.C.
T.C. MİLLÎ EĞİTİM
BAKANLIĞI
UNİVERSİTESİ



T.C. SANAYİ VE
TEKNOLOJİ BAKANLIĞI



Carbon Solutions Laboratory

IDECC-TT Project: Industrial Decarbonization – AI based solution
(12M TL Funded by Istanbul Development Agency)

Regulatory Compliance:
CBAM & CSDDD Alignment

Global Competitiveness:
Protecting EU Market
Presence

Twin Transition:
Digital & Green Integration

CARBON

The IDECC-TT project aims to reduce carbon emissions in the Turkish industrial sector by integrating digital and green transformation. It focuses on developing carbon calculation tools, ensuring compliance with EU Green Deal regulations, and providing AI-powered consultancy. The project involves collaborations between academia, industry, and public sectors to achieve widespread sustainable transformation.



YEDİTEPE
UNIVERSITY

30th year



İSTANBUL
HALKINMA
AJANSI

IMPLEMENTATION ARCHITECTURE

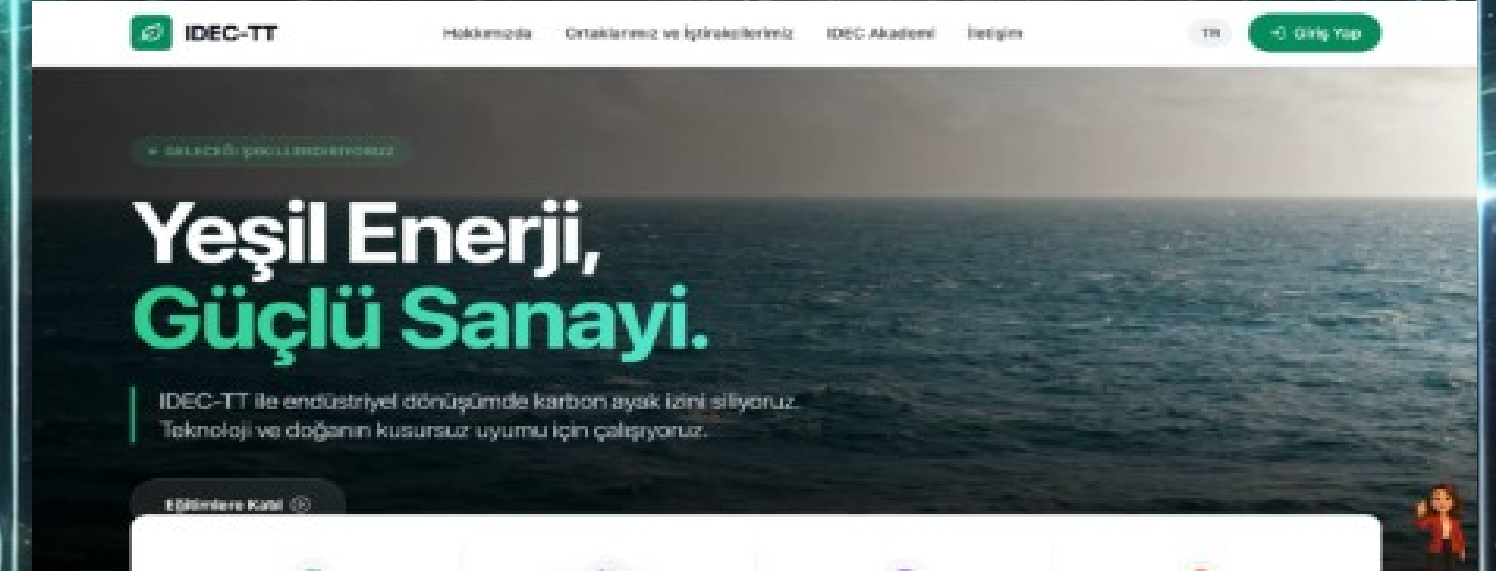
400+
CERTIFIED
PROFESSIONALS

CarbonBot:
AI-based 24/7 interactive
decision support system
for carbon management.

GreenTim & Goal:
ISO 14064-1
compliant carbon
calculation and
reporting tools.

Digital Library:
The most comprehensive
decarbonization database
for Turkish industry.

Twin Services:
Practical twin transition
services for industrial
operational excellence.



Training Curriculum

EU Green Deal
& Paris
Agreement

Green Finance &
Renewable
Energy

Sustainability
Reporting
(TSRS)

Product Design
(LCA)

ISO 14064-1
Standards & Reporting

Circular Economy
& 4R Principles

THANKS TO ALL OF OUR PARTNERS!

