

BREAKTHROUGH TECHNOLOGY FOR THE VISUALLY IMPAIRED FROM IGU TTO: SMART GLASSES PROJECT HAS BEEN DEVELOPED

Istanbul Gelisim University Technology Transfer Office (IGU TTO) announced an innovative project that will make the life of visually impaired individuals easier. This system, called "Smart Glasses with Artificial Intelligence and Cyber Security Features for Visually Impaired Individuals", has advanced technological features that enable visually impaired individuals to move independently. Project has been developed by Furkan Onur, Asst. Prof. Kenan Şentürk, Asst. Prof. Serkan Gönen and Res. Asst. Tunay Acıman.

SMART GLASSES THAT REMOVE OBSTACLES

Visually impaired individuals try to perceive environmental obstacles with tools such as canes in their daily lives. However, canes/walking sticks can be inadequate, especially in obstacles above waist level. It is equipped with features such as smart glasses, camera modules, voice assistant, navigation and object detection that solve this problem. With the help of glasses, individuals can determine distances, listen to texts aloud and be aware of environmental obstacles.

TECHNOLOGY AND SECURITY IN ONE

The system not only helps the user, but is also supported by cybersecurity measures. While the mobile application allows the user to share information with his/her immediate environment, it prioritizes security with location sharing and emergency support features. Smart glasses ensure reliability by undergoing regular cybersecurity audits.

This innovative system makes everyday use easier with its lightweight frame and portable battery made from a 3D printer. The mobile application, on the other hand, offers a special experience for personal needs by staying in constant communication with the user. The voice assistant feature makes it easier for visually impaired individuals to interact with the device.

IT HAS GREAT SOCIETAL BENEFIT

This project of IGU TTO aims to increase the independence of visually impaired individuals and to increase the quality of life. The project is expected to contribute to the more active participation of people with disabilities in society.

This groundbreaking technology, which makes the daily life of the visually impaired easier, once again reveals the touching face of modern innovation. IGU TTO aims to change more lives by continuing its work in this field.

AN EVALUATION MEETING WAS HELD FOR BASIC SCIENCE EDUCATION AT IGU!

Istanbul Gelisim University held the 2024-2025 Fall Semester Basic Science Education Evaluation Meeting in the meeting room 505 of the Rectorate Building. Rector Prof. Bahri Şahin, Vice Rector for Education Prof. Nuri Kuruoğlu, Vice Rector for Research and Development Prof. Necmettin Maraşlı and academic staff conducting Mathematics, Statistics and Physics courses participated to the meeting.

The aim of the meeting was to evaluate the current status of Basic Science Education, to plan improvement studies to improve the quality of education and to listen to the opinions of academic staff.

At the meeting, the critical role of Basic Sciences in the education and training mission of universities was emphasized. While it is pointed out that basic sciences constitute a solid infrastructure for other disciplines, it is stated that the studies that need to be carried out in order to make this field more effective and useful at Istanbul Gelisim University will be started quickly.

At the meeting, the wishes, wishes and suggestions of the academic staff were listened to one by one. A solution-oriented approach was adopted especially in terms of curriculum adaptations, updating course contents, improving course materials and meeting the needs of the academic staff. A common agreement was also reached between the participants in order to increase the impact of Basic Science Education at the university and to determine the strategies that will contribute to the development of this field.

This meeting was an indication of the importance given by Istanbul Gelisim University to the field of Basic Sciences in line with its goal of improving the quality of education.

ISTANBUL GELISIM UNIVERSITY IS IN THE FINAL AT THE AWARDS ASIA 2025!

The PİRİTA-Artificial Intelligence-Assisted 3D Mapping Project, developed by Istanbul Gelisim University by making a strategic contribution to Türkiye's technological development, achieved a great success by reaching the final in the Research Project of the Year: stem category at THE Awards Asia 2025, one of the most prestigious higher education rankings in the world. With the PİRİTA project, IGU is the only Turkish Foundation University to reach the finals at THE Awards Asia 2025 organized by the UK-based international higher education rating agency Times Higher Education (THE) .

PIRITA: FROM 2D TO 3D MAPPING WITH ARTIFICIAL INTELLIGENCE

Istanbul Gelisim University (IGU), which was THE only university in Türkiye in the evaluation that 7 universities in the world were shortlisted with the "Internationalization Strategy of the Year" at THE Awards Asia in 2019, was shortlisted in the stem (Science, Technology, Engineering and Mathematics) category of the Research Project of the Year with the PİRİTA project this year. PİRİTA project is being worked under the leadership of Mustafa Sencer Kaçar, IGU TTO Manager Yahya Kemal Kıran and IGU Rector Prof. Bahri Şahin.

NATIONAL AND INTERNATIONAL SUCCESS

PIRİTA won a gold medal in the ISIF24 Patent Competition within the scope of TEKNOFEST 2024 held in Adana and represented Türkiye's power in technology production in the international arena.

IGU students, who do their long-term internships at IGU TTO, apply their knowledge and skills to the project and enable artificial intelligence to use it in areas such as 3D mapping, machine learning and image processing. PİRİTA combines high accuracy and technology using machine learning and image processing techniques instead of traditional lidar sensors. PİRİTA makes it possible to develop 3D mapping financially effectively.

THE AWARDS ASIA 2025 AWARDS CEREMONY WILL TAKE PLACE ON 22 APRIL

THE Awards Asia is considered to be one of the most prestigious awards aimed at rewarding leadership and innovative projects in higher education. While evaluations are made in 10 different categories every year, 8 universities from each category reached the final in 2025. In THE Awards Asia 2025, where 3 universities from Türkiye were shortlisted, Istanbul Gelisim University took its place as the only Turkish foundation university with its success in the Research Project of the Year: stem category.

The winners will be announced on the night of the award ceremony at THE Asian Universities Summit in Macau on 22 April 2025.

Senior executives of universities will participate in the gala to be held on behalf of the projects.

AMONG THE WORLD UNIVERSITIES: IGU IS IN THE WORLD UNIVERSITIES FIELD RANKING!

Istanbul Gelisim University (IGU) achieved a significant success at the international level by ranking in the 1001-1200 band in the Times Higher Education (THE) World Universities



Ranking in 2025. IGU has achieved another significant success in two different categories by appearing for the first time in THE World Universities Subject Rankings list. IGU succeeded in being represented in the rankings for the first time in THE World Universities Field Ranking 2025. The University was in the 601-800 band in the Business and Economics category and in the 501-600 band in the Social Sciences category.

IGU IS IN THE TOP 10 AMONG TURKISH UNIVERSITIES!

Continuing its activities with the vision of "World University", Istanbul Gelisim University, London-based international higher education rating agency Times Higher Education (THE) has achieved great success by ranking in the top 500 in the field of Research Quality in THE World Universities Ranking for 2025 and in the 1001-1200 band in the general ranking. THE World Universities Field Ranking in 2025;

In the field of Business and Economics, it was ranked 6th among the foundation universities in Türkiye, 10th in Türkiye, and in the 601-800 band in the world ranking; in the field of Social Sciences, it was ranked 3rd among the foundation universities, 5th in Türkiye, and in the 501-600 band in the world ranking. In the Communication and Media field of the Social Sciences category, it ranked 4th in Türkiye and 2nd among foundation universities.

These degrees revealed that Istanbul Gelisim University is effectively positioned not only in general rankings but also in certain academic areas and has a strong presence in these areas.

“WE ARE INCREASING OUR COMPETITIVENESS ON A GLOBAL SCALE”

Istanbul Gelisim University Rector Prof. Bahri Şahin stated the followings about the achievements of THE World Universities Ranking and THE World Universities Field Ranking:

"With our university ranking overall, it is a great source of pride for us to be included in the rankings in the fields of Business and Economics and Social Sciences for the first time this year. This achievement once again reveals our university's research capacity, quality of education and vision of internationalization. Our place in the 501-600 band, which is obtained especially in the Social Sciences category, embodies our goal of increasing the academic power of our university in the field of social sciences and its competitiveness on a global scale. As Istanbul Gelisim University, we will continue to maintain our understanding of excellence in education and research."

"IT IS A SIGNIFICANT INDICATOR THAT WE ARE ON THE WAY TO ACHIEVING OUR INTERNATIONALIZATION GOALS"

Istanbul Gelisim University's Vice Rector for Quality, Accreditation and Internationalization Prof. Arda Öztürkcan, on the other hand, said the following about THE success rankings:

"It is a pleasure for our university to enter the general ranking in THE World Universities Ranking and then to take part in THE World Universities Field Ranking on top of our success in THE Awards Asia 2025. This success is an important indicator that we are on the way to achieving our quality and internationalization goals in our education and research activities."

The grades obtained by Istanbul Gelisim University in THE rankings proved once again that the university has a competitive structure on a global scale and that it attaches importance to quality standards in the education it offers to its students. The university is determined to continue its work uninterruptedly to continue these achievements in the future.

TTO/TEKMER DIRECTORS OF UNIVERSITIES IN ISTANBUL MET AT DIJITALPARK TEKNOKENT

The 4th meeting of the directors of the TTO (Technology Transfer Office) and TEKMER (Technology and Innovation Center) of the universities in Istanbul was held on Tuesday, January 21, 2025 at Dijitalpark Teknokent, a joint organization of Recep Tayyip Erdoğan

University and Turkish-German University. In addition to Istanbul Gelisim University TTO, TTO/TEKMER directors of various universities attended the meeting.

The meeting emphasized the importance of positioning universities' TTOs more effectively, similar to the example at the University of Oxford. In addition, it was stated that TTOs should guide universities technologically and play a more active role in commercialization processes. In terms of investor companies, it was among the prominent issues in the negotiations that the projects were more attractive and offered great opportunities than the transfer of licenses.

At the meeting, the idea of preparing a joint project for the 3 calls announced by the Istanbul Development Agency (ISTKA) within the scope of the Financial Support Program for 2025 was adopted. It was decided that the next meeting would be held on February 18, 2025, hosted by Kültür University, and the technical staff who would take part in the project would participate in this meeting.

CALL FOR PROPOSALS FOR ISTKA 2025 FINANCIAL SUPPORT PROGRAMS

At the meeting, attention was drawn to the three financial support programs announced by ISTKA on January 13, 2025. These include:

1. Twin Transformation Financial Support Program
2. Artificial Intelligence Technologies Financial Support Program
3. Cooperation Istanbul - Financial Support Program for Strengthening Collaborations between Corporate Companies and Startups

Applications for these programs will continue until April 11, 2025. TTOs of universities aim to increase cooperation within the scope of these calls.



A VISIT FROM IGU RECTOR PROF. BAHRİ ŞAHİN TO ISTANBUL GOVERNOR DAVUT GÜL!

Istanbul Gelisim University Rector Prof. Bahri Şahin and IGU Secretary General Assoc. Prof. Serdar Egeli visited the Istanbul Governor Davut Gül, in his office. During the visit, the educational vision of Istanbul Gelisim University, university activities and public cooperation projects were discussed.

During the visit, the university's innovative projects for the community came to the fore, while new ideas were shared for collaborations that could be carried out jointly with public institutions. In particular, suggestions on studies that will contribute to the professional development of young people and projects that will increase accessibility in education were discussed.

This visit was considered as an important step to reinforce communication between universities and public institutions and to implement joint projects.