

SELF-ASSESSMENT REPORT

IZMIR INSTITUTE OF TECHNOLOGY

2021

EXECUTIVE SUMMARY

1. Executive Summary

İzmir Institute of Technology considers the Self-Assessment Report (SAR) process as a circular process that benefits the entire institution and accelerates institutional awareness towards continuous improvement. This constitutes the basis for the management processes of these reports.

During the preparation of the 2021 Report, the main purpose was to have an objective Self-Assessment and to benefit from contributions it may offer. Another main objective was to enhance visibility of embracement of corporate culture and of leadership roles in its implementation. During the reporting period, we highlighted the significance of strong communication, cooperation, and collective performance motivation, and to ensure that the resulting Report is prepared with due contributions by all internal stakeholders.

To redesign the Institutional Self-Assessment Process within the framework of these aims, in 2021 IZTECH has;

- ✓ Renewed the Institutional Quality Assurance Directive in full compliance with the QAS legislation and reviewed the duties, capacities, and responsibilities of the actors throughout the system and also developed the organizational chart.
- ✓ The quality standards working groups that were previously formed on the basis of units were replaced with "sub-working groups" newly created on the basis of main QAS processes throughout the institution and leaders were assigned to these sub-working groups. The scope of mandate of each sub-working group has been identified and notified to responsible persons.
- ✓ "Unit quality teams" consisting of 3 people including a leader, a supervisor, and an officer, have been formed to carry out and manage the QAS efforts in their respective units. The scope of mandate of each team has been identified and notified to responsible persons.
- ✓ Self-Assessment process was designed and planned in two dimensions: Fieldwork Program and SAR preparation.

In the first year of the Self-Assessment Fieldwork Program, 4 academic units were designated as pilot application areas. In these academic units, meetings, interviews, site visits were carried out with the Unit Quality Teams, which were enriched with relevant forms, lists, and reports. This first application was considered as an opportunity to contribute to the ongoing trainings on the institute's quality assurance system as well as to support awareness, embracement, and participation throughout the institution.

The report was prepared by Quality Assurance System, Education-Training, Research-Development, Social Contribution, and Management System Sub-Working Groups under the coordination of the Quality Coordinator and Strategy Development Department with axis leadership by the Vice-Rector of the Institute and Advisors to the Rector. The methods applied for the preparation includes focus group studies, interviews, brainstorming and study forms. As a result of the group work, the axes reports were drafted which were then submitted by the

group leaders to the Commission chaired by the Rector. The drafts were finalized in accordance with the feedbacks received from the members of the Commission. A dynamic and interactive communication and opinion exchange was ensured among stakeholders through the e-mail address kalite@iyte.edu.tr and other channels and communication tools.

During the preparation process of IZTECH 2021 ISAR, participation by internal stakeholders and students has been carefully considered at every stage. All relevant stakeholders were kept in the loop regarding the preparation process and all items (work plan, assignments, invitations, source documents, interim reports, etc.) were shared. The Commission and group meeting were held in the form of 'open meetings' to ensure transparency. 23 face-to-face and 8 online (Microsoft Teams) meetings were held with the Quality Coordinator, Quality Commission, and Sub-Working Groups during 2021 SAR preparations.

2021 Self-Assessment efforts revealed that our strengths include strong leadership and embracement of the processes, highly qualified human resources, a campus area rich in potential, a research ecosystem supported by cutting edge technical and technological infrastructures. The areas requiring improvement, on the other hand, emerge as the level of dissemination of mechanisms for systematical recording and examples of good practice.

INFORMATION ABOUT THE INSTITUTION

1. Contact Information

Prof. Dr. Serdar KALE/ Vice Rector, IZTECH Quality Coordinator

Address: İzmir Yüksek Teknoloji Enstitüsü Rektörlüğü, Gülbahçe Kampüsü 35430 Urla/İzmir

Phone: (0232) 750 60 65

E-mail: serdarkale@iyte.edu.tr

2. History

İzmir Institute of Technology's history goes as back as 30 years. It was established by the Additional Article 27 of the Law No. 3837 which entered into force as published in the Official Gazette dated 11.07.1992 and numbered 21281 and amended the Law No. 2809 on Organization of the Higher Education. The Institute consists of the Faculty of Science, Faculty of Engineering, Faculty of Architecture and Institute of Engineering and Sciences. The Institute started to offer graduate programs in 1994, and undergraduate programs in 1998. The current Institution organization chart can be accessed at <https://iyte.edu.tr/hakkinda/kurum-semasi/>.

From its establishment until 1999, Izmir Institute of Technology has served in two buildings in the city center of İzmir on an area of approximately 5,500 m². In 1994, construction began on the campus area with a surface area about 3500 hectares, allocated to the Institute in Gülbahçe, Urla. The institute gradually moved to this campus in October 1999. In 2002, Technopark İzmir was established on an area of approximately 214 hectares within the IZTECH Gülbahçe Campus.

Changes and developments over the years in units are also included in the previous year's SAR and other corporate reports disclosed to the public at <https://iyte.edu.tr/hakkinda/tarihce/>. On this page a video prepared to recount the years of foundation in celebration of the 20th anniversary of the Institution can be viewed with the title "What are you doing there?".

As of 2021, 602 academic staff, 220 of whom are faculty members and 379 administrative personnel are employed at the institute in service of 4911 undergraduate, 986 graduate, and 446 doctoral students in various programs. 18 undergraduate programs, 30 postgraduate programs 10 of which are interdisciplinary in 26 different departments, and 20 doctoral programs, 5 of which are interdisciplinary are followed in the Institute. The medium of instruction at IZTECH is English in all departments and programs.

3. Mission, Vision, Values, and Objectives

3.1. Mission

The mission of the Institute is to conduct advanced research as well as education, training, production, publication, and consultancy in the fields of science and technology.

3.2. Vision

Our vision is to be a science and technology pioneer and to be a unique university of education globally.

3.3. Core Values

Our expanded values according to the fundamental strategic axes that make up the IZTECH Vision are as follows; Leading the way in spreading the high technology in the national priority areas, protecting the environment and sustainability in human-friendly development, providing a unique and qualified contribution to digital transformation and technological transformation by supplying collaborative, student-oriented and applied learning opportunities in the working environment, and remaining in the position of respect as a research university in thematic fields.

IZTECH Core Values in this effort are as follows:

- **Innovative:** Channels IZTECH's scientific research power into technologic innovation and into modern initiatives.
- **Entrepreneur:** Paves the way for innovations by providing the necessary supportive environment to encourage the stakeholders with ideas.
- **Original:** Supports different and creative research and education environments that explore and add value, gives priority to the imagination, and importance to intellectual rights and freedoms.
- **Participatory:** Enables ideas that pave the way for an environment of innovation and entrepreneurship and participation in management processes at all levels.

- Pioneer: Aims at the position of the technological stronghold of innovation and takes initiatives to this end by directing the students and researchers towards positions of leadership in the national research and innovation as well as towards scientific success, audacity and confidence.
- Sensitive: Conducts in a respectful and sensible manner in all matters related to environment, local community, natural and cultural assets.

3.4. Objectives

The strategic objectives identified for Scientific Research, Innovation Ecosystem, Education-Training, Institutional Development, and Social Contribution strategic development axes and the goals defined under these objectives are listed below:

Scientific Research Development Axis

A1. Producing knowledge at a universal level as a research university

H1.1. Increasing support for basic research (basic science, engineering, and architecture)

H1.2. Aligning research with national science and technology priorities

H1.3. Increasing cooperation with international projects and partnerships

H1.4. Ensuring compliance with international macro policies and the adoption and widespread use of related tools in IZTECH

A2. Transferring the knowledge and technology to society and industry

H2.1. Creating facilitating interfaces for knowledge and technology transfer and developing activities based on primary research

H2.2. Increasing the competence of existing research centers and department research laboratories and creating new ones

A3. Providing R&D support in terms of human and infrastructure for IZTECH to become the "center of attraction for researches", and "science and technology base" of the Aegean Region.

H3.1. Developing focused projects for our country and the region by using the human and other infrastructure strengths of IZTECH

Innovation Ecosystem Development Axis

A1. Increasing awareness of innovation and strengthening communication with all innovative companies, especially those in Technopark İzmir

H1.1. Raising awareness of IZTECH researchers and industrialists on innovation, P&D, technology management, project management, incentives, and project applications

H1.2. Raising awareness on various topics and levels related to innovation

H1.3. Improving communication with companies in Technopark İzmir

A2. Developing and maintaining the institute's infrastructure for innovation activities

H2.1. Increasing awareness and support activities on issues such as innovation, entrepreneurship, patents

H2.2. Expanding and sustaining positioning, image, and innovation activities inside and outside of IZTECH

A3. Expanding and sustaining positioning, image, and innovation activities inside and outside of IZTECH

H3.1. Encouraging “interdisciplinary/multi-disciplinary” studies that can bring a multi-faceted view to complex technological problems and developing this ability

Education-Training Development Axis

A1. Creating the infrastructure for realizing multidimensional education based on research and practice

H1.1. Familiarizing new students with IZTECH values and ensuring their adaptation to IZTECH, developing innovative, practical, and student-oriented approaches in education

H1.2. Maintaining the quality achieved in graduate/undergraduate education and research and improving the level of satisfaction with these programs

H1.3. Optimizing graduation times from graduate/undergraduate programs; increasing the employment rate of graduates

A2. Creating a learning environment suitable for digital transformation and technological change for student-oriented and applied education

H2.1. Creating education and learning infrastructures suitable for change in technology and digital transformation and training qualified human resources

A3. Increasing international recognition in education and research

H3.1. Ensuring that academic programs receive national (MÜDEK, FEDEK, MİAK) and international accreditation to take place in global university rating systems

H3.2. Providing maximum benefit from international student and personnel mobility programs (ERASMUS etc.)

H3.3. Developing corporate communication tools on the outward face of IZTECH

H3.4. Enriching IZTECH's qualified scientist staff with qualified international scientists

Institutional Development and Social Contribution Development Axis

A1. Developing corporate governance, corporate culture, and organizational capacity

H1.1. Creating a performance evaluation system for administrative and academic units

H1.2. Strengthening the IT hardware/software infrastructure and user support services and ensuring its sustainability

H1.3. Consolidating the corporate identity and enhancing the perception of IZTECH; enabling corporate promotion at the local, national and international level

H1.4. Developing relationships with students and alumni

A2. Redefining IZTECH Campus as a sustainable/living/nature-friendly “education-research laboratory”

H2.1. Preparing an action plan for the "Living Campus" project and implementing it during the plan period.

H2.2. Using the natural and renewable energy resources (wind, geothermal, etc.) on the campus effectively and becoming an institution that can meet its own energy needs.

H2.3. Encouraging studies targeting local development

A3. Increasing cooperation by developing the institutional infrastructure on social issues

H3.1. Enhancing IZTECH’s contribution to the society

H3.2. Developing and enhancing the interest of children and young people in science

A. LEADERSHIP, MANAGEMENT, AND QUALITY

1. LEADERSHIP AND QUALITY

1.1. Management Model and Administrative Structure

The institute's management and organizational structure have been established by Higher Education Law No. 2547 and other relevant legislation. The institutional governance approach has been developed and institutionalized throughout its original elements during the institute's 30-year long history. In order to develop our management model, the IZTECH Management System Policy Document (together with other quality policy documents) was adopted by the decision of the Institute Board of Directors dated 20.04.2021 and numbered 8, and published and announced on the Institute's website (<https://iyte.edu.tr/hakkinda/kalite-guvencesi-sistemi/>).

The institution's organizational chart reflects the decision-making as well as the check and balance mechanisms, and the relationships of reporting. It is constantly updated and published on the institute's website. The organizational chart is properly gradually updated according to the needs of the era as well as the needs of the institution, and its effectiveness is periodically reviewed every five years within the framework of strategic planning analysis. In the last three years, Advisors to the Rector have been appointed to work in coordination with all senior management in the fields of "physical spaces of the campus," "communication," and "internationalization" by entirely using the opportunities of the legislation. The changes made in the senior management, improvements have been recorded in the administrative capacity of the Institute and thus the corporate leadership approach has been further strengthened (<https://iyte.edu.tr/hakkinda/yonetim/>). The new distribution of duties in the senior management, was aimed to increase diversity and develop vertical communication channels by designating contact persons as vice-rectors, deans, and advisors in all faculties. In this way, it was ensured that the dynamics within the University are followed closely, and that the complaints and suggestions are properly communicated. Senior management assignments can be followed on the Institute's website at <https://iyte.edu.tr/hakkinda/yonetim/>. The senior management was established to ensure that the composition provides strong representation of fields/units. The effective communication among the senior management is ensured not only in usual meetings of the Senate and Management but also in senior management consultation meetings which are held at periodical intervals.

According to the agile and result-providing management approach, special attention is attached to the proper demonstration of corporate leadership by the members of the Senior Management, especially in stakeholder relations. Thanks to such efforts by the leadership, the Institute achieved strong diversity and stakeholder participation, especially concerning the external stakeholders through mutual/multilateral international, national, and local cooperation and projects.

Within the framework of the IZTECH Advisory Boards Directive, which was put into effect with the decision by the Senate dated 31.01.2020, unit and institution advisory boards were created according to the sector (public, private, higher education, non-governmental, international organization) and status (graduate, retired, etc.) of the stakeholders. These boards are constantly updated and maintain a strong interaction with external stakeholders. With the

creation of advisory committees, the dynamics of the IZTECH education, research, and innovation ecosystem were opened to discussion with external stakeholders, thus activating a foresight and feedback mechanism for management of the University.

In addition, 23 different boards/committees/commissions were created according to particular expertise, main processes, and operational processes of the institute. These operate to serve diversity and harmony and can function as a decision making/administrative organ based on the decision by expert members.

The Annual Strategy Meeting of the Rectorate is held with participation of volunteer personnel and student representatives as a forum of effective communication based on values like transparency, accountability and feedback mechanisms and is expected to become a tradition. The dialogue facilitated in this forum, is designed to get in touch with all internal stakeholders. The established program of these meetings starts with presentation of the annual activity results by the Rector and Deputy Rectors, who then receive comments and criticisms and collect complaints and suggestions to be addressed in future projections.

Job descriptions of the institute units and personnel, workflow charts of processes, and Internal Control System (ICS) are in place and meet the "control environment" standards. The validity and currency of them is ensured within the system. These efforts as well as other steps taken within the framework of ICS can be monitored by internal stakeholders via <https://ickontrol.iyte.edu.tr/>.

1.2. Leadership

The design and operational processes of the institute's quality assurance system are planned by the Quality Coordinators, and then the Quality Commission is formed with sufficient representation under the leadership of the Rector. It is managed by the consultancy and coordination functions of the Strategy Development Department.

In 2021, some revisions were made to the IZTECH Quality Assurance Directive to improve leadership and embracement in the institute QAS. The QAS organizational structure was renewed and annexed to the Directive. In this context, Sub-working groups have been formed within the Commission based on the process leadership and relevance to ensure the Quality Commission's effective preparation of the ISAR. Each group included at least three undergraduate student representatives selected by the Student Council and one volunteer graduate student representative from the Graduate Education Institute. Unit Quality Teams have been established in all units, with the leader and responsible persons defined.

The "Field Self-Assessment Program" was designed as a new process to increase the efficiency of the Self-Assessment processes, as well as to increase the awareness about the quality assurance system within the institution. The first application was carried out in four units in 2021.

In 2021, our Quality Coordinator and Quality Commission met with the process stakeholders in 12 meetings and monitored evaluation, cooperation, and decision-making activities.

To diversify corporate communication channels in quality processes and to ensure direct accessibility, the e-mail address kalite@iyte.edu.tr was created at the end of 2021. We aim to ensure active utility of this address for enhanced communication through exchanging quality content on issues about the quality among staff, students, and external stakeholders.

1.3. Institutional Transformation Capacity

In the institute, the dynamics of change in the higher education ecosystem are determined by evaluating the PESTLE analysis method and are carried out within the framework of "higher education sector analysis" during the strategic plan preparation periods. Its results are used to ensure the objectivity of the SWOT analysis and ultimately guide us in reviewing our vision at the planning stage and determining long-term (5-year) goals and objectives.

In the era of digital transformation, the necessity of adaptation to change is also seen by the institute and adopted in principle. It is known that Turkey and İzmir are essential destinations for qualified brain drain. With the information technologies to be produced in this region, the Izmir Technology Base project is designed as a base where Turkey's high-value-added products are produced and exported in the international arena. It has enabled the establishment of a twin sister of Informatics Valley, which is currently located in Gebze, in Izmir. Success has been achieved in the attempts made by the central government to establish a robust technology corridor starting from Istanbul and continuing to Izmir to register the importance of IZTECH and Technopark Izmir to the region to realize a technology-oriented vision for Izmir. On the institute campus, Presidential Decision no. 4255 approved the construction of the Izmir Technology Base, which is envisaged to be the center of national and global companies producing high technology, and showing the land allocation, was published in the Official Gazette dated 10.07.2021 and numbered 31537. The implementation of the project is expected to provide essential outputs in our transformation management. Necessary steps such as Greenbox, LMS and Jove and Coursera integration, Teams and hybrid education applications, and Iztech Academy have been taken to create new educational opportunities in line with the developments in the higher education sector, especially during the pandemic period. The slogans "Uninterrupted Access for All" and "Learn Anytime, Anywhere" were adopted. With the active management shown during the pandemic, uninterrupted, safe, quality education and training channels have been developed.

In transformation management, the Institute's work on the axis of internationalization is also evaluated with its nurturing effect. Our work in this field has reached a significant intensity, not only within the scope of the Erasmus program but also essential efforts have been made to increase the number of partners of the Institute in the global arena. In this context, success has been achieved, such as the recognition of IZTECH Integrated Research Center as the UNESCO World Academy of Sciences (TWAS-UNESCO) Center of Excellence. International student admission processes have been revised and streamlined.

The number of students and international faculty members increased. With the efforts of the institution to obtain the EU Human Resources Strategy for Researchers (HRS4R) certification, new visions had an accelerating effect on the institution's transformation capacity.

In order to adapt to the future, detailed technical studies have been carried out to physically transform the Institution in line with our mission, vision, goals, and objectives. In 2021, the

Campus Living Environment New Vision was developed. Restoration works of the Historical Bath and its Near Surroundings have been completed. Within the Tatar Creek Delta Project, analyzes were made for the Renewable Research Center and Open-Air Laboratory Projects. With these visions and projects, socially beneficial goals such as achieving the most effective campus setup and preserving our campus areas' historical and natural riches are also pursued. It is envisaged that this process, which is still in the planning stage, will bring multi-dimensional opportunities to institutional transformation.

1.4. Internal Quality Assurance Mechanisms

Our Quality Assurance Directive is based on the operation of the planning, implementation, control, and prevention (PUKÖ) cycle for the quality assurance mechanisms of our institution. Here, the activities to be carried out during the year, the calendar information, and the process managers' duties and authorities are determined. The issues have been developed further with the amendments in our Directive in 2021. For example, the roles and responsibilities of the SGDB in the process were added, and the duties, authorities, and obligations of the Quality Commission and Quality Coordinator were revised.

In addition, the 2021 Institutional Self-Assessment Report Preparations Work Plan was prepared and implemented. Again, the 2021 Self-Assessment Fieldwork Program is designed to meet the PDCA elements. In this new evaluation process, 4 document formats were prepared: the program form, the questionnaire, the Self-Assessment team evaluation form, and the report form.

To increase the effectiveness of the institution's quality assurance activities, The Quality Assurance Information Management System, which has been developed with the resources of the institute, is evaluated within the scope of QAS process improvement studies. (<https://kgbys.iyte.edu.tr/doku.php>).

1. 5. Public Disclosure and Accountability

The essential accountability instrument in the institute is the strategic plan prepared in accordance with the legislation, submitted to the relevant public authorities and published on the internet pages; 6-month monitoring and annual evaluation reports, activity reports, performance monitoring reports, 6-month budget, and quarterly investment monitoring reports, internal control system reports and final account and its annex are movable consolidated reports. In addition to these reports, annual activity presentations are made by all units and departments to the senior management. All internal stakeholders with the practice developed within the institution. Internal/external audit and evaluation notifications received during the accounting process are met with corrective actions. This whole cycle ensures the evaluation of realizations, and shapes the revisions and measures to be taken.

In addition, the academic and financial calendars showing the responsibilities of the Institution are announced as a commitment on written and/or internet pages.

Institution and unit web pages are actively used in informing the public and are kept up-to-date, relevant, and easily accessible by designated responsible persons and managers who provide control.

With the IZTECH Bulletin, which is prepared at the institutional level and published quarterly and contains scientific and social news from IZTECH, internal and external stakeholders are informed about current issues of the institute.

Management model and administrative structure

Maturity Level: Practices regarding the management and organizational structure of the institution are monitored and improved.

Proofs

- [İYTE Politika Metinleri ve Kararı.pdf](#)
- [İYTE Kurum Organizasyon Şeması.pdf](#)
- [Kurullar - Komisyonlar Listesi \(2021\).pdf](#)
- [Birim Görev Tanımı Örneği.pdf](#)
- [Unvan-Kişi Görev Tanımı Standart Formu.pdf](#)
- [İş Akış Şeması Örnek-1.png](#)
- [İş Akış Şeması Örnek-2.png](#)
- [İş Akış Şeması Örnek-3.png](#)

Leadership

Maturity Level: There are internalized, systematic, sustainable, and exemplary practices.

Proofs

- [İYTE Kalite Güvencesi Yönergesi \(2021\).pdf](#)
- [Öğrenci Konseyi Kalite Komisyonu Görevlendirmeleri.pdf](#)
- [Kalite Komisyonu Alt Çalışma Grupları Görevlendirme Yazısı.pdf](#)
- [Kalite Komisyonu Alt Çalışma Grupları.pdf](#)
- [Birim Kalite Ekipleri Yapılanması.pdf](#)
- [2021 Yılı QAS Toplantı Tutanakları.pdf](#)

Institutional transformation capacity

Maturity Level: Change management practices realized in line with the purpose, mission and targets are monitored, and measures are taken.

Proofs

- [2019-21 Stratejik Planı Yükseköğretim Sektör Analizi Bölümü.pdf](#)
- [Teknoloji Üssü Kararı_20210710-17.pdf](#)
- [Iztech Regeneration Analysis.pdf](#)

Internal quality assurance mechanisms

Maturity Level: Internal quality assurance system mechanisms are monitored and improved with relevant stakeholders.

Proofs

- [İYTE 2021 SAR Çalışma Planı.pdf](#)
- [2021 Yılı Kurum İç Değerlendirme Saha Programı \(1\).pdf](#)
- [2021 Yılı Kurum İç Değerlendirme Saha Programı \(2\).pdf](#)
- [Saha Programı-DEĞERLENDİRME FORMU.pdf](#)
- [Saha Programı-İÇ DEĞERLENDİRME TAKIMI DEĞERLENDİRME FORMU.pdf](#)
- [İç Değerlendirme Saha Programı Rapor Formu.pdf](#)

Informing the public and accountability

Maturity Level: There are internalized, systematic, sustainable and exemplary practices.

Proofs

- [2021-Yılı-Faaliyet-Raporu.pdf](#)
- [2021-Yılı-Kurumsal-Mali-Durum-ve-Beklentiler-Raporu..pdf](#)
- [2021-Yılı-Yatırım-Programı-İzleme-ve-Değerlendirme-Raporu.pdf](#)
- [Birim Faaliyet Raporu Örneği \(2021\).pdf](#)
- [2020-Yılı-Kesin-Hesabı.pdf](#)

2. Mission and Strategic Purposes

2.1. Mission, Vision and Policies

The third Strategic Plan of the institute covers the period of 2019-2023 and is still in effect. Our mission and vision meet the conceptual and sub-criteria requirements defined here. The mission and image of the Institute are shared with the public at <https://iyte.edu.tr/hakkinda/misyon-ve-vizyon/>. In addition, it is used in corporate reports and files and presented to the information of stakeholders. Our mission and vision statements can be technically reviewed and re-evaluated during the strategic plan renewal.

At the beginning of 2021, our quality assurance system policy documents were prepared with the contribution and participation of process stakeholders at the workshops hosted by our Quality Commission. These documents entered into force with the decision of the Board of Directors. It was published at <https://iyte.edu.tr/hakkinda/kalite-guvencesi-sistemi/> and became available to the public.

2.2. Strategic Purpose and Objectives

IZTECH strategic management system is managed as an active and sustainable process. Strategic plans are used as an essential instrument of this system. They are prepared with a high level of participation and embracement in a method that has been established over the years and shaped under the IZTECH culture.

As mentioned under the title of "Information About the Institution", the strategic goals and objectives of the institute are determined separately for 4 strategic development axes: Scientific research, innovation ecosystem, education, institutional development, and social contribution. Three strategic goals (12 in total) for each development axis, 30 goals to support these goals, and a sufficient number of measurable performance indicators to allow monitoring and evaluation are included in our 2019-2023 Strategic Plan. The Strategic Plan is passed through

the 6-month tracking and annual evaluation processes, and the reports are shared with the public on our website and with the relevant public authorities in official correspondence. (<https://iyte.edu.tr/hakkinda/stratejik-planlama/> and <https://strateji.iyte.edu.tr/stratejik-planlama/>).

2.3. Performance Management

Our institution's performance management is provided within the framework of the strategic management cycle. The annual Institution Performance Program is prepared and monitored quarterly, and the results are used while preparing the following year's Program. In addition to the performance indicators determined in the Strategic Plan, our key performance indicators and their responsibilities are also defined at the central government level. Monitoring results are kept trackable over the years at <https://strateji.iyte.edu.tr/butce-ve-performans/> as well as the e-Budget system.

Mission, vision, and policies

Maturity Level: There are internalized, systematic, sustainable, and exemplary practices.

Proofs

- [İYTE Politika Metinleri ve YK Kararı.pdf](#)

Strategic goals and objectives

Maturity Level: There are internalized, systematic, sustainable, and exemplary practices.

Proofs

- [2019-2023 Stratejik Planı.pdf](#)
- [2021-Stratejik Plan İzleme Raporu.pdf](#)

Performance management

Maturity Level: The functionality of performance indicators and performance management mechanisms are monitored in the institution. Improvements are made according to the results of the monitoring.

Proofs

- [2021 Yılı Performans Programı.pdf](#)
- [Performans-Programı-İzleme-2021-1.Dönem-Raporu-1.pdf](#)
- [Performans-Programı-İzleme-2021-2.Dönem-Raporu-1.pdf](#)
- [Performans-Programı-İzleme-2021-3.Dönem-Raporu.pdf](#)

3. Management Systems

3.1. Information Management System

Although the management information system of the institute does not have an integrated structure, public financial management software, user-friendly software developed for essential processes, and corporate strategies that provide practical information channels in intermediate processes are available. Integrated information management system opportunities are on the agenda, and it is considered a significant development area in which results are expected in 2022-2023 quality assurance system studies.

The institute's information system is evaluated with ISO standards, and as a result of the 2021 audit, our ISO/IEC 27001:2013 Information Security Management System certificate has been renewed (<https://bidb.iyte.edu.tr/iso27001-sertifikamiz/>).

3.2. Human Resources Management

In the Institute, the basic rules and processes regarding the personnel regime have been determined with the İzmir Institute of Technology Human Resources Directive. In addition, the Competency-Based Performance Evaluation Directive of Contracted Personnel, subject to Article 4/B of Administrative and Law No. 657, is also applied. All our current internal and external legislation is kept up-to-date on the website <https://personel.iyte.edu.tr/mevzuat/> and presented to the relevant parties.

Annual satisfaction surveys are applied to the academic and administrative staff working at the Institute. In addition, we have a feedback platform accessible to our internal stakeholders via <https://kgbys.iyte.edu.tr/doku.php> where requests, complaints, and suggestions can be received.

Except for the legislative requirements, in 2021, HRS4R studies were carried out. These studies were thought to be a lever that would enable the human resources management of our University in order to be carried to European Union standards. These studies were performed by directly reaching the stakeholders through surveys. In 2022, the validity of European Union standards, especially in terms of human research resources, is expected to be registered at the Institute.

3.3. Financial management

The financial management of the Institute is provided in the order stipulated for higher education institutions defined in Table II within the scope of the Public Financial Management and Control Law No. 5018. Basic income and expense items are described in this framework, and they are planned and implemented over the years over the Presidential General Directorate of Budget E-Budget System on a multi-year basis (3 years), and their traceability is also ensured. In addition, performance programs prepared to organize the budget implementation process of the Institute on an annual basis are subjected to quarterly monitoring-evaluation processes during the year and yearly monitoring-evaluation processes of our investment program. Results are linked to reports. Information and documents related to this process are made available to the public at <https://strateji.iyte.edu.tr/butce-ve-perform/>. In addition, the annual activity reports of the Institution, which show the annual budget and activity implementation results holistically, also function as an essential monitoring instrument. Under the financial information heading, the Institute's basic financial statements, implementation, and performance results are included.

3.4. Process management

The Institute's process management was based on the differentiations specific to higher education institutions in the public strategic management model. Our Strategic Plan covering the period 2019-2023 was prepared on the basis of the main processes that represented the “strategic development axes.” These axes were applied in scientific research, innovation ecosystem, education training, institutional development, and social contribution.

Distance education is seen both in the education-teaching axis and in the field of social contribution. For each primary process (strategic development axis), 5-year purpose-target-performance indicators have been determined. The realization of these processes results is followed up with 6-month monitoring and annual evaluation reporting studies. The reasons for the unachievable targets and the deviations in the indicator values are analyzed. The resulting results are evaluated in deciding to update or renew the plan foreseen by the strategic management model.

In addition, we created IZTECH Policy Texts which were believed to constitute an essential element of the institute's strategic management model within the framework of the search meetings held under the coordination of the Quality Coordinator and Strategy Development Department. The views of the Quality Commission were to strengthen the process management of the institute in 2021. A pluralistic and participatory process was used to create institutional policy documents, and policy documents were produced by taking the opinions of university stakeholders in all fields. Quality Assurance, Management System, Social Contribution, Education, Research and Internationalization Policy Documents entered into force with the decision of the Institute Board of Directors, dated 20.04.2021, numbered 13 and numbered 8. It was available to the public on the Institution's website (<https://iyte.edu.tr/hakkinda/kalite-guvencesi-sistemi/>). In addition, 2 significant strategy documents were prepared and put into effect to give direction to the areas of process management. Access to the public has been provided through the pages <https://surdurulebilir.iyte.edu.tr/etik-belge/> <https://iyte.edu.tr/hakkinda/toplumsal-cinsiyet-esitligi-ilke-ve-stratejileri/>.

The internal control system was one of the critical components of the strategic management model, and provided process managers, workflows, and business management to setup in the application dimension of all our processes and sub-processes. This setup was constantly being improved with the internal control activities. The essential instrument in this area was the IZTECH Internal Control Standards Compliance Action Plan, which also included monitoring and evaluation mechanisms in process management. Our Action Plan was in effect with its revised version for the 2021-2022 period. Internal control activities could be monitored on the corporate website under the “Internal Control System” and it was under the principle of transparency in order to inform internal stakeholders. In addition, data on ongoing processes can be accessed at <https://iyte.edu.tr/hakkinda/ic-kontrol-sistem/>.

In this context, the process improvement activities carried out in 2021 can be summarized as follows:

- The institute's 2021-2022 Revised Adaptation Action Plan studies were completed and entered into force following the approval of the Rector.
- Regarding the activities and arrangements for the realization of the actions envisaged in the Action Plan for Compliance with the Internal Control Standards of the institute;

- Monitoring the realization results of the actions for which the units were responsible, unit monitoring was carried out.

- Prepared to create a controlled environment; institution organization chart/unit organizational charts, mission, vision, unit job definitions, position definitions, service definitions, and workflow charts were updated.

- All necessary updates and changes were made in the existing studies due to the establishment of new units and the inclusion of these units in the internal control system and changing conditions.

-Preliminary studies were carried out to record and monitor Personnel Based/Individual Job Description Forms via the internal control software program.

• The institute's Sensitive Tasks List has been updated.

• A survey study was conducted through the Internal Control Software Program for the 2020 evaluation of the internal control system. An Internal Control System Evaluation Report was prepared by considering the data obtained in the light of the assessment of our units and the internal and external audit reports.

Information management system

Maturity Level: An integrated information management system is operated throughout the institution that supports basic processes (education and training, research and development, social contribution, quality assurance).

Proofs

- [İYTE TARAFINDAN HAZIRLANAN YAZILIMLAR \(2021 Kurum Faaliyet Rapor Verisi\).pdf](#)
- [Enstitüde Kullanılan Lisanslı Yazılımlar \(2021 Kurum Faaliyet Raporu Verileri\).pdf](#)
- [Öğrencilere Sağlanan Yazılım Kaynakları \(2021 Kurum Faaliyet Raporu Verileri\).pdf](#)
- [Bilgi İşlem Daire Başkanlığı 2021 Yılı Faaliyet Raporu.docx](#)

Human Resources Management

Maturity Level: Human resources management practices are followed in the Institution. It is evaluated and improved with relevant internal stakeholders.

Proofs

- [İYTE-İdari-ve-657-Sayılı-Kanunun-4-B-Maddesine-Tabi-Sözleşmeli-Personelin-Yetkinliğe- Dayalı-Performans-Değerlendirme-Yönergesi-.docx](#)
- [İYTE-İnsan-Kaynakları-Yönergesi.docx](#)

Financial management

Maturity Level: The management processes of financial resources are monitored and improved in the Institution.

Proofs

- [2021-Yılı-Bütçesi.pdf](#)
- [2021 Yılı Faaliyet Raporu Mali Bilgiler Bölümü \(63-164 Sayfa Aralığı\).pdf](#)
- [2021 Yılı Yatırım Programı İzleme ve Değerlendirme Raporu.pdf](#)

Process management

Maturity Level: Process management mechanisms are monitored in the Institution and improved after being evaluated with relevant stakeholders.

Proofs

- [İYTE-İç -Kontrol-Standartlarına-Uyum-Eylem-Planı-2021-2022.pdf](#)
- [2020-YILI-İÇ-KONTROL-SİSTEMİ-DEĞERLENDİRME-RAPORU.pdf](#)
- [İYTE - HASSAS GÖREVLER LİSTESİ 2021.pdf](#)
- [Toplantı Gündemi 2021-1.docx](#)
- [Toplantı Tutanağı 2021-2.docx](#)
- [Toplantı Tutanağı 2021-3.docx](#)
- [İç Kontrol Sistemi Değerlendirme Raporu için düzenlenen anket örneği \(2\).pdf](#)
- [İç Kontrol Sistemi Görevlendirmeleri.pdf](#)

4. Stakeholder Engagement

4.1. Internal and External Stakeholder Engagement

The principle of participation was adopted institutionally and applied in many of our processes and units. In particular, our steps were taken to increase the involvement in 2021; Commission sub-working groups specific to quality assurance processes, unit quality team structuring, and student representation to the Commission and working groups, actively developing the Institutional Advisory Board and establishing unit advisory boards in order to increase efficiency in decision-making, governance, and improvement processes. (<https://iyte.edu.tr/hakkında/danisma-kurulu/>) These steps were also seen as valuable in process improvement. Our Institution's Advisory Board, which was formed with high representative power, was one of our practical participation elements where the opinions and suggestions of our external stakeholders on various issues and coordination and cooperation were ensured. (<https://bulten.iyte.edu.tr/2021/12/21/iyte-danisma-kurulu-toplantisi-gerceklestirildi/>).

As an essential tool in ensuring participation, in addition to the individual surveys carried out in our units, surveys were held at the institutional level. In 2021, 8 surveys were conducted at the institutional level. These;

- ✓ Course Evaluation Surveys
- ✓ Academic Staff Satisfaction Survey,
- ✓ Administrative Staff Satisfaction Survey,
- ✓ HRS4R Questionnaire-1 (Recruitment and Recruitment Processes Applied to Researchers at IZTECH),
- ✓ HRS4R Questionnaire-2 (Working Conditions and Security at IZTECH),

- ✓ Satisfaction Survey of Instructors Teaching Distance Education (2020-2021 Fall Semester),
- ✓ COVID-19 Period Satisfaction Survey,
- ✓ Distance Education Satisfaction Survey.

Among the survey studies, the Satisfaction Questionnaire of the Instructors Teaching with Distance Education; the aim was to determine the satisfaction levels of the instructors in the online education process, the problems they encountered, and the improvements that should be made. COVID-19 Period Satisfaction Survey; the aim was to determine the issues that students have difficulty with during the pandemic, the improvements that needed to be implemented, and their satisfaction levels. Distance Education Satisfaction Survey; these were the questionnaires that were applied and used for the first time in process improvement to determine our satisfaction and preferences in the distance education process to improve the process and provide a more qualified learning environment. The HRS4R surveys implemented in 2021 were also seen as an essential instrument in providing personnel management in European Union Standards with the aim of improving the working conditions and safety of researchers by increasing the quality of the recruitment and recruitment processes applied to researchers.

4.2. Student Feedback

Since its establishment, IZTECH has accepted itself as a whole with its students and has developed all its facilities in line with its mission to maximize student satisfaction. With this understanding, direct communication channels are open with the students, including the senior management. Social media tools, student-rector meetings, Student Council structure, and similar tools, as well as surveys prepared by our units and applied at an institutional level, including satisfaction, opinions, suggestions, wishes, and complaints, were also actively used in terms of providing feedback. The survey results were evaluated according to the purpose of the subject, type, or application level and returned to the system in the form of decision, application, improvement, and correction.

4.3. Alumni Relations Management

Contact and employment information of our graduates was obtained through the Contact Form at the link <https://mezun.iyte.edu.tr/iletisimformu/>. This form was updated in line with needs. The form was translated into English, <https://mezun.iyte.edu.tr/en/iztech-alumni-contact-form/>, and as of the date of February 3, 2021 employment information of our international graduates was provided to be obtained efficiently.

The alumni information collected was shared with the departments that carried out accreditation studies. Within the scope of MÜDEK, surveys were regularly applied to Engineering Faculty graduates and workplaces that employ graduates. With these questionnaires, the degree of achievement of the educational goals of the program was measured.

In addition to obtaining statistical data such as employment data of graduates and university ranking criteria, career studies were carried out to increase employment rates. In this context, a Career Coaching project was initiated for our students and graduates at the beginning of 2021 in cooperation with the IZTECH Career Office, the Direction Management Institute, and the Urla Education Foundation (UREV). Before moving on to the program's second phase, we

supported IZTECH Alumni Office, UREV, and Direction Management Institute managers, trainers, and IZTECH students who benefited from the program. Program outcomes were measured at the online evaluation meeting on March 14th, 2021.

The Career Development Application and Research Center were established on December 5th, 2021, to increase our graduates' employment, accelerate career-oriented studies, and provide jobs to our students before they graduated, as well as the work of IZTECH-Sector meetings and cooperation projects. With the Alumni Office and Career Office units on the center's board of directors, employment activities were organized in an institutional manner.

Bringing together successful graduates and students, IZTECH organized many events that enabled our graduates to convey to our students what path they followed for their career success based on their own experiences. *IZTECH Graduates Shared Their Experiences, Established a Company in Technopark, and Our Alumni Abroad* were the events organized within this scope in 2021.

Apart from these, graduate-student interaction was ensured in many events organized by our academic departments, student societies, and IZTECH Alumni Association (İYTEMED) in 2021. (Alumni Talks seminar series by the Faculty of Architecture, Senior Talks organized by the student body IEEE, IZTECH members in the Business World/ IZTECH members in the Academy, etc.)

The Institute attached importance to the University-Graduate interaction. Graduates were important representatives of the institution, so in order to strengthen the ties with graduates, IZTECH Newsletter was prepared for graduates, and IZTECH Bulletin contained news from the institute and is sent to the graduates every two months. (<https://bulten.iyte.edu.tr/category/mezun/>).

Internal and external stakeholder engagement

Maturity Level: The functioning of stakeholder engagement mechanisms is monitored, and related improvements are made.

Proofs

- [İYTE Danışma Kurulları Yönergesi \(Yenilenmiş V\) - Dosyalar - ownCloud.pdf](#)
- [İYTE Birim Danışma Kurulları Senato Kararı ve Güncel Listesi.pdf](#)
- [2-Akademik Personel Memnuniyet Anketi.docx](#)
- [3-İdari Personel Memnuniyet Anketi.docx](#)
- [4-HRS4R Anketi-1 \(İYTE'de Araştırmacılara Uygulanan İşe Seçim ve Alım Süreçleri\).docx](#)
- [5-HRS4R Anket-2 \(İYTE'de Çalışma Koşulları ve Güvenlik_ Working Conditions and Security at IZTECH \).docx](#)
- [6-Uzaktan Eğitimle Ders Veren Öğretim Elemanları Memnuniyet Anketi\(2020-2021 Güz Yarıyılı\).docx](#)
- [7-COVID-19 Dönemi Memnuniyet Anketi.docx](#) [Anketler.xlsx](#)
- [İç ve Dış Paydaş Katılım Çalışmaları.docx](#)

Student feedback

Maturity Level: Practices regarding receiving student feedback are followed in all programs. It is improved based on student participation. Feedback results are reflected in decision-making processes.

Proofs

- [Öğrenci Geri Bildirimleri Çalışmaları.docx](#)
- [1-Ders Değerlendirme Anketi.docx](#)

Alumni Relations Management

Maturity Level: Alumni monitoring system applications are monitored, and updates are made in the programs in line with the needs.

Proofs

- [Mezunlar Ofisi 2021 Yılı Faaliyet Raporu.pdf](#)
- [Kayıyer Geliştirme Merkez Yönetmeliği.pdf](#)
- [Mezun Anketi Örneği.pdf](#)

5. Internationalization

5.1. Management of Internationalization Processes

In the Institute, internationalization processes are managed within a defined organizational chart framework. The units in the scheme regularly plan, monitor, and improve the internationalization processes under the institutional policies and objectives. In this context, as a result of the studies carried out with internal and external stakeholders, the IZTECH Internationalization Policy Document was accepted by the IZTECH Senate on 27.04.2021 and published on our corporate website (<https://iyte.edu.tr/hakkinda/kalite-guvencesi-sistemi/>). The departments were directed in accordance with the internationalization policy of the institution through the department coordinators responsible for internationalization. (<https://uio.iyte.edu.tr/erasmus-bolum-koordinatörleri-2/>).

Within the scope of internationalization processes, activities and outputs were collected regularly. They evaluated strategies, performance, and outcomes and made necessary improvements. The activities carried out in the field of internationalization, and the outputs obtained were presented to the top management of the Institute together with the unit activity report at the end of each year. Goals and strategies were determined for the following year.

The duties carried out by the International Relations Office (IIO), which are essential for the organization of internationalization processes, are defined (<https://uio.iyte.edu.tr/uluslararası-iliskiler-ofisi/>). When deemed necessary, improvements in the organizational structure of the Office are suggested to the University management, and approved improvements are made.

With the aim of increasing the participation in academician exchange programs at the Institute, our Integrated Research Center was selected as the "TWAS-UNESCO Center of Excellence" in 2019 with the application of the Integrated Research Center under the Research Directorate (<https://iyte.edu.tr/haber/iyte-tam-twas-unesco-tarafından-mukemmeliyet-merkezi-secildi/>).

Since then, the institute has hosted international researchers within the scope of various visiting researcher schemes of TWAS.

For increasing participation in student and academician exchange programs at the institute, the Erasmus Charter for Higher Education (ECHE) application of the institute's UIO unit was accepted in 2021 (<https://en.iyte.edu.tr/manset/iztech-recieved-100-full-points-from-european-commission/>). In this way, exchange activities are going to continue within the scope of the Erasmus program between 2021-2027.

The Institute establishes international partnerships with its academic and administrative units and signs general framework cooperation agreements with international universities to maximize international participation. The number of bilateral cooperations, country diversity, and activities under bilateral cooperation are regularly monitored by the International Relations Office, and improvements are made.

For being visible in academic environments and science diplomacy by taking active roles in international organizations and increasing its international recognition, the institute carries out memberships to global networks by the Research Directorate, Library and Documentation Department, and International Relations Office. There were ten new membership/nominations for membership in 2021 (see Table 1 in Evidence 12).

With the Institute's international cooperation, research activities (joint project applications and publications) are followed, improved and recorded by the Research Directorate.

The number of full-time international students and student applications to the Institute is recorded by the International Relations Office which makes improvements together with the Registrar's Office and the Graduate Education Institute.

5.2. Internationalization resources

The budgets of the Institute's EU projects are regularly followed up and evaluated by the Scientific Research Projects Coordinatorship. (<https://bap-k.iyte.edu.tr/avrupa-birliigi-projeleri/>).

The Institute's International Relations Office is trying to ensure maximum mobility for education and internship mobility, and personnel mobility by using the Erasmus+ budget effectively.

The human resource needs of the International Relations Office and Research Directorate are determined to implement new policies and strategies in the field of internationalization. In this context, in 2021, a staff trained in the press and broadcasting field was assigned to promote the University's internationalization activities of the UIO. Similarly, an expert lecturer responsible for international projects was employed in the Research Directorate in 2021.

With the aim of enabling the International Relations Office to gain a new face with more dynamic and international elements, it was renovated in 2021. In order to develop the social and cultural infrastructure for international students, a seminar/study hall was created.

For providing continuous training of human resources and increasing the quality of human resources in internationalization activities, the participation of relevant personnel in workshops and seminars are ensured. In this context, International Relations Office (IIO) personnel participated in the seminar organized by the Fulbright Turkey Commission on Internationalization in Higher Education hosted by IZTECH on 06/12/2021. (<https://uio.iyte.edu.tr/haber/uluslararasilasmacalistayi-iyte-ev-sahipliginde-duzenlendi/>). Similarly, UIO personnel participated in the Eurie- Eurasia Higher Education Submit event in 2021.

5.3. Internationalization Performance

All departments have department coordinators responsible for internationalization. International Relations Office (IIO) regularly records all international studies. These results can be used to develop new partnerships throughout the year. At the end of the year, it is shared with the Senior Management, and improvements are planned for the following year. In this framework, in the light of the data collected in 2020 and 2021, internationalization activities show a significant improvement (see Evidence 12 presented under 5.1 Figure 1: Total number of international partnered activities carried out university-wide in 2020 and 2021).

As of 2021, there are 107 Erasmus Inter-Institutional Agreements and 40 Inter-Institutional General Framework Agreements (MoUs) (see Evidence 12 presented under 5.1 Figure 2: Erasmus bilateral cooperation agreements and general framework agreements-2021). Following the signed cooperation protocols, joint workshops, joint project applications, and joint research activities were performed with counterpart institutions. 19 new General Framework Agreements were signed in 2021. (For international partnership activities carried out in 2021 within the scope of General Framework Agreements made by IZTECH, see Evidence 12 presented under 5.1 Figure 3: Number of General Framework Agreements by Years).

For international joint activities in 2021 within the scope of General Framework Agreements made by IZTECH, see. Evidence 12 is presented under 5.1 Table 2: Project applications and other joint activities in 2021 with international universities that we have bilateral cooperation general framework protocols (MoU).

Studies to increase the number of qualified international academicians at the Institute started in 2020 and related studies continued in 2021. As a result of these studies, the number of international faculty members at the Institute increased from 3 in 2019 to 5 in 2020 and 8 in 2021 (see Evidence 12 presented under 5.1 Figure 4: Number of International Faculty Members by Years).

The number of European Union Projects and International Projects supported by TUBITAK in the Institute and the budgets of the relevant projects were presented within the evidence. In 2021, an increase was observed in the number of European Union Projects compared to 2020. The number of EU projects was 15 in 2021, and the number of TÜBİTAK Bilateral Cooperation projects was 11. The number of publications produced by our faculty members from internationally partnered projects increased in 2021 compared to the previous year (see Evidence presented under 5.1. 12 Figure 5: Comparison of International Partner Publication Rates at the institute and Worldwide).

Studies on the collection and evaluation of all research data are carried out by the Research Directorate as follows; determining the research strategy and objectives of the European Union projects carried out in our institute, monitoring and optimizing the revision processes; regular monitoring of research activities and its operation; establishing an interface between Atmosphere TTO and IZTECH researchers;

The SUDTE Project (Supporting Universities in the Digital Transformation in Erasmus) has been performed within the Erasmus+ KA203 Strategic Partnerships for Higher Education Programme. The project has been carried out in partnership with Selçuk University (Coordinating Institution), İzmir Institute of Technology, University of Naples Federico II, Universidade de Vigo, and European University Foundation-Campus Europae (EUF). The International Relations Office carries out the project application and execution. The project has been the first international project on the digitalization of Erasmus Learning Mobility processes in Turkey. With the project, the international recognition of the institute has been increasing in terms of using digital tools in Erasmus operation processes. (<https://sudte.iyte.edu.tr>).

IZTECH ICR has been selected as the TWAS-UNESCO Center of Excellence. International researchers visit IZTECH within the scope of different programs of TWAS. Two (2) international researchers in 2020 and six (6) international researchers in 2021 were entitled to visit IZTECH within the scope of TWAS, and they are going to visit IZTECH in the following 3 years. The organization and follow-up of the applications and visits of international researchers within the scope of TWAS are carried out by the International Relations Office.

Promotion and organization activities for international undergraduate students are also conducted. In this context, we participated in the YÖK Study in Turkey Virtual Fair event hosted by YÖK between July 27-29, 2021. (<https://uio.iyte.edu.tr/etkinlik/study-in-turkey-yok-sanal-fuari-2021/>).

On September 9th, 2021, an Introducing Webinar “Introducing IZTECH- Live Event” was held for International Undergraduate Student Candidates who were entitled to register in the 2021-2022 academic year via the Microsoft Teams platform. (<https://uio.iyte.edu.tr/etkinlik/5267/>). An introductory and comprehensive orientation program (<https://uio.iyte.edu.tr/etkinlik/uluslararasi-ogrenciler-oryantasyon-etkinligi/>) was organized for undergraduate and graduated international students enrolled in IZTECH on October 8th, 2021. A New Year celebration event was organized for international students on December 30th, 2021, and international students' ties with IZTECH and UIO were strengthened. The Erasmus Days event was held on October 15th, 2021 in order to promote and disseminate the Erasmus Program.

(<https://uio.iyte.edu.tr/etkinlik/iyte-uluslararasi-iliskiler-ofisi-tarafindan-erasmus-gunleri-etkinligi-duzenlendi/>).

The satisfaction of full-time international students is followed annually by the International Relations Office with surveys.

Management of internationalization processes

Maturity Level: Internationalization processes' administrative and organizational structure is monitored and improved.

Proofs

- [1 Uluslararasılaşma Süreçlerinin Yönetim Şeması.pdf](#)
- [2 Uluslararasılaşma Politika Belgesi.pdf](#)
- [3 R_ Uluslararasılaşma Komisyonu Toplantı Tutanağı.pdf](#)
- [4 UİÖ Toplantı Tutanağı 08.02.2021.pdf](#)
- [5 UİÖ Toplantı Tutanağı 25.11.2021.pdf](#)
- [6 UİÖ Toplantı tutanağı 24.12.2021.pdf](#)
- [7 UİÖ Birim Faaliyet Raporu 2021.pdf](#)
- [8 Yıllık Hedef ve Stratejiler Toplantısı.pdf](#)
- [9 Uluslararasılaşma Hedef ve Stratejiler Sunum.pdf](#)
- [10 UİÖ Personel Görevleri.pdf](#)
- [11 UİÖ Organizasyonel Yapı Değişim Önerisi.pdf 12 Şekil ve Tablolar.pdf](#)

Internationalization resources

Maturity Level: The institution monitors and improves the distribution of internationalization resources.

Proofs

- [5.2.1 Erasmus+KA103 Proje Final Raporu Öğrenci Bütçe Kullanım Oranları.pdf](#)
- [5.2.2 Naciye Esen Özay Görevlendirme Yazısı.pdf](#)
- [5.2.3 Eurie- Eurasia Higher Education Submit 2021 Etkinliğine Katılım Belgesi.pdf](#)

Internationalization performance

Maturity Level: There are internalized, systematic, sustainable, and exemplary practices.

Proofs

- [K 5.3.1 Fen Fak. Uluslararasılaştırma Faaliyetleri Bilgileri.pdf](#)
- [K 5.3.2 Mühendislik Fak. Uluslararasılaşma Faaliyet Bilgileri.pdf](#)
- [K 5.3.3 Tüm Fakültelerin Uluslararasılaşma Faaliyet Bilgileri.xlsx](#)
- [K 5.3.4 Uluslararası Projeler ve Bütçeleri \(1\).xlsx](#)
- [K 5.3.5 TWAS Misafir Araştırmacı Listesi.xlsx](#)
- [K 5.3.6 Uluslararası Öğrencilere Yönelik Memnuniyet Anketi.pdf](#)

B. EDUCATION

1. Program Design, Evaluation, and Update

İzmir Institute of Technology consists of Faculties of Engineering, Science, Architecture, Graduate Education Institute, School of Foreign Languages, and Department of General Culture Courses. In our institute, education and training activities are carried out in 100% English in 19 undergraduate, 30 graduate, and 20 doctoral programs. 10 master's and 5 postgraduate programs have been designed in interdisciplinary areas in accordance with the requirements of the era. Education and Training are based on international standards. Implementing student-centered, project-based education methods, we aim to raise our students as researchers, creative, entrepreneurial, successful in teamwork, and contemporary individuals who produce our national technology. Graduates are respected nationally and internationally, and our undergraduates are accepted to the most prestigious international universities for their postgraduate education with scholarships. In addition, starting from the first years in their studies, they are provided to involve laboratory studies equipped with the latest technologies in order to improve themselves.

The Institute's programs' educational objectives and outputs have been determined, and the training programs have been designed following the Bologna Process. Training programs are designed with department meetings. The end-of-term evaluations of the students are determined by taking into account the opinions of the commissions formed in the departments and the views of the current advisors. While internal stakeholders are included in the process through academic committees, department meetings, and end-of-term evaluations, the opinions and demands of external stakeholders, such as regional employers, graduates, and representatives of professional organizations through the Advisory Board are also evaluated in the design of training programs as the requirements of modern education.

In the graduate education programs, new graduate program proposals are prepared by the faculty members working in the departments, taking into account the technological and scientific developments all over the world, and in line with the needs and demands, within the scope of the "Programme Opening Criteria" of the Council of Higher Education. After being discussed and approved by the relevant boards, it is forwarded to the Graduate Education Institute to be sent to the Council of Higher Education. The program proposal which is discussed in the Graduate Education Institute Board consisting of the heads of departments in the Graduate Education Institute and then in Senate, is entered into the YÖKSİS system in case of approval and acceptance. The approval process of the program is followed. Other defined education processes are started for the program to create education. After each program is designed specifically for its own field, it is submitted to YÖK for approval with IZTECH Graduate Education Institute and IZTECH Senate approval. In general, educational plans of similar programs in the world's leading higher education institutions are used as examples. The missions and visions of the programs are shaped in parallel with the IZTECH mission and vision.

Studies carried out within the scope of the Bologna Process are announced on the ECTS Information System <http://ects.iyte.edu.tr>. Education programs are designed in accordance with Bologna Process, and Program Outcomes (PÇ), which determines the qualifications of the

graduates at the first stage, are selected with the participation of all academic staff. When choosing the capabilities, the faculty members' opinions on the program are most effective.

A correlation has been made between program qualifications and course learning outcomes in all programs. These studies have been completed within the scope of the Bologna Process. The course learning outcomes in the courses given in all programs have been designed to meet the program outcomes. "Learning Outcomes" are defined for all courses in the agenda, and it is stated in the "Course Introduction Forms" that each of them is related to "Program Outcomes."

The lecturer prepares matrix tables showing the relationship between program outcomes and course achievements in departments with MÜDEK accreditation. Feedback is received through end-of-term student surveys, and then necessary updates are made by examining them in the relevant commissions.

Three of our Engineering Faculty departments (Chemical Eng., Computer Eng. and Mechanical Eng.) have MÜDEK accreditation since 2010. Some of us will be evaluated online. Two of our departments applied to MÜDEK this year (Food Eng. and Electrical and Electronic Eng.). The four following departments Bioengineering, Materials Sciences Engineering, Energy Systems Engineering, and Environmental Engineering will apply for MÜDEK accreditation after graduation.

MİAK applications to the Faculty of Architecture have been made but have been put on hold due to the global pandemic process. As of the period, the process has been restarted. Faculty of Science is in the application process for FEDEK. Infrastructure works are still in progress.

The Bologna process defines the methods for the course distribution of the programs. The curriculum structure observes the balance of compulsory-elective courses and field-non-field courses and provides cultural depth and the opportunity in order to get to know different disciplines. The number of lessons and weekly lesson hours are arranged so the student can spare time for non-academic activities. The suitability and operability of the course information packages developed within this scope are monitored, and improvements are made.

The ECTS value of all courses is shared over IYTE-ÖBS. It is verified by student workload tracking. Internship opportunities are available and are evaluated within the framework of sufficient student workload and credits. The quality of the implemented applications is assessed through the reports submitted.

Accredited departments use the cycle of continuous improvement. After evaluating the suggestions made by the advisory board, which is attended by internal and external stakeholders, class meetings with students, and surveys collected from alumni, these departments are reviewed by the Department Board, and necessary arrangements are discussed.

The Education Commission which is active in the Institute, was established by the directive, and consists of at least 9 faculty members, one of which is the president and is assigned by the IZTECH Rector. Starting in 2019, the Commission organized a series of workshops and seminars in which the measurement and evaluation of learning processes of effective learning ways. Expert trainers participated as speakers throughout the Institute to contribute to the

linking of activities within the scope of training of trainers with the learning outcomes of students.

Design and approval of programs

Maturity Level: There are internalized, systematic, sustainable and exemplary practices.

Proofs

- [2021-2022 Eğitim Öğretim Dönemi Bahar Yarıyılında Açılacak Dersler ve Uzaktan Öğretim ile Ders Verme..pdf](#)
- [2021-2022 Eğitim Öğretim Yılı Güz Yarıyılı Derslerin Açılış Şekli Hk..pdf](#)
- [B.1.1. Fotonik Program Bilgi Paketi.docx](#)
- [Kimya - Program amaç ve çıktıları.docx](#)
- [BilgisayarMuh-DanışmaKuruluTutanak-Ornek-Mudendislik.docx](#)
- [DR Programı Basvuru Formatı.docx](#)
- [Oğrenciler İçin Lisansüstü Değerlendirme Anketi.doc](#)
- [Oğretim Uyeleri-Oğretim Görevlileri İçin Lisansüstü Değerlendirme Anketi.doc](#)
- [Tasarım Çalışmaları Disiplinler Arası Yüksek Lisans Programı Basvuru Dosyası \(00000002\).docx](#)
- [YL Programı Basvuru Formatı.docx](#)
- [Öğrenim Çıktıları-Mühendislik.docx](#)
- [Bil.Muh.Vizyon-Misyon-Mühendislik.png](#)
- [Kim.Muh.Misyon-Mühendislik.png](#)
- [Kim.Muh.Vizyon-Mühendislik.png](#)
- [Program Çıktılarının Gerçekleşme Ölçümleri-Mühendislik.docx](#)
- [Program Eğitim Amaçları-Mühendislik.docx](#)
- [Yeni ProgramAçma- Örnek-cc2020-Mühendislik.pdf](#)
- [Yeni ProgramAçmaBilgisayar Mühendisliği Eğitim Planı Önerisi-Mühendislik.doc](#)
- [2021-2022 FALL TERM- RENC ANKET RAPORU.pdf](#)
- [2021-2022 TEMEL İNGİLİZCE BÖLÜMÜ PROGRAMI.pdf](#)
- [AKADEMİK BİRİMLER.pdf](#)
- [Hibrit Sistem Önerileri \(002\).docx](#)
- [Öğrenci El Kitabı 2021-2022.pdf](#)
- [Student's Handbook 2021 - 2022 \(002\).pdf](#)
- [UNITS and JOB DESCRIPTIONS.pdf](#)
- [B1.1.1 Eğitim Program Çıktıları ŞBP.pdf](#)
- [01.10.2021 Meeting.pdf](#)
- [07.12.2021 tarih ve 39-1 Senato Kararı\(bahar yarıyılı için\).pdf](#)
- [7.9.2020 Committee meeting report.pdf](#)
- [09.09.2020 meeting report.pdf](#)
- [24.08.2020 Committee Meeting Report.pdf](#)
- [26.04.2021 Committee Meeting report.pdf](#)
- [Derslerin-Açılış-şekli-2021-2022-bahar-yarıyılı.docx](#)
- [eğitim şekli.pdf](#)
- [Fall 2020 student survey results.docx](#)
- [Instructor Survey Results_Final Version.pdf](#)

- [İYTE YDYO 2020-2021 Bahar Dönemi Öğrenci Anketi Raporu.pdf](#)
- [L1 Meeting Report\(08.04.2021\).pdf](#)
- [L1 Pacing Spring 21-22.pdf](#)
- [L1 SPRING SYLLABUS.pdf](#)
- [L2 Meeting Report \(08.04.2021\).pdf](#)
- [L2 Pacing Spring 21-22.pdf](#)
- [L2 SPRING SYLLABUS.pdf](#)
- [L3 Meeting Report \(08.04.2021\).pdf](#)
- [L3 Pacing Spring 21-22.pdf](#)
- [L3 SPRING SYLLABUS.pdf](#)
- [Okutman anketi.docx](#)

Course distribution balance of the program

Maturity Level: The course distribution balance is monitored and improved in the programs.

Proofs

- [42-1 Sayılı Senato Kararı-Salı Günü Ders-Mühendislik.pdf](#)
- [Fotonik Ders Dağılım Tabloları.pdf](#)
- [B.1.2. Fotonik Ders Programları.pdf](#)
- [B.1.2. Fotonik Eğitimle İlgili Web Sayfası.docx](#)
- [B.1.2. Kimya - Eğitim Planı \(müfredat\).docx](#)
- [B.1.2. Moleküler Biyoloji ve Genetik - Eğitim Planı.docx](#)
- [Haftalık Ders Programları-örnek-Mühendislik.docx](#)
- [İYTE_dersbilgipaketiörneği.pdf](#)
- [Kimmuh_Egitim Komisyonu Tutanagi_20170406-Mühendislik.pdf](#)
- [Programların Ders Dağılımları-örnek-Mühendislik.docx](#)
- [Programın ders dağılım dengesi.pdf](#)
- [B1.2.1 Lisans-Ders Bilgileri AKTS.doc](#)
- [B1.2.2 Lisans-Zorunlu-Ders-Acilimi-Ingilizce.doc](#)
- [B1.2.3 Lisans-Seçmeli-Ders-Acilimi-Ingilizce.doc](#)
- [B1.2.4 Programım ders dağılım dengesi lisans.xlsx](#)
- [B1.2.5 Eğitim Bölümmüfredat ŞBP.pdf](#)

Compatibility of course outcomes with program outcomes

Maturity Level: Compliance of course outcomes with program outcomes is monitored and improved.

Proofs

- [B.1.2. Fotonik - Ders Planı Örneği PHOT 331 Syllabus.pdf](#)
- [B.1.3. Fotonik - Ders Planı Örneği PHOT301.pdf](#)
- [B.1.3. Fotonik - Ders Planı Örneği PHOT311.pdf](#)
- [B.1.3. Fotonik - Ders Planı Örneği PHOT321.pdf](#)
- [B.1.3. Fotonik - Ders Planı Örneği PHOT443.pdf](#)
- [B.1.3. Fotonik - Program Çıktıları ve Ders Kazanımı Matrisi Örneği PHOT301.pdf](#)
- [B.1.3. Fotonik - Program Çıktıları ve Ders Kazanımı Matrisi Örneği PHOT331.pdf](#)

- [B.1.3. Kimya - Program Çıktıları.docx](#)
- [B.1.3. Moleküler Biyoloji ve Genetik - Program Çıktıları.docx](#)
- [Örnek Ders Aktivite-PC-ÖÇ ilişkisi-örnek-Mühendislik.docx](#)
- [İYTE Ders Bilgi Paketi Örneği.pdf](#)
- [5170396.png](#)
- [5243717.png](#)
- [5483733 \(2\).png](#)
- [5663061.png](#)
- [B1.3.1 Eğitim Program Çıktıları ŞBP.pdf](#)
- [B1.3.2 Eğitim Dersmüf CP301 ŞBP.pdf](#)
- [B1.3.3 Eğitim Dersmüf CP243 ŞBP.pdf](#)
- [image004.jpg](#)

Course design based on student workload

Maturity Level: There are internalized, systematic, sustainable and exemplary practices.

Proofs

- [AKTS-Bölüm Web-Mühendislik.docx](#)
- [Fotonik - Ders Değerlendirme PHOT 443.pdf](#)
- [B.1.4. Fotonik - Ders Değerlendirme PHOT301.pdf](#)
- [B.1.4. Fotonik - Ders Değerlendirme PHOT311.pdf](#)
- [B.1.4. Fotonik - Ders Değerlendirme PHOT331.pdf](#)
- [B.1.4. İYTE-Lisans-Egitim-Ogretim-Yonetmeliği.pdf](#)
- [B.1.4. Kimya - Eğitim Planı \(müfredat\).docx](#)
- [B.1.4. Moleküler Biyoloji ve Genetik - AKTS Bilgileri.docx](#)
- [B.1.4. Not Belgesi-Ogrenci 1.pdf](#)
- [Not Belgesi-Ogrenci 2.pdf](#)
- [B.1.4. Not Denklik Belgesi-Ogrenci 1.pdf](#)
- [B.1.4. Not Denklik Belgesi-Ogrenci 2.pdf](#)
- [B.1.4. Not Denklik-Ogrenci 1.pdf](#)
- [B.1.4. Not Denklik-Ogrenci 2.pdf](#)
- [Onaylı Akademik Tanınma Belgesi-Ogrenci 1.pdf](#)
- [B.1.4. Onaylı Akademik Tanınma Belgesi-Ogrenci 2.pdf](#)
- [Kimya Bölümü-Remote Lab.docx](#)
- [Kimya Müh-Staj Yönergesi CHE Mühendislik.pdf](#)
- [Lisans Diploma Eki Örneği-Mühendislik.docx](#)
- [Mech-Eng-Not Denklik Belgesi.pdf](#)
- [Staj-Mühendislik.docx](#)
- [B1.4.1 Ders programı 2021 2022 Bahar ŞBP.xls](#)
- [B1.4.2 Staj Defteri Format.docx](#)
- [CHE 410 Final Sınavı Fixed and Fluidized Bed 202100203.pdf](#)
- [CHE 410 KimMuh Lab I Dersinin Uzaktan Eğitim Detayları.pdf](#)
- [CHE 410 Vize Sınavı Chemical Reactor 2020 Guz.pdf](#)
- [CHE 410 Vize Sınavı Cooling Tower 2020 Guz.pdf](#)
- [CHE 410 Vize Sınavı Mass Trans Dif Coeff 20210203.pdf](#)
- [CHE 411 Rapor A.Atik C.Atici T.Arslan 2021 Bahar.pdf](#)

- [CHE411 Rapor B.Elibuyuk E.Furan 2021 Bahar.pdf](#)

Monitoring and updating programs

Maturity Level: Program outputs are monitored by these mechanisms. It is updated by taking the opinions of the relevant stakeholders.

Proofs

- [Eğitim Planları Önerilerinin Hazırlanması.pdf](#)
- [B.1.5. Fotonik - Ders Değerlendirme PHOT 443.pdf](#)
- [B.1.5. Fotonik - Ders Değerlendirme PHOT301.pdf](#)
- [B.1.5. Fotonik - Ders Değerlendirme PHOT311.pdf](#)
- [B.1.5. Fotonik - Ders Değerlendirme PHOT331.pdf](#)
- [B.1.5. Fotonik - Program Çıktıları ve Ders Kazanımı Matrisi Örneği PHOT301.pdf](#)
- [B.1.5. Fotonik - Program Çıktıları ve Ders Kazanımı Matrisi Örneği PHOT331.pdf](#)
- [B.1.5. Fotonik Akademik Kurul Toplantı Tutanağı.pdf](#)
- [B.1.5. RAPOR Calculus.docx](#)
- [B1.5 FEN Ayrılan Öğrenci Sayısı 2021.docx](#)
- [IYTE-ÖD Sanal Ziyaret Programı-\(taslak-220302\) Mustafa Hocadan.xlsx](#)
- [Paydaşlarla Program Çıktıları değerlendirme Kanıtları ve Programları Güncellenmesi-Örnek-Mühendislik.docx](#)
- [PÇ ve Eğitimin iyileştirme Döngüsü-Mühendislik.docx](#)
- [Program Çıktılarının Ölçme ve Değerlendirme Süreci-Örnek-Mühendislik.docx](#)
- [soyad öğrenci destekleri.docx](#)
- [Programların izlenmesi ve güncellenmesi.pdf](#)
- [B1.5.1 Bölüm Kurul Kararı_cp202.pdf](#)
- [B1.5.pptx](#)

Management of education and training processes

Maturity Level: Practices regarding the education and training management system are monitored in the institution, and improvements are made according to the monitoring results.

Proofs

- [B.1.6 Eğitim Komisyonu Yönergesi.pdf](#)
- [Eğitim Komisyonu Çevrimici Toplantı-Ekran Görüntüsü.docx](#)
- [B.1.6. Eğitim Komisyonu Görev Yazısı.pdf](#)
- [B.1.6. Fotonik - Değişen Ders Planı Phot222 2021.pdf](#)
- [B.1.6. Fotonik - Değişen Ders Planı Phot222 2022.pdf](#)
- [B.1.6. Fotonik - Program Bilgi Paketi.docx](#)
- [B.1.6. Fotonik - Sorumlu öğretim üyeleri ve komisyonlar.pdf](#)
- [B.1.6. Kimya - Hibrit, Örgün, Uzaktan Ders Yürütme Kararı.docx](#)
- [B.2.4. İYTE-Lisansüstü-Eğitim-Öğretim-Yönetmeliği.pdf](#)
- [İyileştirme Kanıtı-İYTE SENATO KURULU KARARLARI - KİMYA MUHENDİSLİĞİ 2015-2021.pdf](#)
- [İyileştirme Kanıtı-Kimya Mühendisliği Bölümü Eğitim İyileştirme.docx](#)

2. Implementation of the programs (Student-centered learning, teaching and evaluation)

As being a basis for accurate, fair and consistent evaluation at our institute, the implementation of exams, grading, and graduation conditions are determined by "IZTECH Undergraduate and Graduate Education Regulations" and "IZTECH School of Foreign Languages Basic English Department Preparatory Class Regulations" and announced to the students. Institutional regulations, directives, and other operating principles can be accessed at (<http://ogrenciisleri.iyte.edu.tr/>).

At the beginning of each semester, the responsible lecturer of each course is required to distribute the Course Syllabus which includes the course content, weekly schedule, exam dates, and evaluation criteria and announce it on the course website, and submit a copy of it to the department. The healthy functioning of the processes are ensured through surveys and departmental commissions in departments with MÜDEK accreditation. Student attendance requirements, make-up exam rights and other permissible situations related to IZTECH Student Registration-Admission Regulation are determined by IZTECH Undergraduate and Post Graduate Education and Training Regulations.

Student admission to the undergraduate programs of our institute is based on the entrance exam to undergraduate programs conducted by the Assessment, Selection, and Placement Center (ÖSYM). Student admissions to graduate programs are realized in accordance with YÖK Graduate Education Regulations and IZTECH Graduate Education Regulations. IZTECH Undergraduate Programs for Foreign Student Admission and Education Directive which was created within the framework of the principles determined by YÖK, is accepted for the admission of foreign students undergraduate program. On the other hand, lateral transfers are taken with IZTECH Horizontal Transfer Principles established within the framework of the principles determined by YÖK. Institutional regulations, directives, and operating principles are announced at the link (<http://ogrenciisleri.iyte.edu.tr/>).

After the students register for the university, an academic advisor is appointed to help them with the problems that may be encountered, and the promotions for the departments are realized within the scope of the introductory courses. At the beginning of each academic year, an "Orientation Programme" is organized to introduce the campus and the Institution to the new students.

The "Student Mentoring Program" implemented at our institute aims to provide continuous guidance and support to the new students during their first year of education and to help them transition to undergraduate studies. Rector-Student Meetings are held several times each year to solve students' problems, listen to their suggestions, and develop a sense of belonging.

Promotional activities are organized to bring successful undergraduate and graduate students to the institution/program. In addition, by participating in fairs and events, materials such as brochures and CDs that introduce the undergraduate and graduate programs and research opportunities of our Institute are delivered to the relevant students. In this context, high-level visits were made to successful high schools in the region.

Honor and high honor certificates are given to our undergraduate students in the following semester by looking at their semester grade averages for their academic achievements. In our

university, the most successful students, according to their undergraduate grade point average, are awarded the "Rector's List" implementation.

Academic advisors from the department faculty members are assigned to students who are accepted to undergraduate programs. During the course selection and registration period, the student can receive consultancy, and all registration procedures (add, drop, withdraw) are approved by the advisor. In addition, graduation approval is given by the advisor. All these processes are carried out electronically using the "Student Information System."

To encourage student mobility, necessary arrangements were made on issues such as course and credit recognition and diploma equivalency. EUR-ACE label was given to the departments which have MÜDEK accreditation; Chemical Engineering, Mechanical Engineering, and Computer Engineering. Universities and quotas with which agreements are made are announced yearly by the IZTECH International Affairs Office announces the quotas and bilateral agreement universities. The courses to be taken by the students who are entitled to benefit from the ERASMUS program and their equivalents in the curriculum are evaluated in advance for each student and approved by ERASMUS Coordinator.. Within the scope of the ERASMUS program, the ECTS credits of the courses taken by the students who go abroad to do postgraduate studies are recognized if the necessary internal approvals are obtained and then they are written in the transcripts of the students.

Our Institute was awarded with Diploma Supplement Label by the European Commission in 2010 and was entitled to receive the ECTS Label within the scope of the Bologna process. Having the ECTS Label increases the interest in our Institute regarding student exchange programs. The number of European universities that we have bilateral agreements are rising every year and providing an advantage to our Institute in terms of internationalization.

Teaching methods and techniques

Maturity Level: Student-centered practices are followed and improved with the participation of relevant internal stakeholders.

Proofs

- [UZEM-B.2.1. Öğretim Yöntem ve Teknikleri.docx](#)

Assessment and Evaluation

Maturity Level: The programs have a student-centered and diversified assessment and evaluation practices.

Proofs

- [UZEM-B.2.2. Ölçme ve Değerlendirme.docx](#)
- [IYTE_Ders Bilgi Paketi Örneği.pdf](#)

Student admission, recognition, and crediting of prior learning

Maturity Level: There are internalized, systematic, sustainable, and exemplary practices.

Proofs

- [B.2.3. İYTE Lisans Programları Yurtdışından Öğrenci Kabulü ve Eğitim Yönergesi.pdf](#)
- [B.2.3 İYTE-Öğrenci-Kayıt-Kabul-İşleri-Yönetmeliği.pdf](#)
- [B.2.3. Not Belgesi-Oğrenci 1.pdf](#) [B.2.3. Not Belgesi-Oğrenci 2.pdf](#)
- [B.2.3. Not Denklik Belgesi-Oğrenci 1.pdf](#)
- [B.2.3. Not Denklik Belgesi-Oğrenci 2.pdf](#)
- [B.2.3. Not Denklik-Oğrenci 1.pdf](#)
- [B.2.3. Not Denklik-Oğrenci 2.pdf](#)
- [Onaylı Akademik Tanınma Belgesi-Oğrenci 1.pdf](#)
- [B.2.3. Onaylı Akademik Tanınma Belgesi-Oğrenci 2.pdf](#)
- [B.2.3. ve B2.4. İYTE-Çift-Ana-Dal-Yönergesi.pdf](#)
- [B.2.3.İYTE-Lisansüstü-Eğitim-Öğretim-Yönetmeliği.pdf](#)

Certification of qualifications and diploma

Maturity Level: Applications are monitored, and defined processes are improved.

Proofs

- [İYTE Yatay-Geçiş-İlkeleri.pdf](#)
- [İYTE-Lisans-Eğitim-Oğretim-Yonetmeliği.pdf](#)
- [İYTE-Lisansüstü-Eğitim-Öğretim-Yönetmeliği.pdf](#)

3. Learning Resources and Academic Support Services

İzmir Institute of Technology has physical infrastructure opportunities that develops, strengthens and renews each year. The Institute provides service with an education standard above the average in Turkey, with 274 different quality education units equipped with advanced technology in an education area of 39,504 m2.

Activities involving science, art, and current affairs are organized through academic units and student societies to widen students' professional and personal development. Our students are not only free-thinking and competent scientists who are open to innovations but also individuals with social sensitivity.

IZTECH Career Office was established in 2011 in order to provide career guidance and career counseling services to our students during their education and after graduation. The office carries out activities and programs to increase internship and job opportunities in coordination with student societies and collaborates with internal or external experts. Our Institute organizes Technology and Career Day to meet the qualified human resource needs of public and private sector organizations by its graduates or students. Besides, it informs our students about the CV preparation, cover letter creation, and interview processes. This process brings students together with the companies providing these services in various activities. It shares external activities and useful links for the same purpose with them. In addition, it has transformed career support into a corporate service by gather the web-based student resume bank and the private sector.

In our institute, a specialist psychologist works within the Department of Health, Culture, and Sports, which is responsible for health services. He provides psychological counseling services to students.

The total Closed Physical Settlement Area in IZTECH Campus is 174.620 m². There are 39 meeting rooms with a maximum capacity of 50 people and 3 conference rooms with a capacity of 50 or more in the academic units of our institute. In addition, all kinds of scientific and social activities and weekly movie screenings are held in the multi-purpose conference hall with a capacity of 250 people in the library building. Prof Erdal Saygın Amphitheater, named after our Founding Rector, hosts many events such as social and cultural meetings and opening ceremonies.

Our Institute has the technology to enable education and training and conducting of any research. There are 27 computer labs and 327 labs, which were created within the Institution's budget or with the support of external funds.

The Institute Library was established in 1992 and moved to its own building in 2007, with an area of 6,100 m² and a seating capacity of 795 people. There are 8 individuals, 9 groups, two multimedia rooms, meeting rooms, and a show center in the library building. In defiance of users' needs, IZTECH Library is open every day and actively uses social media tools to provide the best service whenever needed. It ensures that our users are informed about and benefit from our services and facilities in addition to its physical conditions and up-to-date collections,

OpenAIRE (www.openaire.eu) is the EU scientific-technical infrastructure project which leads Turkey in open access and which is in only Izmir Institute of Technology Library and Documentation Department is a partner on behalf of Turkey. It is a project designed to help researchers, research managers and project coordinators comply with EU Open Science and Open Access policies. Today, OpenAIRE, which has become the EU's largest academic information portal, goes on growing with new data providers. Over time, the OpenAIRE portal has started to accept data providers not only from Europe but from all over the world. The ultimate goal is to become the world's open-access academic information portal. OpenAIRE collects not only publications but also research data. In addition to providing consultancy and guidance services to inform projects and researchers about OpenAIRE EU policy, it guides open access in Europe and beyond through FAQs, online resources, educational materials, web pages, newsletters, and blogs. OpenAIRE, the center of this advisory infrastructure, has 33 National Open Access Helpdesk spread across Europe, currently providing centralization by providing consultancy at the local level.

The use of new technologies is encouraged as a requirement of the student-oriented, project-based, experimental and technological research model carried out by IZTECH. The training areas are equipped with modern equipment. The departments aim to introduce the latest technologies to their students. An education that catches the age with the newest software and hardware is aimed.

IZTECH Academic Archive System “DSpace@IZTECH,” which started in June 2013 in connection with the OpenAIRE project, stores all academic resources such as books, articles, theses, papers, and reports produced within the body of IZTECH, in a digital environment in accordance with international standards. It is made available to Open Access under copyrights

to increase its impact. İzmir Institute of Technology Open Access Policy, the first "Mandatory Open Access Policy" in Turkey, was approved by İzmir Institute of Technology Senate on 08/10/2013.

The ability of DSpace@IZTECH to maintain its existence and achieve its purpose depends on the support of our academicians. Providing content to DSpace@IZTECH is required following the Open Access Policy of Izmir Institute of Technology. The aim is not only to create an open access system, but also to compile the scientific studies carried out within the Institute with the open access system to be created, to create a record of these collected studies in international standards, and to ensure that they are included in the world-wide indexes. IZTECH Academic Archive System "DSpace@IZTECH" records are collated by OpenAIRE and appear on the OpenAIRE portal. Approximately 70% of the scientific studies addressed to IZTECH are shared with the world as open access via DSpace@IZTECH <http://openaccess.iyte.edu.tr/>. IZTECH Library, which has a rich source of information in education, is in Turkey. It is a pioneering, innovative library that breaks new ground in many areas of librarianship. These applications can be listed as the first mobile library website, the first Facebook application, the first mobile library catalog browsing application, the use of an intelligent toolbar, and the scanning of library records in Google books and the world catalog. Our library is among the best University Libraries in Turkey in terms of its physical conditions and the up-to-dateness of its collections, the information technologies it uses, and the fast and easy access to a world-class, rich database and electronic resource collection.

IZTECH attaches importance to equality of opportunity in education. Accordingly, IZTECH Disabled Unit (<http://web.iyte.edu.tr/sks/>) was established on 3 November 2011. Accessible IZTECH aims to minimize the difficulties faced by our students with disabilities in campus and dormitory life during their education and to support them to participate equally in education, training, social life, and cultural areas. Application to the Barrier-Free IZTECH is voluntary. Students requiring a particular approach are provided with the necessary support to meet their demands. Studies on the subject have started to be carried out in the designated support areas, and analyses are carried out to "create a suitable learning environment for students" by the Construction and Technical Department.

In the investment budget of our Institute, the "Accessible Access" project appropriation was allocated, and the planned studies were carried out in this context., the arrangements that have been made in the physical conditions and library resources that our students make intensive benefits from for students who require a special approach, such as increasing the number of audio books.

Since the language of instruction at our institute is English, our international students have no difficulties following the courses and communicating. The International Relations Office assists our students in solving other problems.

2. Faculty Staff

The academic staff of our Institute consists of young academics who have done doctoral and/or post-doctoral studies in distinguished universities in the country and abroad since its establishment. In line with the purpose of its establishment, it has ensured the creation of a

dynamic, innovative and entrepreneurial education system by using student-centered, project-based education methods. It has created an advanced scientific infrastructure.

Our academic staff is getting stronger in line with the growth potential of IZTECH. Recruitment of the academic staff of our institute is carried out in accordance with the provisions of the Higher Education Law No. 2547, "Regulation on Promotion and Appointment to Faculty Members," and "Regulation on the Procedures and Principles Regarding the Central Examination and Transition Exams to be Applied in the Appointments to be made to Faculty Members other than Faculty Members." It is carried out in line with the "Principles Regarding the Minimum Academic Promotion and Appointment Criteria of IZTECH" accepted by the Institute Senate. Academic Human Resources Initial Operations Unit (AIKİB), which is directly affiliated with the IZTECH Rectorate, has been established to coordinate the faculty recruitment process and as the first point of application for faculty members (<https://iyte.edu.tr/academic/academic-insan-kaynaklari-unit-aikib/>).

Since its establishment, it has been given increasing importance to ensure that the scientific performance of all academics who start working at the Institute is above the world average. For this reason, "decision support tools" are used effectively. In the first appointments to teaching staff at the level of associate professor; in the analysis of the SciVal program of the candidate who fulfills the criteria for the number of publications, the area-weighted citation effect, the average number of citations per publication, the percentage of publications in the top 10% most cited articles in the world, the percentage of publications in the top 10% most cited journals in the world, and the rate of international publications expected to be above. Candidates who cannot meet at least two of these criteria will not be considered. At the same time, the candidate's performance is added to the broadcast performance of the relevant department, and his contribution to the department's performance is examined. The candidate's publication performance (number, citation, quality) is required to be in a direction that will increase the academic competence of the department. Particular attention is paid to ensure that the citation weight is above the world average of 1.

A detailed and analytical examination of the candidate's academic qualifications and performance is mandatory in evaluating applications. In the evaluation, the place and potential of the candidate in the field of science, his contribution to education, professional experience and assistance, the gifts he has brought or can bring towards the goals of the unit he applied for, and his contribution to the university/unit management and other university services are taken into consideration.

The academic personnel recruitment application process begins by announcing it on the institution's website. The suitability of the first applications made with a CV to a particular academic staff is examined by EBRD, and appropriate applications are forwarded to the rector, the relevant dean, and the head of the department.

The academic competence of the candidates is meticulously evaluated in the applications. In addition to knowledge of English, English education proficiency is also sought. Candidates determined by the department board give an English seminar in the department they apply to. This seminar is announced to all academic units of the Institute by e-mail, and all lecturers of the relevant department attend this seminar. The department board evaluates the seminar and other features and makes a positive or negative decision.

The provisions of the "Regulation on Foreign Language Teaching in Higher Education Institutions and the Principles to be Followed in Teaching in a Foreign Language" are applied in the language score to be sought in the assignments to be made transferred or openly to the teaching staff. As a result of the evaluations, a cover letter containing general information that will facilitate their campus life is sent to the academicians who are decided to start working at our Institute and whose appointments are finalized. The offices and equipment needed by the appointed faculty members are coordinated by AIKIB and prepared before they start their duties. An orientation is given by AEKIB to all academic staff starting their duty on IZTECH support units, Teknopark İzmir, and Atmosphere Technology Transfer Office, and they are introduced to the managers of the relevant department.

Our Institute's academic staff assignment processes are briefly as follows:

The candidate applies to the vacancy announcement on the institution's website or to the department he is interested in. All applications are received by AIKIB. A cover letter is sent to the rector, the relevant dean, and the head of the department. The candidate gives a seminar in English on the research he is working on by the invitation of the head of the department to which he is applying. The seminar announcement is sent to the entire university by e-mail. The department chair ensures the participation of all faculty members of the relevant department in the seminar. The department's opinion on the candidate is discussed at the departmental board, and a positive or negative decision is made.

Appointments and promotions are finalized by the opinions of the department and external referees (3 or 5 referees) and the evaluation of the SciVal analysis is reported at the IZTECH Executive Board.

In the course assignments in the institution, the level of overlap between the competencies of the education-teaching staff (field of study/academic specialization etc.) and the course contents are determined by negotiating with the academic boards at the undergraduate and graduate levels.

To maintain the academic/professional development of the teaching staff and to improve their teaching skills, first of all, a particular room, computer, laboratory, consumables, and stationery materials are allocated to each new faculty member. Each new faculty member is given priority in purchasing machinery and equipment in their first year.

It is ensured that the weekly course hours of the lecturers are kept low. In this way, it is foreseen that they will find the necessary time both to deepen their knowledge of the courses they teach and to carry out research projects.

Faculty members are provided a certain amount of support for their participation in international and domestic conferences. Faculty members can use their annual academic leaves, which are given at specific periods, at universities abroad to conduct research in their fields of expertise. Faculty members can benefit from teaching mobility within the scope of the ERASMUS exchange program.

Educational performances are monitored through the IZTECH Course Evaluation Questionnaire, prepared for each course at the end of the semester and filled by the students

taking the course through the Student Information System. A certain number of faculty members with the highest performance are awarded throughout the Institute by following the research outputs.

İzmir Institute of Technology Principles on Minimum Academic Promotion and Appointment Criteria accepts that scientific-academic inbreeding, which is defined as the recruitment of a student by a faculty member, is an essential problem in front of the scientific development of universities. In this framework, it does not consider appropriate, in principle, to appoint doctoral graduates who have received their doctorate from IZTECH or whose advisor/assistant advisors are academics at IZTECH to the post of doctoral lecturer and lecturer at IZTECH.

The Institute provides "Startup Support" to faculty members who started their academic career at IZTECH after an intense doctoral or post-doctoral study period to start their research activities without wasting time. The Startup Support Program began in 2012. After a specific experience, it gained an official qualification with the "Izmir Institute of Technology Initial Support Application and Application Procedures" approved by the Institute Administrative Board in 2016. Within the scope of this program, academic members who started their academic career at IZTECH for the first time and received awards from respected national and international institutions are given the support determined by the Graduate School Administrative Board at the beginning of each year. Two faculty members who received the TÜBA GEBİP award benefited from this support in 2021. Apart from the initial support, the demands of the newly appointed faculty members are primarily handled, and research support (machinery/equipment, consumables, etc.) and laboratory are provided.

Weekly course and project loads of faculty members are optimized with the "Capacity Planning Model Program" developed by IZTECH. The need for faculty members is also determined by the aforementioned model. The lectures the faculty members give, the projects they take, the theses they manage, and the academic incentive score are included in the model. For each faculty member in the model, course, laboratory, thesis, and administrative task load, class sizes, the year of establishment of the department, and a load coefficient in hours are created. Resource allocation planning is also done by considering the total score of the department.

IZTECH applies an educator evaluation questionnaire to his students at the end of each academic term to evaluate the performance of their instructors. According to this educator evaluation survey results, it determines and rewards the faculty members who deserve the most successful educator award. This system is aimed to increase the efficiency of the instructor.

Appointment, promotion, and assignment criteria

Maturity Level: There are internalized, systematic, sustainable and exemplary practices.

Proofs

- [B.4.1. Fen - Görev süresi Uzatma için Puanlama Örnek.pdf](#)
- [B.4.1. Fen - İlk atama için Puanlama Örnek.pdf](#)
- [B.4.1. Fen - PUANLAMA ÇALIŞMA TABLOSU-İLK ATAMA.docx](#)
- [B.4.1. Fen - PUANLAMA ÇALIŞMA TABLOSU-UZATMA.docx](#)

- [İYTE-Minimum-Akademik-Yükseltme-Ve-Atama-Ölçütleri-İle-İlgili-Esaslar-12.09.2019-tarihli-YÖK-Genel-Kurulu.docx](#)

Teaching competencies and development

Maturity Level: There are internalized, systematic, sustainable, and exemplary practices.

Proofs

- [İYTE-Minimum-Akademik-Yükseltme-Ve-Atama-Ölçütleri-İle-İlgili-Esaslar-12.09.2019-tarihli-YÖK-Genel-Kurulu.docx](#)
- [UZEM - B.4.2. Öğretim yetkinlikleri ve gelişimi.docx](#)

Incentives and rewards for educational activities

Maturity Level: Incentive and reward practices are monitored and improved.

Proofs

- [Endtas B4.3.pdf](#)
- [Ders Değerlendirme Anketi Sonuçları.pdf](#)
- [Application1\(2022-4-5\)0001.pdf](#)
- [Application1\(2022-4-5\)0002.pdf](#)
- [Application1\(2022-4-5\)0005.pdf](#)
- [ÖDÜL Sertifikası 1.pdf](#)
- [ÖDÜL Sertifikası 2.pdf](#)
- [ÖDÜL Sertifikası 3.pdf](#)

B. RESEARCH AND DEVELOPMENT

1. Management of Research Processes and Research Resources

1.1. Management of Research Processes

IZTECH has become one of the leading research universities in our country, and the research ecosystem is a qualified area where IZTECH senior management focuses on it with great sensitivity and creates original management and operational structures.

In Strategic Plan for the 2019-23 Term, prepared with our institute "research university" perspective, our mission/vision statements and axis-specific 5-year goal-target-performance indicators have been revealed. Six strategic objectives and 13 targets determined in the main development axes defined as Scientific Research and Innovation in Strategic Plan have been measured with 43 indicators and constantly reviewed through 6-month monitoring and annual evaluation processes. In addition, IZTECH Research Policy Document (along with other quality policy documents), which reflected our approach to the research and development axis in 2021, was prepared as a top strategy document on the basis of participation and accepted with the decision of the Institute Board of Directors, dated 20/04/2021, 13th meeting, number 8, published on Institute website. (<https://iyte.edu.tr/hakkinda/kalite-guvencesi-sistemi/>).

A top-down structure with clearly defined duties, responsibilities, and authorities have been established to create an ecosystem for researchers in order to reveal their potential in the best way in the management of research processes at IZTECH. This structure consists of three main pillars in cooperation and communication, namely the Research Directorate (AD), IZTECH Integrated Research Centers Directorate (IRC-D), and Teknopark İzmir, under the supervision of the Rector and the Vice-Rector responsible for research in cases he delegates. Currently, Technopark and its affiliated Technology Transfer Office (TTO) are coordinated and managed directly by the Teknopark İzmir Board of Directors represented by the Rector, and AD and IRC Directorates are coordinated and managed by the Vice-Rector responsible for research. (<https://iyte.edu.tr/hakkinda/kurum-semasi/>).

These three units provide the required ecosystem for research on human resources, which is the most vital aspect of IZTECH. While keeping the essential research infrastructure opportunities for the academy and industry at a high level, IZTECH also supports the research studies of the faculty members in the thematic laboratories and the education given in the faculties and departments. In addition, with the synergy of these units, the formation of entrepreneurship and innovation ecosystem, transformation and commercialization of academic knowledge into products, and realization of academy-industry cooperation.

The contributions of the main units of IZTECH research ecosystem to this structure, whose boundaries and responsibilities have been drawn, are summarized below.

Research Directorate

The Research Directorate was established in 2014 to optimize the processes of determining/following up/revising the research strategy and targets at our institute.

The aims of the Research Directorate are as follows; It is the development of basic concepts related to research, development, implementation infrastructure, and consultancy projects and activities related to academic development support programs in an integrated framework. It is the determination and updating of the Institute's research and development policies and objectives. It is protection in terms of Intellectual and Industrial Property Rights (IPR). It is modeling the penetration of the Technology Transfer Office into the institution. It can be listed as suggesting other collaborations. Another important function of the unit is to create an interface between Atmosphere TTO, which was established and continues its activities within the scope of TÜBİTAK 1513 Technology Transfer Office Support Program, and researchers from IZTECH. IZTECH Research Directorate is responsible for coordinating issues such as the collection/evaluation of research data in IZTECH, including studies on technology transfer, directing related studies to TTO, and the penetration of TTO's activities into the research ecosystem, especially among researchers from IZTECH. IZTECH Research Directorate works in cooperation with TTO rather than carrying out independent studies in the fields of activity of TTO. In addition, the AD develops the strategies of the Scientific Research Projects Coordinatorship (BAP-K), affiliated to the AD and within IZTECH, to increase both national and international resources, and makes plans to increase resources every year.

IRC Directorate

In order to make the test and analysis and research infrastructure offered to academicians and researchers from the industry, both inside and outside of IZTECH, effective and sustainable, an administrative structure has been established at IZTECH, starting from the Rector and covering all centers with an integrated approach.

At the center of this structure is the IRC Directorate, which is a first at universities in Turkey and is considered as a model. To make the test and analysis services offered by IZTECH application and research centers effective, widespread and sustainable and to institutionalize them. In order to ensure that all research and application centers are coordinated under one roof, the Integrated Research Centers Directorate was established with the decision no. 3 of the IZTECH Senate on January 23, 2019. Duties, responsibilities, and working principles are determined by the IRC Directorate Directive (<https://tam.iyte.edu.tr/wp-content/uploads/sites/37/2020/02/TAM-Yonergesi.pdf>).

By creating Physical Infrastructure Coordination, Software Infrastructure and Access, Quality Control, and Accreditation Units, the organizational structure of IRC-D were clearly drawn in 2021, and a decision was taken at the Rectorate level.

IRC Test-Analysis Services Directive has been prepared and put into practice to link the services provided to internal and external academicians and researchers from industry to institutional principles (https://tam.iyte.edu.tr/wp-content/uploads/sites/37/2021/05/FULL-Servis_Yonerge2021.pdf). As a result of the directions pointed out by this directive, each researcher can access IZTECH IRC services under the umbrella of the institution they are affiliated with, how and with which rights they can access the web page (<https://tam.iyte.edu.tr/>), IRC catalog (<https://tam.iyte.edu.tr/wp-content/uploads/sites/37/2021/12/katalogTAM-01-01-2022.pdf>) and EAS-e-TAM Application (<https://eas-e-tam.iyte.edu.tr/>) clearly and transparently.

All administrative and strategic decisions of the centers within IRC-D (such as center analysis prices, determination, and allocation of test analysis credits to be provided to researchers, activities such as training, device purchase, etc.) are taken by the IRC Board of Directors. IRC Director and Center Directors are natural members and represented by an independent member appointed by the Rector.

All activities carried out during the year that include all centers individually at the beginning of the following year and at the end, what has been done and planned by under the headings of the IRC Director, the needs of the Institute's senior management (Vice-Rectors and Faculty Deans and Director of Graduate Education Institute) and the previous year are evaluated. Strategies for the following years are determined.

In a special meeting of the IRC Board of Directors, the infrastructure needs of the centers are determined on a statistical basis (device usage statistics for the EAS-e-IRC application) and presented to the Rector as a report. Strategic investments are determined in order to ensure the continuity and practical sustainability of the test analysis services of the centers. In line with these identified needs, large-scale infrastructure projects are prepared with the joint ventures of the centers and presented to different institutions.

The above-mentioned organizational structure was recognized by UNESCO in September 2019 and accepted as a Center of Excellence within UNESCO TWAS (<https://iyte.edu.tr/haber/iyte-tam-twas-unesco-tarafindan-mukemmeliyet-merkezi-secildi/>).

Technopark İzmir

Teknopark İzmir is among the most successful Technoparks in Turkey in the "Technology Development Regions Performance Index" announced by the Ministry of Science, Industry, and Technology, with its 182 domestic and foreign R&D companies currently in its region, over 1600 R&D and support personnel, a total turnover of over 2 billion TL, an export of nearly 140 Million Dollars, and over 200 FSMH applications.

Teknopark İzmir, which implemented the Innovation Center, Turkey's first guided project supported by the development agency, in 2016, provides an incubation environment for all innovative ideas with its ClassBoom Incubation Center. The atmosphere continues to combine the qualified technological information produced through TTO with the industry. It is on its way to becoming the center of innovation and entrepreneurship in the region with the Izmir NIC (Network and Innovation Center) project, which is continued, and co-financed by the EU and the Republic of Turkey. (İzmir Network And Innovation Center organization (İzmir NIC): <https://www.izmirnic.com/projectteam/>).

İzmir Technology Development Zone (Technopark İzmir), which creates a mechanism open to all stakeholders with a participatory model, carries out its activities by receiving support from a wide area. With the consultation platform it has established, it is a wide area where academics, industrialists, incubators, technopark companies, students, representatives of relevant public institutions and organizations, representatives of relevant non-governmental organizations, technopark management companies and technology transfer office representatives participate.

İzmir Technology Development Zone 2019-2023 Strategic Plan was completed in December 2019 due to search meetings.

The services provided to the entrepreneurs to be located in the İzmir Technology Development Zone, which was established in accordance with the Technology Development Law No. 4691, and the procedures and principles regarding the activities and practices to be carried out in the Zone are regulated by the Teknopark İzmir Operating Directive. (<https://teknoparkizmir.com.tr/tr/kurumsal/isletme-yonergesi/>).

1.2. Internal and External Resources

The 2021 outlook regarding the resources and usage areas allocated and created by our institute for the development of our research ecosystem is explained in detail below based on our basic units operating in the field of R&D.

Research Directorate

To support research infrastructures, with the Senate Decision dated 25/12/2018 and numbered 24/1, the Principles and Principles Regarding İzmir Institute of Technology TÜBİTAK ARDEB Institution Share Expenditures were accepted. It is guaranteed that the funds will be allocated specially for the purchase of devices for research centers, the maintenance and repair of existing devices, and the research consumables of the centers. Institutional shares are used for R&D purposes, as required by TÜBİTAK legislation.

The research strategy of the institution has been handled holistically and multidimensionally. Our primary goals are to develop international and national collaborations to increase research resources and researcher manpower, to produce projects that will contribute to the development of İzmir and the Aegean Region, to evaluate regional natural resources and to produce projects for the protection of the natural environment.

Faculty members and researchers from IZTECH received their academic degrees from distinguished education and research institutions in our country and around the world. While they continue to work in their own research areas at IZTECH, they also carry out focused projects in areas that have priority in the science-technology-design triangle of IZTECH. Our institution has carried out and is carrying out many projects in the fields of science-technology-design that it determined at its establishment. Since the number of faculty members was between 100-200 in 2016, our institute was able to request Strategy Document preparation support in only two fields within the scope of TÜBİTAK 1000 Program and received support in both fields (nanotechnology and biotechnology) it applied for. Although a research and application-oriented education system is implemented in our Institution, in the strategic planning process for the 2019-2023 period, targets have been determined by increasing the number of international academic staff that will provide a versatile perspective and research and application-based multidimensional education opportunities for our students, supporting other initiatives to become an international university, and focusing on the use of technological innovations by developing the physical infrastructure in education in accordance with the mission and vision of our Institute. In addition, it is among our goals to produce projects contributing to the development of İzmir and the Aegean Region, to evaluate regional natural

resources, and to produce projects to protect the natural environment (<https://atmosfertto.com>), (<https://teknoparkizmir.com.tr/>).

İzmir Institute of Technology Scientific Research Projects Coordinatorship (BAP-K), under the Regulation on Scientific Research Projects of Higher Education Institutions, enacted based on Article 58 of the Higher Education Law No. 2547; It was established with the Senate Decision No. 3, dated 23.01.2019, with the aim of efficient operation and regular monitoring of all national and international research project activities of IZTECH. It ensures that the technical and administrative support needed in the proposal, application, realization, and conclusion processes of the research projects carried out/to be carried out or partnered by IZTECH faculty members are provided quickly. It operates to coordinate the relevant units (<https://bap-k.iyte.edu.tr/wp-content/uploads/sites/270/2021/09/2021-1-BAP-KOMISYON-KARARI.pdf>, <https://bap-k.iyte.edu.tr/research-incentive-awards-given-by-iyte-rector/>).

IRC Directorship

The centers within IRC-D merged among themselves, especially in 2021, and wrote joint projects with other institutions and put them into practice. The first of these projects; The IRC Infrastructure Maintenance Project, which was written by MAM, Environment R&D, Biomer and Geomer centers, and presented to the Presidency SBB, was accepted for the years 2022 and 2023 (with the option to extend it to 2024 and beyond) with a budget of 20 million TL.

The second of these projects; is the infrastructure project for establishing a new center (RUZMER) submitted to the Izmir Development Agency and accepted by the İZKA Executive Board, and brought to the signature stage of the Ministry. With an approach that can be said to be the first, the project aims to improve the infrastructures of the two existing centers (MAM and Environmental R&D), gain new infrastructures (Environmental and Structural Conditioning Analysis Laboratories), and joint and integrated use with RÜZMER. Its budget is 34.5 million TL, 75% of which is covered by İZKA and 25% from IZKA resources. It is expected that such projects will continue in the future.

Protocols for the joint use of the centers under IRC with other institutions continue to be signed. In this context, a protocol was signed with Tınaztepe University, IBG, and Concept Vocational School. A workshop was held with Bakırçay University to create a joint research ecosystem.

The needs of the centers under the IRC Directorate (device purchase, consumption, maintenance, and repair) are handled in an integrated manner by the IRC Board of Directors with the joint decision of all center managers. In determining the needs, the EAS-e-IRC application was developed in IRC and designed to enable the statistical analysis of each device in desired periods in terms of both the service provider (centers) and the service recipient (IZTECH and other university researchers and industry), is used. The statistical information provided by the application and how often the devices are used are taken as a basis in the decision process.

The primary devices that need to be purchased or renewed for the renewal or improvement of the infrastructure are determined by the joint decision of all the center managers on the IRC Board of Directors. It is presented to the top management in the form of a IRC Board of Directors resolution. It has been observed that the use of this budget creates significant

advantages that directly affect the use of the budget, such as preventing duplications, strategically determining priority devices on the basis of all centers, and increasing bargaining power in purchases.

As for consumables, maintenance, and repair expenditures, a purchasing unit was established under the Physical Infrastructure Coordination Unit under IRC, where the needs of all centers are collected, and their purchases are organized. This unit organizes the requests received from the centers, including the follow-up and confirmation of the proforma, and delivers them to the purchasing unit of the rectorate. In this way, besides the monetary savings achieved, it has been possible to precisely monitor all consumables and maintenance and repair expenditures based on centers. The positive sanction effect created on service providers by monitoring all purchases from a single point is another budget performance advantage of this structure.

The common and integrated sourcing approach described in detail above and the role of the IRC Board of Directors in resource management are regulated in the IRC Director's Directive. (<https://tam.iyte.edu.tr/wp-content/uploads/sites/37/2020/02/TAM-Yonergesi.pdf>). Again, the terms of delivery of the services provided by the centers under the IRC Directorate are bound to institutional principles and are regulated in the IRC Test and Analysis Services Directive.

All test and analysis services provided to IZTECH academics within the body of IRC are carried out with a credit system defined as IRC Credit, which is opened on an annual basis in line with the collected requests and which is allocated and followed under the supervision of the IRC Board of Directors over the EAS-e-IRC system. The IZTECH Revolving Fund Management Directorate collects all other requests in a shared pool. Every amount deposited in the revolving fund account is automatically tracked over the EAS-e-IRC system, depending on which center or device it is based on. In this way, it is possible to obtain instant statistical data from where, to which center, for which test and analysis, the amounts obtained from external sources are transferred. These data are evaluated when making internal resource use (for example, devices with or without outsourcing and the costs of these devices) or when making new resource creation decisions (how much which project, company or area uses). In addition, by comparing the distribution of resources transferred to the revolving fund with the distribution of IRC loan utilization, the ratio of the services provided by the centers to IZTECH faculty members free of charge can be determined. These data are used in the creation of new device acquisition strategies.

As detailed above, IZTECH has implemented the following unique approaches and practices:

- Establishment of the IRC Directorate, the functioning of which is determined by an institutionalized directive by the IZTECH Senate.
- Making it transparent and known for users, by whom and how all services provided by the centers will be received with the IRC Test and Analysis Services Directive.
- Opening all services provided with the EAS-e-IRC application to remote access in terms of ease of use, making them follow-up in terms of ensuring equality of access, and enabling statistical analyzes in terms of strategic planning.
- Creation of the IRC web page where all centers and the EAS-e-IRC application can be accessed from a single point.

- Launching the IRC Loan system, which provides free access to IZTECH users and prevents them from taking unregistered tests and analyses, has been successfully maintained for 3 years.
- Taking all the centers' decisions with an integrated approach, in the IRC Board of Directors, of which all the center managers are members.

Technopark İzmir

İzmir Network and Innovation Center (İzmir NIC) Project: It is the project carried out by Teknopark İzmir for the commercialization and internationalization of new technologies within the scope of the Competitive Sectors Program. The project, co-financed by the European Union and the Republic of Turkey and carried out in cooperation with the Ministry of Technology and Industry, has a budget of 2.8 million Euros. (<https://www.izmirnic.com/>).

Continuing within the scope of TÜBİTAK Individual Young Entrepreneurship (BIGG) project, BIGG Synergy is formed with an award mechanism within the scope of the projects won. Its budget is approximately 400.000TL/year (<https://teknoparkizmir.com.tr/tr/haberler/teknopark-tan-haberler/8-girisimcimize-bigg-destegi/>, www.biggsinerji.com).

TÜBİTAK 1513 Technology Transfer Office Support Program: Its 2021 budget is 789,657,81 TL (<https://www.atmosferto.com/>).

İZTEK A.Ş Project Partnerships. The budget for 2021 is 391,630 TL.

Technopark İzmir – Games United Game Incubation Program. Teknopark İzmir - Games United Game Incubation Program was created to bring game developers together and create a game ecosystem in the Region. All entrepreneur candidates who have an innovative game idea and want to gain experience by developing their idea are accepted. (<https://teknoparkizmir.com.tr/tr/haberler/teknopark-tan-haberler/teknopark-izmir-games-united-oyun-kulucka-programi-yurutecek/>).

A cooperation protocol was signed between Teknopark İzmir and the Aviation and Space Clustering Association. (<https://teknoparkizmir.com.tr/tr/haberler/teknopark-tan-haberler/savunma-sanayi-alaninda-onemli-ibirligi/>).

A cooperation protocol in education was signed between İzmir Institute of Technology (IZTECH), Bornova District Directorate of National Education, Teknopark İzmir, and İzmir Science High School. (<https://teknoparkizmir.com.tr/tr/haberler/teknopark-tan-haberler/egitimde-ibirligi-protokolu-imzalandi-/>).

1.3. Doctoral Programs and Post-Doctoral Opportunities

Doctorate degree programs at IZTECH; Computer Engineering, Bioengineering, Environmental Science and Engineering, Electronics and Communications Engineering, Physics, Food Engineering, Civil Engineering, Chemistry, Chemical Engineering, Mechanical Engineering, Industrial Biotechnology, Medical Biotechnology, Photonics Science and Engineering, Materials Science and Engineering, Mathematics, Architecture Restoration, Architecture, Molecular Biology and Genetics, International Water Resources and Urban and Regional Planning departments. (<https://lee.iyte.edu.tr/lisansustu-programlar/>).

Many of our graduates who have received doctorate degrees are in various research-educational institutions in Europe and the USA in order to do their post-doctoral studies. The institution has policies for establishing and using the physical/technical infrastructure and financial resources required for its activities within the scope of research priorities. There are centers in IZTECH with a transparent and widespread working order, especially in priority areas. The infrastructure required for education and research in the departments is supported to the maximum extent. In addition, special attention is paid to central laboratories. For its activities within the scope of research priorities; Creating and using the necessary physical/technical infrastructure and financial resources, it is envisaged to implement mechanisms that will enable closer cooperation with international institutions and organizations. It is aimed to increase the interaction of researchers and students, and to carry out studies that will increase the rate of targeted research in coordination with regional and national industry. (<https://personel.iyte.edu.tr/wp-content/uploads/sites/106/2021/09/Guest-Ara%C5%9Ft%C4%B1rma%20-%20Kabul%20-%20Uygulama-Y%C3%B6nergesi.pdf>).

For 2022 term, additional credit has been allocated for post-doctoral researchers, for master's and doctoral students, for the test and analysis credit offered to all faculty members who apply within the scope of IRC Credit. In this way, every faculty member who is a postdoctoral researcher in his laboratory will be able to receive testing and analysis services in the amount of 10,000 TL per researcher per year.

IRC, which has the status of TWAS-UNESCO Center of Excellence, provides support, which means a blank check, to all external researchers coming to IZTECH in order to benefit from testing and analysis services. 16 external researchers applied to IZTECH in 2021. Its operations have been continuing. It is thought that this opportunity will significantly increase the number of postdoctoral researchers who want to come to IZTECH.

All post-doctoral researchers working at other universities benefit from a 40% discount on the test and analysis fees used by other university faculty members. These conditions are guaranteed by the IRC Test and Analysis Services Directive. (https://tam.iyte.edu.tr/wp-content/uploads/sites/37/2021/05/TAM-Hizmet_Yonerge2021.pdf).

Another critical opportunity that makes a difference by being provided to doctoral students by our institute is our Teknopark İzmir. Postgraduate students from IZTECH have the opportunity to work full-time and part-time in Teknopark İzmir R&D companies. Our students also have the opportunity to establish their own R&D companies during or after their doctorate. We currently have 8 doctoral students working in Teknopark İzmir R&D companies.

Management of research processes

Maturity Level: There are internalized, systematic, sustainable and exemplary practices.

Proofs

- [Araştırmalar Direktörlüğü Yönergesi.pdf AD_organizasyon şeması.png](#)
- [İYTE FSMH Yönerge.pdf](#)
- [Fikri ve Sınâî Mülkiyet Hakları Değerlendirme ve Destekleme Süreci.png](#)
- [İYTE_Uluslararası_Projeler_Surec_Semasi.pptx](#)

- [AD Yürütme Kurulu Toplantı Örneği.pdf](#)
- [BAP-K-Çalışma Usul ve Esaslar.pdf](#)
- [BAP-K Organizasyon Şeması.png](#)
- [İYTE BAP Yönergesi.pdf](#)
- [TAM Kurulus-Senato Kararı.pdf](#)
- [TAM teşkilat şeması.pdf](#)
- [Örnek TAM YK kararı.pdf](#)
- [2021 Yılı faaliyet raporu sunum daveti.pdf](#)
- [TAM-Faaliyet Sunumu.pdf](#)
- [Cumhurbaşkanlığı Proje Başvurusu.pdf](#)
- [RUZMER Projesi.pdf](#)
- [Teknopark İzmir Organizasyon Semasi.jpg](#)
- [2021 yılı TTO Faaliyet Raporu.pdf](#)

Internal and external resources

Maturity Level: There are internalized, systematic, sustainable, and exemplary practices.

Proofs

- [İYTE-TÜBİTAK-ARDEB-Kurum-Hissesi-İlke-ve-Esaslar.pdf](#)
- [2021-Yılı-İYTE-Projeler Detay Tablosu.pdf](#)
- [Akademisyenlerin Görev Aldığı Sanayi Projeleri.docx](#)
- [AD Yürütme Kurulu Toplantı Karar Örneği.pdf](#)
- [TTO Faaliyetleri \(Sanayici-Firma-Araştırmacı görüşmeleri\).xlsx](#)
- [2021-1-BAP-KOMISYON-KARARI.pdf](#)
- [Kavram Meslek Y.O Protokolü.pdf](#)
- [Bakırcay Sunumu.pdf](#)
- [Tınaztepe Protokolü.pdf](#)
- [Örnek EAS-e-TAM İstatistikleri.pdf](#)

Doctoral programs and postdoctoral opportunities

Maturity Level: The outputs of doctoral programs and post-doctoral opportunities are regularly monitored and improved in the institution.

Proofs

- [Lisansustu-Ogrenci-Sayilari--01.11.2021.pdf](#)
- [TÜBİTAK 2244 Sanayi Doktora Programı Proje Listesi.pdf](#)
- [İYTE-Minimum-Akademik-Yükseltme-Ve-Atama-Ölçütleri-İle-İlgili-Esaslar.docx](#)
- [İYTE Yönetim Kurulu Kararı.pdf](#)
- [İYTE YK karar örneği.pdf](#)
- [Misafir-Araştırmacı-Kabul-ve-Uygulama-Yönergesi.pdf](#)
- [TWAS-UNESCO.pdf](#)

2.Research Competence, Collaborations, and Supports

2.1. Research Competencies and Development

Research competencies and development issues based on the processes of our basic units operating in the field of R&D are explained by our institute in detail.

Research Directorate

In 2021, it primarily aimed to develop national and international collaborations and increase the number of scientific research projects. In line with this purpose, representatives and academics of national and international institutions and organizations were met, cooperation studies were carried out, and essential collaborations were conducted in the national and international arena. <https://research.iyte.edu.tr/etkinlik/sample-event/>.

Academics and students were guided, entrepreneurial ideas and researchers were supported for the purpose of commercialization of academic knowledge at Teknopark İzmir and Atmosphere TTO.

It has been worked in coordination with Atmosphere TTO on the subjects of protection of Intellectual Industrial Property Rights, the transformation of ideas into enterprises, and commercialization. Meetings and private meetings were organized with the relevant companies and researchers in Teknopark İzmir to evaluate the research potential. In addition, plans were made to commercialize to transfer technology and the academic knowledge produced by IZTECH researchers with the coordination of TTO. Studies have been carried out to match research with commercialization potential with those in Teknopark İzmir and the other R&D companies.

The project information carried out by the researchers was routinely evaluated, and the necessary studies were made to improve the numbers and are continuing within the scope of the national and international support programs followed by the Scientific Research Projects Coordinatorship (BAP-K) within the scope of the Research Directorate in 2021 (<https://bap-k.iyte.edu.tr/iyte-rektorlugu-tarafindan-verilen-arastirmaci-tesvik-odulleri/>).

In addition, meetings and interviews were held with the Senior Management and IZTECH researchers to realize improvements in this regard of all research data in IZTECH; "Research Universities Performance Monitoring Index" requested by YÖK from Research and Candidate Research Universities determined by the "Entrepreneurial and Innovative University Index", "Mission Differentiation and Specialization Project", in which universities are ranked according to their entrepreneurship and innovation performance by TÜBİTAK, and "University Annual Monitoring Index" announced by YÖK and the results explained in the "Evaluation Report" were analyzed..

The "Entrepreneur and Innovative University Index" application file in which universities are ranked according to their entrepreneurship and innovation performance, has been prepared by TÜBİTAK according to four dimensions: Scientific Technological Research Competence, Intellectual Property Pool, Cooperation and Interaction, and Economic Contribution and Commercialization. has been sent to TÜBİTAK. It was ranked 9th according to the index announced in 2021.

The Research Universities Performance Monitoring Index application file requested by YÖK from the Research and Candidate Research Universities determined within the scope of the

"Mission Differentiation and Specialization Project" that brought diversity to higher education by YÖK was prepared and sent under the headings of Research Capacity, Research Quality, Interaction and Cooperation. IZTECH increased its performance score by 7 points compared to the previous year and became the "4th Most Successful Research University" in Turkey (<https://www.yok.gov.tr/Sayfalar/Haberler/2021/arastirma-universiteleri-ile-toplanti.aspx>).

The "University Annual Monitoring and Evaluation Report" file that was requested by YÖK again, was prepared and sent in order to "qualify the studies and activities carried out by universities in line with their global and national objectives and to determine the development of academic and social competitiveness of universities qualitatively". (<https://www.yok.gov.tr/Sayfalar/Haberler/2021/2020-universite-izleme-ve-evaluation-reportlari-aciklandi.aspx>).

Our institute has increased its ranking by 20 steps compared to the previous year and has succeeded in becoming the best 198th university in the World in the International Green Metric 2021 ranking, which evaluates universities in sustainability, education, and research (<https://iyte.edu.tr/manset/iyte-green-metric-2021-verisinde-gore-dunyanin-en-iyi-198-universitesi/>). At the same time, our Institute was included in the rankings of "The World University Rankings" and another higher education rating institution, QS, in 2021.

IRC Directorship

IZTECH faculty members are allocated IRC Credits proportionally in regard to the number of graduate, doctoral students, and post-doctoral researchers for free access to testing and analysis services provided at the centers within IRC.

A 50% discount is applied to the testing and analysis services provided at the centers within IRC for easy access of graduate, doctoral students, and post-doctoral researchers from faculty members other than IZTECH academic member.

All IRC testing and analysis services are available for remote access via the EAS-e-IRC system for academics and researchers in Turkey (and other countries). In this way, the user can order the test and analysis he wants with the logic of a shopping site, can send his samples by cargo, can follow the test and analysis process and can download the results remotely.

Our centers are within IRC has been opening training and certification programs for internal and external stakeholders. The Continuing Education Center, which operates within the body of IRC, both provides great convenience to be declared and brings institutionalism in organization. (<https://mam.iyte.edu.tr/2019/09/23/mikroskopi-egitim-gunleri/>, <https://sem.iyte.edu.tr/#Programlar>)

Technopark İzmir

There is an active pre-incubation center in Technopark İzmir. The target audiences determined within pre-incubation services are researchers and academicians, university students, techno-entrepreneurs, potential, and active entrepreneurs. The main supports provided within this scope are; training of entrepreneurs, marketing and business development support, financing support,

consultancy services for national and international support programs, and angel investor and investor meetings. (<https://teknoparkizmir.com.tr/tr/projeler/classboom/>).

Within Technopark İzmir, there are incubation services that provide free infrastructure and qualified services for the first three years to the startups that have completed their incorporation. Discounted offices, free training, mentoring, and coaching services are provided to entrepreneurs in incubation centers. (<https://teknoparkizmir.com.tr/tr/projeler/classboom/>).

Instructors can establish a company in Technopark İzmir with the permission they will receive from the university administrative boards. He can become a partner or take part in an established company. R&D companies established by faculty members in Technopark İzmir, are supported as Incubation Firms. In this context, it benefits from various advantages. In addition, Faculty Members carry out joint projects with companies within Technopark İzmir. (<https://teknoparkizmir.com.tr/tr/olanaklar/akademisyenler-icin/>).

Within the Izmir NIC Project and the EU aims to increase the level of entrepreneurship, internationalization, and commercialization of companies. In 2021, 2 companies owned by faculty members working at IZTECH were deemed worthy of support within this project's scope.

Within the scope of the TÜBİTAK BIGG Synergy program, 12 academicians took the step into entrepreneurship and received training, and 2 of our academics established a company.

2.2. National and International Joint Programs and Joint Research Units

The approach was developed by our institute's national and international joint programs. Joint research units' sub-criterion was explained in detail below within the scope of the processes of our basic units operating in the field of R&D.

Research Directorate

Support is provided before the project, that can be for national and international programs, during the project preparation and application process, within the scope of policies to increase non-Institute funding sources, and during the project management process. One-to-one and general information meetings are held about the programs, and all up-to-date information about the programs are shared. Calls that may be suitable for the fields of study are followed and examined, and the relevant academicians are informed. National and international project support offices have been established in BAP-K within the scope of the Research Directorate, and have provided project writing and follow-up support to academic staff.

Increasing the number and quality of contracted R&D projects also depends on academics conducting research with commercialization potential and comprehensively investigating the commercial value that may arise at the beginning of these R&D activities. For this reason, it is kept at the forefront of the university's research policy. (<https://www.atmosfertto.com/> , <https://teknoparkizmir.com.tr/>).

IRC Directorate

IRC gained TWAS-UNESCO Center of Excellence status in September 2019. Within this framework, 16 external researchers applied to IZTECH in 2021, and their procedures have still been ongoing. (<https://twas.org/sites/default/files/assoccentres2021.pdf>).

Within the scope of the TWAS-UNESCO program, IRC provides support, which means a blank check to all external researchers who come to IZTECH in order to benefit from testing and analysis services. For example, IZTECH faculty members can receive an additional IRC Credit of 10.000 TL per post-doctoral researcher. It is thought that this opportunity will provide a significant advantage in increasing the number of postdoctoral researchers who want to come to IZTECH.

Within the scope of IRC Horizon Europe Widening participation and strengthening the European Research Area (HORIZON-WIDERA) 04-Excellence Hubs Programme, Zafer Development Agency from Turkey and abroad partners from countries such as Romania and Hungary carry out the application process of a comprehensive project. IRC Director will be as project coordinator, and IRC Deputy Director will be as a project researcher in this project, which IRC-D will coordinate in deed. It is planned to open the IRC test and analysis facilities to other stakeholders (thanks to the experience gained from the EAS-e-IRC experiment) on a much broader platform and to open the opportunities of other partners to researchers in our country through IRC within the scope of the project. Another aim of the project is to establish a circulation network where the academicians at IZTECH and our experts within IRC can visit with the academics and experts of other partners as part of an exchange program.

Technopark İzmir

Technopark İzmir and Game Initiative Studio Games United are running a joint 'Game Incubation Program' in order to bring game developers together and create a game ecosystem in the region. The program is open to all entrepreneurs who have an innovative game idea and want to gain experience by developing their idea (<https://teknoparkizmir.com.tr/tr/haberler/teknopark-tan-haberler/teknopark-izmir-games-united-oyun-kulucka-programi-will-execute/>).

TUBITAK BIGG Synergy program is carried out in partnership with Dokuz Eylul Technology Development and Izmir University of Economics.

Research competencies and development

Maturity Level: There are internalized, systematic, sustainable, and exemplary practices.

Proofs

- [IYTE Uluslararası Projeler Surec Semasi 12122019.pptx](#)
- [Ufuk Avrupa Programı Çevrimiçi Bilgi Günü 9 Şubat 2021.pdf](#)
- [Mühendislik Uygulamaları İçin Proje Yazımı Eğitimi 24-25 Haziran 2021.pdf](#)
- [IYTE-Tınaztepe Üniversitesi İşbirliği 12 Kasım 2021.pdf](#)
- [IYTE-TÜBİTAK AB Projeleri Çalıştayı 28 Aralık 2021.pdf](#)
- [Atmosfer TTO Eğitimleri.xlsx](#)
- [Fikri ve Sınâi Mülkiyet Hakları Değerlendirme ve Destekleme Süreci.jpeg](#)

- [TÜBİTAK-ARDEB-Kurum-Hissesi-İlke-ve-Esaslar.pdf](#)
- [Girişimci Yenilikçi Üniversite Endeksi_2021.pdf](#)
- [Araştırma Üniversitesi_2021.pdf](#)
- [THE.docx](#)
- [QS.png](#)

National and international joint programs and joint research units

Maturity Level: In the Institution, joint programs and joint research activities between institutions and institutions at a national and international level are monitored and improved by evaluating them with relevant stakeholders.

Proofs

- [İYTE Uluslararası Projeler Surec Semasi.pdf](#)
- [2021-Yılı-İYTE-Projeler Detay Tablosu-.pdf](#)
- [Akademisyenlerin Görev Aldığı Sanayi Projeleri.pdf](#)
- [TWAS-UNESCO-.pdf](#)
- [İYTE Yönetim Kurulu Kararı.pdf](#)

3. Research Performance

3.1. Monitoring and Evaluation of Research Performance

Our basic instruments for in-process monitoring and evaluation are the plans, programs, reports, and decisions created within the current planning-programming-budgeting-implementation-results reporting-results improvement cycle within the strategic management structure. Such documents published in the process can be accessed on <https://iyte.edu.tr/hakkinda/stratejik-planlama/>. Especially in the annual activity reports prepared by the units, the activity results, innovations, developments and resources can be monitored, and mini SWOT analyzes are made.

Our institute is one of the official EURAXESS Service Centers of the EU in our country, together with METU, practical from the beginning of 2017. In order to fulfill the requirements of this program, our institution works as a national contact point that aims to be the one of the macro policies of the EU which aims to facilitate the “Free Movement of Researchers” in short, the EURAXESS Service Unit of our Institute will visit the researchers who will come to Turkey through the EURAXESS Turkey portal that informs about the issues that will make daily life easier in terms of country culture, language courses, accommodation, banking, career development.

Within the Human Resources Strategy for Researchers (HRS4R) project, which is thought to create a significant differentiation and acceleration in the monitoring and evaluation processes of research performance within the entire research ecosystem of our institute, 3 private surveys are conducted in 2021. A total of 461 IZTECH researchers (A1-209 people from 21 June 2021- 25 August 2021, A2-133 people from 04 October 2021- 2 November 2021, and A3-119 people from 06 January 2022-07 February 2022) were included in the definition of "researcher") were applied. An internal gap analysis was conducted on 4 main headings and 40 items. Main topics; ethical and professional aspects, recruitment, working conditions and social security, and

vocational training. The results of the gap analysis will be evaluated and put into practice for the purpose of creating the HRS4R IZTECH Action Plan. The works are expected to be completed by April 2022, and our Institution will receive the European Commission HR Excellence in Research award.

The 2021 KİDR C.3.1 sub-criteria for R&D axis main units are explained below.

Research Directorate

Our application file for the "Entrepreneurial and Innovative University Index," in which TÜBİTAK ranks universities according to their entrepreneurship and innovation performance, has been prepared according to four dimensions: Scientific Technological Research Competence, Intellectual Property Pool, Cooperation and Interaction, and Economic Contribution and Commercialization. It has been sent to TÜBİTAK. According to the index announced in 2021, our Institute ranked 9th (2021 Entrepreneurial and Innovative University Index | SCIENTIFIC AND TECHNOLOGICAL RESEARCH INSTITUTION OF TURKEY (tubitak.gov.tr)).

The Research Universities Performance Monitoring Index application file requested by YÖK from the Research and Candidate Research Universities determined within the scope of the "Mission Differentiation and Specialization Project" that brings diversity to higher education by YÖK, was prepared and sent under the headings of Research Capacity, Research Quality, Interaction, and Cooperation. IZTECH increased its performance score by 7 points compared to the previous year and became the "4th Most Successful Research University" in Turkey.

The "University Annual Monitoring and Evaluation Report" file, again requested by YÖK, was prepared and sent in order to "qualify the studies and activities carried out by universities in line with their global and national objectives and to determine the development of academic and social competitiveness of universities" (<https://www.yok.gov.tr/Sayfalar/Haberler/2021/arastirma-universiteleri-ile-toplanti.aspx>), (<https://www.yok.gov.tr/Sayfalar/Haberler/2021/2020-universite-izleme-ve-degerlendirme-raporlari-aciklandi.aspx>), (<https://iyte.edu.tr/manset/iyte-green-metric-2021-verilerine-gore-dunyanin-en-iyi-198-universitesi-oldu/>).

133 applications were received in 2021 within the scope of the academic incentive allowance applications. According to the decisions of the Academic Incentive Regulation, Supervision, and Objection Commission, 132 faculty members were entitled to receive an academic incentive allowance.

IZTECH GCRIS Database, which is a part of the Izmir Institute of Technology research ecosystem and started to be used in 2021, is beyond all research outputs in IZTECH; It also allows to search and discovers research components such as awards, projects, laboratory equipment. It is a research and performance evaluation information system that can provide advanced reporting with different metrics by associating these components with researchers and supports corporate strategic decisions. In addition, it serves as an open institutional academic archive at international standards that brings together and organizes all kinds of academic outputs related to research activities and allows sharing with the whole scientific world by providing long-term protection. (<https://gcris.iyte.edu.tr/>).

IRC Directorate

Thanks to the EAS-e-IRC application, the performance of each test and analysis system in our research infrastructure is made possible by usage statistics based on centers and devices. On the basis of these statistics, strategic decisions are taken regarding device purchases and maintenance and repairs. The fact that these decisions are taken by the IRC Board of Directors, of which all the center managers are members, provides significant advantages in terms of motivation as well as the decisions being the product of an ordinary mind.

Again, with this application, statistics can be obtained at what rates internal and external researchers can benefit from testing and analysis services free of charge, at a discount or with a fee. In this way, it is important for the centers to be clearly known which units and what level of service are provided, in terms of making plans.

Technopark İzmir

For the R&D projects terminated within Technopark İzmir, the requests of the companies that have a "Project Completion Certificate" request are submitted to the referee's evaluation, and the evaluations that are positive by the referee are submitted to the Ministry for approval.

3. Research Performance

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Our basic instruments for in-process monitoring and evaluation are the plans, programs, reports, and decisions created within the current planning-programming-budgeting-implementation-results reporting-results improvement cycle within the strategic management structure. Such documents published in the process can be accessed on <https://iyte.edu.tr/hakkinda/stratejik-planlama/>. Especially in the annual activity reports prepared by the units, the activity results, innovations, developments and resources can be monitored, and mini SWOT analyzes are made.

Our institute is one of the official EURAXESS Service Centers of the EU in our country, together with METU, practical from the beginning of 2017. In order to fulfill the requirements of this program ,our institution works as a national contact point that aims to be the one of the macro policies of the EU which aims to facilitate the “Free Movement of Researchers” in short, the EURAXESS Service Unit of our Institute will visit the researchers who will come to Turkey through the EURAXESS Turkey portalthat informs about the issues that will make daily life easier in terms of country culture, language courses, accommodation, banking, career development.

Within the Human Resources Strategy for Researchers (HRS4R) project, which is thought to create a significant differentiation and acceleration in the monitoring and evaluation processes of research performance within the entire research ecosystem of our institute, 3 private surveys are conducted in 2021. A total of 461 IZTECH researchers (A1-209 people from 21 June 2021- 25 August 2021, A2-133 people from 04 October 2021- 2 November 2021, and A3-119 people from 06 January 2022-07 February 2022) were included in the definition of "researcher") were applied. An internal gap analysis was conducted on 4 main headings and 40 items. Main topics; ethical and professional aspects, recruitment, working conditions and social security, and

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The Research Universities Performance Monitoring Index application file requested by YÖK from the Research and Candidate Research Universities determined within the scope of the "Mission Differentiation and Specialization Project" that brings diversity to higher education by YÖK, was prepared and sent under the headings of Research Capacity, Research Quality, Interaction, and Cooperation. IZTECH increased its performance score by 7 points compared to the previous year and became the "4th Most Successful Research University" in Turkey.

The "University Annual Monitoring and Evaluation Report" file, again requested by YÖK, was prepared and sent in order to "qualify the studies and activities carried out by universities in line with their global and national objectives and to determine the development of academic and social competitiveness of universities" (<https://www.yok.gov.tr/Sayfalar/Haberler/2021/arastirma-universiteleri-ile-toplanti.aspx>), (<https://www.yok.gov.tr/Sayfalar/Haberler/2021/2020-universite-izleme-ve-degerlendirme-raporlari-aciklandi.aspx>), (<https://iyte.edu.tr/manset/iyte-green-metric-2021-verilerine-gore-dunyanin-en-iyi-198-universitesi-oldu/>).

133 applications were received in 2021 within the scope of the academic incentive allowance applications. According to the decisions of the Academic Incentive Regulation, Supervision, and Objection Commission, 132 faculty members were entitled to receive an academic incentive allowance.

IZTECH GCRIS Database, which is a part of the Izmir Institute of Technology research ecosystem and started to be used in 2021, is beyond all research outputs in IZTECH; It also allows to search and discovers research components such as awards, projects, laboratory equipment. It is a research and performance evaluation information system that can provide advanced reporting with different metrics by associating these components with researchers and supports corporate strategic decisions. In addition, it serves as an open institutional academic archive at international standards that brings together and organizes all kinds of academic outputs related to research activities and allows sharing with the whole scientific world by providing long-term protection. (<https://gcris.iyte.edu.tr/>).

IRC Directorate

Thanks to the EAS-e-IRC application, the performance of each test and analysis system in our research infrastructure is made possible by usage statistics based on centers and devices. On the basis of these statistics, strategic decisions are taken regarding device purchases and maintenance and repairs. The fact that these decisions are taken by the IRC Board of Directors, of which all the center managers are members, provides significant advantages in terms of motivation as well as the decisions being the product of an ordinary mind.

Again, with this application, statistics can be obtained at what rates internal and external researchers can benefit from testing and analysis services free of charge, at a discount or with a fee. In this way, it is important for the centers to be clearly known which units and what level of service are provided, in terms of making plans.

Technopark İzmir

For the R&D projects terminated within Technopark İzmir, the requests of the companies that have a "Project Completion Certificate" request are submitted to the referee's evaluation, and the evaluations that are positive by the referee are submitted to the Ministry for approval.

3.2. Evaluation of Instructor/Researcher Performance

133 applications were received in 2021 within the scope of the academic incentive allowance. According to the decisions of the Academic Incentive Regulation, Supervision, and Objection Commission, 132 faculty members were entitled to receive an academic incentive allowance (<https://iyte.edu.tr/duyuru/iyte-akademik-tesvik-odenegi-basvuru-sonuclari-aciklandi/>).

The Personnel Department carries out procedures regarding the appointment of academic staff in İzmir Institute of Technology within the scope of the Regulation on Promotion and Appointment of Faculty Members of the Higher Education Law No. 2547. The provisions of "IZTECH Minimum Academic Promotion and Appointment Criteria" are applied to the academic staff recruited/assigned in our institution. For the other academic staff, the provisions of the "Regulation on the Procedures and Principles Regarding the Central Exam and Entrance Exams to be Applied in Transfer or Open Appointments to the Staff of Faculty Members other than Faculty Members" are applied. All education programs at İzmir Institute of Technology are in English, and the provisions of the "Regulation on the Principles to be Followed in Foreign Language Teaching and Teaching in a Foreign Language in Higher Education Institutions" are applied in the language score to transfer or open appointments to the teaching staff.

Institutional support methods were applied in developing the competence of the institute's research staff. Each year, a certain number of faculty members were awarded based on the number of international articles. Implemented by IZTECH Rectorate as of August 8, 2019, the faculty member with the highest number of publications was awarded the "Publications Encouragement Award." Project Application Encouragement Award was given to faculty members who applied to TÜBİTAK (except 1002) and international projects. The Project Application Encouragement Award was given to our faculty members whose projects were accepted by TÜBİTAK (except for 1002) and to our faculty members who were awarded the prestigious national/international science and art award for at least 10 years. It was appropriate

to give Researcher Support Awards as Project Acceptance Encouragement Awards to our faculty members whose international projects were accepted. In addition, support continued to cover the transportation expenses of faculty members attending national/international meetings to apply for European Union Projects. These supports were spent in line with the principles and principles determined in the Project Institution Share legislation of TÜBİTAK and under the control of our Research Directorate.

In addition, the research competencies of the units were evaluated by presenting the academic unit activity reports to the senior management. (<https://bap-k.iyte.edu.tr/iyte-rektorlugu-tarafindan-provided-arastirmaci-tesvik-odulleri/>).

Within the framework of researcher human resources knowledge, skills and competence development, and improvement policies, the institute determines the 3 faculty members who have published the most international articles in each faculty and our institute awards its faculty members at the opening ceremony every year. In the same context, it allocates an additional travel budget to increase researchers' participation in international and domestic conferences and scientific events. Faculty members are supported to spend specific periods of their annual academic leave in selected universities abroad for research and experience in their fields of expertise. At the same time, start-up support is given to every faculty member who has just started our Institute, and these faculty members are quickly joined to the working ecosystem. In addition, faculty members can benefit from teaching mobility within the scope of the ERASMUS program. These supports ensure the continuation of the already strong international cooperation. According to SciVal data, 47.66% of IZTECH publications are international is an indicator of this policy. (<https://gcris.iyte.edu.tr/>, <https://bap-k.iyte.edu.tr/#projeler>, <https://bap-k.iyte.edu.tr/bap-devam-eden-projects/>).

Monitoring and evaluation of research performance

Maturity Level: Research performance is monitored at the institution and improved by evaluating it with relevant stakeholders.

Proofs

- [Girişimci Yenilikçi Üniversite Endeksi 2021 Tablosu.pdf](#)
- [İYTE 2021 SP İZLEME RAPORU.pdf](#)
- [Araştırmalar Direktörlüğü 2021 Birim Faaliyet Raporu.pdf](#)
- [TAM-D 2021 Birim Faaliyet Raporu.pdf](#)

Evaluation of instructor/research performance

Maturity Level: Research and development performance of lecturers is monitored. It is evaluated and improved together with the instructors.

Proofs

- [Akademik Tesvik Yönetmeliği 2021.pdf](#)
- [İYTE-Minimum Akademik Yükseltme ve Atama Ölçütleri ile İlgili Esaslar.pdf](#)
- [İYTE dışı verilen Araştırmacı Ödülleri 2021.pdf](#)

D. SOCIAL CONTRIBUTION

1. Management of Social Contribution Processes and Social Contribution Resources

1.1. Management of Social Contribution Processes

While the social contribution processes of our institution are based on the impact, contribution, and cooperation of all our units, the central units that undertake the process management and execution can also be seen in the Institutional Organization Chart (<https://iyte.edu.tr/about/kurum-semasi/>). Social Responsibility Projects Coordinator, Sustainable Green Campus Coordinator, Social Assistance and Solidarity Office, Continuing Education Center (İYTESEM), Child Education Application and Research Center, Health, Culture, and Sports Department, and more indirectly, Alumni Office Coordinator and Career Office Coordinator. While the relevant units' administrative and operational decision-making mechanisms are independent, the process leadership is provided by the senior management at the Rector Advisory level.

IZTECH Social Contribution Policy Document was accepted with decision no. 8 of the 13th meeting of the Institute Administrative Board, dated 20/04/2021. It was published on the Institute website (<https://iyte.edu.tr/hakkinda/kalite-guvencesi-sistemi/>). In 2021, a Social Awareness and Leadership Document was developed as a basis in the management of specific areas related to the axis. IZTECH Gender Equality Principles and Strategies were determined and accepted and shared in Turkish and English. These policy documents, developed by considering the participation of our institution's units operating on the axis of social contribution and other relevant stakeholders, revealed our institutional approach to process management.

The job descriptions of the units operating in the context of social contribution are determined by the senate decisions, directives, and regulations taken for the establishment of the units. The organizational structure is constantly reviewed and developed according to the requirements of the day. With the establishment of IZTECH Social Assistance and Solidarity Unit (SOYAD) in An organizational expansion was realized in the axis of social contribution. The SOYAD Unit was established to undertake active coordination in the provision of various scholarships and aided to our students. IZTECH Sharing House was also found within it.

Official applications were made to establish a Social Responsibility Application and Research Center and a Sustainability and Resilience Center in 2021 in order to carry out direct and qualified research on this important axis and strengthen the resource flow. With the establishment of these centers, it aimed to carry out activities that led to research and applications in the field of society, environment, and ecology and to increase the number of qualified researchers working in these activities.

The field of social contribution has also been evaluated as a separate development axis in the Institution's Strategic Plan, and its 5-year goals, annual targets and indicators based on the monitoring and evaluation of their realization results are determined and it is the basic mechanism in the cyclical management of the process.

1.2. Resources

Our Institute's social contribution axis financial resources, as in other public universities, are limited by the allocations made from the personal budget, the funding made through the BAP-K, and the revenues obtained by the centers within the scope of the axis. However, due to the necessity of strengthening the financial structure of the resources directly used to achieve our social contribution goals, national and international collaborations, donations, and aid are evaluated as potential new funding sources/opportunities within the legislative framework.

In this sense, an example where improvements can be seen concretely is the budget allocated by our University for sustainability activities. While 6.3% of the total budget was given to sustainability in 2020, this rate increased to 15.7% in 2021.

2021 sustainability resources have been used in areas such as staff services and study halls, fountain construction for potable water, disability accessibility budget, led light bulb works aimed at low energy consumption, housing improvement, development, and online studio construction to reduce carbon emissions.

In the 2021 Investment Program, which was also financed by private budget resources, a budget of 1,000,000 TL was allocated in order to make the physical conditions of the campus suitable for access, and all of it was used in accordance with its purpose. In this context, various improvements were made in 2021.

In addition, in-kind or monetary aid is provided from stakeholders and collaborators, especially in order to meet the needs of students. As a result of the collaborations established with philanthropists in 2020-2021, a total of 69 students were provided with scholarships and 1 student with an electric wheelchair.

Management of social contribution processes

Maturity Level: The results related to the management of social contribution processes and the operability of the organizational structure in the institution are monitored, and measures are taken.

Proofs

- [İYTE Toplumsal Cinsiyet Eşitliği İlke ve Stratejileri.pdf](#)
- [Toplumsal Farkındalık ve Liderlik Belgesi Yönergesi.pdf](#)
- [Toplumsal Katkı Ekseninde İYTE Stratejik Planı İlgesi.pdf](#)
- [İYTE Toplumsal Katkı Politikası Ayrıntılı Belgesi.pdf](#)
- [İYTE Toplumsal Sorumluluk Projeleri Yürütme ve Değerlendirme Yönergesi.pdf](#)
- [IZTECH-PRINCIPLES-AND-STRATEGIES-REGARDING-GENDER-EQUALITY-.pdf](#)
- [Sürdürülebilirlik ve Dirençlilik Merkez Başvuru Formu özet başvuru formu.pdf](#)

Resources

Maturity Level: The adequacy and diversity of social contribution resources are monitored and improved in the institution.

Proofs

- [2021 İYTE Erişilebilirlik İşi Fotoğrafları.pdf](#)
- [2021 Yılı Yatırım Programında Kampus Fiziki Koşullarının Erişime Uygun Hale Getirilmesi İşi \(2021 Gerçekleşme Sonuçları\).docx](#)

2. Social Contribution Performance

2.1. Monitoring and Evaluation of Social Contribution Performance

Our institution carries out projects and activities that are compatible with the Sustainable Development Goals, respond to the needs of society and the environment, including disadvantaged groups, and create social contribution that makes value. Within the body of our institute, activities under the leadership of the relevant units are carried out and evaluated inclusively with internal and external stakeholders and through common mind/collective processes.

In the 6-month monitoring and annual evaluation reports of the Strategic Plan, the target and indicator realization results related to the axis can be seen by their periods. In addition, the relevant year activities of the unit are presented in detail in the annual activity reports of the departments concerned with the process. Data are collected four times a year through Performance Indicator Realizations Monitoring Forms, and in this application, monitoring is also provided with a financial dimension.

Performance achievements in our Institute's processes can also be achieved with indicators that exceed standard practices such as certificates, membership, accreditation, and awards received in the international arena. In the field of social contribution, our Institute Child Education Application and Research Center received a membership certificate to the European Children's Universities Network (EUCU.NET) in 2021, and we are one of the 4 universities in Turkey to have this certificate for 2021.

In addition, within the scope of Sustainable Green Campus activities; Our Institute, was registered as the 198th most sustainable university in the world by increasing 20 steps compared to the previous year in the International Green Metric 2021 ranking, which evaluates universities in areas such as sustainability, education and research, was awarded a certificate by UI Green Metric in December 2021. Survey studies applied to internal and external stakeholders by our relevant units in monitoring social contribution performance also provide an essential feedback mechanism.

The performance statements of our units operating on the axis of social contribution for 2021 are as follows:

Social Responsibility Projects Coordinatorship

- Although the PDCA cycle has been implemented in the unit since 2014, a registration system for documentation as an institutional process has not been established. This gap is evaluated for improvement through quality and internal control processes, as well as an effective axis-specific software.

- Summary information about the projects developed in the 2021 activity period can be given as follows:

'We Learn Sign Language for a Barrier-Free Campus Project (2020-2021 Spring Semester)', is a Project and it has been prepared for disadvantaged groups. Thanks to this Project, Turkish Sign Language education is free to all university staff and students who want to participate. This Project is;

- (1) To support the active participation of individuals with disabilities within the framework of the ideal of a barrier-free campus,
- (2) To support the right to education of persons with disabilities,
- (3) To initiate studies for the opportunity of lifelong education at all levels for persons with disabilities,
- (4) To structure the right to education based on equality of opportunity free from discrimination,
- (5) To raise awareness of the fight against all forms of equality and discrimination,
- (6) To raise awareness that an equal, barrier-free, and accessible life can only be achieved when differences coexist, and

is aimed to create a starting point for future projects by taking a structural step in this direction.

The E-STAR Project (2020-2021 Spring Term) aims to enlighten future engineers, help them get to know different engineering departments, and support the development of their skills with the awards to be given.

- (1) In the first session of the E-STAR Project, the 9 engineering departments of IZTECH will be promoted on Youtube, both in the sector and in license.
- (2) In the second session, technical training will be organized by IEEE IZTECH team members to provide the necessary information on Solar Rover construction.
- (3) In the third and last session, a quiz-style information game will be played to measure what the students have learned from technical education, and their scores will be recorded.
- (4) Teams of three participants will be formed and asked to write a code for the mentioned basic area. The IEEE IZTECH team members will evaluate this code, and the team's final score will be determined by taking the average of the scores from the two competitions.
- (5) The top three teams with the final score will be given awards in line with the technical training provided.

Exploring New Worlds with K'iyap (2021 Spring Term): In the project supported by the IZTECH Foundation, reading books, magazines, and reference books will be donated to primary schools in Urla and its surroundings, depending on the amount of aid collected that month. It aims to create K'iyap Shelf/Library/Library in these schools.

As the first step of the project, negotiations with the Urla Şehit Kemal Primary School has started, an order was placed for the construction of a library, and book donations has began to be received.

“My Dear Colleague” (2021 Spring Term): The event, organized in cooperation with LÖSEV, aims to be a hope for children with leukemia and to remind them that they are not alone. The Project is;

- (1) To instill hope in people during the global epidemic (pandemic),
- (2) To send love and support to children with leukemia and supporting them in the recovery process,
- (3) Aimed to raise awareness and motivation for us to become useful individuals for the society we live in by developing a sense of responsibility.

Presentation Skills Training Project (2021 Spring): This project aimed to develop communication and cooperation skills, among the most essential 21st-century skills, for IZTECH students and future university students. The Project aims;

- (1) To ensure that students acquire the essential presentation skills necessary for their education life at an early age,
- (2) To contribute to acquiring different perspectives by working with university student sisters and brothers,
- (3) Aims that working on a joint project with university students will help increase their self-confidence.

Continuing Education Application and Research Center (İYTESEM):

Certificate programs are carried out jointly with other organizations constitute the main activities. These activities are monitored and evaluated annually through annual reports and presentations to the senior management. Significant progress has been achieved over the years in the number of certificate programs and the number of participants. According to this, While services were provided to 135 participants in 11 programs in 2019 and 870 participants in 31 programs in 2020, the number of programs was increased to 67 in 2021, and training and certification services were provided to 979 participants.

Social Assistance and Solidarity Unit (SOYAD):

SOYAD organizes the distribution of scholarships in line with the demands of the institutions/organizations that will provide Education Scholarships, operates with a structure that strengthens the solidarity with IZTECH. The activities are as follows; building a bridge between IZTECH students and our donors who will meet their different needs, such as education scholarships, food aid, clothing aid, and other needs, organizing all kinds of support like storage and protection of the lost belongings of our students and staff, collecting the goods, books and clothing products that can be used by the donors and to ensure that they are delivered to the students and personnel in need, creating a distribution store for this purpose.

2 fairs were held on October 13, 2021, and December 27, 2021, with the support of our donors and IZTECH Friends. In addition, IZTECH Sharing House provides tailoring services to our students and staff and recycles used items.

•Sustainable Green Campus Coordinatorship:

- As a result of our applications for 2020 and 2021 on the 'UI Greenmetric platform, which listed sustainability among world universities; our sustainability activities were evaluated, and our performance was measured on issues that we could contribute to society, such as education, water, and waste. Positive/negative changes compared to the previous year were evaluated.
- Roofing was applied to the areas where the garbage cans were located.
- The use of plastic bottles was reduced by installing fountains and distributing glass bottles.
- Garbage separation started to be implemented in all buildings.
- The CHE384 Global Sustainable Development Course was opened.
- The sustainable green campus coordinator conducted a survey to measure and evaluate the effects of the pandemic on the transportation and accommodation habits/needs of our University stakeholders. Questionnaire was organized under 3 headings: "General Information," "Sustainability and Sustainable Green Campus Studies," and "Change of Usage Habits in Transportation and Campus Space in the Covid-19 Pandemic".

Taking into account the survey results, the improvements were as follows:

1. Remote working conditions were improved
 2. Tablets and computers were provided to academics and students in need.
 3. Personnel service vehicles were increased.
 4. Transportation at the campus was facilitated by ring shuttles.
- A series of Online Awareness Seminars were prepared for internal and external stakeholders.
 - Contribution to an online panel “Transformation Begins at Home” was realized in cooperation with İzmir Dokuz Eylül Rotary and Rotaract Clubs, İzmir Institute of Technology, İzmir Metropolitan Municipality, and Dokuz Eylül University.
 - Contribution was made to the Online Information Day event about the Horizon Europe Program in cooperation with TÜBİTAK, the Ministry of Industry and Technology of the Republic of Turkey, and IZTECH.
 - Researchers from IZTECH Sustainable Green Campus Coordinator contributed with their participation to “Green Night” European Researcher Night Event,
 - The IZTECH Sustainable Green Campus Coordinator moderated ‘International Working Women's Day’ online Women's Workshop.
 - CHE 384- Global Sustainable Development course was organized as a series of online seminars with the presentations of our valuable lecturers and members of IZTECH Sustainable Green Campus Coordinators.

- A member of IZTECH Sustainable Green Campus Coordinator, Dr. Mertol Göknelma's speech titled "Recycling of Metals," was broadcast live in cooperation with TUBITAK Bilim Genç.
- An online panel on "Global Commons in Architecture Education" was held with the cooperation of Izmir Mediterranean Academy and Izmir Metropolitan Municipality. The panel was moderated by the IZTECH Sustainable Green Campus Coordinator.
- An online workshop "Permacommons: Open Source Approaches for Permaculture Kits" was held with the cooperation of İzmir Mediterranean Academy and İzmir Metropolitan Municipality and coordinated by IZTECH Sustainable Green Campus Coordination members.

Monitoring and evaluating the social contribution performance

Maturity Level: Social contribution performance is monitored in the institution and improved by being evaluated with relevant stakeholders.

Proofs

- [Avrupa Çocuk Üniversiteleri Ağı' nın \(EUCU\) etkin üyeliği.pdf](#)
- [İYTESEM 2021 Eğitim Faaliyet Bilgileri.docx](#)
- [GreenMetric Sertifikası.pdf](#)
- [2021 Yılı SKS Faaliyet Raporu.docx](#)

E. CONCLUSION AND EVALUATION

Our institute has the identity of a competent research university with its student-oriented, research-oriented education model that gives priority to postgraduate education. Our institute aims to transform all this research infrastructure and manpower, created from scratch with public resources, into products and production that will contribute primarily to the development of the region and country. It also aims to bring it to the international level. The national and international project support of our researchers, the awarding of the projects they carry out using the Institute's advanced technological research infrastructure and outstanding workforce, and the awarding of awards in the international arena strengthen our hope for the future and our country's higher education.

Our Institute, which went through the Institutional External Evaluation process in 2017, was informed with a Feedback Report about the areas open for improvement in the main headings of Quality Assurance System, Education-Training, Research-Development, Management System, and Institutional Decision-Making. These issues have been greatly improved with the measures taken by our Institute over a period of approximately 3 years, and these progress have been reflected in the monitoring process report carried out by YÖKAK in 2020.

In addition to the feedback made to our Institute with the 2020 Monitoring Report, the improvement works carried out by our Rectorate for our quality assurance system according to the results of our internal evaluations are continuous.

Below are the main headings of our Institute's quality assurance system within the framework of our corporate internal evaluation activities for 2021. It has been tried to be evaluated comprehensively in terms of strengths, areas open to improvement, and issues stated as "open areas for improvement" in the 2020 Monitoring Report.

1. Leadership, Management, and Quality

Strengths

- Adoption of strategic management, internal control, and quality assurance systems as a governance model in the institution and strong ownership by senior management and process leaders.
- The establishment of process-based management on an institutional scale with these governance models, meeting the PDCA cycle elements at a significant level.
- Developing a strategic planning culture, planning with realistic, participatory methods based on analysis.
- By diversifying the methods used in stakeholder participation, the adoption of the Institution and unit advisory boards, and increasing effectiveness (Advisory Boards Directive has been prepared. There is an Advisory Board with high representative power and there are Unit Advisory Boards with specific standards based on units within the Institute. Interaction with advisory boards is kept alive.)
- The membership of the undergraduate and graduate student representatives to the Quality Commission and the sub-working groups of the Commission, which is wide in terms of numerical and representation, and strong student contribution and participation in the quality assurance system

- The institution has a simple organization within the framework of its "research university" mission and the definition of a technology institute. In this way, the Institution's resources can be directed in accordance with its goals and objectives without experiencing a focus problem.
- Internationalization is developing with simultaneous and mutually supportive studies, initiatives and achievements in the fields of management, R&D, education and training and social contribution.
- Since the policy documents of the IZTECH quality assurance system have been prepared and accepted, the perspective presented in process management is open.

Aspects Open to Improvement

- Increasing the effectiveness of surveys and other feedback mechanisms
- Using information tools in order to make monitoring and evaluation processes easy, fast and practical. Closing these shortcomings of other processes that require software support.
- Ensuring the sustainability of the transformation management implemented by the top management with a modeling, regarding the institutional transformation capacity added as a new sub-measure and top dissemination of applications limited to the senior management to units

External Evaluation Feedback and Measures Taken

1. Developments in higher education, and determining the appropriate trainings to increase the qualifications of the administrative personnel that will be required as a result of the strategic choices of the Institute and making training plans

Considering the strategic preferences and location of the Institute, the importance of having the appropriate qualifications of the administrative personnel is known, and considering that there are certain limitations in personnel employment due to being a state university, the importance of personnel training and development studies increases even more. In this direction, personnel training needs are determined annually in order to improve the competencies of the administrative personnel at our Institute. The trainings are planned and implemented to the relevant persons as a result of the evaluation of these needs. In determining training needs, the demands from the units, the conditions specified by the administration, and the requests coming directly from the personnel are taken as a basis.

In 2021; English (online), Procedures and Principles to be Applied in Official Correspondence (online), Budget Legislation (online), Ethical Behavior and Ethical Principles in the Public (face to face), Safe Internet Use and Protection from Cyber Traps (face to face), Protocol and Etiquette (online), In-service and candidate civil servant training were given to a total of 258 personnel on Candidate Officer Trainings (online and face-to-face).

Studies that will reveal a systematic approach that will improve personnel training activities are also planned.

2. Making the incentive, appreciation, and reward system functional for administrative staff

Despite the current difficulties of personnel incentive, recognition, and reward systems in the public sector, such a mechanism was implemented in our Institute in previous years. An

advanced model specific to our Institute that will support objective, fair, and labor peace is being reconstructed.

3. Implementing policies that will increase and sustain non-Institute funding sources and/or target-based implementation of efforts towards empowerment with a more systematic and strategic design.

For the purpose of supplying the diversity of external funding sources, especially EU funds and funds from industry, are developed through the Research Directorate of our Institute.

4. Completion of the "Integrated Information Management System" of the Institute and carrying out and following the works from there

Although there are softwares used in the processes of our institute, developed with institutional resources or outsourced, our integrated information management system studies, which have been interrupted due to financial and human resource inadequacies, are still continuing.

The establishment of an integrated information management system is performed within the Institution's internal control system. The transfer of the institution's entire management and information infrastructure to a new platform is carried out in stages by taking into account the risk and volume factors.

2. Education and Training

Strengths

- The development of direct communication channels between the student and senior management, unit, academician, administration, diversity, and active use of survey applications used for student feedback.
- Strong “IZTECH” belonging among students and academic staff.
- Availability of highly qualified human resources with a traditional approach specific to the institution in the employment of academicians.
- Reaching a systematic and widespread advisory board structure on the basis of education programs to strengthen the participation of external stakeholders on the axis of education.
- Providing active participation of students in quality assurance processes as essential stakeholders.
- Establishing an effective distance education infrastructure in a qualified manner, developing an institutional policy for distance education processes, and supplying a sustainable and mature management for it.
- Having programs that provide MÜDEK accreditation and accreditation process experience.
- Having the Diploma Supplement Label and ECTS Label within the scope of Bologna process by the European Commission.
- Implementing the CO-OP application, which is accepted as a successful education model based on university-business cooperation.
- Having a rich and well-structured library.
- A graduate education infrastructure that enables high-quality, interdisciplinary education, supported by strong, well-equipped laboratories and practice areas.
- The language of instruction is 100% English in all programs.

- Having a boutique education system focused on science, engineering and technology and structured within this framework.

Aspects Open to Improvement

- Overcoming the software deficiencies in the education process, and providing innovation.
- Developing an institutional-level process policy on academic mentoring for preparatory, undergraduate and graduate students.
- Improving and disseminating the systematic of trainers' training for teaching staff.
- Developing monitoring, evaluation and continuous improvement mechanisms specific to the education-training axis.

External Evaluation Feedback and Measures Taken

1. Not sufficiently determined the defined processes regarding the academic counseling system for preparatory, undergraduate and graduate students

With the aim of improving the academic counseling and psychological counseling services offered to our students by the senior management of our institute, we are continuing our efforts to develop an application and monitoring software within the ÖBS (Student Information System). When this development is achieved, it is considered that an effective and widespread application will be achieved.

2. Expansion of student participation in academic committees to all units of the Institute

Participation of the students in the academic committees in the Faculty of Engineering and the Faculty of Architecture of our Institute is ensured to a large extent, the dissemination of the practice in all our academic units is encouraged by the senior management.

3. Carrying out studies to increase exam security in distance education

A competent distance education system has been established in our Institute, and various generally accepted methods similar to the use of multiple cameras for ensuring exam security have been applied during the distance education process in the pandemic period. Our work on the development of a sustainable method in this field continues with the participation of internal and external stakeholders.

3. Research and Development

Strengths

- Having a strong, competent, and mature research infrastructure.
- Having a prestigious position and recognition in national and international research fields.
- Providing corporate management at the directorship level, and having a strong organizational structure.
- Being exemplary for the establishment of institution-specific R&D structural models and implementing it successfully.

- Concretely establishing the relationship between Research-development axis - Strategic Plan - Quality Assurance System.
- Being advanced of the measurement and the evaluation methods used in monitoring research activities, and ensuring that the recovery cycle is closed, carrying out monitoring-evaluation activities with the participation of process-related stakeholders, providing a flow of feedback.
- Having high-quality research and application centers, realizing the inter-axis feeding function with joint projects with education units.
- Thanks to the establishment of the Integrated Research Centers Directorate (TAM-D),
- coordination of thematic advanced research is continuously developing studies in terms of quantity and quality
- Informatics Valley Izmir (Izmir Technology Base) is being established within the boundaries of the IZTECH campus.

Aspects Open to Improvement

- Being in need of systematic and strategic design to increase non-Institute sustainable funding sources.
- Developing internet-based studies to reflect post-graduation studies to performance indicators.

External Evaluation Feedback and Measures Taken

1. Carrying out studies to turn the support for patents and patents into products, turning them into more outputs and results.

The commercial potential of the IZTECH patent portfolio is regularly monitored. By examining patent applications and registrations, commercial potential and target market are classified in terms of companies. This information was disseminated through company visits, fairs, and announcements, and the appropriate company for licensing was tried to be determined. As an example of good practice, the processes implemented in other universities, the problematic areas, and the experience in licensing agreements were transferred to the senior management. One-to-one meetings were held with the companies, and the relevant patents were presented to the companies to evaluate their commercial potential. We participated in the 2021 ÜSİMP Patent Fair as a visitor.

4. Social Contribution

Strengths

- Giving importance and value to the local and regional social contribution sphere of influence of our Institute by all Institute management and staff
- Presence of highly competent human resources on the axis of social contribution, the establishment of organizationally defined units
- Establishment of organized structures for children and youth, such as Children's University and IZTECH Science High School

Aspects Open to Improvement

- Strengthening the social contribution process in terms of an organization by opening process-specific research and application center(s), creating new resource areas
- Meeting the need for software/systems to improve data management and monitoring and evaluation processes regarding social contribution activities
- Clearly defining PDCA mechanisms to the process in order to improve process management (plan, action plan)
- Social contribution processes, development of financial and human resources

External Evaluation Feedback and Measures Taken

Although YÖKAK has provided no feedback in terms of social contribution as an improvement area, the social contribution axis, which is seen as a relatively new field of study in the higher education sector, is considered a fundamental axis by our Institute due to its potential to create external benefits. For this reason, during the internal evaluation studies, efforts were made to reveal the gaps related to the axis objectively and to determine the measures that can be taken to eliminate these gaps, and the results of these studies will provide an important input for our administrative action plan regarding the process.