

IMU SDG PROGRESS REPORT

on **SDG-9 INDUSTRY, INNOVATION AND INFRASTRUCTURE**



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

The icon for SDG 9, which consists of three white-outlined cubes stacked in a 2x2x1 arrangement on an orange background.

1 NO POVERTY 	2 ZERO HUNGER 	3 GOOD HEALTH AND WELL-BEING 	4 QUALITY EDUCATION
5 GENDER EQUALITY 	6 CLEAN WATER AND SANITATION 	7 AFFORDABLE AND CLEAN ENERGY 	8 DECENT WORK AND ECONOMIC GROWTH
10 REDUCED INEQUALITIES 	11 SUSTAINABLE CITIES AND COMMUNITIES 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	13 CLIMATE ACTION
14 LIFE BELOW WATER 	15 LIFE ON LAND 	16 PEACE, JUSTICE AND STRONG INSTITUTIONS 	17 PARTNERSHIPS FOR THE GOALS

SDG PROGRESS REPORT

ISTANBUL MEDENIYET
UNIVERSITY

**Istanbul Medeniyet University
Sustainability Office**

Kuzey Kampüs BİLTAM No: 508, Unalan Mah. Unalan Sok. D-100
Karayolu Yanyol 34700 Usküdar/Istanbul/TURKEY



<https://sdg.medeniyet.edu.tr>
@surdurulebilir_imu

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Coordinated by
Prof.Dr. Yaşar BÜLBÜL

Written by
Res.Asst. Ayça ÇELİKBİLEK
Res.Asst. Furkan ERUÇAR
Lecturer Zehra SAVAN

Designed by
Res.Asst. Ayça ÇELİKBİLEK

SDG Icons
<https://www.un.org/sustainabledevelopment/news/communications-material/>
Sustainable Development Report Maps
<https://dashboards.sdgindex.org/map/>
SDG Statics
<https://unstats.un.org/sdgs/report/2025/>
<https://sdgs.un.org/goals>

FOREWORD

The 17 Sustainable Development Goals adopted by the United Nations in 2015 with the mission statement “a blueprint to achieve a better and more sustainable future for all people and the world by 2030” have become guiding principles for all of us as countries, institutions, and individuals today. In this context, the new vision for universities has now shifted from the older scholastic concept of education solely oriented toward professional training to an understanding that prioritizes human and social responsibility. Therefore, universities are central to the achievement of sustainable development goals. Thus, as İstanbul Medeniyet University,

We always consider sustainable development goals in our university’s high-level strategies, organize our management and implementation processes in line with these principles, and follow up on our activities and process of sustainability through reports for continuous improvement. **(OPERATIONS)**

While we help our students gain professional and personal skills and qualifications, we are raising future leaders, decision-makers, entrepreneurs, teachers, and more importantly, individuals with the awareness of creating a better world through the sustainability trainings we include in our course contents. **(LEARNING)**

We carry out a wide range of activities and events to share our knowledge, experience, and best practices about the implementation of SDGs with our students, staff, and local community with the ultimate aim of building a more conscious society. **(EVENTS)**

In 2022, IMU Sustainability Office was established to assume the role to place “Sustainable Development Goals” in the center of our institutional practices, educational planning, and research activities and to lead toward the realization of these goals. IMU Sustainability Office plays a significant part in developing our institutional strategies for SDGs, planning and carrying out our related activities and reporting on our progress. In addition to its contribution to institutional development, the Office also organizes public training programs and workshops.

Our Sustainability Office has planned to create annual sustainability development goals progress reports that will include all the goals and all areas of activity of our university so that we can see our progress in achieving SDGs to create new and better strategies and the report you are reading has been issued for the year 2025 as a result of these efforts. I thank everyone who have contributed to the creation of the report and especially Res.Asst. Ayça ÇELİKBİLEK, Res.Asst. Furkan ERUÇAR, and Lect. Zehra SAVAN who have edited and published all the content for our SDG website and our reports. I hope that our efforts will inspire new ideas, actions, and collaborations to take action for a more sustainable and livable future.

Prof. Dr. Yaşar BÜLBÜL

Vice-Rector and Sustainability Office Coordinator
İstanbul Medeniyet University

The Times Higher Education Impact Rankings, which assesses the contribution of universities around the world to sustainable development goals, has been an important source of motivation for us to see our place in the world and measure our contribution with all the activities we carry out for sustainable development as a higher education institution. As Istanbul Medeniyet University, we were included in THE Impact Ranking for the first time in 2021 by applying with only 4 SDGs, while we applied with 11 SDGs for 2024, being ranked 601-800 in the global ranking. The table below shows IMU's continued rise on this ranking.

Sustainable Development Goals	THE Impact Rankings 2025	THE Impact Rankings 2024	THE Impact Rankings 2023	THE Impact Rankings 2022	THE Impact Ranking 2021
General Ranking	401-600	601-800	801-1000	1001+	1001+
SDG 1 No Poverty	801-1000	601-800	601-800	-	-
SDG 2 Zero Hunger	301-400	301-400	401-600	401+	301-400
SDG 3 Good Health and Well-being	401-600	301-400	301-400	401-600	401-600
SDG 4 Quality Education	801-1000	1001-1500	801-1000	801-1000	601-800
SDG 5 Gender Equality	1001-1500	801-1000	801-1000	-	-
SDG 8 Decent Work and Economic Growth	601-800	401-600	401-600	401-600	-
SDG 9 Industry, Innovation and Infrastructure	601-800	801-1000	601-800	601+	-
SDG 10 Reduce Inequalities	401-600	401-600	401-600	401-600	-
SDG 11 Sustainable Cities and Communities	401-600	601-800	401-600	601+	-
SDG 12 Responsible Consumption and Production	101-200	201-300	201-300	-	-
SDG 15 Life on Land	101-200	-	-	-	-
SDG 17 Partnerships for the Goals	301-400	401-600	601-800	1001+	601-800

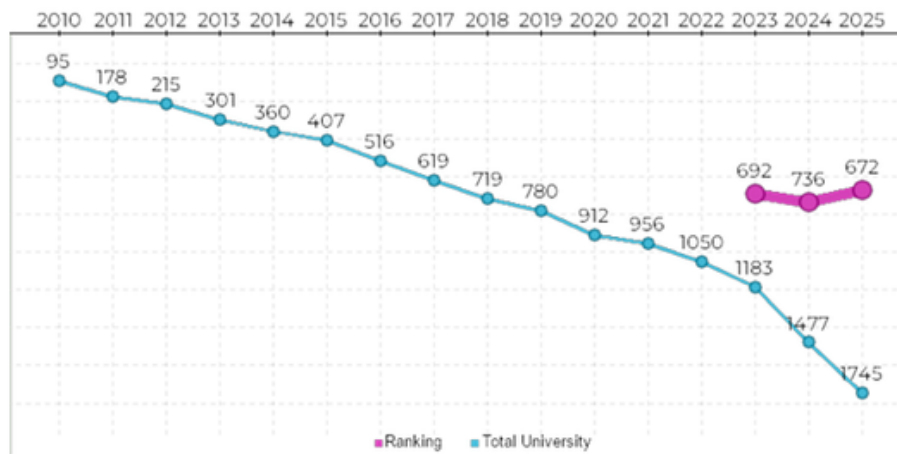
Another international index that assesses universities' performance in the field of sustainability is UI GreenMetric, which was launched by the University of Indonesia in 2010 and has since become the world's leading ranking for green campuses and environmental sustainability.

Participating in the UI GreenMetric World University Rankings for the third time in 2025, Istanbul Medeniyet University ranked 672nd out of 1,547 universities worldwide and 72nd out of 142 universities nationally.

IMU achieved full marks in the "Waste" category – one of the six categories assessing universities' environmental initiatives – and was among the 33 universities worldwide to achieve first place in this category.

Following the Waste category, in which we ranked first both globally and in Turkey, our University achieved its second-best result in the "Water" category, scoring 737.5 out of 1,000 to rank 477th globally and 43rd in Turkey.

In the Education and Research category, our University scored 1,362.5 out of a possible 1,800, placing 501st globally and 50th in Turkey.



UI GreenMetric World University Rankings History Diagram

World Ranking	SI Ranking	EC Ranking	WS Ranking	Country Ranking	SI Ranking	EC Ranking	WS Ranking
672	1464	1002	33	72	129	89	5
WR Ranking	TR Ranking	ED Ranking		WR Ranking	TR Ranking	ED Ranking	
478	1231	501		43	113	53	

9

INDUSTRY, INNOVATION AND INFRASTRUCTURE



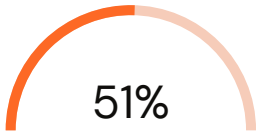


Investment in infrastructure and innovation are crucial drivers of economic growth and development. With over half the world population now living in cities, mass transport and renewable energy are becoming ever more important, as are the growth of new industries and information and communication technologies.

Technological progress is also key to finding lasting solutions to both economic and environmental challenges, such as providing new jobs and promoting energy efficiency.

Promoting sustainable industries, and investing in scientific research and innovation, are all important ways to facilitate sustainable development.

More than 4 billion people still do not have access to the Internet, and 90 percent are from the developing world. Bridging this digital divide is crucial to ensure equal access to information and knowledge, as well as foster innovation and entrepreneurship.



global population
rate with access to
5G connectivity in
2024

2,6 GT
CO₂

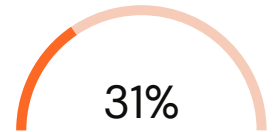
emissions prevented
through solar, wind,
nuclear energy,
electric vehicles, and
heat pumps

17,3%

global
manufacturing value
added per capita
rose by 16% from
2015 to 2024

1,934
\$

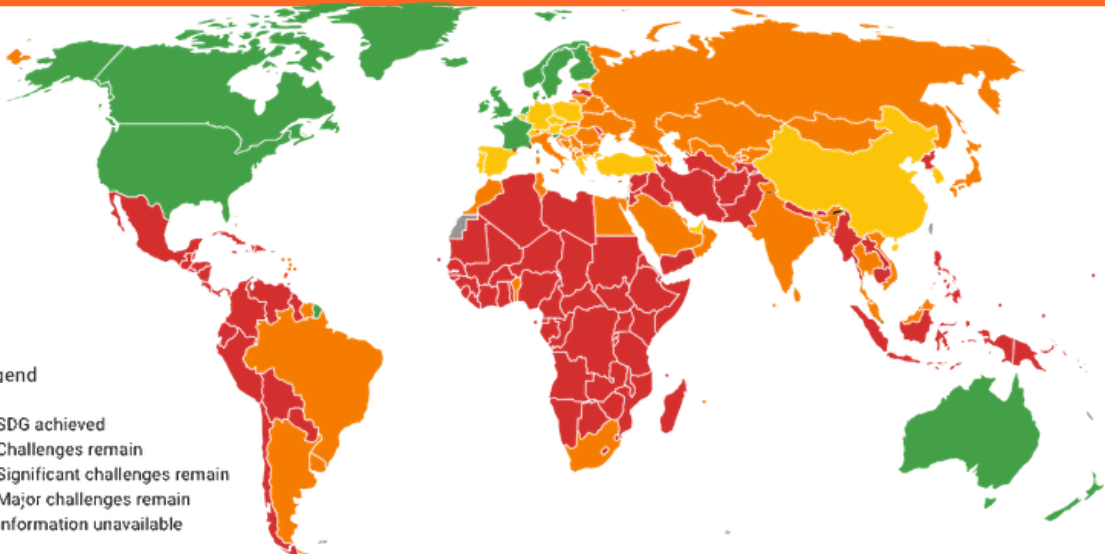
global MVA
per capita in 2024



of small manufacturing
businesses worldwide
using loans or lines of
credit

Legend

- SDG achieved
- Challenges remain
- Significant challenges remain
- Major challenges remain
- Information unavailable



601-800

"Industry, Innovation and Infrastructure " category
2025 ranking



3

number of patent applications
filed in 2025



53

number of university spin-offs
in 2025



“

74%
CAPACITY

occupancy in IMU Technopark's
operations in 2025

”

7,564,847

TURKISH LIRAS

research income from
STEM and Medicine

”



“

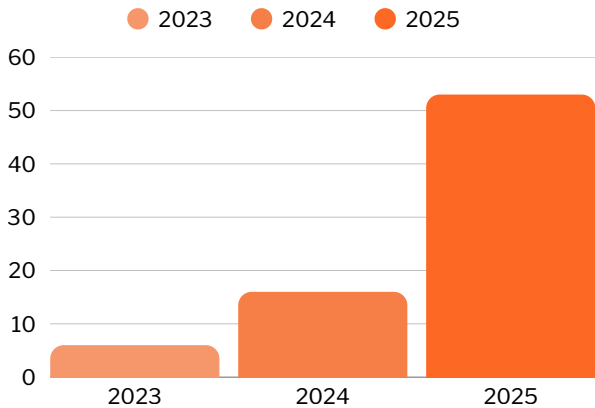
137
PEOPLE

number of the academic staff in
the STEM field

”



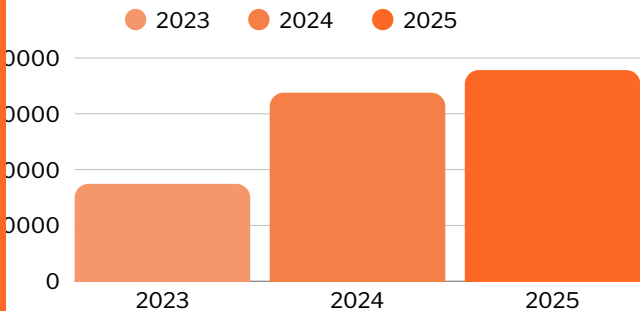
Number of University Spin-offs



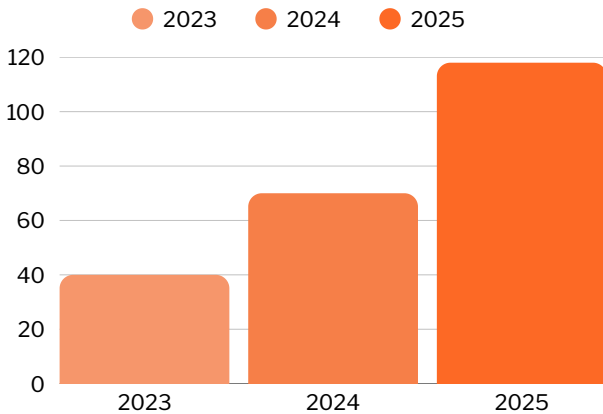
The number of spin-offs has shown remarkable growth, increasing from 6 in 2023 to 53 in 2025. This represents an impressive **783%** increase, underscoring the university's accelerating innovation capacity and its strengthening ecosystem for transforming research into high-impact entrepreneurial ventures.

The research income IMU earned from industry and commerce increased from TRY 6,755,557 in 2024 to TRY 7,564,847 in 2025, representing an **11.98%** increase in research income.

Research Income from Industry and Commerce (TRY)



Number of Firms in IMU Technopark



The number of firms in IMU Technopark has grown from 40 in 2023 to 118 in 2025, representing a remarkable **195%** increase in its innovation capacity. This strong upward trend highlights the technopark's expanding ecosystem and its increasing role in supporting technology-driven development.

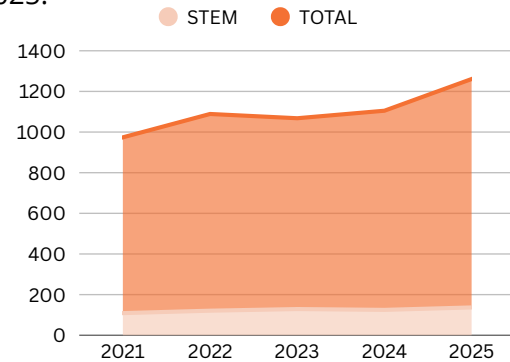
OPERATIONS

Istanbul Medeniyet University is committed to the mission of being an innovative and entrepreneurial world university that adds universal values to science, technology, and art. Founded on the five pillars of 'Innovative,' 'Entrepreneurial,' 'Society- and Civilization-Oriented', 'International', and 'Research-Oriented', our University has a **Technopark** to carry out its innovation activities; a **Technology Transfer Office**; an **Incubation Center**; **18 application and research centers**; **2 research laboratories**, **6 service laboratories** and **30 R&D laboratories** within the **Science and Advanced Technologies Research Center**; and **5 department laboratories** operated by our departments.

IMU **Scientific Research Projects Coordination Unit (BAP)** is in charge of selecting the scientific research projects, dissertation projects, and other projects conducted by our faculty members, to carry out the secretarial work for and finalizing the procedures for these projects, and to provide funds for scientific research projects. In this context, a total of **47 scientific research projects** were started to be supported in 2025 with total funding of 1,876,288 TRY. Our BAP unit also informs our researchers about the projects supported by different institutions such as TUBITAK and ISTKA projects, EU Grant Projects, the projects supported by the Ministries of Youth, Culture, and Development, and SANTEZ projects and coordinates all the projects receiving support from other institutions.

Istanbul Medeniyet University has a **Technology Transfer Office (TTO)** which is in charge of licensing the technologies developed and produced within the institution and securing industrial collaboration. TTO carries out activities to protect and coordinate the intellectual properties developed by our faculty members, students or researchers and promotes the intellectual properties and technological products owned by the institution so that they can reach more users for further improvement.

While our total number of academic staff increased by 29.36% from 865 to 1,124, the number of academic staff working in STEM fields also increased by 25.69%, rising from 109 to 137 in 2025.



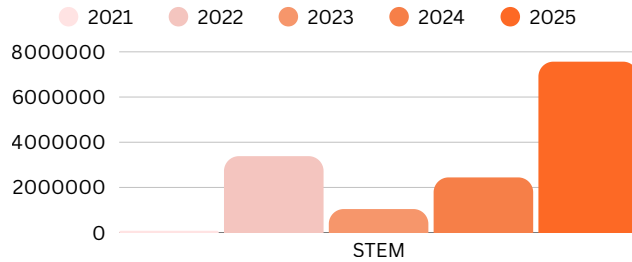
Number of Academic Staff between 2021-2025

As a result of the academic studies conducted by our academic staff members, **3 patent applications were made in 2025.**

1,876,288 ₺
FUND
 given to our academic staff
 for their research projects in 2025

OPERATIONS

The **research income** IMU earned from **industry and commerce** in 2025 amounted to TRY 7,564,847. STEM-related activities demonstrated a strong overall upward trend between 2021 and 2025. The figure increased from 82,800 in 2021 to 7,564,847 in 2025, despite fluctuations in the intervening years. The substantial increase recorded in 2025 highlights the significant expansion of STEM-related engagement and activities.



Research Income from Industry and Commerce between 2021- 2025

Istanbul Medeniyet University has a technopark that serves firms using or working on advanced technologies. In **IMU Technopark** located both in Tuzla/ Akfırat and Göztepe North Campus areas, companies develop technologies or software; transform their technological inventions into commercial products, methods or services and thereby contribute to regional development. With a capacity occupancy of 74%, IMU Technopark houses 118 firms.



IMU Technopark

Istanbul Medeniyet University has an **incubation center** that supports all entrepreneurs and chiefly our students and academic staff members who would like to start their own business. IMU incubation center helps people gain the practical knowledge and skills required for this process and provides entrepreneurs with business ideas with entrepreneurship training programs, consulting support, office space, infrastructure services, and meeting halls.

Istanbul Medeniyet University **Laboratory Animal Facility (DEHAL)** was established within the body of our university's Science and Advanced Technologies Research Center (BİLTAM) in order to provide the husbandry and breeding services of laboratory animals needed in the fields of scientific research, testing and training in accordance with national and international standards. DEHAL, as a unit licensed by the Ministry of Agriculture and Forestry in the fields of research, breeding, use and procurement, provides high quality in vivo research infrastructure to academia and R&D institutions within the framework of legislation and ethical principles. All studies to be carried out within DEHAL are subject to the approval of IMU Animal Experiments Local Ethics Committee (HADYEK).



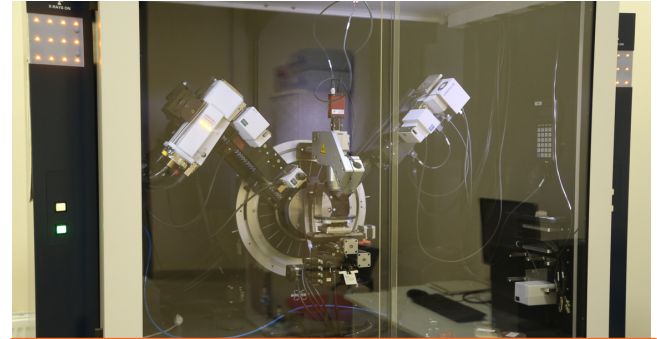
Experimental Animals Application and Research Laboratory

İMÜ Tobacco and Tobacco Products Analysis, Research and Development Laboratory was established according to the collaboration protocol between the Tobacco and Alcohol Department of the Ministry of Agriculture and Forestry and Istanbul Medeniyet University. In the world and in our country, the usage of tobacco and tobacco products is widespread and it has also become one of the most important public health problems due to the negative effects of the substances in its smoke on human health. In this laboratory, analyses are carried out during the production, export, import, and marketing of tobacco products. Our laboratory aims to contribute to the country's economy by ensuring that the analyses previously made abroad are carried out in the country. The internationally accredited laboratory also has the capacity to meet the analysis demands from abroad. The fact that the laboratory has been established within the university allows it to contribute to the research and development of existing tobacco and tobacco products analysis techniques.



IMU Science and
Advanced Technologies Research Center

IMU BILTAM houses **6 service laboratories** that offer analysis, measurement, imaging, and equipment services for our academic staff members and students as well as for all researchers. Institutions or researchers can fill in a request form to have their analyses made; to perform their own analyses using the devices and 41 pieces of equipment provided or to attend the analyses performed as observers.



XRD (BRUKER D8 DISCOVER) Analysis Device

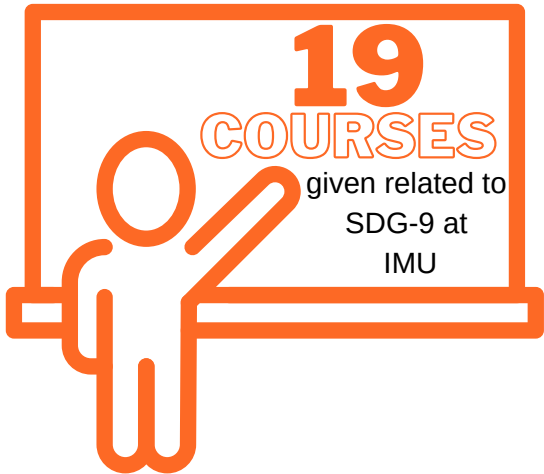
Istanbul Medeniyet University collaborates with numerous public institutions, research institutions, universities, local schools, and NGOs toward numerous goals that would help us achieve the objective of building resilient infrastructure, promoting inclusive and sustainable industrialization and fostering innovation.

IMU was authorized by Huawei as a **Certified Huawei ICT Academy**, officially becoming part of Huawei's internationally recognized information and communication technologies education network. Through the Huawei ICT Academy, students and academic staff will have access to advanced technical training, industry-recognized certification opportunities.

LEARNING

Learning processes are key in achieving SDGs. Thus, universities play a critical role both by training professionals who will prioritize SDGs in their future practices and by increasing local, national, and global capacity to successfully achieve SDGs. As Istanbul Medeniyet University, we are aware of our critical role and therefore, we primarily inform our students, the leaders and decision-makers of the future, about the Sustainable Development Goals through course contents, co-curricular activities and student club activities and strengthen their awareness. For this purpose, each of our faculties and departments prepares SDG-related course contents, including courses that address the Sustainable Development Goals holistically, as well as specific contributions that can be made by the expertise of the relevant professional field in which they provide training. In 2025, 19 bachelor degree courses related to SDG-9 were given at IMU. Some of these are listed below.

Faculty	Course
Education Sciences	GNK062 - Innovation and Entrepreneurship
Engineering and Natural Sciences	END407 - Production Information Systems
	BYM416 - Micropollutants, Treatment and Effects on Human Health
Health Sciences	HEM113 - Health and Technology
Political Sciences	İŞL323 - Entrepreneurship and Small Business Management
	İŞL434 - Enterprise Resource Planning
Tourism	TİŞ407 - Entrepreneurship and Innovation
All- Elective	IMU053 - Innovation and Entrepreneurship IMU071- Introduction to Sustainability



On 24 January 2025, Medeniyet Technopark hosted the **“UiPath Community Day Istanbul: Creating the Future with Agentic Automation”** bringing together technology professionals, automation experts, industry representatives and members of the innovation ecosystem at Istanbul Medeniyet University.

As the first in-person event organised by the UiPath Community in Türkiye, the event provided an important platform for knowledge exchange, technological collaboration and networking in the rapidly developing fields of artificial intelligence (AI), robotic process automation (RPA) and agentic automation. Participants had the opportunity to explore emerging technologies and innovative solutions that are contributing to the digital transformation of industries and business processes.

Technical sessions focused on the evolution of the UiPath Business Automation Platform and emerging technologies, including the integration of generative AI, automation technologies, robots and AI agents. Experts also shared experiences and best practices from real-world automation projects, addressing challenges, innovative solutions and strategies for improving operational processes through digital technologies.

The event further explored the potential of Agentic AI and intelligent automation to optimise and accelerate business processes. Industry experts presented innovative applications demonstrating how AI-supported automation can enhance productivity, strengthen technological capabilities and support the

development of more efficient and resilient business systems.

Examples of AI-supported automation projects and citizen developer models were also presented, highlighting the importance of accessible innovation, strong digital infrastructure and collaborative technology ecosystems in accelerating innovation. These discussions demonstrated how organisations can expand their innovation capacity by enabling wider participation in the development and implementation of digital solutions.

By bringing together academia, technology communities and industry professionals, the event contributed to strengthening industry-academia collaboration, promoting the exchange of technological knowledge and supporting the adoption of advanced digital technologies. Through its focus on artificial intelligence, automation and innovative digital infrastructure, the event contributed to the development of a more innovative, technologically capable and resilient ecosystem.



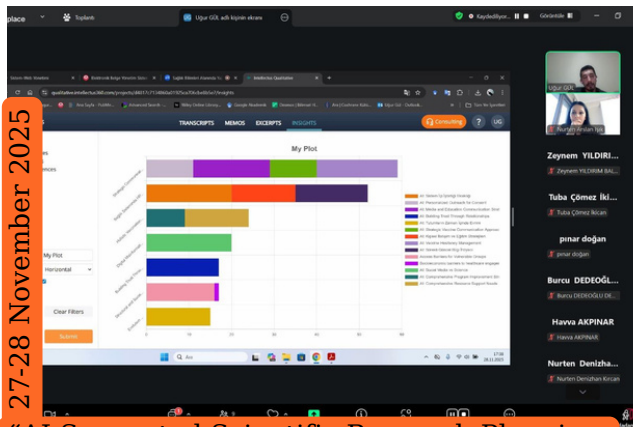
“UiPath Day Istanbul” Event

EVENTS

IMU

On 27-28 November 2025, Istanbul Medeniyet University organised the online training programme **“AI-Supported Scientific Research Planning, Reporting and Publishing in Health Sciences: Applied Training Programme”**.

The programme aimed to strengthen research and innovation capacity by supporting the integration of artificial intelligence (AI) and digital technologies into scientific research processes in the health sciences. The programme attracted high demand from faculty members across universities in Türkiye, demonstrating the growing need for advanced digital research skills. Delivered by academics from IMU and partner institutions in Türkiye and the United States, the programme covered AI applications in scientific research, literature review, research reporting, ethical AI use, data analysis, reference management, journal selection and scientific revision, complemented by practical workshops. By facilitating technology-enabled knowledge transfer, digital capacity building and the adoption of emerging technologies in research, the programme contributed to strengthening the research and innovation ecosystem.



“AI-Supported Scientific Research Planning, Reporting and Publishing in Health Sciences: Applied Training Programme” Event

Istanbul Medeniyet University hosted the panel **“Is Domestic Engine Production Possible in Türkiye?”** on 25 December 2025 at the Aşık Paşa Conference Hall, Göztepe South Campus, bringing together academics and industry experts to discuss the future of the automotive industry, domestic manufacturing opportunities and strategic technological developments in engine design and production. The event focused on strengthening Türkiye’s industrial capacity, technological capabilities and innovation potential in strategically important sectors.

The panel highlighted the importance of research and development (R&D), advanced engineering and scientific knowledge in supporting domestic production and technological independence. Discussions also addressed the strategic role of local manufacturing capacity in the automotive and defence industries, as well as the contribution of strong technological infrastructure and specialised human capital to industrial development.



“Is Domestic Engine Production Possible in Türkiye” Event

Students from the Science and Engineering Community (BMT) of IMU are contributing to technological innovation and sustainable mobility through the development of their hydrogen-powered vehicle. For the third consecutive year, the BMT HidroCar Team has designed and developed a new hydrogen-powered vehicle, combining previous experience with new engineering solutions.

The project was developed through student-led research and development activities, with the aim of producing a lighter, more efficient and more durable vehicle. The team worked across multiple technical areas, including material selection, aerodynamic design, electronic control systems and software infrastructure, demonstrating the application of interdisciplinary engineering knowledge to a real-world technological challenge.

The team presented its innovative vehicle at TEKNOFEST 2025, one of Türkiye's major technology and innovation events. Beyond participating in competitions, the project contributes to the exploration of clean energy technologies and sustainable mobility.



The Hydrogen-powered Vehicle
Designed by BMT)

A TÜBİTAK-funded research project led by Assoc. Prof.Dr. Hasan KÖTEN, has been approved under the title “Design and Manufacturing of a Next-Generation Solid Hydrogen-Fueled Internal Combustion Hydrogen Engine with High-Altitude Capability”.

The project aims to design and manufacture a next-generation hydrogen-fueled internal combustion engine using domestic technological capabilities. Consisting of approximately 1,000 components, the high-efficiency engine will be developed through the University's technology transfer support and industry collaboration, strengthening the connection between academic research and industrial innovation.

The project includes the development of high-technology components that have not previously been used in Türkiye. Its specialized alloy structure, lightweight design and high power density are intended to enable high-altitude operation while providing a low-carbon mobility technology solution.

Over the two-year project period, the production of high-value critical engine components within the University's Technopark is also planned. This approach is expected to strengthen technology transfer, university-industry collaboration and the development of high-value-added technological products, contributing to Türkiye's innovation and research ecosystem in line with SDG 9: Industry, Innovation and Infrastructure.