



EGYPT-JAPAN UNIVERSITY OF SCIENCE AND TECHNOLOGY
الجامعة المصرية اليابانية للعلوم و التكنولوجيا
エジプト日本科学技術大学

SUSTAINABILITY Report

2024

This report is the product of fruitful collaboration among the **Sustainable Development Committee** members of both academic and administrative staff. We would like to sincerely thank all of them for the hard work and commend them on their relentless effort in putting together all the data presented within these pages.

<p>Mona Gamal El-Din Ibrahim Dean of Energy Resources, Environmental, Chemical and Petrochemical Engineering School (EECE) Professor – Environmental Engineering Department Head of Sustainable Development Committee</p>	
<p>Prof. Mohsen Ghali Professor - BAS</p>	<p>Prof. Hamdy Abo Ali Professor - Energy Resources Engineering Department</p>
<p>Prof. Hesham Soliman Professor – Director of Pharm D Program.</p>	<p>Dr. Hatem Mahmoud Associate Professor – Director of Sustainable Architecture Program.</p>
<p>Dr. Heba Badawy Associate Professor – FIBH.</p>	<p>Dr. Mahmoud Nasr Associate Professor - Environmental Engineering Department.</p>
<p>Dr. Tamer F. Megahed Associate Professor - Electrical power Engineering Department.</p>	<p>Dr. Mahmoud Sharaan Associate Professor – ENV department.</p>
<p>Dr. Maali Fouad Assistant Professor – LACC.</p>	<p>Dr. Moataz Abdelwahab Assistant Professor - Electronics and Communication Department.</p>
<p>Mr. Mohamed Elnomrossie English Language Instructor Liberal Arts and Culture Center</p>	<p>Ms. Yasmine Ahmed Ibrahim English Language Instructor Liberal Arts and Culture Center</p>
<p>Mr. Ahmed Hasan EECE Dean’s Office</p>	<p>Ms. Amira El-Rakaiby Graphic designer and Photographer Public Relations Office</p>

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List of Abbreviations

ACM	Applied and Computational Mathematics
BAS	Basic and Applied Sciences Institute
Bio	Biotechnology Program
CPE	Chemical & Petrochemical Engineering
CSE	Computer Science and engineering
E-JUST	Egypt-Japan University of Science and Technology
ECCE	School of Electronics, Communication, and Computer Engineering
ECE	Electrical and Computer Engineering
EECE	School of Energy Resources, Environmental, Chemical, and Petrochemical Engineering
EMA	Energy Materials Program
ENV	Environmental engineering
ERE	Energy Resources Engineering
FIBH	Faculty of International Business and Humanities
FOE	Faculty of Engineering
IDE	school of Innovative Design Engineering
IME	Industrial and Manufacturing Engineering
MTR	Mechatronics and Robotics Engineering
MSE	Materials Science and Engineering
NAN	Nanoscience Program
RIA	Regional and International Affairs Office
SDGs	Sustainable Development Goals
SEN	Space Environment

Sustainable development remains at the core of our mission at Egypt-Japan University of Science and Technology (E-JUST), guiding our actions and shaping our vision for the future. At its essence, sustainable development necessitates striking a delicate balance between economic prosperity, social equity, and environmental stewardship. It is a journey that requires diligence, foresight, and collective action. Over the past year, we globally have faced unprecedented challenges, from human-caused crises to natural disasters. These challenges have underscored the urgency of our mission and reinforced the importance of our role as an educational institution in driving positive change.

At E-JUST, we understand that sustainable development is not just a lofty ideal—it is a practical imperative. It is about ensuring that every individual has access to the resources and opportunities they need to thrive, regardless of their background or circumstances. It is about empowering communities, protecting ecosystems, and building a more resilient and equitable world for all.

As we look to the future, our commitment to sustainable development has never been stronger. We are determined to continue leading by example, both within our institution and in the wider community. We will work tirelessly to advance the Sustainable Development Goals related to climate change, education, and gender equality, using our expertise in science and technology to drive meaningful progress.

Sustainable development is a collective endeavor that requires the participation and collaboration of all stakeholders, from government and industry to civil society and academia. Together, we can build a brighter, more sustainable future for generations to come. As this year's sustainability report is unveiled, we take great pride in the cooperative achievements we have attained. Nevertheless, it is important to remain conscious of the ongoing demanding tasks that await. Collectively, we possess the capacity to shape a more promising future for successive generations. Let this moment therefore be seized to effect positive change and establish an enduring heritage of sustainability for posterity.



Prof. Amr Adly

President of Egypt-Japan University of Science and Technology (E-JUST)



As we embark on a new chapter in our journey towards sustainable development, it is with great pride that we present an overview of our efforts and initiatives to advance sustainable development across our institution and in our broader community. From cutting-edge research projects to practical initiatives aimed at reducing our environmental footprint, we have taken steps towards achieving progress. However, the challenges we are still faced with require resilience and unwavering persistence to continue striving for a better future. At E-JUST we recognise our profound social responsibility as an educational institution. Our mission extends far beyond the borders of our campus, reaching

into outside communities. Over the past year, we have made significant strides in our pursuit of the Sustainable Development Goals (SDGs). Our efforts have been guided by a steadfast dedication to serving not only the Egyptian community but the entire African continent. Through innovative research, education, and environmental initiatives, we are working tirelessly to create a better society for future generations.

Environmental sustainability lies at the heart of our mission. We are dedicated to protecting and preserving our planet for future generations. From developing alternative methods for clean energy production to promoting water reuse and sanitation practices, our efforts are aimed at building a more sustainable future for all.

Our partnerships with the industrial sector and world-class research institutions enable us to provide quality education that prepares our students for the challenges of tomorrow. By harnessing the power of collaboration, we are driving innovation and fostering a culture of excellence in everything we do.

Since gender equality stands at the top of our agenda, we understand that true sustainable development cannot be achieved without ensuring equal rights and opportunities for all. We firmly believe that sustainable development hinges on eradicating gender-based discrimination and inequality. Therefore, we are dedicated to fostering a more inclusive and equitable future by actively addressing these issues, paving the way for a more inclusive and equitable future.

This report is a testament to our ongoing commitment to sustainable development. It reflects our collective efforts to assess the impact of our actions and identify new opportunities for positive change. As we move forward, let us remain steadfast in our commitment to improving our community and uplifting those who are most in need.

Professor Mona Gamal El-Din Ibrahim

Dean of Energy Resources, Environmental, Chemical and Petrochemical Engineering School (EECE)

Head of Sustainable Development Committee

Egypt Japan University of Science and Technology



I would like to express my sincere congratulations on publishing the “Sustainability Report 2024”, which describes the activities and the outcome of E-JUST’s contribution to the Sustainable Development Goals. Such report encompasses the rewarding outcome of the fruitful collaboration between Egypt and Japan. E-JUST was established in 2009 under the bilateral agreement between Egyptian and Japanese governments. Since the beginning, the Japanese government has been fully supporting E-JUST through JICA (Japan International Cooperation Agency) through various means of cooperation, such as dispatching Japanese professors, providing

state-of-the-art equipment offering training programs in Japan and working towards industry collaboration. Currently, 7 Japanese experts are working at E-JUST, including two vice presidents. We also have professors from 13 Japanese universities who cooperate with the aim of enhancing education as well as research activity at E-JUST.

JICA is a Japanese governmental agency, which extends the cooperation internationally across partner countries. The agency highlights the importance of ensuring sustainability in every aspect of development as reflected in the Development Cooperation Charter of Japan, as well as the SDGs. Not only should huge consideration be given to the Sustainable Development of the environment, but also economy and society should be placed at the forefront of E-JUST’s top priorities. Although there was a time when social problems were expected to be solved as a result of economic growth alone, it is now widely recognized that inequalities within countries, vulnerabilities, and various other social issues are not automatically solved by economic growth. JICA will contribute to the achievement of the SDGs through collaborating with local and international partners with the hope of overcoming existing challenges.

We have to bear in mind that STI, the strongness of E-JUST, should bring benefit to the community and the society as a whole. I believe that E-JUST can contribute to promoting inclusive and sustainable society through its STI with collaboration of Japanese partner.

Dr. Okano Takasei,
Chief Advisor, JICA E-JUST Project.

Executive Summary

Young Diplomats Visit – Senghor University

As part of the Young Diplomats Visit to Egypt and Senghor University, E-JUST hosted on June 10, 2023, around 90 Young Diplomats from different nationalities such as; Morocco, Chad, Niger, Cameroon, Argentina, Canada, France, Congo, Haiti, etc. to know about E-JUST's history, academic departments, campus, available facilities, international admission and scholarships and such. They also had an open discussion segment with E-JUST's top management and academic members to explore the opportunities for cooperation between E-JUST, Senghor University, and the young diplomats.



The 4th International Conference of Chemical, Energy and Environmental Engineering - 4th ICCEEE 2023.

The school of Energy Resources Environmental and Chemical and Petrochemical Engineering (EECE) launched the 4th ICCEEE 2023 on July 17th and 18th, 2023 at E-JUST premises and also online, under the auspices of the Ministry of Higher Education and Scientific Research.

Since the success of the previous editions ICCEEE 2017, 2019, and 2021, which were held in cooperation between Egypt-Japan university of Science and technology (Egypt), Tokyo Institute of Technology (TiTech), and Kyushu University as Japanese universities supporting the School of Energy Resources, Environmental, Chemical and Petrochemical Engineering (EECE).

The conference agenda included 64 research papers (physical and online) from Egypt - South Sudan – Nigeria – Zimbabwe - and Ghana. In addition to the participation of keynote speakers from distinguished universities from Egypt – Japan – Canada – China – and Tunisia.



E-JUST's 2023 Summer Program: A Tale of Cross-Cultural Harmony.

In the spirit of cross-cultural collaboration, Egypt-Japan University of Science and Technology (E-JUST) orchestrated a captivating Summer Program, weaving together the intellectual fabric of several esteemed institutions. Embracing 15 students from Hiroshima University, the initiative sought to nurture both educational and cultural bonds. Expanding its reach, E-JUST graciously welcomed a diverse delegation of 26 students from distinguished Japanese universities, including Osaka University, Ritsumeikan University, Sophia University, Tsukuba University, Tokyo Metropolitan University, Tokyo University of Foreign Studies, and Kyushu University. The Summer Program unfolded as a vibrant mosaic, blending Arabic language studies, exploration of Egyptian culture, and visits to iconic landmarks in Alexandria and Cairo.



The Second Arab Conference on Intellectual Property was held Successfully with Global and Arab Expertise.

Hosted by the Arab Administrative Development Organization (ARADO) in collaboration with E-JUST, the Second Arab Conference on Intellectual Property was successfully held in Cairo on October 23rd and 24th, 2023. Themed "Combating Piracy and Commercial Fraud in Light of the Fourth Industrial Revolution: International and Arab Experiences," the conference brought together over 100 participants and experts from 12 Arab countries. Under the patronage of the Minister of Higher Education, the event explored various aspects of intellectual property crimes, with notable attendees including H.E OKA Hiroshi, Japan's Ambassador to Egypt, and General Dr. Abdul Kodos Al Ebedeily, President of the Emirates Intellectual Property Association.



E-JUST ranked No.1 in Patent Filing Indicators.

On February 2023, E-JUST has been ranked No.1 in patent filing indicators among all Private and Nonprofit Universities, this prestigious achievement was announced by the Academy of Scientific Research during the final session of the 7th Cairo International Exhibition of Innovation. E-JUST credits this accomplishment to the continuous support of its Board of Trustees, esteemed Japanese universities and scientists, top-notch faculty members, experienced administrators, patent support team, and outstanding labs and Centers of Excellence, which were primarily funded by JICA. E-JUST is committed to continuing its policy of supporting and recognizing IPR regulations and outcomes, to use these outcomes to serve national objectives.



E-JUST Media Conference:

Prof. Amr Adly, E-JUST President, held a media conference at the university's new headquarters in the new city of Borg ElArab in Alexandria, to announce the university's preparations for the new academic year and the conditions for accepting high school students and corresponding certificates for it at the university's schools.

The event included presenting the study programs and scholarships granted by the university to prominent students in sports and science, in the presence of Prof. Sameh Nada, Vice President for Education and Academic Affairs, the deans of the schools, and a group of journalists and various media representatives.

During his speech, Prof. Amr Adly explained the nature of Egypt-Japan University, its establishment in partnership with the Egyptian and Japanese governments, and its philosophy of education, explaining that it was established with a different idea of transferring technology and modern education systems by investing Japanese expertise in Egypt, Africa, and the Middle East, and in order to become a center of excellence in science and technology in the entire region.



Building Bridges: Distinguished Visit of Her Excellency Ambassador Haifa Abu Ghazaleh, Strengthening Cultural and Educational Ties of E-JUST with the Arab World.

In a significant step towards strengthening cultural and educational collaboration, HE Ambassador Haifa Abu Ghazaleh and a distinguished delegation visited the Egypt-Japan University of Science and Technology on 17-8-2023. Prof. Amr Adly, the university's President, warmly welcomed them, highlighting the institution's robust joint Egyptian Japanese administrative and governance structure as well as the outstanding E-JUST scientific and academic achievements. During the visit, HE Ambassador Abu Ghazaleh and the delegation expressed deep appreciation for the university's cutting-edge technology, state-of-the-art facilities, and the nurturing academic environment provided to students.



Ambassador András Kovács, Ambassador of Hungary in Egypt Visits E-JUST.

Prof. Amr Adly, President of Egypt-Japan University of Science and Technology (E-JUST) welcomed Ambassador András Kovács, Ambassador of Hungary in Egypt on 3-12-2023. The visit began with a full presentation of the University, including how agreements were reached between the Japanese and Egyptian governments regarding the design of the University's buildings and the efforts made to create an environmentally friendly atmosphere. Ambassador Kovács praised the shared educational system at E-JUST and proposed educational opportunities and scholarships as areas for collaboration between Egypt and Hungary. He toured the University's labs, library, Center of Excellence for Research, and Activity Hub during his visit.



Alexandria Business Association Visit

On Wednesday, April 5th, 2023, Prof. Amr Adly, E-JUST president, received the visit of Eng. Mohamed Hano, the chairman of Alexandria Businessmen Association (ABA) to E-JUST. The visit is organized by Prof. Mona Gamal Eldin. 5-4-2023



The orientation session introducing the Youth for Development Initiative (YDI)

In the frame of E-JUST participation in the Youth for Development Initiative (YDI) for the academic year 2022/2023, which was launched by the Ministry of Planning and Economic Development, Under the auspices of Prof. Amr Adly, E-JUST president, Prof. Mona Gamal Eldin, as E-JUST YDI coordinator, organized the orientation session introducing the YDI to E-JUST community. The session was held at E-JUST on February 6th, 2023. With the presence of Dr. Mohamed Alaa, the YDI coordinator, Deputy Director of the International Cooperation Office, and the official of the Human Rights Unit at the Ministry of Planning and Economic Development.



"Towards Sustainable Future Initiative "

Under the auspices of Prof. Amr Adly, E-JUST President, and the supervision of Prof. Mona Gamal Eldin Ibrahim, EECE Dean, the School of Energy Resources, Environmental, Chemical and Petrochemical Engineering (EECE), launched the competition titled "Towards Sustainable Future" for the Third year aiming at enhancing innovation at EECE Undergraduate students in the field of sustainability through research to save the Environment and the natural resources. The competition comes within the framework of cooperation between Egypt-Japan University of Science and Technology (E-JUST) and Birla Carbon Egypt Company. 11 Undergraduate students from the Energy Resources Engineering Department and Chemical and Petrochemical Engineering Department participated in the competition presenting 7 research articles covering sustainable development issues. The final ceremony was held on 8-11-2023 at E-JUST's library theater, where the candidates presented their research articles and received the prizes provided by Birla Carbon Egypt.



Introduction

This report is a product of collaboration between eminent professors, researchers, as well as administrative staff. Each chapter encompasses a series of Sustainable Development Goals that best represent E-JUST's commitment to achieving global sustainability. It emphasizes the critical role that education has in delivering the Sustainable Development Goals and the value it brings to governments, businesses, and wider society, thus, reaffirming the University's commitment to making a significant, sustainable, and socially responsible contribution to Egypt and the world. The data included in this report is based on E-JUST activities from January to December 2023.

The Sustainable Development Goals (SDGs), also known as the Global Goals, were adopted by all United Nations Member States in 2015 as a universal call to work towards ending poverty, protecting the environment, and ensuring that all people enjoy peace and prosperity by 2030. Through its research, learning and teaching, operations, and community of staff, and students, the University is committed to delivering these Goals. However, the following report only sheds light on the SDGs lying within the scope of E-JUST and in which the University has made fundamental advances in their regard. As part of its commitment to the Sustainable Development Goals Accord, the University will highlight projects and initiatives that directly contribute to each of the Goals within its scope.

Among the Goals that E-JUST is dedicated to is providing quality education. Obtaining a quality education is the foundation for creating sustainable development. In addition to improving quality of life, access to inclusive education can help equip students with the tools required to develop innovative solutions to the world's greatest problems. Our University has sought to reach this Goal by providing lifelong learning opportunities and granting students access to all facilities required to excel in their fields.

Gender equality is not only a fundamental human right but a necessary foundation for a peaceful, prosperous, and sustainable world. Therefore, E-JUST works towards ensuring gender equality by offering equal opportunities for both males and females in education (undergraduate and postgraduate studies) as well as at the employment level.

Furthermore, clean water and healthy sanitation are among the Goals that E-JUST is committed to accomplishing, not to mention its unceasing effort to secure affordable and clean energy sources through projects and national/international collaborations.

Employment practice also comes at the university's top priorities. Workshops, training, and language enhancement courses have been conducted to help enhance staff skills and qualifications, in addition to internships.

Industry, innovation, and infrastructure projects pertaining to Goal 9 represent a substantial segment of the University's effort to commit to sustainability. This section in the report demonstrates the revolutionary industrial project which E-JUST has funded, and it also illustrates the statistics of filed patents and industrial collaborations.

Among the other Goals, which Egypt-Japan University of Science and Technology is working towards, is having sustainable cities and communities through showcasing our heritage, history, and culture, while integrating the Japanese factor. Giving public access to Ancient Egyptian landscapes along with modern art exhibitions is a solid proof of E-JUST's relentless effort. Also, integrating Japanese culture in all its aspects with the Egyptian culture enables students and staff alike to experience the cosmopolitan atmosphere on campus.

Moreover, climate action was adopted by E-JUST for the sake of combating global environmental issues with a due focus on climate change. The action plan is concerned with four milestones; operation, research, education, and consultancy.

Furthermore, we cannot hope for sustainable development without peace, stability, human rights, and effective governance, based on the rule of law, yet our world is increasingly divided. Some regions enjoy peace, security, and prosperity, while others fall into seemingly endless cycles of conflict and violence. This is not inevitable and must be addressed. E-JUST has decided to address Goal 16: "Peace, justice and strong institutions" by selecting representatives from all University sectors to represent it on different axes ensuring the integration of all groups in the decision-making process.

Strengthening means of implementation and revitalizing the global partnership for sustainable development is widely seen in E-JUST's efforts to form collaborations on national and international levels to help provide better education, innovation, and scientific research, tackle inequality, and combat climate change through holding and participating in national/international conferences, forums, and symposiums.



Goal. 1 No Poverty

Aim:

The first sustainable development goal set by the United Nations in 2015 was “No Poverty”. This goal aims at ending poverty in all forms everywhere, as poverty is not just a lack of income, but it also includes a lack of food, education, shelter, healthcare, political inclusion, choice, safety, and dignity. There are several reasons for poverty, such as unemployment, social exclusion, and exposure to diseases and disasters. SDG 1 “No Poverty” includes five targets, three of which are to be reached by 2030, which are implementing a social protection system, eradicating extreme poverty, and reducing poverty by at least %50. The other two targets involve equal rights of men and women to ownership, basic services, technology, and economic resources, and building resilience to environmental, economic, and social disasters.

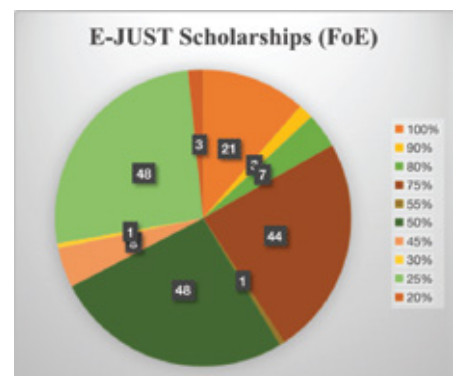
Actions:

E-JUST took several initiatives to help in fulfilling the first SDG Goal “No Poverty”. These initiatives focused on various aspects, such as reducing the likelihood of diseases and ensuring equal opportunities for social inclusion and education.

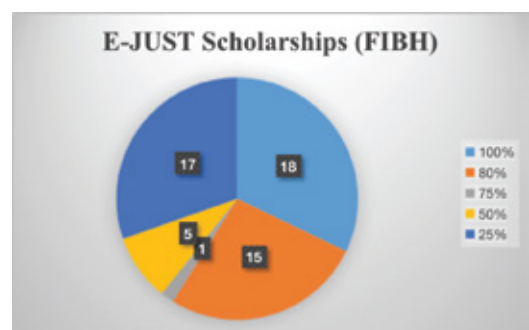
Financial Support

E-JUST provided financial support to different parties. E-JUST offered different scholarships for its undergraduate students. These scholarships are offered after making extensive study on the financial status of students and their parents to ensure that financial support is offered to those who deserve it. During 2023, E-JUST offered financial scholarships, ranging from %10 to %100 of the university tuition fees, to 641 students from the faculties of engineering (FoE) (184 students), international business and humanities (FIBH) (56 students), computer science and information technology (CSIT) (105 students), PharmD (219 students), sustainable architecture (Arch) (18 students), art and design (AnD) (25 students), and basic applied sciences (BAS) (34 students).

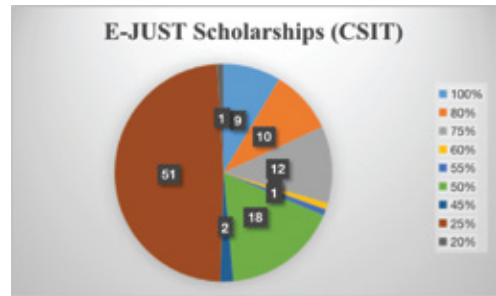
FoE: E-JUST offered %100 scholarship to 21 students, %90 to 3 students, %80 to 7 students, %75 to 44 students, %55 to 1 student, %50 to 48 students, %45 to 8 students, %30 to 1 student, %25 to 48 students, and %20 to 3 students.



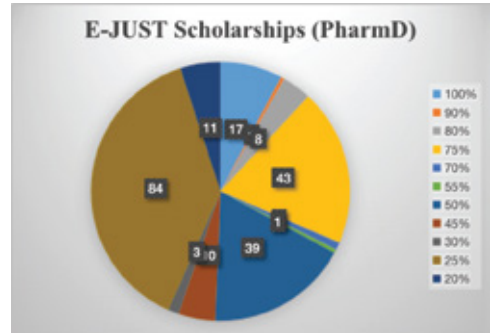
FIBH: E-JUST offered %100 scholarship to 18 students, %80 to 15 students, %75 to 1 student, %50 to 5 students, and %25 to 17 students.



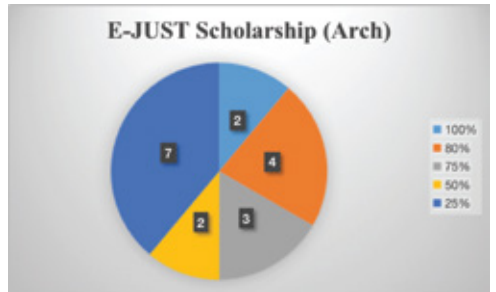
CSIT: E-JUST offered %100 scholarship to 9 students, %80 to 10 students, %75 to 12 students, %60 to 1 student, %55 to 1 student, %50 to 18 students, %45 to 2 students, %25 to 51 students, and %20 to 1 student.



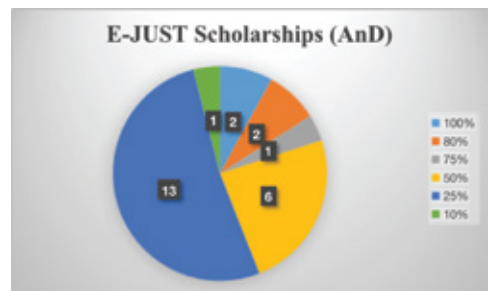
PharmD: E-JUST offered %100 scholarship to 17 students, %90 to 1 student, %80 to 8 students, %75 to 43 students, %70 to 2 students, %55 to 1 student, %50 to 39 students, %45 to 10 students, %30 to 3 students, %25 to 84 students, and %20 to 11 students.



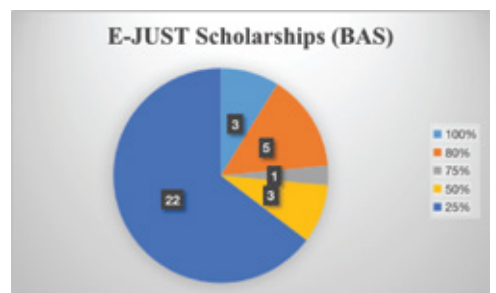
Arch: E-JUST offered %100 scholarship to 2 students, %80 to 4 students, %75 to 3 students, %50 to 2 students, and %25 to 7 students.



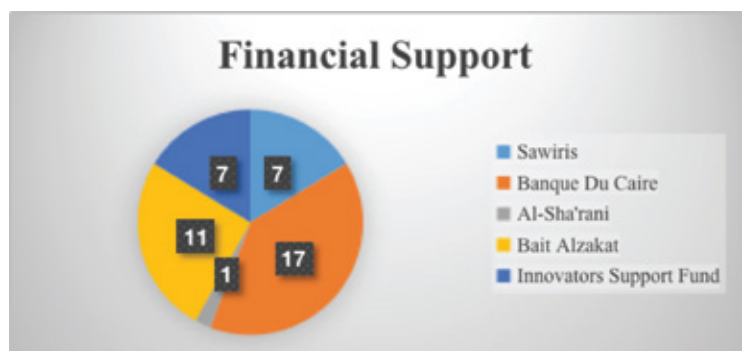
AnD: E-JUST offered %100 scholarship to 2 students, %80 to 2 students, %75 to 1 student, %50 to 6 students, %25 to 13 students, and %10 to 1 student.



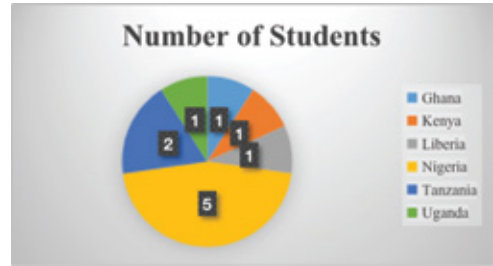
BAS: E-JUST offered %100 scholarship to 3 students, %80 to 5 students, %75 to 1 student, %50 to 3 students, and %25 to 22 students.



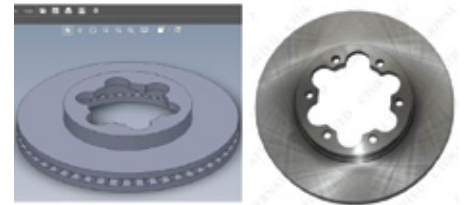
In addition, several charitable organizations, and companies, such as Sawiris, Banque Du Caire, Al-Sha'rani, Bait Elzakat, and Innovators Support Fund offered financial scholarships to 43 E-JUST students during 2023. This financial support helps our students to have equal education opportunities and so will aid them in finding good job opportunities when they graduate, maintaining adequate income levels, and thus, reducing the level of poverty.



E-JUST provided support, in cooperation with JICA, to 11 African students joining E-JUST from different African countries under the TICAD program.



E-JUST offered in-kind support, in the form of mentorship, advice, marketing, space, internet, and meeting rooms to different startups, through the incubator center. The incubated companies that benefited from E-JUST support include Trophy Company, Logic Gym Ltd, Yoko, and M Vision. In addition, four other startups, Microfluidics Ware, Quantum tech, Cube-x, and Axis succeeded in having financial support of 300,000 L.E. from the Academy of Scientific Research and Technology (ASRT) and benefited from E-JUST support during 2023.



Trophy Company

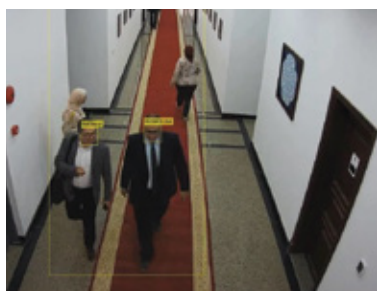
Vehicles (E-Vehicles, scooters, go-carts)

Logic Gym Ltd.

Provides innovative educational tech-driven physical devices and games that develop the student’s logical thinking and problem-solving skills to the Egyptian private schools. It also provides consultation and training to improve the capacity building of the school human resources

Yoko

New designs for disc brakes to cover the gap in the Egyptian market along with innovative brake pads designed according to the economic and environmental conditions needed by the Egyptian market



M Vision

Facial Detection and Recognition software where novel algorithms for simultaneously detecting, recognizing and tracking individuals in camera’s images and videos are presented

Microfluidics Ware

Conventional Micro fluidics chips. These chips are used in many applications such as Blood plasma separation, Semen sorting, Micro droplet formation and Cell culture

Quantum tech

Innovative A Lighting bulb with advantage of blue-light-free with several benefits, such as healthy and comfortable Blue-light-free light (EyeHealthy antiblue technology), varied color temperature, made in Egypt, new technology (patented), and very low price (~ 5 \$, whole price)



Cube-x

Provides 3D model of decorations and masks made from high quality of paper with low cost and ability to customize.

Educational Services

As E-JUST believes that, consistent with the No Poverty Goal, poverty is not just a lack of income, but it includes also lack of education, it focuses on activities that help in enhancing the level of education and reducing illiteracy. As a result, E-JUST organized a book fair and an artistic fair in the E-JUST premises to contribute towards the provision of equal educational opportunities expected to reduce the level of future poverty.



Support to Gaza

Also, E-JUST believes that part of its role in reducing the level of poverty is not restricted to Egypt only, but it needs to be extended outside Egypt to include Arab countries. For this reason, E-JUST arranged for a blood donation campaign for people in Gaza in October 2023. It encouraged and funded this campaign to support needed Palestinian people in Gaza and help them in facing this disaster, in cooperation with the Egyptian Red Crescent.

Societal Impact

Coinciding the “Ketf fi ketf” initiative (Shoulder by Shoulder), Prof. Mona Gamal El-Din Ibrahim – Dean of the school of Energy Resources, Environmental, and Chemical and Petrochemical Engineering (EECE), E-JUST, managed to offer 100 Ramadan Bags in collaboration with Innerwheel Alexandria East Club, to be offered to the employees at Smouha University Hospital, "Ayadi Almustakbal" (Future Hands) Hospital for the tumors treatment for the unabled on Tuesday, March 21st, 2023. In addition to another distribution to some of the deserving families in the villages of Bahij and the old Borg El Arab City in Alexandria on Wednesday, March 22nd, 2023.



The Ramadan Bags are a donation from the "Mohamed Ragab Charitable Foundation" and the "Integrated Care Association in Alexandria".

Finally, to make sure that Egyptians have equal opportunity to elect their president, E-JUST provided transportation services to the E-JUST community at different times in December 2023 to participate in the presidential election.



Goal. 3 Good Health and Well-Being

• Aim

Achieving optimal health and well-being entails adopting a comprehensive perspective on how to lead a gratifying and harmonious existence. This concept entails acknowledging the interdependence of mental, emotional, and physical health and comprehending how each of these domains influences overall well-being.

Good health and well-being place significant emphasis on the fundamental values of self-care and self-awareness. It inspires us to give precedence to personal welfare and deliberate on decisions that foster health and contentment. This can be accomplished through the implementation of healthy practices, including consistent physical activity, a balanced diet, and sufficient rest, in addition to the management of stress and the discovery of methods to unwind and re-energize.

Developing positive relationships and connections with others is an additional component of health and well-being. It recognizes the intrinsic worth that meaningful connections, community, and social support hold in daily existence. Fostering these ties leads to a sense of inclusion, aid, and happiness.

Furthermore, recognizes the critical relevance of psychological and emotional health. It encourages the development of self-compassion, awareness, and contemplation. Prioritizing mental and emotional well-being promotes resilience, effective stress management, and a positive attitude.

• Actions

Healthcare Services

Because E-JUST believes that to increase the level of productivity of its community, it should provide high-quality healthcare services to its administrative and academic staff. E-JUST signed a contract with a new healthcare insurance company (Life Healthcare) that offers high-quality healthcare insurance coverage to the E-JUST community. Life Healthcare company provides the E-JUST community with a wide network of physicians, dentists, and medical centers all over Egypt. In addition, E-JUST arranged for a healthy day for E-JUST academic and administrative staff in cooperation with Andalusia Hospitals on July 26th, 2023. The Health Day involves checking in the university clinics, in addition to a medical check (pressure and diabetes checks). Finally, E-JUST provided influenza vaccine to the E-JUST community at a reduced cost to reduce the vulnerability and exposure to influenza (flu).



E-JUST student union arranged for a visit to 57357 hospital in May 2023.



A medical convoy organized by the PharmD program:

E-JUST launched a medical convoy organized by the PharmD program to the village of Al-Ula (Borg ElArab) on Thursday 27-07-2023 serving about 1500 villagers.

The convoy is launched with the participation of Pharm D program professors, students, and doctors / specialists from the ministry of health.

Companies/Programs which donated medicines:

Amriya for Pharmaceutical Industries S.A.E Kindly donated medicine ~ **37500 EGP**

EVA Pharm. Kindly donated medicine ~ **130000 EGP**

PharmD program donations ~ **13500 EGP**

Grand Total 181000 EGP





Goal. 4 Quality Education

• Aim

E-JUST adopts a state-of-the-art educational system that is based on Japanese academic concepts and mainly relies on project-based education and problem-solving learning techniques. The University offers unique academic programs with close interaction with the industry, as well as multidisciplinary research. We aim to become a role model for educational and research institutions in Egypt by fostering Japanese educational standards, policies, and systems. In this regard, the University seeks to strengthen the ties of collaboration between Egyptian and Japanese academic institutions. Therefore, in line with Goal 4; “Quality Education”, E-JUST strives to contribute to the improvement of human resources in the region, by providing a high-level educational system and offering pragmatic and innovative solutions to human needs. Moreover, by building partnerships with key Japanese academic and research institutions as well as industrial companies, we aim to conduct applied research that would expose students and faculty members to real-life research activities, and acquaint them with the Japanese systems, know-how, and advanced technologies

• Actions

E-JUST Shines Bright in 2024 Global University Rankings. Egypt-Japan University of Science and Technology (E-JUST) achieved an outstanding feat by emerging as the top-ranked Egyptian university in the 2024 TIMES HIGHER EDUCATION World University Ranking. Securing an impressive individual ranking in the 800 - 601 category globally, E-JUST outshone all 27 other Egyptian institutions. Moreover, E-JUST was classified as top in Egypt in the TIMES HIGHER EDUCATION Engineering Subject Ranking and classified in the 500-401 category globally. In addition, E-JUST has earned recognition in The Shanghai Ranking of Academic Subjects, securing a prestigious position among the top 400-301 universities globally in the Energy Science and Engineering Subject. Those successes underscore E-JUST's unwavering dedication to academic excellence and innovation.



Academic Report- Postgraduate Studies

Admission

A. Faculty of Engineering (FOE) and Basic and Applied Science Institute (BAS)

Table 1 (FOE and BAS) PG Admission Statistics per Semester

Semester	No. of Applications	Accepted First Screening	Attended Exams and Interviews	Passed Exams and Interviews	Waiting List from Previous Batches	Total Academically Accepted	Academically Accepted + Fulfilled English Requirement	Enrolled Students	Enrolled/Accepted & Fulfilled English Requirement Percentage
Fall 2022	155	127	76	66	105	171	123	37	30%
Spring 2023	347	229	135	107	89	196	93	24	26%
Fall 2023	198	162	94	81	116	197	55	44	36%

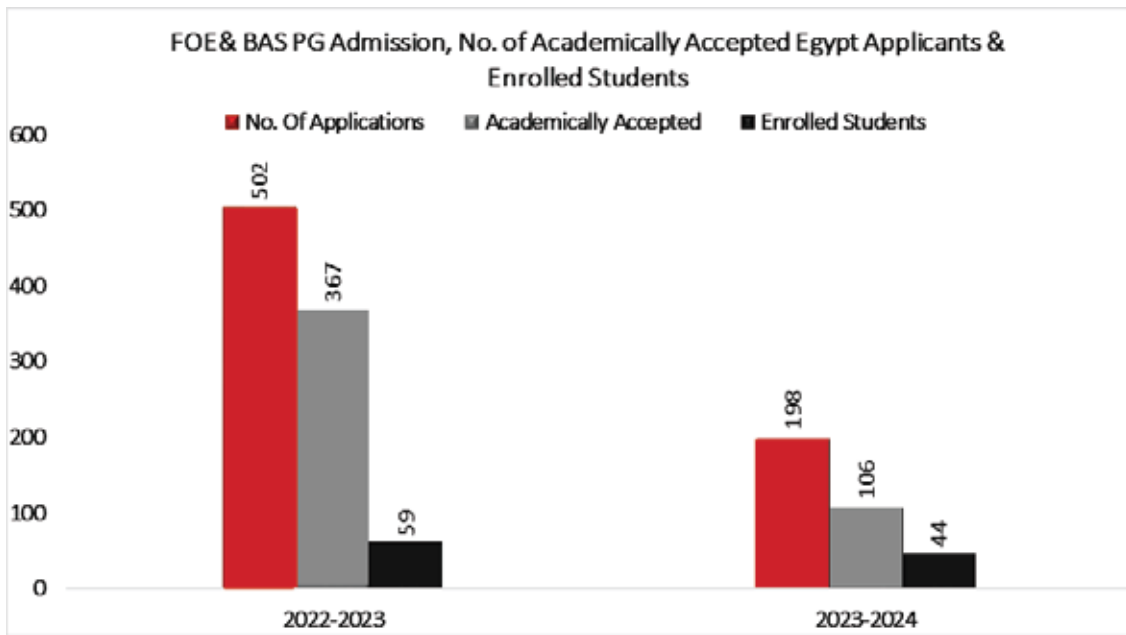


Figure 1 FOE & BAS PG Admission per Academic Year

Table 2 FOE & BAS PG Admission Statistics of Governmental & Non-governmental Scholarships

FOE & BAS – PG Academically Accepted Applicants and Fulfilled Language Requirement	Governmental Scholarship		Governmental Scholarship	Non-governmental Scholarship		Non-governmental Total	Self-funded
	Enrolled	Did not Enroll		Enrolled	Did not Enroll		
Fall 2022	20	49	69	13	33	52	2
Spring 2023	12	15	27	12	54	66	0
Fall 2023	10	17	27	11	38	49	0

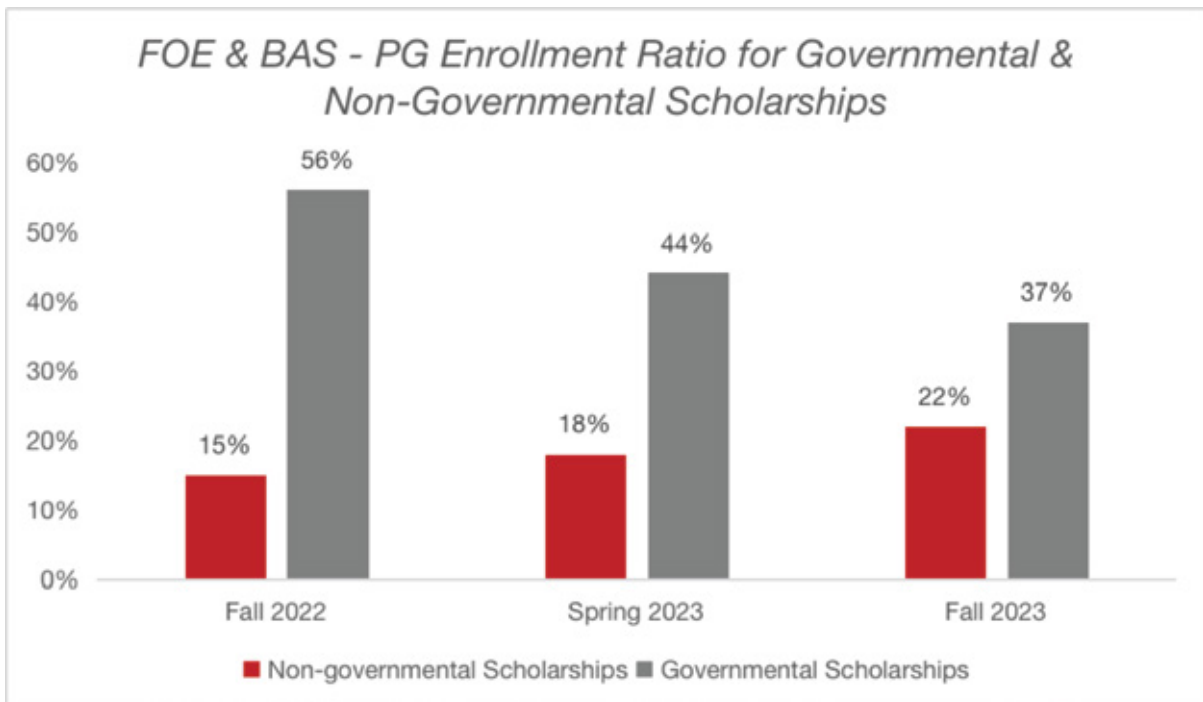


Figure 2 FOE & BAS - PG Enrollment Ratio for Governmental & Non-governmental Scholarships.

Enrollment percentage: number of enrolled/academically accepted students who fulfilled the language requirement.

- Two factors affect the enrollment of postgraduate students which are:
 - English Language Requirement Fulfillment
 - Fund Availability
- For Non-governmental Scholarships, the limited number of available private scholarships

B. Accounting and Information Systems (AIS) Program

Table 3 AIS Program Admission Statistics

AIS PG Admission 2020 Year	Fall 2022	Spring 2023	Fall 2023
No. of Applications	8	36	16
Accepted First Screening & Invited for Exams and Interview	7	28	10
Attended Exams and Interviews	4	17	6
Passed Exams and Interviews	4	11	5
Waiting List from Previous Batches	6	3	9
Total Academically Accepted	10	14	14
Academically Accepted and Fulfilled English Requirement	5	4	1
Enrolled Students	2	3	3

Registration

Number of Current Postgraduate Students (FoE and BAS) - National and International till September 2023,30:

Table 4 Number of Current Postgraduate Students (FoE and BAS) - National and International

Semester	M.Sc.	Ph.D.	Total
Fall 2022	42	15	57
Spring 2023	20	13	33
Grand Total	62	28	90

Current Student Enrollment (FoE and BAS)

Table 5 Current No. of Students per Program

Program	MSc	PhD	Grand Total	Percentage of MSc Students to Total
ECE	19	15	34	55.88%
CSE	9	2	11	81.82%
WRC	0	0	0	0
MTR	13	5	18	72.22%
IEM	5	11	16	31.25%
MSE	13	6	19	68.42%
ERE	12	20	32	37.50%
ENV	18	16	34	52.94%
CPE	8	4	12	66.67%
EPE	9	7	16	56.25%

NAN	12	6	18	66.67%
BIO	19	25	44	43.18%
ACM	3	9	12	25.00%
EMA	9	4	13	69.23%
SEN	10	1	11	90.91%
Grand Total	159	131	290	54.83%

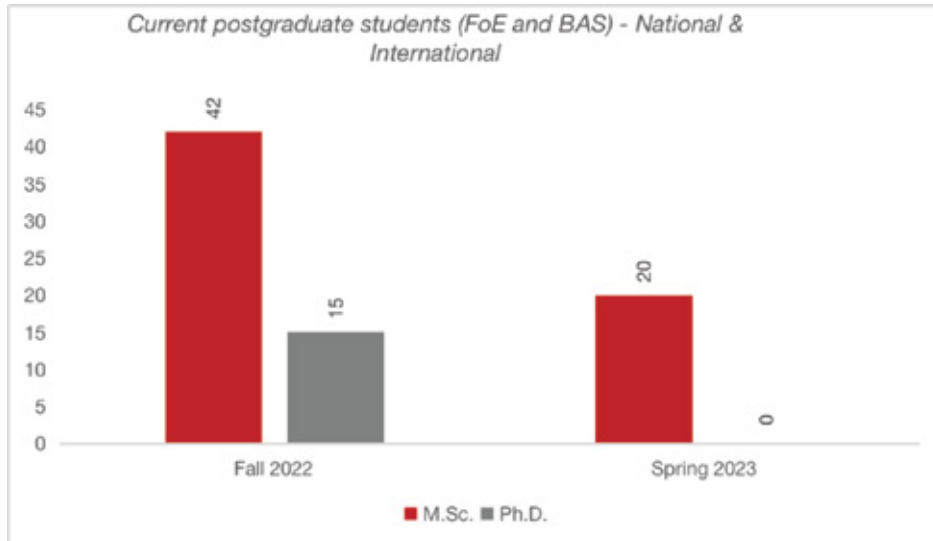


Figure 3 M.Sc. and Ph.D. Statistics of National and International Students per Scholarship for FoE and BAS until September 2023 ,30

Table 6 Ratio of M.Sc. Students to Total Number of Students

Program	MSc							MSc Total	PhD					Ph.D. Total	Grand Total
	MoHE	TICAD7 Scholarshi P	MITSUBIS HI	Self- Funded	SNG	TA Scholarshi P	MoHE		TICAD7 Scholarshi P	Self- Funded	TA Scholarshi P				
ECE	1	14				4	19	11		1	3	15	34		
CSE		4		1		4	9	1		1		2	11		
MTR	3	5				5	13	5				5	18		
IEM	1	2		1		1	5	9		1	1	11	16		
MSE	1	12					13	6				6	19		
ERE	4	6				2	12	18	2			20	32		
ENV	5	12			1		18	13			3	16	34		
CPE		7				1	8	3			1	4	12		
EPE	1	6				2	9	7				7	16		
NAN	1	6		1		5	13	5			1	6	18		
BIO	10	7				2	19	25				25	44		
ACM	1	1				1	3	9				9	12		
EMA		5	1	1		2	9	3			1	4	13		
SEN		7				3	10	1				1	11		
Grand Total	28	94	1	4	1	32	160	116	2	3	10	131	290		

Total of Current Students for FoE & BAS / (Home University / Institute)

Table 7 No. of PG Students in FOE & BAS per Home University/Institute

Home University / Institute	No. of Students
Agricultural Genetic Engineering Institute	1
Ain Shams University	8
Alazhar University	1
Alexandria University	20
Assuit University	11
Aswan University	8
Benha University	20
Central Metallurgical Research and Development Institute (CMRDI)	1
E-JUST TA	42
Electronics Research Institute	2
Fayoum University	2
Helwan University	4
Institute of Central Metallurgical Research and Development Institute	1
International Student	96
Kafrelsheikh University	3
Mansoura University	9
Menia University	5
Menoufia University	10
National Institute for Standards	1
National Research Institute of Astronomy and Geophysics (NRIAG)	1
Petroleum Research Institute	1
Private Scholarship	2
Self-funded	6
Sohag University	6
South Valley University	2
Suez University	3
Suez Canal University	8
Tanta University	8
Zagazig University	8
Grand Total	290

Number of Current Postgraduate Students (Faculty of International Business and Humanities)

Table 8 Number of Current Postgraduate Students (FIBH) Until September 30, 2023

FIBH – Registered Students	Grand Total
M.Sc.	10
Ph.D.	5
Grand Total	15

Total Registered PG Students for FIBH / (Home University / Institute)

Table 9 No. of Registered PG Students for FIBH / (Home University / Institute), 2023

Home University / Institute	No. of Students
Assuit University	3
Cairo University	1
E-JUST TA	9
Mansoura University	1
International Student	1
Grand Total	15

Graduation

Students Travel to JSUC / USA / European Universities

Table 10 No. of Students who travelled to JSUC/USA/Europe

Program	less than 1 month	1 month < 3 months	3 months < 6 months	6 months < 9 months	>=9 months	Grand Total
1- Electronics and Communications Engineering			2	5	43	50
2- Computer Science and Engineering	1		6	9	7	23
3- Mechatronics and Robotics Engineering		1	3	12	11	27
4- Industrial and Manufacturing Engineering			3	4	11	18
5- Materials Science and Engineering	3		1	8	10	22
6- Energy Resources Engineering		1	6	15	13	35
7- Environmental Engineering			3	16	13	32
8- Chemicals and Petrochemicals Engineering	3		2	8	1	14
1- Nanoscience Program (BAS)		2	1			3
2- Biotechnology Program (BAS)		1				1
3- Applied and Computational Mathematics (BAS)			1			1
4- Energy Materials Program (BAS)		1				1
Grand Total	7	6	28	77	109	227
Percentage %	3%	3%	12%	34%	48%	

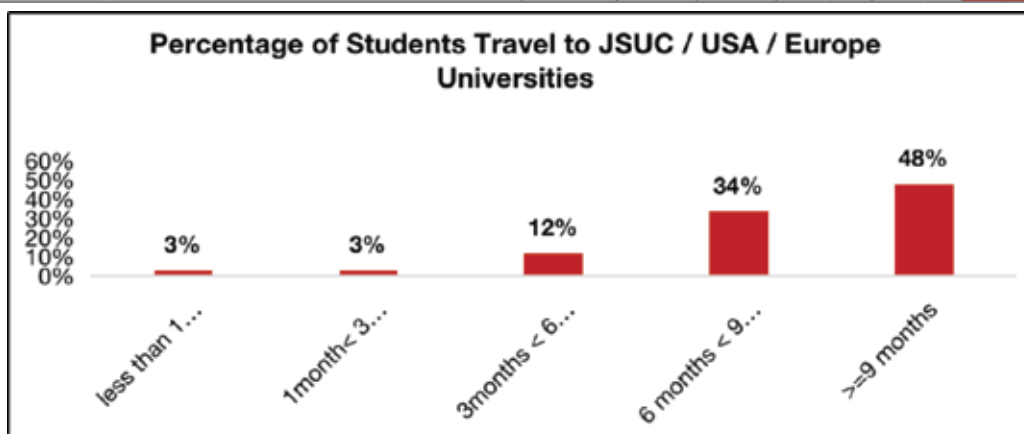


Figure 4 Percentage of Students Travel to JSUC / USA / Europe Universities

Most of the students that travelled to Japan have stayed for 6 months < 9 months or more than 9 months.

Table 11 No. of Students who traveled per destination.

Students Travel to JSUC / USA / European Universities per Destination	Grand Total
Tokyo Institute of Technology	74
Kyushu University	45
Waseda University	23
Kyoto University	15
Osaka University	14
Japanese National Institute of Informatics (NII)	7
Keio University	4
Nara Institute of Science and Technology	3
Tohoku University	4
Ehime University	2
Kobe University	2
Virginia Tech Transportation Institute (VTTI)	2
Tokyo City University	2
Rennes University - France	1
RIKEN-TRI Collaboration	1
Aalto University	1
Alcatel-Lucent Bell N.V	1
AY2019-2020 Fullbright Junior Faculty Development Program (USA)	1
Catania - Italy	1
ENSTA Paris Tech	1
Halmstad University, Sweden	1
Institute Fur (Geodasie und Photogrammetrie)	1
Kagawa University	1
Kumamoto University	1
Nagoya Institute of Technology (NITech)	1
North Carolina State University	1
The Institute of Scientific and Industrial Research - Osaka University	1
The University of Tokyo	1
Tokyo University	1
Tokyo University of Agriculture and Technology	1
Tokyo University of Science	1
Toyama Prefectural University	1
Universidad Politécnica	1
University of Birmingham, UK	1
University of Oulu, Finland	1
University of Toyama	1
Wisconsin Madison University (USA)	1
University of Chemistry and Technology, Prague, Czech Republic	3
University of Duisburg – Essen, Germany	3
Grand Total	227

Distribution of Awarded Degree for FoE & BAS

Table 12 No. of M.Sc. & Ph.D. Awarded Degrees per Program for MoHE & Non-MoHE scholarships.

Program	M.Sc.	Ph.D.	Total
ECE	44	53	97
CSE	23	33	56
MTR	34	39	73
IEM	14	22	36
MSE	14	23	37
ERE	22	47	69
ENV	13	43	56
CPE	12	18	30
EPE	3	0	3
Total FoE	179	278	457
NAN	5	2	7
Bio	9	5	14
ACM	3	2	5
EMA	2	2	4
SEN	4	0	4
Total BAS	23	11	34
AIS	2	2	4
Total FIBH	2	2	4
Grand Total	204	291	495

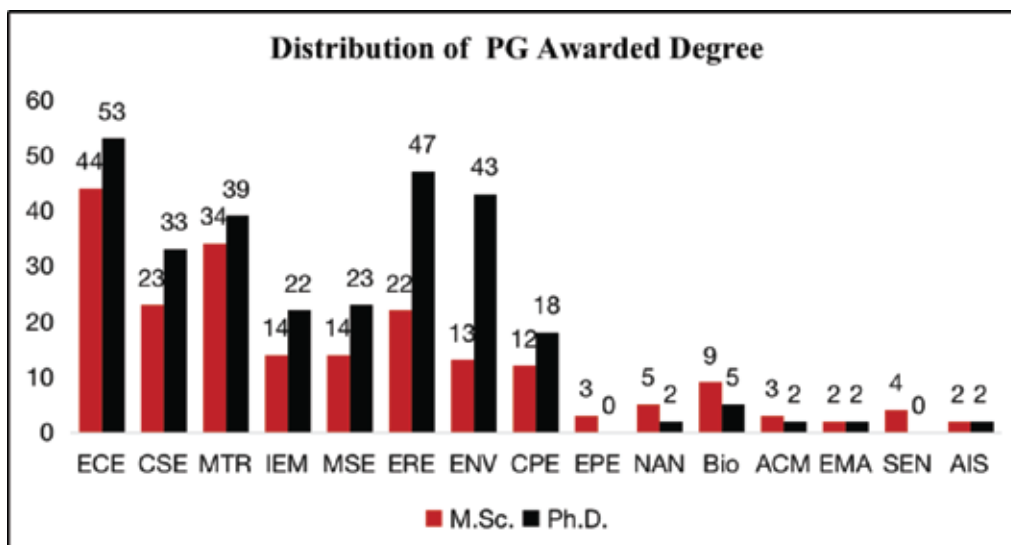


Figure 5 Distribution of PG Awarded Degrees

Percent Distribution of Graduates According to Scholarship

The table below indicates the total number Graduates According to Scholarship since the establishment of the E-JUST until December 2023.

Table 13 Percentages of M.Sc. & Ph.D. Students of MoHE & Non-MoHE Scholarships

M.Sc. MoHE	M.Sc. Non MoHE	Ph.D. MoHE	Ph.D. Non MoHE	Total
100	96	273	16	485
20.62%	19.79%	56.29%	3.30%	100%

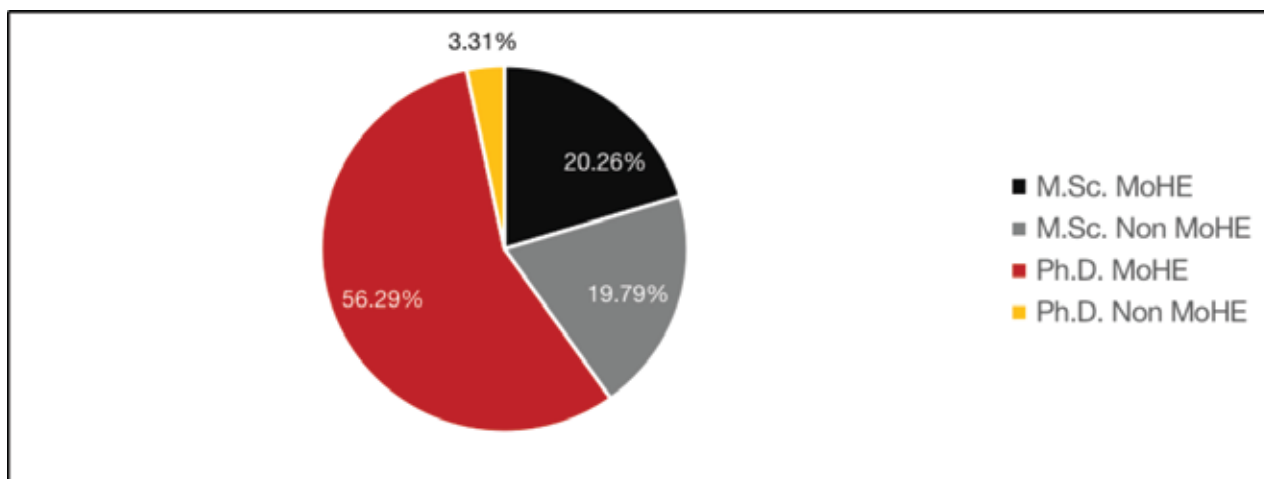


Figure 6 Percentages of M.Sc. & Ph.D. Students of MoHE & Non-MoHE Scholarships

Academic Report- Undergraduate Students

1. Admission:

Table 14 UG Admission

UG Admission	2022/2023							2023/2024							
	FOE	FIBH	CSIT	PharmD	Architecture	Art & Design	Total	FOE	FIBH	CSIT	PharmD	Architecture	Art & Design	BAS	Total
Total No. of Applications	1389	744	1416	1267	156	273	5245	973	373	1016	1039	87	146	293	3927
Invited for Written Exams	995	339	921	812	69	90	3226	775	266	671	705	83	125	237	2862
Attended Written Exams	729	286	565	512	35	78	2205	577	198	488	500	61	98	190	2112
Attendance Ratio	73%	84%	61%	63%	51%	87%	68%	74%	74%	73%	71%	73%	78%	80%	74%
Academically Accepted	505	208	323	336	16	64	1402	391	149	267	341	39	57	101	1345
Acceptance ratio accepted/attended	69%	73%	57%	66%	46%	82%	64%	68%	75%	55%	68%	64%	58%	53%	64%
Enrolled	358	150	250	216	16	57	1047	286	106	210	266	38	54	90	1050
Self-funded	121	86	149	92	4	33	485	101	116	57	98	18	32	61	483
Awarded Scholarship	237	64	101	124	12	24	562	185	94	49	168	20	22	29	567
100% Scholarship/Tuition Waiver	26	10	3	10	1	2	52	21	8	16	10	2	2	3	62
% Enrolled/Academically Accepted	71%	72%	77%	64%	100%	89%	75%	73%	71%	79%	78%	97%	95%	89%	78%
% Self-funded/Enrolled	34%	57%	60%	43%	25%	58%	46%	35%	109%	27%	37%	47%	59%	68%	46%
% Scholarship/Enrolled	66%	43%	40%	57%	75%	42%	54%	65%	89%	23%	63%	53%	41%	32%	54%
100% Scholarship/Tuition Waiver/Enrolled	7%	7%	1%	5%	6%	4%	5%	7%	8%	8%	4%	5%	4%	3%	6%

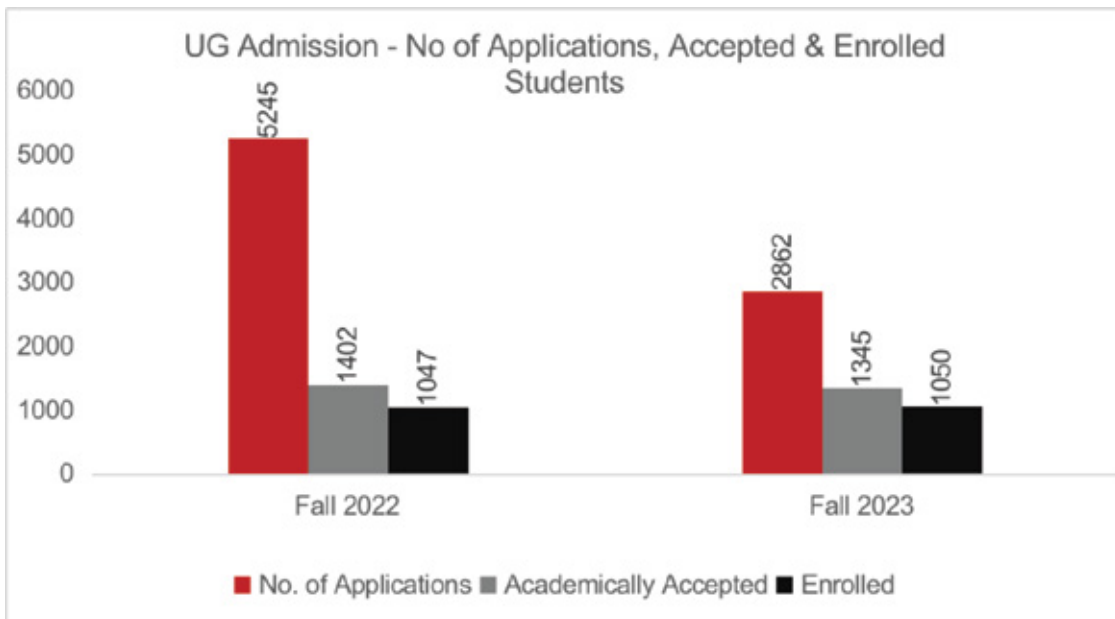


Figure 7 UG Admission - No of Applications, Accepted & Enrolled Students

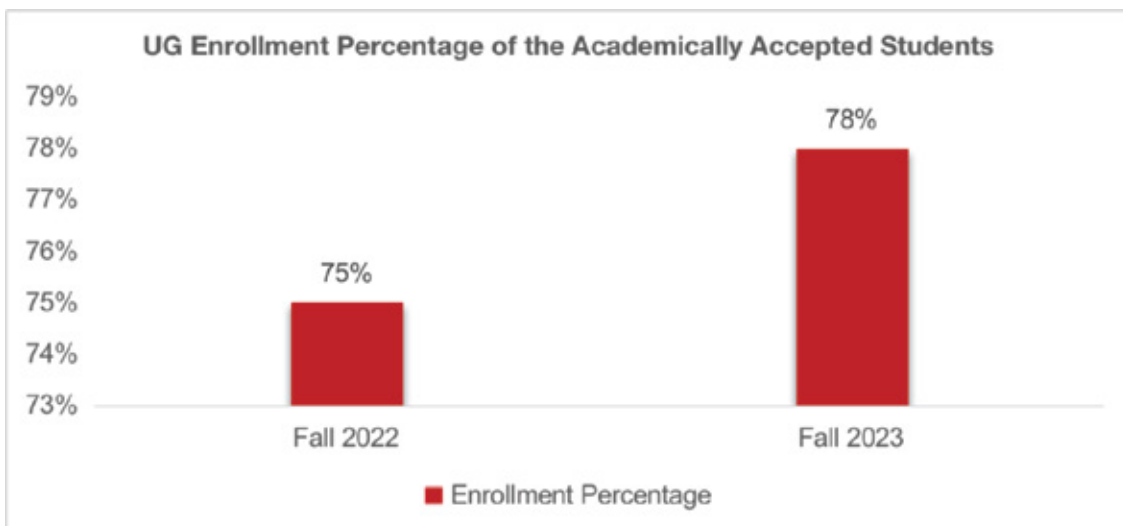


Figure 8 UG Enrollment Percentage of the Academically Accepted Students

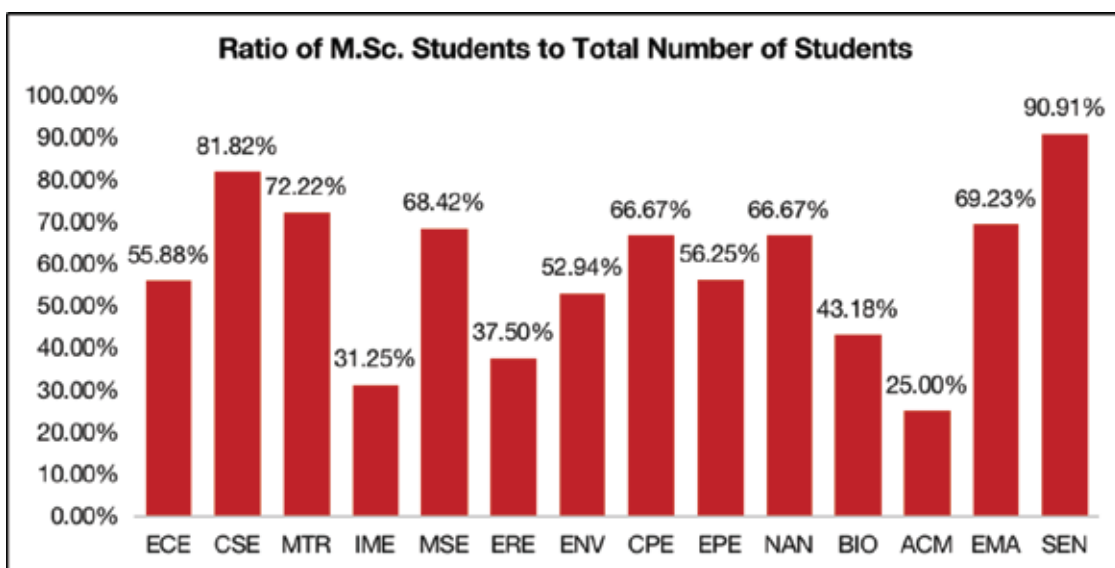


Figure 9 Ratio of M.Sc. Students to Total Number of Students

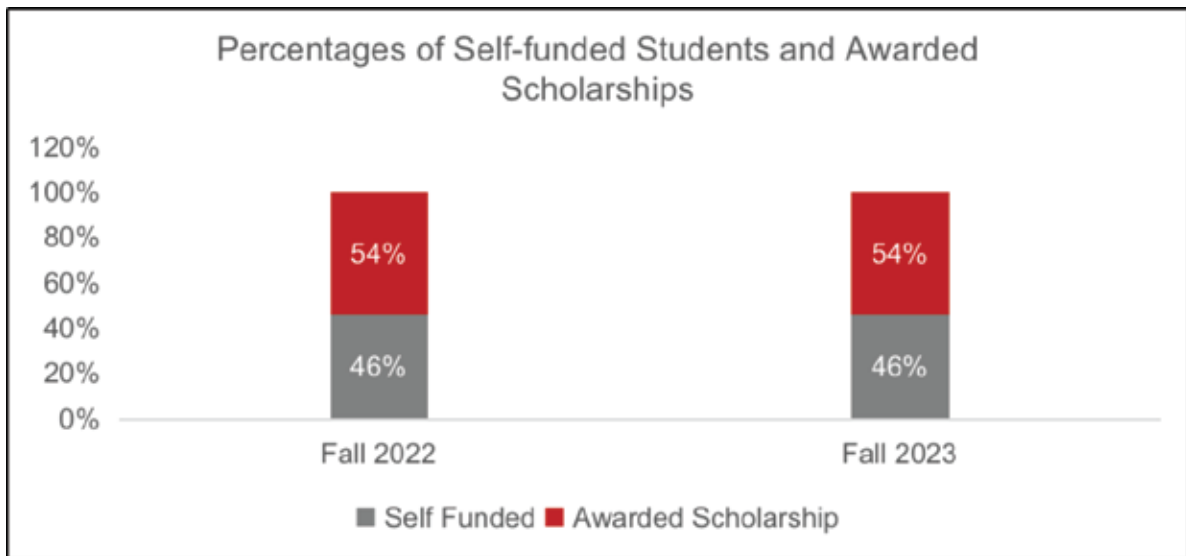


Figure 10 Percentages of Self-funded Students and Awarded Scholarships

2. Registration

Table 15 Total Number of Current Undergraduate Students

UG Batches	FOE	FIBH	CSIT	PharmD	SArch	Art & Design	BAS	Grand Total
1st Grade (Enrolled in Fall 2023 -2024)	286	106	210	266	38	54	90	1050
2nd Grade (Enrolled in Fall 2022 -2023)	317	128	217	195	13	56	0	926
3rd Grade (Enrolled in Fall 2021 – 2022)	333	116	299	170	10	0	0	928
4th Grade (Enrolled in Fall 2020 -2021)	203	141	0	0	0	0	0	344
5th Grade (Enrolled in Fall -2017-2018 -2019)	119	0	0	0	0	0	0	119
Grand Total	1258	491	726	631	61	110	90	3367

Table 16 Current UG Students (Gender Balance)

UG Batches	FOE		FIBH		CSIT		PharmD		SArch		Art & Design		BAS		Grand Total
	Male FOE	Female FOE	Male FIBH	Female FIBH	Male CSIT	Female CSIT	Male PharmD	Female PharmD	Male S-Arch	Female S-Arch	Male A&D	Female A&D	Male BAS	Female BAS	
1st Grade	209	77	50	56	153	57	60	206	11	27	12	42	26	64	1050
2nd Grade	240	77	60	68	163	54	63	132	0	13	6	50	-	-	926
3rd Grade	248	85	59	57	196	103	65	105	1	9	-	-	-	-	928
4th Grade	166	37	69	72	-	-	-	-	-	-	-	-	-	-	344
5th Grade	94	25	-	-	-	-	-	-	-	-	-	-	-	-	119
Grand Total	957	301	238	253	512	214	188	443	12	49	18	92	26	64	3367

3. Graduation

Table 17 UG Graduation

Graduation Semester	FOE		FIBH		Total
	Male FOE	Female FOE	Male FIBH	Female FIBH	
Fall 2022	25	12	0	1	38
Spring 2023	4	2	10	5	21
Summer 2023	0	0	2	5	7
Grand Total	29	14	12	11	66

JICA Activities

1. Overview of JICA Project inputs

Project Experts (Long Term): 7 experts including 2 Vice Presidents

Secondment of faculty/advisors from Japanese Cooperation Universities (JCU):

The activities by online and interactions between JCUs and E-JUST have continued and physical communications have resumed from 2022, after COVID-19. The details are shown in Table 18.

Activities including the following have been carried out face-to-face or online from Japan:

- Support to introduce: a) graduation project system for the UG final year
b) Laboratory-based education for FoE and zemi-system for FIBH
- Co-supervision of graduate student research for FoE
- Arrangement of short-term study of Ph.D. students of FoE in Japan
- Co-teaching of FIBH and Liberal Arts Education courses
- Advising on the management of Faculty, School, and Department

In addition, some seminars, lectures, co-teaching, and advising on student research through zemi, etc. were carried out based on an individual contract between a faculty member of JCUs and JICA.

Since resuming JCU Faculty dispatch in April 2023 until the end of September 2023

Table 18 JCU Faculty Visiting Days to E-JUST

		# of Faculty	Visiting Days
FoE	Electrical Power Eng. (EPE)	2	40
	Electronics and Communication Eng. (ECE)		
	Chemical and Petrochemical Eng. (CPE)	2	29
	Computer Science and Eng. (CSE)	0	0
	Mechatronics and Robotics Eng. (MTR)	1	58*
	Materials Science and Eng. (MSE)	0	0
	Industrial and Manufacturing Eng. (IME)	2	10
	Environmental Eng. (ENV)	0	0
	Energy Resources Eng. (ERE)		
FIBH		1	7**
LACC		0	0
University Management		4	26
Total		13	170

(*) Accumulated number of days from March

(**) Accumulated number of days till October

Mission/Study visit/Training in Japan or third countries

- President Mission; May 7 to May 2023 ,12; President, the First Vice President for RIA, TMD Director, CINTECH Director, Project.

Following up on the President Mission in 2022 that focused on strengthening networks between E-JUST and JCUs after Prof. Adly was appointed as E-JUST president. The mission visited Hiroshima University, Ritsumeikan University, Tohoku University, Toyota Tsusho, DMG Mori, Yokogawa, the Embassy of Egypt in Japan, Tokyo Metropolitan Government.

- FIBH Fellowship Program; July 5 to August 3 ;9 FIBH academic staff

The program was provided by Ritsumeikan APU to learn and improve Zemi-style education and research capabilities.

JICA scholarships for African Students (Third Country Training):

This scholarship is going to finish when the last batch of students who enrolled in Oct. 2020 graduate from E-JUST, which is supposed to be in April 2023.

Cumulative Total 13 students (Ph.D.: Kenya 4, Nigeria 2, Ghana 1, And M.Sc.: Kenya 2, Nigeria 1, Ghana 3)

TICAD7 scholarships started in 2020 and 2 Ph.D. and 126 Master's course students have enrolled.

TICAD8 started in 2023 for 100 Ph.D. and 50 Master's degree

2. Support enhancement of FoE, FIBH, Liberal Arts Education, and LACC

Consultation and advice of faculty from JCUs and Academic Advisors for the project continued to improve the quality of education and research.

Faculty of Engineering (FoE):

- Support for implementing laboratory-based education in graduate school.
- Support for implementing the graduation project in undergraduate school.
- Support for building a system to jointly guide graduate student research with faculty members from both Japan and Egypt sides.
- Advising on developing the management policy of graduate and undergraduate schools.
- Support ICCEEE2023 organized by EECE in collaboration with Tokyo Institute of Technology and Kyushu University.
- Gave comments on 12 new programs proposed at the 25th BOT in December 2022.

Faculty of International Business & Humanities (FIBH) and Liberal Arts & Culture Center (LACC):

- Support for the co-teaching activities in the FIBH and LACC.
- Support for the co-teaching surveys implemented in the FIBH and LACC.
- Support for Zemi system and instruction method enhancement.
- Support the 3rd FIBH/LACC Working Group (JCU) on April 11 to discuss sustainable networks and cooperation with FIBH and LACC.
- Support for new track program of MOT under MBA with Tokyo Institute of Technology
- Support FIBH to prepare for applying for international accreditation.
- Support LACC to conduct E-JUST Summer Program in August and 26 Japanese university students from 8 universities participated.
- Support LACC to host a customized summer program for Hiroshima University in September.
- Support a workshop on Art-Based Research in collaboration with Meiji University in August.
- Support the establishment of a new academic program of Heritage Science.

(*) Accumulated number of days from March

(**) Accumulated number of days till October

3. Support Enhancement of Administration & University Management and International & Regional Collaborations

- Support the Academic and Student Affairs Office, and International & Regional Office by Ritsumeikan University (Contract ended in February 2023)
 - Supporting the Academic and Student Affairs Office, and Regional & International Affairs Office Conducted online training to enhance the Student Exchange System.
 - Monitoring Career Support activities based on the suggested roadmap:
 - Support conducting the desired career path survey for the 4th year students.
 - Support planning the detailed career support activities including employment fair.
 - Provide suggestions and feedback on materials used for Career Support.
- Promotion of student exchange programs with Japanese universities.
 - Support for students' applying for EJEP scholarship.
 - Support for expanding the network with Japanese Universities that could exchange students.
- Support for implementation of TICAD7 African Scholarship.
- Support for promotion and preparation of TICAD8 African Scholarship.
- Support for introducing a Performance Appraisal System (PAS) for Admin Staff by Ritsumeikan University.
 - Support for implementing the trial phase of PAS for all admin staff.
 - Support for extracting lessons learned from the trial implementation
 - Support revisions of PAS evaluation criteria.
 - Coordination to organize discussion sessions with Mr. Oshima of Ritsumeikan for actual implementation.
 - Support for preparation of PAS 2023.
- Support for career support of E-JUST
 - Support development of Career Guidebook.
- Support for the promotion of MoUs with Japanese Universities
 - Renewed: Hiroshima University for general collaborations, Tohoku University for student exchange, and Three-party MoU with Ritsumeikan University and Ritsumeikan APU for general collaborations.
 - Signed: Ritsumeikan University for student exchange and Hiroshima University for student exchange.
- Support a program for Egypt Japan Schools (EJS)
Support providing a program to stimulate curiosities in science and technology for about 5 30th-grade students of EJS in May.

4. All Japan Support

- The Board of Trustees includes 10 representatives from the government, JICA, universities, and industries.
- Japanese Government
 - Mr. Kishida, Prime Minister of Japan, visited Egypt in April and E-JUST members including Prof. Hany Helal, Prof. Gohary, former president of E-JUST, Prof. Fukuda, Vice President of Research, international students, JICA project members, and others joined a reception on April 30.
- Japanese enterprises provide scholarships, lecturing, and internship opportunities.
 - Scholarship for African and Egyptian Students from Toyota Tsusho Corporation
 - Research collaboration with SARAYA.
 - MoU signed with Yokogawa Middle East & Africa B.S.E.(c) about the special training and internships.
 - Yokogawa Middle East & Africa B.S.E.(c) provided the 3 days of special training and 43 students and alumni joined the program. 3 candidates among 43 have been selected and will attend 4 months internship in Bahrain.
 - RICHO has continued to provide seminars on technical aspects and HR management.

- Scholarships from Japan
 - EJEP-HRDP: 15 UG students passed for the 8th call and 10 were dispatched to Japan.
 - JICA scholarship program for Human Resources Development for Science, Technology and Innovation (STI): 1 started their Ph.D. at WASEDA University in April 2023 and another candidate finished their M.Sc. at E-JUST and is preparing for a Ph.D. at Kyushu University.
 - Other: Kenyan students under the TICAD7 scholarship were dispatched to the Tokyo Institute of Technology for 9 months in collaboration with the JKUAT project.

International Affairs

Participation in a Short-term Non-degree Program in Japan

One female student, who is a UG student of Osaka University, participated in a short-term non-degree program by LACC for the Fall 2023 semester.

She is currently studying “International Human Resource Management”, “Art & Architecture of Ancient Egypt”, “Modern Egyptian History”, “African and Middle Eastern Studies”, “Water and Politics in Africa and the Middle East”, “Natural Resources and Sustainability”, “Arabic Language” and “Fundamentals of Communication”.

Participation in Activities under the Triangular Study Abroad Program for Reciprocal Partnership with North and Sub-Saharan Africa

In light of E-JUST’s participation in the “Triangular Study Abroad Program for Reciprocal Partnership with North and Sub-Saharan Africa”, which was hosted by Hiroshima University and funded by the MEXT Inter-University Exchange Program, E-JUST received a call for [e-START Program] two online courses offered by HU in addition to call for Student Exchange.

The online courses were offered as a preliminary step for an international exchange program between E-JUST and HU (students who will join the e-START program, may have the chance in the future to study at HU for one semester). The call was open for E-JUST’s undergraduate and postgraduate students.

The two online courses are; “Inter-relationship between the SDGs: Relation of good health & wellbeing and education with (no) poverty and food security” – with the capacity of 6 E-JUST students held from 3rd July 2023 to 24th July 2023, “Peace and SDGs” – with the capacity of 10 E-JUST students held from 7th August 2023 to 30th August 2023.

After internal interviewing of candidates, one UG FOE student was accepted as a special auditing student at Hiroshima University (Student Exchange) for the period of 6 months from October 2023 to March 2024.

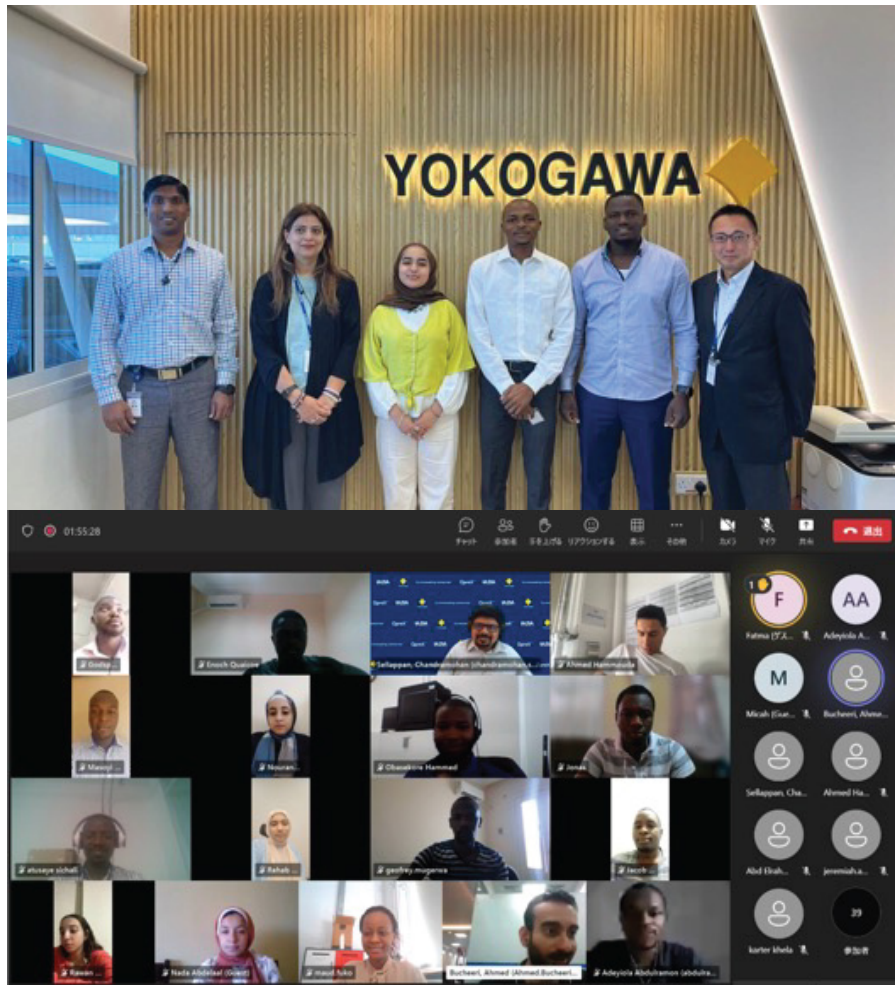
Yokogawa Online Training Course and Internship Opportunity in Bahrain

In light of the current active MoU between E-JUST and Yokogawa Electric Middle East and Africa, an intensive online training course from July 11 to July 2023 ,13, was given out to E-JUST Alumni, Senior UG and MSc Students from FOE and BAS (total 43 attendees) about practical technology and latest control systems in the process industry. In addition, Yokogawa Electric Middle East and Africa provided a 4-month physical internship opportunity in Bahrain (3 slots) to start from the end of October 2023.

After E-JUST shortlisted 10 alumni for the internship selection process and interview, Yokogawa Electric Middle East and Africa conducted the interview and awarded the following alumni the internship opportunity.

Table 19 E-JUST Students who received training at YOKOGAWA

Name	Nationality	Status	Major	Department/Program
Adeyiola Abdulramon Olawale	Nigeria	Master Graduate (2023Mar)	Basic and Applied Science	Applied and Computational Mathematics
Timo Paul Nдох	Cameroon	Master Graduate (2023Apr)	Engineering	Electrical Power Engineering
Arwa Youssry Elkasabi	Egypt	UG Graduate (2022Mar)	Engineering	Mechatronics Engineering



Young Diplomats Visit – Senghor University

As part of the Young Diplomats Visit to Egypt and Senghor University, E-JUST hosted on June 2023, around 90 Young Diplomats from different nationalities such as; Morocco, Chad, Niger, Cameroon, Argentina, Canada, France, Congo, Haiti, etc. to know about E-JUST’s history, academic departments, campus, available facilities, international admission and scholarships and such. They also had an open discussion segment with E-JUST’s top management and academic members to explore the opportunities for cooperation between E-JUST, Senghor University, and the young diplomats.





Organizing E-JUST Summer Programs for International Students for 2023

The summer program at E-JUST is an opportunity to welcome international students at E-JUST to experience the Middle Eastern culture of Egypt. It presents diverse cross-cultural activities and workshops for maximum exposure to the culture and Arabic language. It is a great chance to explore Egypt as a tourist country, its culture, and language accompanied by some E-JUST students, highly qualified Supervisors, and Teachers.

E-JUST organized the summer program in 2018 and 2019, however, due to the unfortunate obstacles of COVID-19, the program was suspended and fortunately, in 2023 E-JUST resumed its activities to organize the program.

E-JUST successfully organized and concluded 2 consecutive summer programs and their details are as follows;

	Group 1	Group 2
Description	Open Call for all partner universities	Special summer program for Hiroshima University (Based on HU request)
Date	13 – 24 August 2023 10 days excluding arrival and departure	3 – 9 September 2023 5 days excluding arrival and departure
No. of Participants	26 Students	15 Participants ● 12 students ● 2 admin staff ● 1 academic staff
Gender of Participants	Male: 6 Female 20	Male: 11 Female: 3
Nationality of Participants	25 Japanese 1 Chinese	14 Japanese 1 Nepalese
Affiliation of Participants	7 Tokyo Metropolitan University 5 Sophia University 4 Osaka University 4 Tsukuba University 3 <u>Ritsumeikan</u> 2 Tokyo University of Foreign Studies 2 Tokyo City University 1 Keio University	Hiroshima University
Summary of Program's Activities	6 Arabic lectures (Standard and Colloquial) 1 Heritage lecture + sites <u>visit</u> 1 Logic Gym Competition 1 Egyptian Culture lecture 1 Arabic Calligraphy workshop Food Activity (Cooking Egyptian food) Movie night Shopping in the supermarket Sightseeing Trips to Alexandria and Cairo	1 Egyptian Culture lecture 1 African SDGs lecture 1 Sustainable Architecture in Africa lecture 1 Food security lecture 1 Heritage lecture + sites <u>visit</u> Food Activity (Cooking Egyptian food) Movie night Shopping in the supermarket Sightseeing Trip to Alexandria

Based on the after-completion survey that was conducted by the RIA for both groups, their feedback and comments were very positive, and expressed their satisfaction with the planned programs, the support provided by both E-JUST National students and staff, and the integrating environment that ensured a safe space for discovering and exploring the Egyptian culture and society. The participants expressed their willingness to highly recommend the program to their colleagues even if one of the participants requested to organize a winter program.

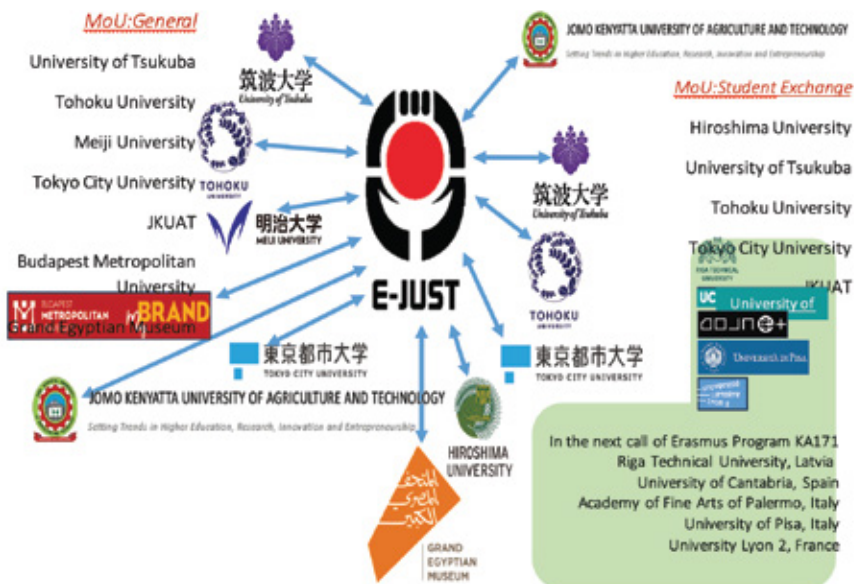
Moreover, Tokyo City University TCU requested to sign students exchange MoU with E-JUST which came in light of the positive feedback they received from their students who joined the E-JUST summer program.



Memoranda of Understanding (MoUs)

E-JUST concluded the following MoU with the international counterparts:

- Hiroshima University on Triangular Study Abroad Program for Reciprocal Partnership with North and Sub-Sahara Africa
This is an exchange MOU, which was signed by Prof. Amr Adly on the 3rd of May, 2023.
- With Tohoku University on Academic Exchange and Student Exchange (Extension)
This is an extension agreement, which was signed by Prof. Amr Adly on the 21st of May, 2023



TICAD7 Sample Career Path:

Since E-JUST provides quality world-class education, E-JUST graduates have the opportunity to pursue and secure career opportunities in both academia and industry.

TICAD7 Graduates and Sample Career Path

Table 20 TICAD7 Graduates and Sample Career Path

Full Name	Nationality	Current Job	Current Country
<u>Mohammed Fuseini</u>	Ghanaian	Research assistant at the Center for Scientific and Industrial Research in Ghana	Ghana
<u>Mariam K.Ali</u>	Kenyan	Lecturer/JKUAT/Kenya	Kenya
<u>Meshack Hawi Ochieng'</u>	Kenyan	Lecturer, Department of Mechanical Engineering, Jomo Kenyatta University of Agriculture and Technology	Kenya
<u>Hudson Ajile Omuzi</u>	Kenyan	MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY	Kenya
<u>Oscar Kayanja</u>	Ugandan	PhD Candidate, NTNU Norwegian University of Science and Technology, Norway	Norway
<u>Ajani Oladayo Solomon</u>	Nigerian	PhD Candidate, Kyungpook National University, South Korea.	South Korea
<u>Jacob Herman Leonard</u>	Tanzanian	Assistant Lecturer at Tumaini University of Dar es Salaam	Tanzania
<u>Ignatius Ebo-quansah</u>	Ghanaian	Doctoral Researcher United Arab Emirates University	UAE
<u>Joseph Konadu Boahen</u>	Ghanaian	PhD candidate, United Arab Emirates University, UAE	UAE
<u>Roice Bwambale Kalengyo</u>	Uganda	Deputy Coordinator, Ndejje university, Water and Environmental Research and Development Center	Uganda
<u>Tonny Ssettumba</u>	Uganda	Lecturer, Soroti University	Uganda
<u>Anita Atukunda</u>	Uganda	Environment health and safety supervisor, Nexus green UK Ltd, Uganda	Uganda
<u>Frank Efe Erukainure</u>	Nigerian	ICTAS Doctoral Scholar, Virginia Tech, USA	USA
<u>Hillarus Dela Gohoho</u>	Ghanaian	Pursuing a PhD, Graduate Research Assistant, University of Nebraska-Lincoln, USA	USA
<u>Allan Takudzwa Muzhanje</u>	Zimbabwean	Research Scientist Engineering at ZCHPC	Zimbabwe

TICAD8 Scholarships

Regarding the vast success of E-JUST TICAD7 African Scholarships for STI ((known as “TICAD7 Scholarships”) that was established on the occasion of the Seventh Tokyo International Conference on Africa’s Development (TICAD7), by which E-JUST successfully enrolled 128 international postgraduate students from 14 different African countries from 2020 until 2022, E-JUST TICAD 8 African Scholarships for STI (hereafter referred to as “TICAD8 Scholarships”) were launched during the Eighth Tokyo International Conference on Africa’s Development (TICAD8) in cooperation between the Egyptian and Japanese governments as a continuum for TICAD7 scholarships with the ultimate goal of developing high-quality human resources in the field of Science, Technology, and Innovation (STI) towards future African STI network and beyond.

Research Collaboration (Data until September 2023)

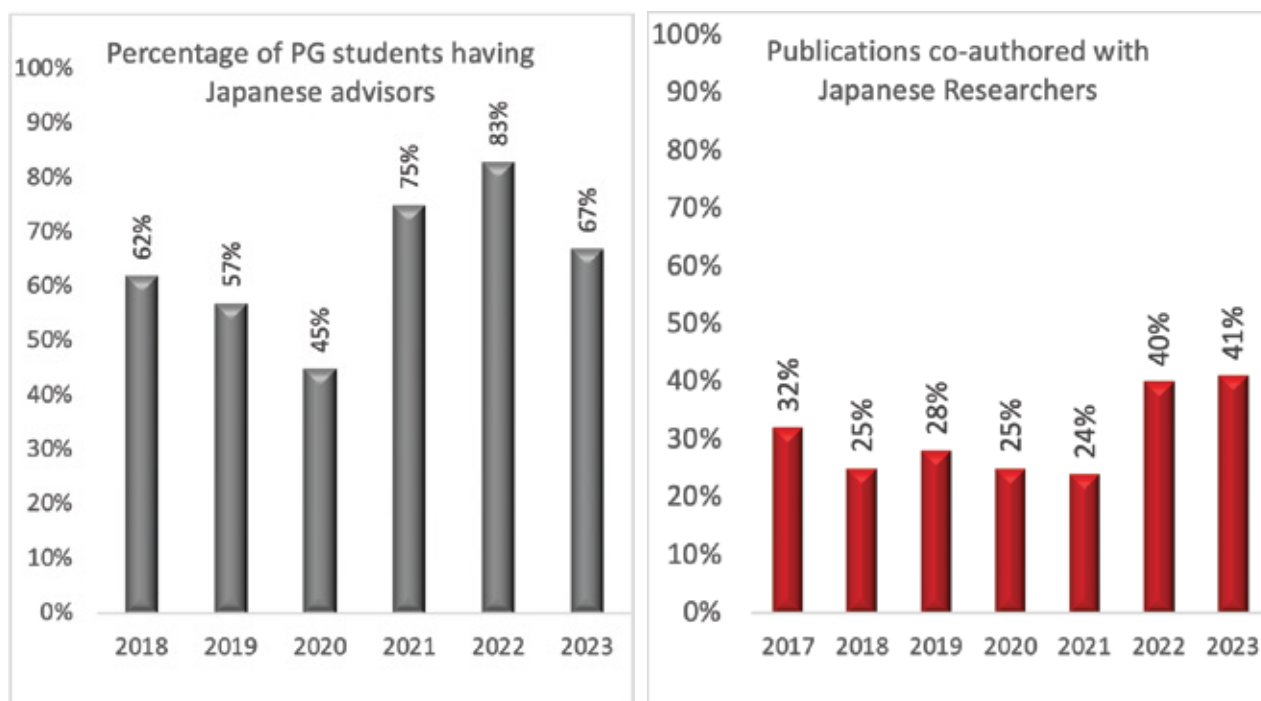


Figure 11 Percentage of PG students having Japanese advisors.

E-JUST Academic and Supporting Staff Statistics

School	Dept.	Professor	Associate Professor	Assistant Professor	Total	Academic	TAs	Language Instructors	Lab Specialists	Overall Total
E-JUST Top Management (President and 3 VPs)		4	0	0	4	0	0	0	0	4
School of Electronics, Communication, and Computer Engineering	ECE	4	2	1	7	1	7	0	3	25
	CSE	1	1	1	3	4	5	0	2	17
	EPE	2	2	0	4	0	2	0	2	12
School of Innovative Design Engineering	MTR	2	2	0	4	3	6	0	5	22
	IME	3	5	2	10	4	4	0	8	36

School of Energy, Environment, Chemical & Petrochemical Engineering	ERE	1	1	1	3	1	3	0	2	12
	CPE	2	1	0	3	0	2	0	2	10
	ENV	2	1	2	5	0	0	0	1	11
School of Basic and Applied Sciences - BAS		13	3	2	18	5	20	0	5	66
Faculty of International Business and Humanities		3	1	12	16	9	10	0	0	51
Liberal Arts and Culture Center		3	1	4	8	3	0	19	0	38
PharmD Program		2	3	0	5	7	12	0	3	32
Sustainable Architecture		0	2	0	2	1	3	0	0	8
Computer Science and Information Technology		1	2	3	6	1	13	0	1	27
Art and Design Programs		0	1	1	2	1	4	0	0	9
CINTECH		0	0	0	0	1	0	0	0	1
Total		39	28	29	100	41	91	19	34	381

Current ratio of faculty member to UG students is 1:23, and for the PG students it is 1:2



Goal. 5 Gender Equality

• Aim

E-JUST strives to achieve gender equality and empower all women and girls. Empowering women and promoting gender equality is crucial to accelerating sustainable development. Ending all forms of discrimination against women and girls is not only a basic human right, but it also has a multiplier effect across all other development areas.

• Actions

Gender Balance

Gender Balance in Current Postgraduate Students in All Faculties

Table 21 Gender Balance among All E-JUST PG Students

Gender	Engineering	Basic and Applied Science	Faculty of International Business and Humanities	Grand Total	Ratio
Female	47	43	11	101	49%
Male	145	55	4	204	51%
Grand Total	192	98	15	305	100%

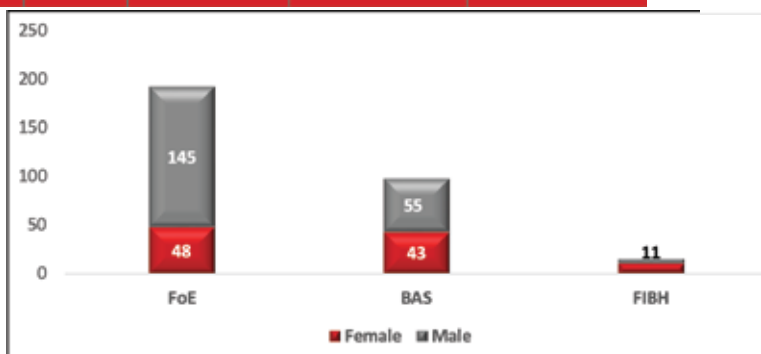
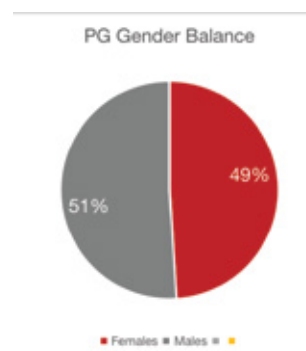


Figure 13 Gender Balance in FOE, BAS & FIBH PG Students

Current Students / Gender/ Program (FoE and BAS) until September 2023 ,30:

Table 22 Gender Balance in Current PG Students per Program

Programs	Female	Male	Grand Total	% Female
ECE	10	24	34	29.41%
CSE	4	7	11	36.36%
MTR	4	14	18	22.22%
IEM	5	11	16	31.25%
MSE	1	18	19	5.26%
ERE	1	31	32	3.13%
ENV	11	23	34	32.35%
CPE	5	7	12	41.67%
EPE	6	10	16	37.50%
NAN	6	12	18	33.33%
BIO	28	16	44	63.64%
ACM	2	10	12	16.67%
EMA	4	9	13	30.77%
SEN	3	8	11	27.27%
Grand Total	90	200	290	31.03%

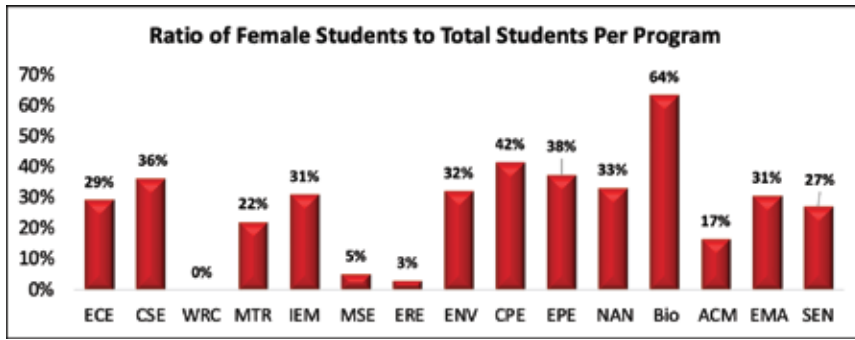


Figure 14 Ratio of Female Students to Total Students Per Program

Female Students upon the Semester Applied (FoE & BAS) until September 2023 ,30.

Table 23 Female Students upon the Semester Applied (FoE & BAS)

Semester- Admitted (National + International)	Fall 2022	Spring 2023
No. of New Female Students	18	15
No. of New Male Students	39	18
Total No. of Students	57	33
Ratio of Female to Total Students	32%	45%

PG Gender Balance

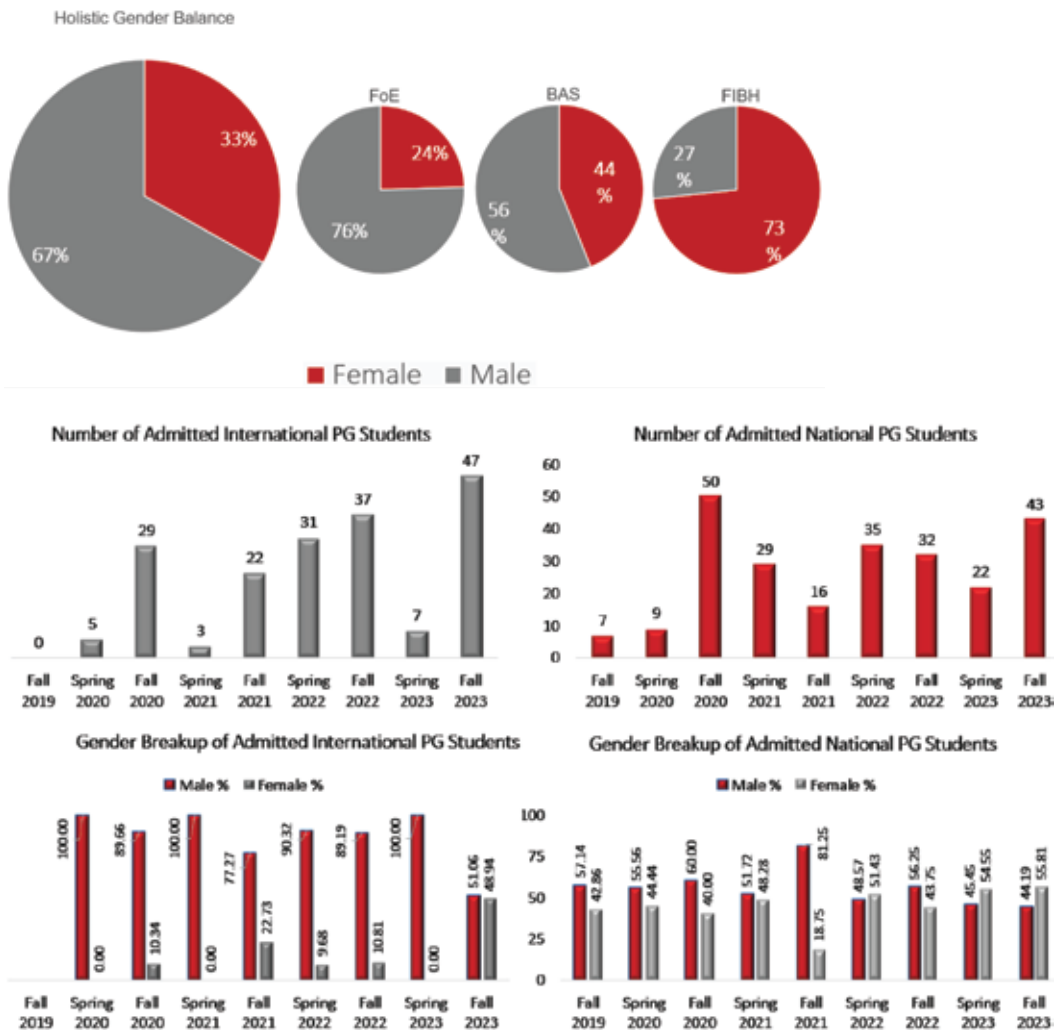
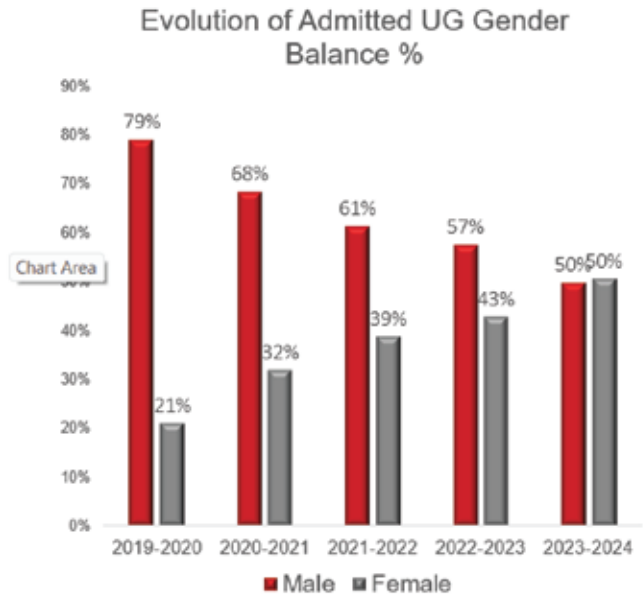
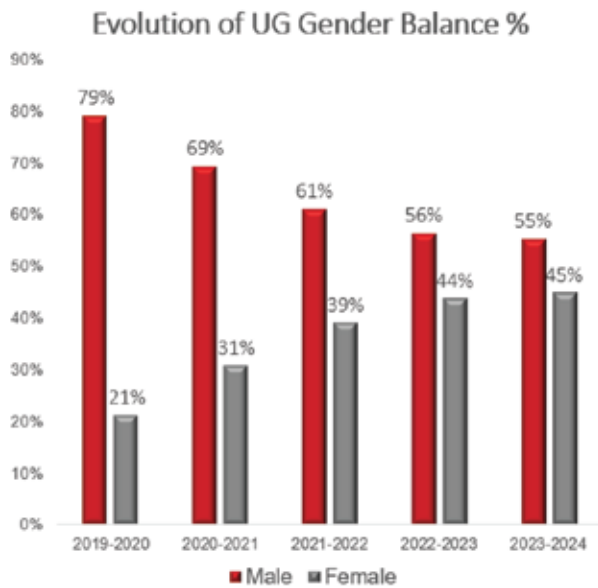
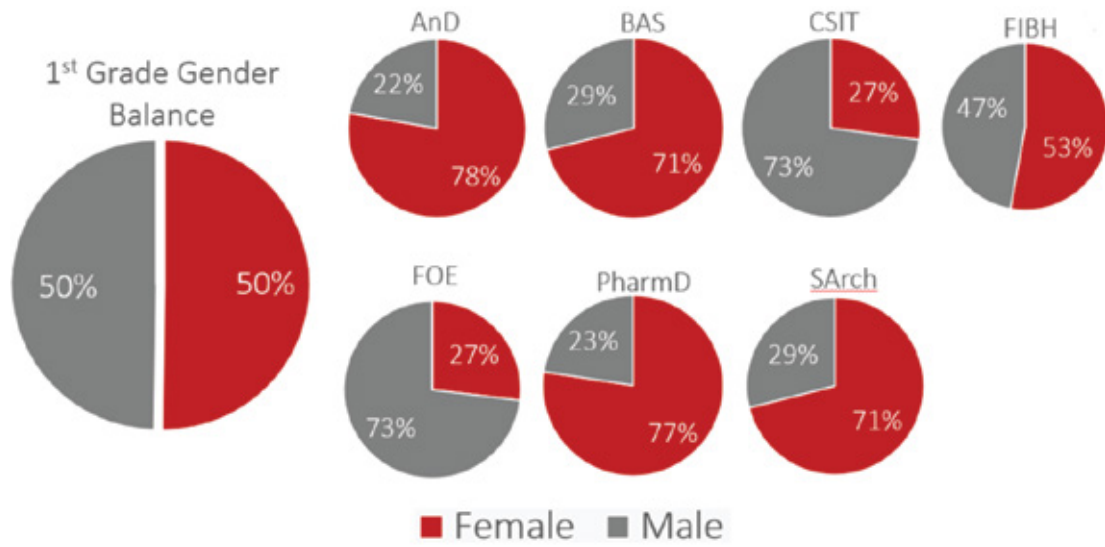
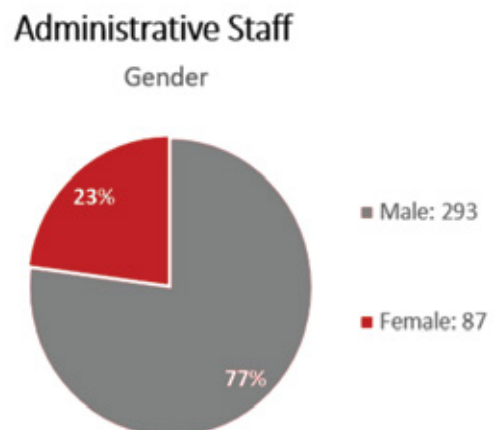
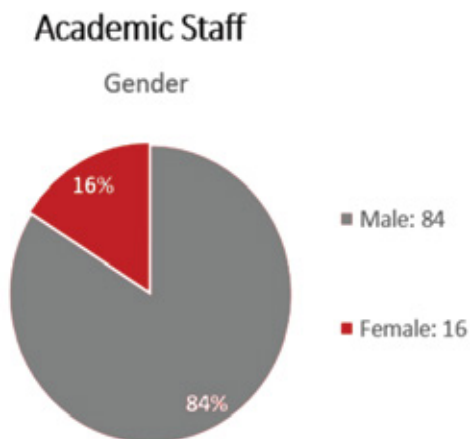


Figure 6 Comparison Between the Number of Female and Male Students/ Semester in E-JUST

Current UG Gender Balance:



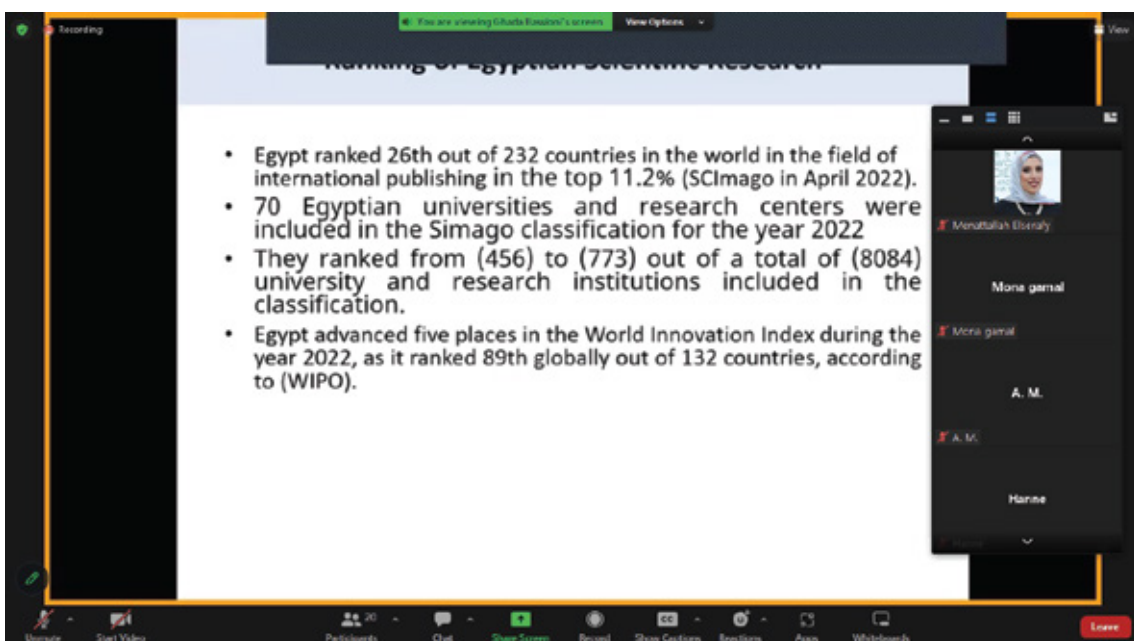
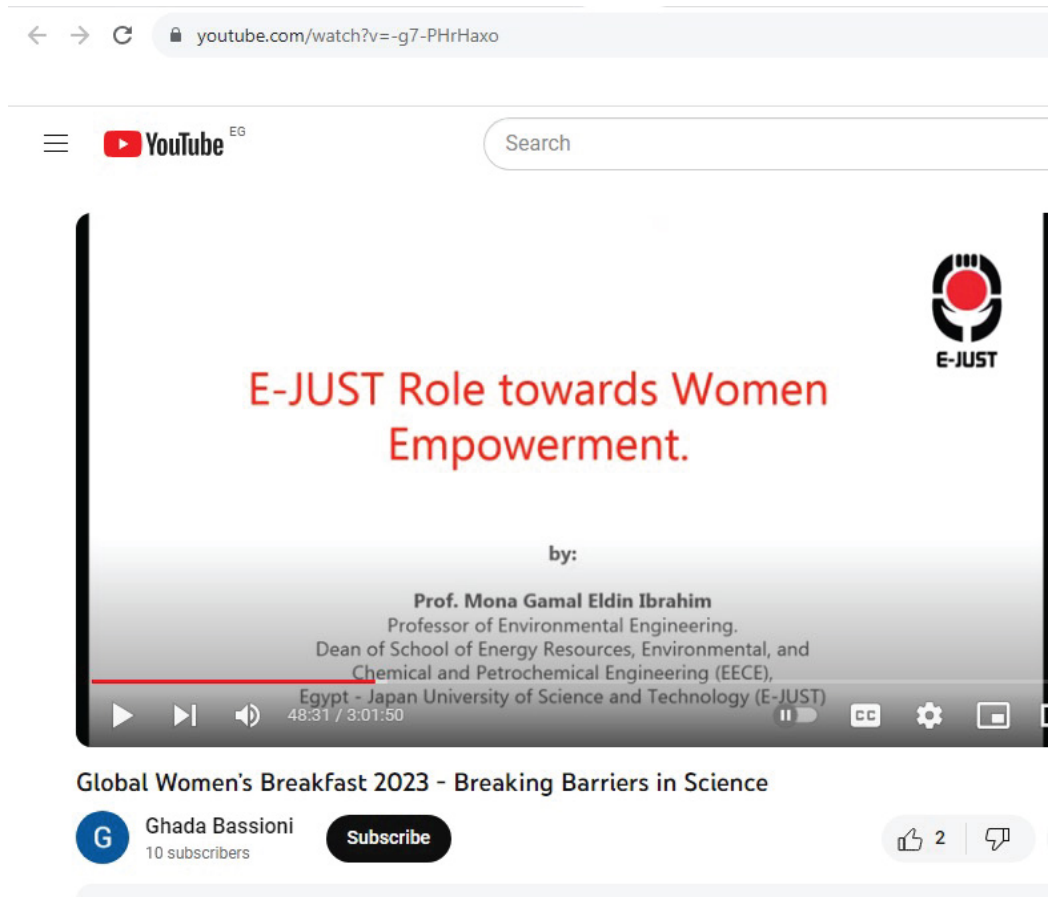
Staff members gender balance:



- A session on “E-JUST Role Towards Women Empowerment”:

On February 14th, 2023, Prof. Mona Gamal Eldin participated and gave a session on “E-JUST Role Towards Women Empowerment” in the Global Women’s Breakfast 2023 (GWB) organized by the National Committee for Pure and Applied Chemistry (NCPAC), Academy of Scientific Research and Technology (ASRT), and the German Chemical Society (GDCH).

<https://www.youtube.com/watch?v=-g7-PHrHaxo>





Goal. 6 Clean water and Sanitaion

• Aim

Ensure availability and sustainable management of water, sanitation, and hygiene practice

• Actions

E-JUST provides courses related to Water and Wastewater Treatment technologies to both undergraduate and graduate students.

A workshop on “Ecological Footprint”

Within the Children's University Program conducted at E-JUST to transfer the knowledge of “Water, Sanitation, and Hygiene Practices” to children at the age of 15, Dr. Mahmoud Nasr, Associate professor of Environmental Engineering, held a workshop on “Ecological Footprint” on 2023-2-5. The workshop objective is to support and strengthen the participation of children and local communities in improving water and sanitation management.



EJUST has the highest relative activity index in SDG 6:

According to the SCOPUS database, EJUST has the highest relative activity index defined as the share of an institution's scholarly output in SDG6 relative to the worldwide share of scholarly output in SDG6 (<https://www.scival.com/overview/sdg?uri=Institution/714057>)



Publications by SDG

Add to Reporting Exp

The United Nations Sustainable Development Goals (SDGs) challenge the global community to build a world where no one is left behind. [Learn more](#)

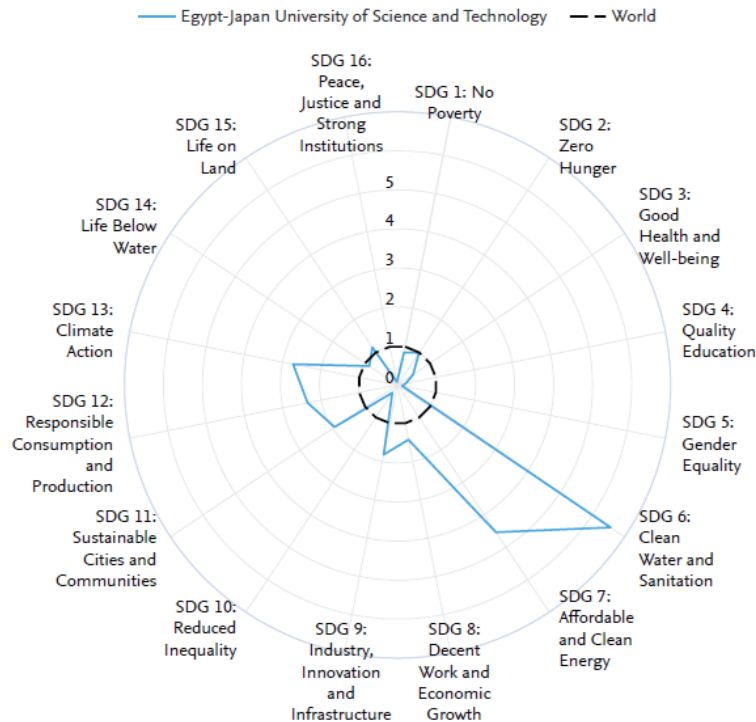
The listed SDGs are based on the [Elsevier 2023 SDG Mapping](#)

Table Bar chart Relative Activity Chart

Relative Activity

The Relative Activity Index is defined as the share of an Institution's Scholarly Output in a SDG relative to the worldwide share of Scholarly Output in that same SDG. [Learn more](#)

Compare to Egypt Alexandria Unive



The number of published articles related to water and wastewater treatment technologies increased by 40% compared with the previous year

E-JUST Environmental Club organized the Beach Clean-Up campaign:

Under the auspices of Prof. Amr Adly – President of Egypt-Japan University of Science and Technology (E-JUST), and the support of Prof. Sameh Nada – E-JUST vice president for education and academic affairs, Prof. Mona Gamal Eldin Ibrahim – Dean of the School of Energy Resources, Environmental, and Chemical and Petrochemical Engineering, and the supervisor of E-JUST Environmental Club organized the Beach Clean-Up campaign to clean Ras Eltin beach, Bahary district, Alexandria on Saturday 14-10-2023.

The campaign was organized coinciding the World Environment Day 2023 under the theme “Beat Plastic Pollution”, in collaboration with Innerwheel Alexandria East Club.

E-JUST Environmental Club is chaired by Ms. Rowan Adel Zaghloul – a student in the third grade in Energy Resources Engineering department. Participants correctly collected garbage and various waste from the beach, including plastic bottles, cigarettes, food wrappers, and other materials that pollute the environment. The wall and garbage baskets were also painted, encouraging the public to visit the beach and throw the garbage in its proper place.

E-JUST always strives to raise the environmental awareness of the students and the society achieving the sustainable development goals and Egypt's Vision 2030 in addition to adapting to climate change.



The campus has a desalination (Reverse osmosis) unit, with a capacity of the desalination unit is 30 m³/d. It provides water for drinking purposes and washing raw fruits and vegetables. Generally, the influent TDS is 500 ppm, and the water quality improved at 150 ppm. The effluent from the desalination unit enters each floor using separate pipes.



Reverse osmosis desalination unit at EJUST campus, providing safe and free drinking water



Schematic diagram of the RO system



Ultraviolet (UV) unit for disinfection



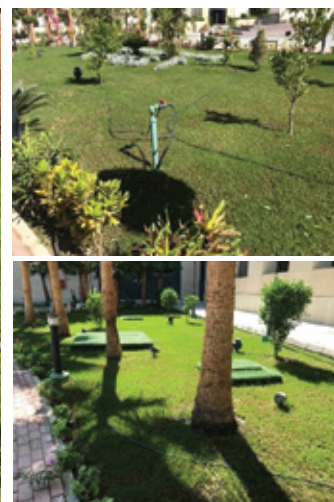
Automatic control and monitoring of the RO system

E-JUST practices to minimize water loss:

The irrigation of green areas and landscapes is provided by the drip irrigation system to save water and nutrients. Drip irrigation is done either in the early morning or during the late afternoon and/or evening to mitigate evaporation and ensure that water can be effectively absorbed by plants.



Drip irrigation system to minimize water loss



Saving water at the green area

Plants used in the green area (landscape) are drought-tolerant, so they don't need much water at all to survive and thrive. Examples of those plants are Yucca, Furcaria, and Euphorbia.





Goal. 7

Affordable and Clean Energy

- **Aim**

Goal 7 aim is to raise the use of clean and renewable energy, reduce energy consumption, reduce indoor air pollution, and lessen using pollutant fuels.

- **Actions**

- Eco-friendly campus

E-JUST Permanent Headquarters (main campus) is established on an area of 200 acres, and the buildings occupy only %17 of the total area. Not only are the designs environmentally friendly, but they also have the latest modern technologies. On the main campus natural ventilation technique has been applied to reduce electrical power consumption in air conditioning systems. Absorption chillers, driven by thermal energy, have been used in central air-conditioning systems instead of electrical chillers which significantly improve the building energy efficiency. Besides, electric cars are used for internal transmission within the main campus. Also, a solar water heating system is used for water heating in the housing buildings. Moreover, PV systems are used in the headquarters university building to generate electric power.



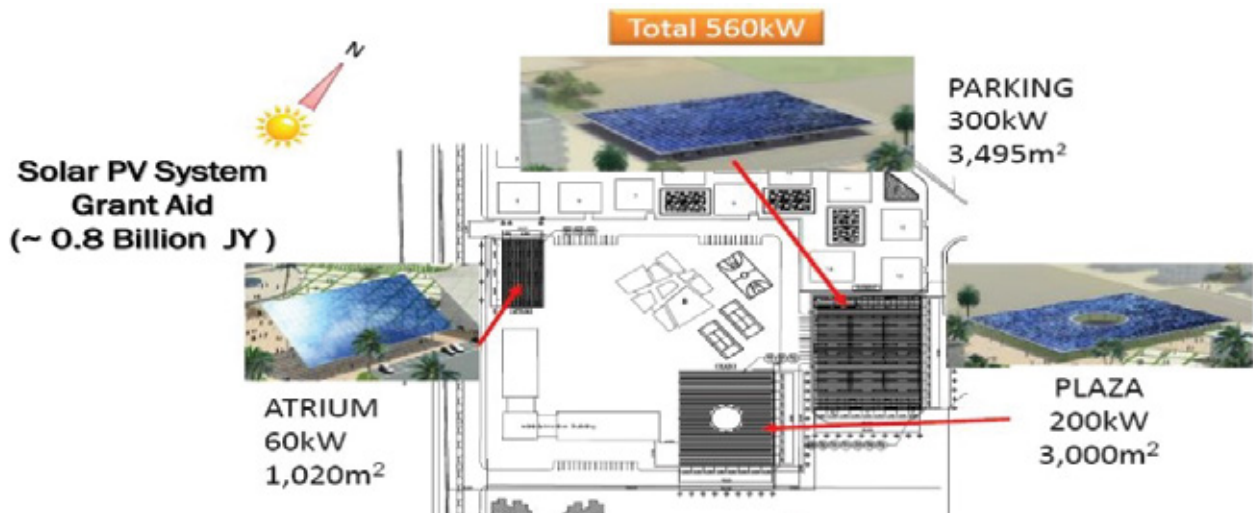
EJUST main campus

Different actions were taken in the university for clean energy use inside and reducing energy consumption within the university which include:

- **Power generation and Solar energy water heating**

- PV system energy generation**

E-JUST uses solar energy as a clean source for electricity generation. With the collaboration of Japanese partners, a 0.56 MW PV system has been installed in the secondary campus.



The secondary Campus installed PV system

Solar energy water heating

In the housing building, an evacuated tube solar collectors are used for solar water heating.



Solar water heating in housing buildings

• Clean energy transportation

The university policy is to reduce carbon reduction by using different methods such as possessing large spaces of green land, using electric cars, using bicycles, reducing the building space compared to the total space, using renewable energy resources such as PV, etc. E-JUST uses electric cars for internal transportation within the main campus and forbids moving engine cars within the campus and the movement and parking of the engine cars is through the underground university tunnels and parking.



EJUST electric cars



EJUST bicycles

- **Ventilation and air conditioning systems**

E-JUST uses natural ventilation techniques in the main campus to reduce the electric power consumption by the air conditioning system. Also, it uses the thermal absorption cooling system powered by natural gas for air conditioning the main campus instead of the electric refrigeration systems to reduce the electric power consumption within the university.



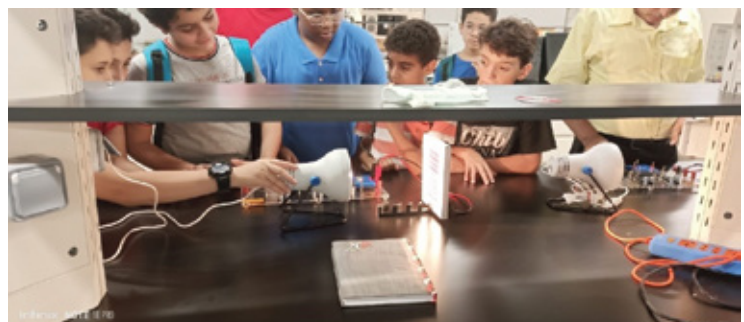
EJUST ventilation system

- **Education**

E-JUST offers undergraduate and postgraduate programs called Energy Resources Engineering in the Department of Energy Resources Engineering, which deal with all types of renewable energy including solar and wind as clean energy resources. These programs present different courses on energy saving and management, renewable energy, energy storage, etc. Moreover, they present different research and projects on energy audit and management, renewable energy, production of clean energy, etc. Moreover, the department includes different laboratories which concerned with clean energy use and energy saving and aim to orient the student studies to energy clean energy use and saving as renewable and sustainable energy laboratories and energy management laboratories.



Electric car for students' graduation project



Children in energy activities in the ERE Department

• Research

E-JUST students and researchers are conducting extensive research in many areas related to clean and alternative energy such as green cooling using solar-powered sorption systems, solar-driven multi-generation systems, photovoltaics, geothermal energy, and wind energy, and also areas of energy auditing and management and published many works in high ranked energy journals as applied energy, renewable energy, solar energy. Moreover, EJUST academics have gained many projects related to renewable and clean energy and energy saving as:

- Clean Energy Generation via High-Performance Hybrid Concentrator Photovoltaic/thermal Systems) (STDF).
- Green Integrated Solar Fuel Production System: Two Steps and Direct FT Synthesis Routs (ASRT)
- Applied energy storage and nano-technology on air conditioning and refrigeration systems and other different cooling and heating systems (STDF).
- A combined fuel and power (CFP) production system from Agri-food industry wastes: Design, Fabrication, and Testing (ASRT-APPLE)



• Funded projects

EJUST gains different projects from different national and international financial agencies as Europe, Newton Musharafa, STDF, JICA, ASRT, etc. in renewable energy use and clean energy production and energy saving as hydrogen production, photovoltaic energy generation, energy saving in Borg Alarab buildings, etc.

- **Research outcomes**

EJUST research outcomes concerning energy saving and clean energy use are published in highly impacted journals such as Energy Conversion and Management, Renewable Energy, Energy, Renewable & Sustainable Energy Reviews, and others. Some E-JUST scholars, at Energy Resources Engineering, working in the field of renewable energy have been listed among the top %2 of the world's most cited scientists, in 2022, according to Stanford University, USA.

- Prof. Mona Gamal Eldin has been awarded the first rank in the Medium Projects Rank in Alexandria.

Achieving Goal 7: Affordable and Clean Energy, Prof. Mona Gamal Eldin, professor of Environmental Engineering and Dean of the School of Energy Resources, Environmental, and Chemical and Petrochemical Engineering (EECE), and Head of E-JUST Sustainable Development Committee, Egypt - Japan University of Science and Technology (E-JUST), participated in the second national conference for the National Initiative for Smart Green Governorates (SGG), held on 2023-11-9 under the auspices of the HE President/ AbdelFattah Alsisi, Egypt President. The conference was launched by Dr. Mostafa Madbouly, the Egyptian Prime Minister, and attended by General/ Mohamed Elsherif, Alexandria Governor, many other governors, representatives of governmental authorities, and representatives of international developmental organizations.

This participation is under the auspices of Prof. Amr Adly, E-JUST president, Prof. Mona Gamal Eldin has been awarded the first rank in the Medium Projects' Rank for her submitted project "Green Desalination Plant for Sustainable Communities" in the National Initiative for Smart Green Governorates (SGG), the second version 2023.

The Prime Minister had a tour exploring the exhibition of the projects nominated by the governorates, where he listened to a detailed explanation from the owners of the projects presented within the partitions designated for the various Egyptian governorates, knowing the components of these projects, the targets of implementing these projects, their impact on the environment in general, and the surrounding environment in particular.

This comes from the belief of E-JUST in its role to serve the community, as it is always keen on effective participation and presenting applied topics for the society that seeks to achieve the sustainable development goals and Egypt's Vision for 2030.



Prof. Mona Gamal Eldin describes the project titled "Green Desalination Plant for Sustainable Communities" in front of HE/ Moustafa Madbouly, the Egyptian Prime Minister during the second national conference for the National Initiative for Smart Green Governorates (SGG), 9-11-2023.



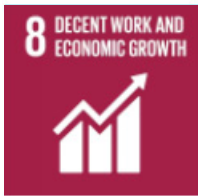
Prof. Mona Gamal Eldin, has been awarded the first rank in the Medium Projects' Rank for her submitted project "Green Desalination Plant for Sustainable Communities" in the National Initiative for Smart Green Governorates (SGG), the second version 2023. 5-10-2023.



E-JUST president visits the executed unit at E-JUST titled: "Green Desalination Plant for Sustainable Communities" Including The Solar Collector Unit – Refrigeration Lithium unit - Desalination-Main condenser & Desalination MED – Preheat Boiler heat recovery tank Return pipe – Power Turbine generator.

• Services

The University presents different services to the industry some of these are free and others are paid, such as consultations, energy saving plans, energy audit and management plans, installing renewable energy projects, etc.



Goal. 8 Decent Work and Economic Growth

• Aim

To achieve a productive and rich work environment for both genders through:

- Higher levels of productivity and technological innovation.
- Encouraging entrepreneurship and job creation.
- Developing a new performance appraisal system that guarantees fair evaluation metrics.
- Encouraging the staff members to improve themselves through continuous education.

Human Resources

1. Academic Staff Statistics

Number of Academic Staff (as of 30th September 2023)

Table 24 Academic Staff Statistics

Rank	Full-time	Part-time	Total
Professor	43	9	52
Associate professor	28	6	34
Assistant professor	29	26	55
Total	100	41	141

- Numbers do not include the university's president and 3 vice presidents.

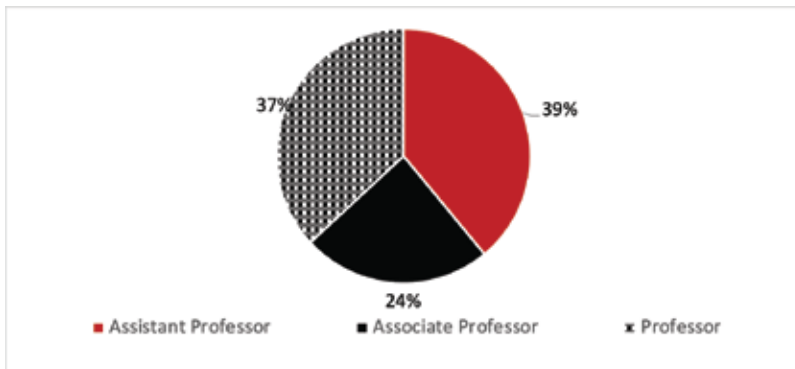


Figure 13: Ratio of Academic Staff in each Rank

Statistics of Full-time Academic Staff "Age & Gender "

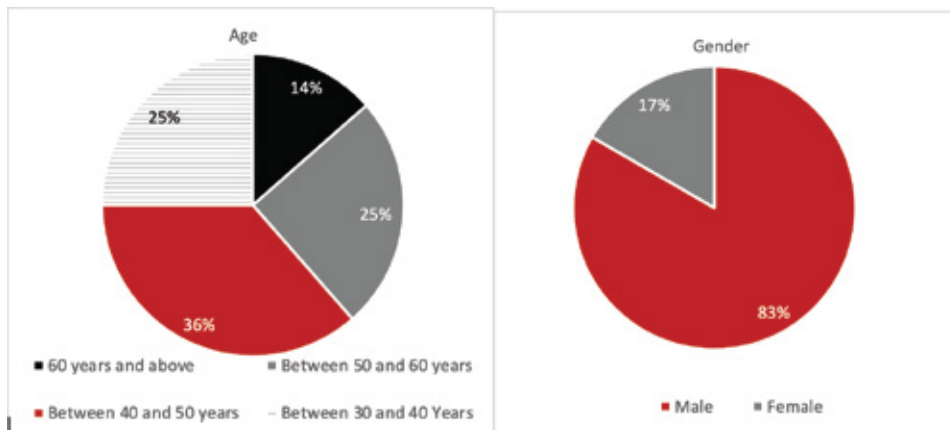


Figure 35: Statistics of Full-time Academic Staff "Age & Gender "

Numbers do not include the university's president and 3 vice presidents

Statistics of E-JUST Current Academic Staff per Department (as of 30th September 2023)

Academic Staff Turnover details

Table 25 Turnover details

Department	Title	Date	Reason
Chemical and Petrochemicals Engineering	Assistant professor	30-06-23	Resignation
Mechatronics and Robotics Engineering	Professor	31-07-23	End of contract/termination
Energy Resources Engineering	Professor	31-08-23	Resignation
Energy Resources Engineering	Associate professor	30-09-23	Resignation
School of Basic and Applied Sciences	Associate professor	30-09-23	Resignation

Current Number of Academic Staff Members (including President and VPs) = 100

Table 26 E-JUST Academic Capacity

School	Dept.	Full Time				Part time		Supporting Staff		Overall Total
		Professor	Associate Professor	Assistant Professor	Total	Academic	TAs	Language Instructors	Lab Specialists	
E-JUST Top Management (President and 3 VPs)		4	0	0	4	0	0	0	0	4
School of Electronics, Communication and Computer Engineering	ECE	4	2	1	7	1	7	0	3	25
	CSE	1	1	1	3	4	5	0	2	17
	EPE	2	2	0	4	0	2	0	2	12
School of Innovative Design Engineering	MTR	2	2	0	4	3	6	0	5	22
	IME	3	5	2	10	4	4	0	8	36
School of Energy, Environment, Chemical & Petrochemical Engineering	ERE	1	1	1	3	1	3	0	2	12
	CPE	2	1	0	3	0	2	0	2	10
	ENV	2	1	2	5	0	0	0	1	11
School of Basic and Applied Sciences - BAS		13	3	2	18	5	20	0	5	66
Faculty of International Business and Humanities		3	1	12	16	9	10	0	0	51
Liberal Arts and Culture Center		3	1	4	8	3	0	19	0	38
PharmD Program		2	3	0	5	7	12	0	3	32
Sustainable Architecture		0	2	0	2	1	3	0	0	8
Computer Science and Information Technology		1	2	3	6	1	13	0	1	27
Art and Design Programs		0	1	1	2	1	4	0	0	9
CINTECH		0	0	0	0	1	0	0	0	1
Total		39	28	29	100	41	91	19	34	381

Academic staff headcount over years

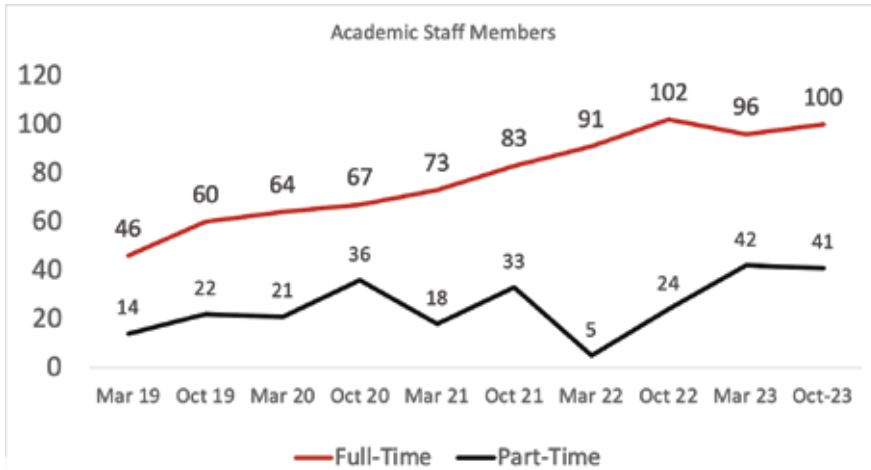


Figure 36: Academic staff headcount over the years

*The president's vices “Japanese” aren’t included in the above figure.

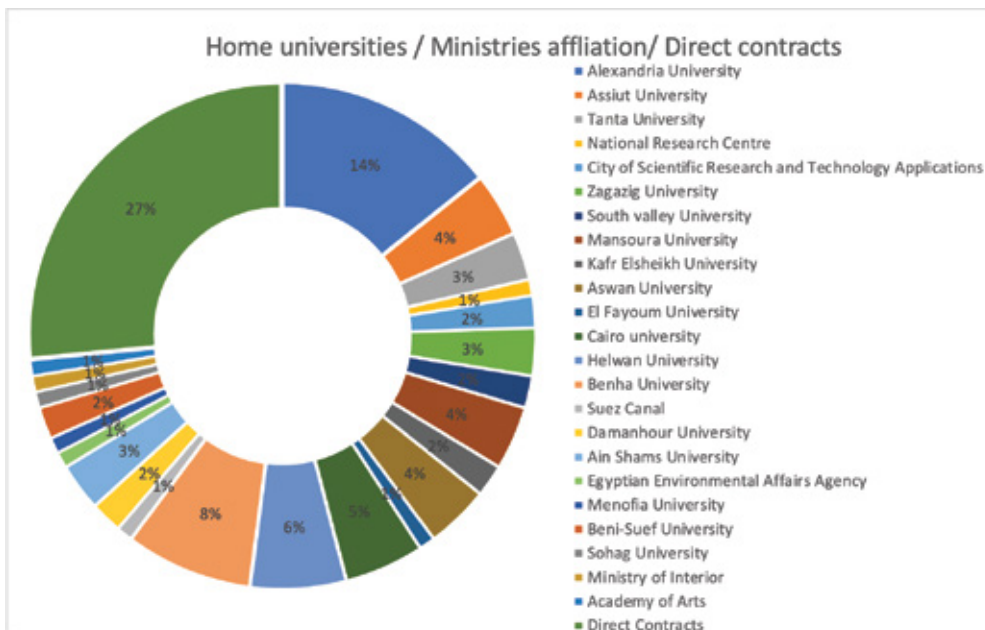


Figure 37: Academic Staff's Home universities / Ministries affiliation/ Direct contracts

The president's vices “Japanese” aren’t included in the above figure.

11.3 Administrative Staff Statistics

Administrative Staff Headcount over the Years



Figure 17 Administrative Staff Headcount over the Years

• Statistics of E-JUST Current Administrative Staff Categories (as of 30th September 2023)



Figure 18 Administrative Staff Categories and Total Number per Category

The above figure shows the total number of Administrative Staff till September 30, 2023, without E-JUST Guest House.

Statistics of Administrative Staff "Age & Gender"

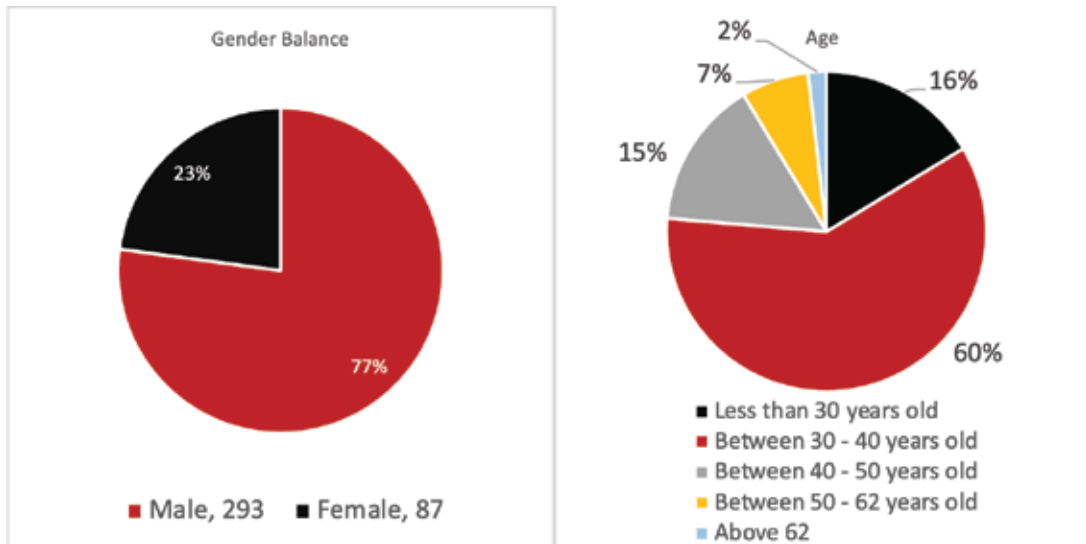


Figure 19: Statistics of Administrative Staff' Age and Gender



Goal. 9

Industry, Innovation and Infrastructure

• Aim

Promote inclusive and sustainable industrialization and foster innovation

• Actions

Filed patents:

- 13 patents were filed in 2023
- E-JUST got its first granted patent in January 2019 with issuing number 28928.
- E-JUST got its second granted patent in January 2021.

Grants (2023)

- The total number of grants in 2023 is 13 (6 Active, and 7 Accepted projects including / 4 outside and 9 inside).
- The Total budget of the 6 active projects is (3,435,660 EGP for the inside projects).
- The total budget of 7 accepted projects is (inside projects: 7,149,400 / outside projects: 4,263,200 EGP)
- Total number of the Millionaire Club members:1

Industry Relations (2023)

1- Consultations (1 January 2023 till 31 December 2023):

Date	Name of Company	Consultation	Research Team	Dpt.	Price	Status
January-December	Bio Business	Review of calculations used in the design of power quality monitor	Prof. Diaa-Eldin Mansour Dr. Tamer Megahed	EPE	30,000 EG	Concluded
12.02.2023	Pharco	Polymeric degradation	Dr. Ahmed Saad Khalil	PharmD	17.500 EGP	Concluded
20.02.2023	BMC	(Reduction of the energy consumption of the company's hydraulic pressings)	Prof. Hamdy AboAli	ERE	90.000 EGP	Contract Signed+ Ongoing
15.02.2023	EJUST, project titled CAPACITY BUILDING IN EGYPT FOR ENHANCING WATER AVAILABILITY, FOOD SECURITY AND	Website Development	Eng. Tarek Ali and his team	ITC	10.000 EGP	Concluded


		power quality monitor	Dr. Tamer Megahed			
12.02.2023	Pharco	Polymeric degradation	Dr. Ahmed Saad Khalil	PharmD	17.500 EGP	Concluded
20.02.2023	BMC	(Reduction of the energy consumption of the company's hydraulic pressings)	Prof. Hamdy AboAli	ERE	90.000 EGP	Contract Signed+ Ongoing
15.02.2023	EJUST, project titled CAPACITY BUILDING IN EGYPT FOR ENHANCING WATER AVAILABILITY, FOOD SECURITY AND	Website Development	Eng. Tarek Ali and his team	ITC	10.000 EGP	Concluded




Millionaire Club (MC) members 2023

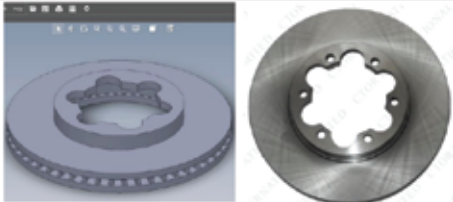
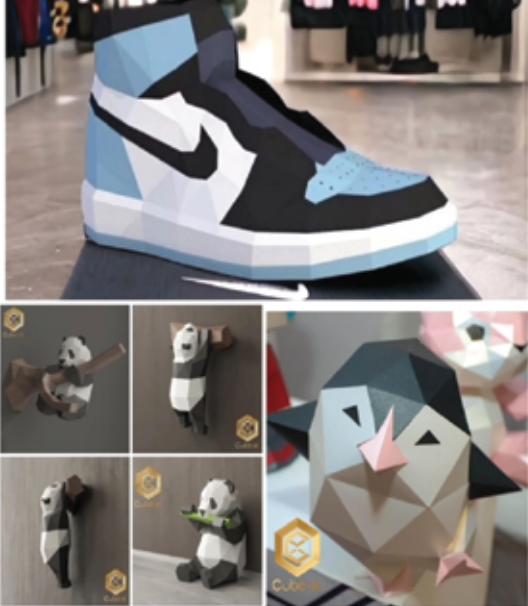


Project Title	Researcher Name
Utilization of ammonia for mobility decarbonization under the call 5	Dr. Ahmed Elwardany


List of incubated Start-Ups at E-JUST

Table 27 List of incubated Start-Ups at E-JUST

Company name	Idea Summary	Team	Picture
Trophy Company	Vehicles (E-Vehicles, scooters, go-carts)	Ali Ezz , an undergraduate student from outside E-JUST	

<p>MicroFluidics Ware</p>	<p>Conventional Microfluidics chips; these chips are used in many applications such as:</p> <ol style="list-style-type: none"> 1- Blood plasma separation 2- Semen sorting 3- Micro droplet formation 4- Cell culture 	<ul style="list-style-type: none"> • Prof. Ahmed M. R. Fath El Bab, • Dr. Eng. Abdelrahman Mohamed Rashad Fath ELbab, • Dr. Mohamed Osama Rashad Fath ELbab, • Dr. Hisham Osama Fath ELbab, 	
<p>Quantum Tech</p>	<p>Innovative A Lighting bulb with the advantage of being blue-light-free with the following benefits:</p> <ol style="list-style-type: none"> 1- healthy and comfortable Blue-light-free light (<u>EyeHealthy</u> antiblue technology) 2- The color temperature can be varied from 2700 to 5000K 3- Made in Egypt 4- New technology (patented) 5-very low price (~ 5 \$, whole price) 	<ul style="list-style-type: none"> • Dr. Mohsen Ghali, • Eng. Abdlaah Rizk, • Eng. Mohamed Sami • Chemist, Mr. Haytham Haed, • Eng. Tamer El-Adl 	
<p>Logic Gym Ltd.</p>	<p>Logic Gym Ltd. provides innovative educational tech-driven physical devices and games that develop the students' logical thinking and problem-solving skills in Egyptian private schools. It also provides consultation and training to improve the capacity building of the school's human resources</p>	<ul style="list-style-type: none"> • Dr. Haytham El-Sayed, • Mrs. Heba Mousa, • Dr. Hossam Mouarak, • Mr. Ibrahim Hassan, • Mr. Youssef Shawky, • Eng. Yahiya Adelhamid 	

<p>Yoko</p>	<p>New designs for disc brakes to cover the gap in the Egyptian market along with innovative brake pads designed according to the economic and environmental conditions needed by the Egyptian market</p>	<p>EJUST undergraduate engineering students: <u>Omar Essameldin</u>, <u>Karim Farhat</u>, <u>Omar Akram Elbatarny</u></p>	
<p>Cube-X</p>	<p>Provides 3D models of decorations and masks made from high-quality paper with low cost and the ability to customize.</p>	<ul style="list-style-type: none"> • <u>Amgad Hamdy</u> (Founder) • <u>Peter Poules</u>(Co-Founder) 	
<p>SMAIEC</p>	<p>Smart Monitor and Artificial Intelligence-based Electricity Controller that controls the use of electrical devices at home.</p>	<p><u>Prof. Amr Eltawil</u>, <u>Dr. Sara Atef</u></p>	
			

<p>M vision</p>	<p>Facial Detection and Recognition software where novel algorithms for simultaneously detecting, recognizing, and tracking individuals in camera images and videos are presented. This method can be used for a single and multi-camera system, where high accuracy and reduced computational and storage requirements are achieved. This system is essential for monitoring many Facilities, including personal homes, stores and public properties, companies, and universities, in addition to important sites including museums, antiquities, and archeological sites. In this surveillance system,</p>	<p>Dr. <u>Abdelwahab, Eng Islam Eldifrawi, Eng Islam Salah</u> <u>Moataz Eng</u></p>	
	<p>individuals including visitors, employers, etc. are detected, recognized, and tracked through all the installed cameras, where all this information is stored with time for retrieval. This prototype is based on years of research in facial recognition,</p>		

starting with a best student paper award in facial recognition of noisy images to results published in one US patent and more than 20 related publications (more than 70 publications in Computer Vision Area, three best paper awards in recognized Journals and Conferences, competing with top Institutes and Companies: OMORON, Microsoft Research Center in Asia, etc.).



E-JUST Industry Training Unit (ITU) Activities during January – December 2023

The ITU is part of Egypt-Japan University of Science and Technology (E-JUST). It offers scheduled training courses, and tailored training programs in the fields of Engineering, Business, and Translation.

- Target Agreement: Intro. To Accounting, Finance, and Budgeting.
- Production and Inventory Management (Elaraby contract).
- Startups and Innovation.
- Leadership Skills (Elaraby contract).
- Portable STEM Lab
- Soft Skills: Decision Making, Time Management, and Building Self Esteem.
- Training on Water Desalination and Wastewater Treatment (coordinated by Prof. Ahmed Saad Khalil
- Training on Water Desalination and Wastewater Treatment.
- Elaraby Board Meetings Executive Training Program.

The 4th International Conference of Chemical, Energy and Environmental Engineering - 4th ICCEEE 2023.

The school of Energy Resources Environmental and Chemical and Petrochemical Engineering (EECE) launched the 4th ICCEEE 2023 on July 17th and 18th, 2023 at E-JUST premises and also online, under the auspices of the Ministry of Higher Education and Scientific Research.

Since the success of the previous editions ICCEEE 2019, 2017, and 2021, which were held in cooperation between Egypt-Japan university of Science and technology (Egypt), Tokyo Institute of Technology (TiTech), and Kyushu University as Japanese universities supporting the School of Energy Resources, Environmental, Chemical and Petrochemical Engineering (EECE).

The Conference's 3 pillars covered very important issues in achieving the Sustainable Development Goals (SDGs) and Egypt's Vision 2030.

The conference agenda included 64 research papers (physical and online) from Egypt - South Sudan - Nigeria - Zimbabwe - and Ghana. In addition to the participation of keynote speakers from distinguished universities from Egypt - Japan - Canada - China and Tunisia. The opening session has been attended by Prof. Ashraf Elghandour, Alexandria university vice president for research - Prof. Heba Elkady, Dean of the Higher Institute of Public Health - General. Mahmoud Nafea, Chairman of Alexandria Sewage Company - Eng. Ahmed Gaber, Chairman of Alexandria Water Company.

Exhibition:

This year, the 4th ICCEEE 2023 exhibition included the participation of pioneer companies in the industrial and treatment fields such as Alexandria Sewage Company - Alexandria Water Company - AbuQir Fertilizers Company.

In addition to an exhibition for EECE students' scientific prototypes as follows:

- ERE department: "Dual fuel burner".
- ENV department: "Manufacturing of antimicrobial eco-friendly air filters integrated with the air conditioning units".
- CPE department: "Membrane water desalination system".

Sponsorship:

The chamber of commerce in Alexandria sponsored the conference with a budget of 63000 for dinner at Hilton King's Ranch, Alexandria.

Statistics:

About 160 attendees participated in the 4th ICCEEE 2023. In addition to 64 oral presentations have been presented as follows:

- 16 presentation for E-JUST students.
- 39 presentation for external authors.
- 4 keynote speakers.
- 5 invited speakers.





Goal. 10 Reduced Inequalities

• **Aim**

One of the main goals of E-JUST is reducing inequalities and ensuring that no one is left behind, which is an integrated aspect of achieving Sustainable Development Goals. Minimizing inequalities in income, access to services, and opportunities based on age, gender, religious or social background.

• **Actions**

TICAD8 African Scholarships for STI

With reference to the vast success of E-JUST TICAD7 African Scholarships for STI ((known as “TICAD7 Scholarships”) that was established on the occasion of the Seventh Tokyo International Conference on Africa’s Development (TICAD7), by which E-JUST successfully enrolled 128 international postgraduate students from 14 different African countries from 2020 until 2022, E-JUST TICAD 8 African Scholarships for STI (hereafter referred to as “TICAD8 Scholarships”) were launched during the Eighth Tokyo International Conference on Africa’s Development (TICAD8) in cooperation between the Egyptian and Japanese governments as a continuum for TICAD7 scholarships with the ultimate goal of developing high-quality human resources in the field of Science, Technology, and Innovation (STI) towards future African STI network and beyond.

Believing in the importance of creating high calibers and in response to the common request from African embassies in Egypt and E-JUST’s African network to provide Ph.D. scholarships as well as M.Sc. scholarships, the new scholarship program - TICAD8 scholarship was established with extended eligibility to Ph.D. students.

TICAD8 scholarship is offered for both M.Sc. and Ph.D. programs for the Faculty of Engineering and Basic and Applied Sciences Institute, with around 150 scholarship opportunities over three years, starting from 2023 to 2026.

TICAD8 Scholarship is a fully funded scholarship that covers Tuition fees, Flight Tickets, Accommodation, Medical Insurance, and Monthly Stipend.

Acceptance of New International Students for Fall 2023 Semester – TICAD8 Admission

The first batch of TICAD8 is solely dedicated to E-JUST international Alumni in a total of 15 PhD slots for fall 2023. The following table shows a summary of the admission for Fall 2023.

Table 28 TICAD8 Admission

Candidates Number	Applicants Number	Accepted Number	Withdrawn Number	Postponed till Spring 2024	Enrolled in Fall 2023
53	19	13	5	6	2

Current Situation of TICAD7 Students

The following table shows the current situation of 96 TICAD7 scholarship students. They have shown great devotion to their studies and have successfully published many academic journal papers, however, unfortunately, 5 students (number in brackets) left E-JUST because of their underachievement.

Table 29 Current Situation of TICAD7 Students

TICAD7 Scholarship	Admission	Number of students	Graduation (Scholarship end date)
First Batch	Fall 2020	1 (1)	Study Extension.
	Spring-2021	(1) 1 (Ph.D.)	September 30 th , 2023 (2024 for Ph.D.)
Second Batch	Fall-2021	22 (2)	April 30 th , 2024
	Spring-2022	29 1(Ph.D.)	September 30 th , 2024 (2025 for Ph.D.)
Third Batch	Fall-2022	35 (1)	April 30 th , 2025
	Spring-2023	7	September 30 th , 2025

Current Situation of International Students

The following tables show the number of international students in each department and the numbers of each nationality.

Table 30: Current Number of International PG Students and their Nationality Distribution

Current International PG Students		No.		Nationality	No.
Faculty of Engineering (FOE) Total		73	1	Nigeria	20
Electronics and Communications Engineering		14	2	Ghana	18
Computer Sciences and Engineering		4	3	Uganda	17
Mechatronics and Robotics Engineering		6	4	Kenya	12
Industrial Engineering and Systems Management		2	5	South Sudan	10
Materials Science and Engineering		12	6	Malawi	8
Energy Resources Engineering		8	7	Zimbabwe	5
Environmental Engineering		14	8	Tanzania	4
Chemicals and Petrochemicals Engineering		7	9	Rwanda	3
Electrical Power Engineering		6	10	Liberia	1
Basic and Applied Science Institute (BAS) Total		27	11	Zambia	1
Nanoscience		6	12	Cameroon	1
Biotechnology		7	13	Sierra Leone	1
Applied and Computational Mathematics		1		Grand Total	101
Energy Materials		6			
Space Environment		7			
Faculty of International Business and Humanities (FIBH) Total		1			
Management and Organizational Behavior		1			
Grand Total (FoE+BAS+FIBH)		101			

Current International PG Students /Scholarships	No.
TICAD7 Scholarship	96
TICAD8 Scholarship	4
Toyota Tsusho Scholarship	1

AUF South-South Mobility Program for Doctoral And Post-Doctoral Students Research On The Theme Of Gender Equality

The Agence Universitaire de la Francophonie (AUF) has been committed for several years to the promotion of Gender Equality in higher education and research. This advocacy has a prominent place in its four-year strategy 2025-2021, so the Agency proposes, to its network of member institutions, concrete actions for the promotion of gender equality in education and research. This program is the South-South doctoral and postdoctoral mobility program and is affiliated with an AUF member institution wishing to pursue its research in another developing country. AUF selected E-JUST to participate in this program as one of the host institutions. The AUF scholarship covers allowance for 2 to 3 months stay in the host lab, a round trip air ticket, and living expenses (no research fee covered). The following two researchers were accepted to join E-JUST as explained below:

- 1 Post Doctoral student from Benin, is enrolled and is studying in E-JUST from April 2023 till June 2023 under the supervision of Prof. Mona Gamal Eldin, EECE.
- 1 PhD student from Cameroon, is enrolled and is studying in E-JUST from August 2023 till November 2023 under the supervision of Dr. Dalia Kaies, FIBH.
- 1 PhD student from Morocco, is enrolled and is studying in E-JUST from September 2023 till November 2023 under the supervision of Dr. Hanan Amin, FIBH.

Therefore, in total three Researchers joined E-JUST under the AUF agreement until now.

Table 31 AUF Researchers Who Joined E-JUST

Nationality	Degree	Home University	From	To	School and Program at E-JUST
Benin	Post Doctoral	University of Parakou, Benin	1/4/2023	30/6/2023	School of Energy Resources, Environmental, Chemical and Petrochemical Engineering (EECE) - Environmental Engineering
Cameroon	Ph.D. Student	University of Ngaoundere, Cameroon	22/8/2023	20/11/2023	International Business and Humanities (Economics Major)
Morocco	Ph.D. Student	Ibn Tofail University in Morocco	1/9/2023	30/11/2023	International Business and Humanities (Economics Major)

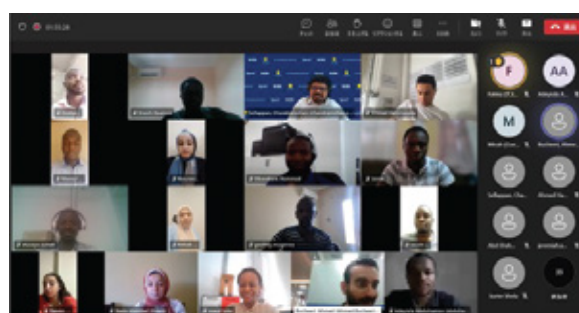
Yokogawa Online Training Course and Internship Opportunity in Bahrain

In light of the current active MoU between E-JUST and Yokogawa Electric Middle East and Africa, an intensive online training course from July 11 to July 2023, was given out to E-JUST Alumni, Senior UG and MSc Students from FOE and BAS (total 43 attendees) about practical technology and latest control systems in the process industry. In addition, Yokogawa Electric Middle East and Africa provided a 4-month physical internship opportunity in Bahrain (3 slots) to start from the end of October 2023.

After E-JUST shortlisted 10 alumni for the internship selection process and interview. Yokogawa Electric Middle East and Africa conducted the interview and awarded the following alumni the internship opportunity.

Table 32 E-JUST Students who received training at YOKOGAWA

Name	Nationality	Status	Major	Department/Program
<u>Adeyiola Abdulramon Olawale</u>	Nigeria	Master Graduate (2023Mar)	Basic and Applied Science	Applied and Computational Mathematics
<u>Timo Paul Ndoh</u>	Cameroon	Master Graduate (2023Apr)	Engineering	Electrical Power Engineering
<u>Arwa Youssry Elkasabi</u>	Egypt	UG Graduate (2022Mar)	Engineering	Mechatronics Engineering





Goal. 11

Sustainable cities and Communities

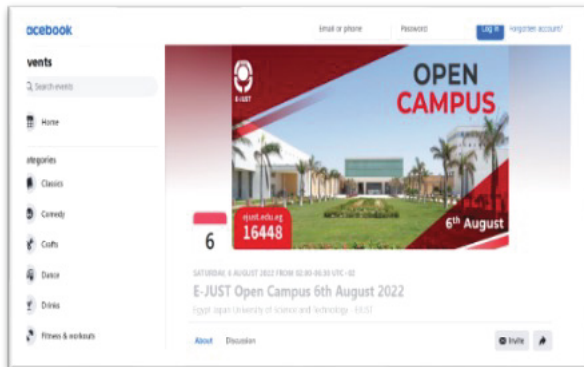
• Aim

Make Cities and Human Settlements inclusive, Safe, Resilient and Sustainable

This report aims to outline the progress made in the year 2023 toward achieving Sustainable Development Goal 11 (SDG 11): Sustainable Cities and Communities, specifically focusing on the development of the Egypt-Japan University of Science and Technology (EJUST).

• Actions

- *Public Access to the ancient Egyptian obelisk replica landscape on the secondary campus* With reference to the vast



E-JUST organizes “open Campus” days for the public to explore the campus facilities.

<https://www.facebook.com/events/egypt-japan-university-of-science-and-technology-ejust/e-just-open-campus-6th-august-2022/816988136351405/>

<https://www.youtube.com/watch?v=uRoYsFV-8JU&t=114s>

- *Public access to the green landscape on the main campus*

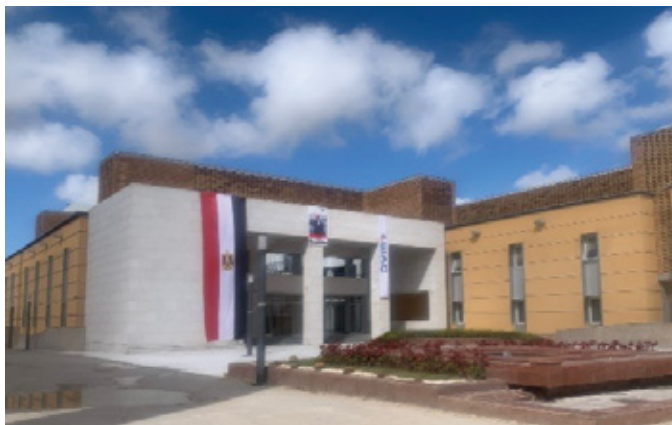
In 2023, EJUST focused on the development and maintenance of gardens by:

- 1-incorporating native plant species in the gardens to support local biodiversity and ecosystem services.
- 2-Implementing Water-efficient irrigation systems to minimize water wastage in the gardens.



EJUST Gardens

-Enhancing the expansion of buildings within the main campus.







- Projects to preserve culture

Egypt Japan University recognizes the significance of preserving and promoting cultural heritage as an integral part of its educational mission. In line with this commitment, the university has embarked on various projects aimed at safeguarding and celebrating the rich cultural traditions of both Egypt and Japan.



-The expenditures of the University on arts and heritage.

No.	Event	Image	Link
1	FIRST ARAB CONFERENCE ON INTELLECTUAL PROPERTY AND APPLICATIONS OF THE FOURTH INDUSTRIAL REVOLUTION "LESSONS LEARNED FROM JAPANESE AND ARAB EXPERIENCES"		https://lacc.ejust.edu.eg/facc
2	<u>E-JUST's First Book Fair</u>		https://lacc.ejust.edu.eg/bookfair
3	<u>Concert of the Arab Music Ensemble General Authority for Cultural Palaces</u>		https://lacc.ejust.edu.eg/conc
4	The Second Arab Conference on Sports and Law "Sports Contracts and Settlement of Their Disputes Locally and Internationally" 5 – 8 June 2022		https://lacc.ejust.edu.eg/sl

-EJUST set targets for more sustainable commuting (walking, cycling, electric cars) by dedicating bike lanes all over the campus and between secondary and main campuses and preparing guidance infographics for the campus



Connecting Campuses

eJUST Main Campus

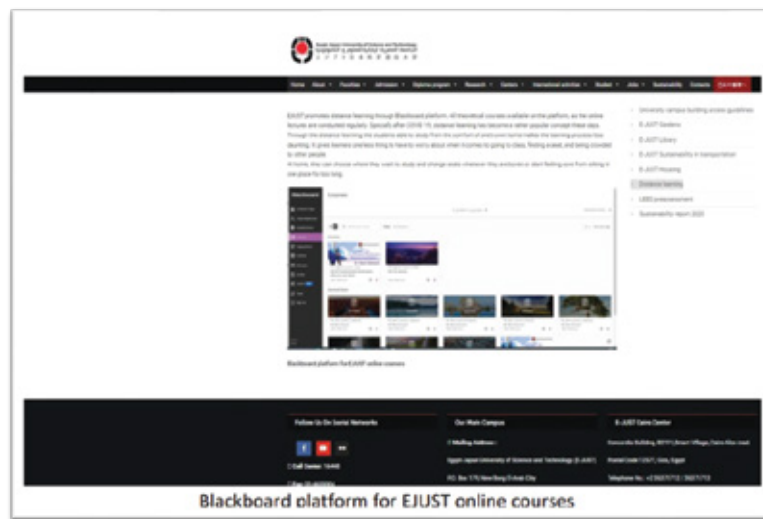
Implementing a sustainable travel plan in E-Just setting is a proactive approach to reduce the environmental impact of commuting and transportation within the campus community.

- Walking and cycling**
New and upgraded cycling parking spaces
- Public transport**
New and increased frequency bus routes serving campus
- Car Travel**
Reduction in people traveling to campus by car



Electric cars for more sustainable commuting

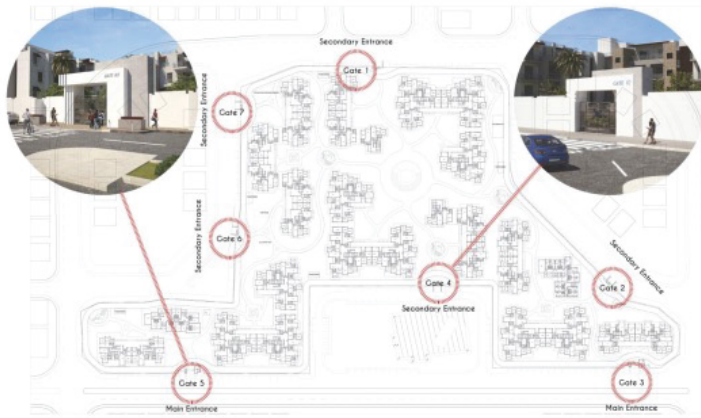
-Blackboard platform for EJUST online courses



Affordable housing for E-JUST EMPLOYEES as the university is going to establish a new housing compound in the main campus. the new housing will accommodate about 1700 employees and students. The new dorm was designed based on the sustainability vision (energy efficiency building, clean mobility, %75 green areas)



Site plan



- To improve the thermal comfort in outdoor spaces which reduces heat stress and supports public activities, shades were added to multiple spaces in the main campus

3D Perspective



- In the new phase of EJUST constructions (14 Buildings) a smart lighting system was added which could reduce the required energy for lighting by about 60%

Code	Installation type/technology	Range	Detection area	Degree protection	Examples of application
0401 0104		8m		IP41	Corridor, staircase, restrooms, underground car park, etc.
0401 0105		8m		IP20	
0417 0106		8m		IP25	Utility room, car park, collar, outdoor etc.
0704 03		8m		IP40	Corridor, staircase, restrooms, etc.
0401 0105		8m		IP42	Corridor, staircase, restrooms, utility room
0401 0106		8m		IP25	Utility room, car park, collar, outdoor



Types of lighting sensor

- The new design for upgrading the city streets to be sustainable, Prepared by EJUST





Goal.12 Responsible Consumption and Production

- **Aim**

Economic growth and development require the production of goods and services that improve the quality of life. In addition to encouraging organizations to adopt sustainable practices and to integrate sustainability information into their reporting cycle

- **Actions**

A workshop on surface planting

E-JUST Environmental Club organized a workshop on surface planting on Tuesday 28 November 2023 with the participation of 37 students at Egypt-Japan University of Science and Technology. The event aimed to instill a sense of environmental responsibility in the students and provide practical insights into sustainable gardening practices. In addition to training participants how to creatively decorate plants' containers showcasing the potential of recycling materials for a sustainable life.

The workshop included many activities such as:

1-Sharing sustainable Gardening: practices, emphasizing the importance of eco-conscious choices in everyday life.

2-Planting Session: Participants actively planted, fostering a connection with nature and the joy of activity.

3-Creative Container Decoration: A highlight of the day, the container decoration session allowed participants to transform recycled materials, particularly plastic bottles, into unique and artistic plant containers.

The workshop received overwhelmingly positive feedback from participants.



Workshops on environmental issues:

Participation in the Environment Day activities held at Planetarium Science Center, Bibliotheca Alexandria on 2023-11-5, Dr. Mahmoud Sharaan, assistant professor of Environmental Engineering, EECE School, presented multiple workshops to visiting students from various Egyptian governmental schools in Alexandria Governorate. The workshops discussed the environmental issues, especially those related to climate change impacts on the coastal area of Alexandria, development efforts, national development plans, and sustainable efforts for an ecological zone.



A workshop on surface planting

SDG12 “Responsible Consumption and Production” Publications at EJUST

Table 33 Responsible Consumption and Production” Publications at EJUST

No	Publication by EJUST members	Relation to SDG12
1	Dual phytoremediation and biochar production by <i>Eichhornia crassipes</i> in the hydroponic system receiving different 1,4-dioxane dosages https://doi.org/10.1080/15226514.2023.2253915	Recycling the exhausted <i>E. crassipes</i> for biochar production was a cost-efficient strategy, making the payback period of the phytoremediation project equal to 6.96 yr.
2	Dual biogas and biochar production from rice straw biomass: a techno-economic and sustainable development approach https://doi.org/10.1007/s13399-021-01879-y	Recycling of rice straw for biogas and biochar production with a net profit of 127.9 US\$/t
3	Utilizing orange peel waste biomass in textile wastewater treatment and its recyclability for dual biogas and biochar production: a techno-economic sustainable approach https://doi.org/10.1007/s13399-023-04111-1	Recycling of orange peel waste for biogas and biochar production with a payback period of 7.5 years

SDG12 “Responsible Consumption and Production” Courses at EJUST

Table 34 Responsible Consumption and Production” Courses at EJUST

No	Course name	Course code	SDG 12 relevance
1	Fundamentals of Environmental Engineering	ENV 312	Materials and Energy conservation
2	Municipal solid waste	ENV 316	Municipal solid waste recycling, and energy recovery
3	Urban Development and Environmental Planning	ENV 323	Infrastructure planning, waste and recycling,
4	Sustainable design and technologies in buildings	ENV 412	Energy saving strategies and building environmental design
5	Clean Production Technologies	ENV 421	Student tries to identify options to minimize waste and emissions out of industrial processes through source reduction strategies



Goal.13

Climate Action

• Aim

No country has managed to evade the adverse effects of climate change without experiencing its detrimental consequences. Greenhouse gas emissions are increasing dramatically through the 30 years ago. Global warming is causing long-lasting changes to our climate system, which threatens irreversible consequences if we do not act decisively. So, the university aims to reduce greenhouse gas emissions by using clean energy resources or avoid using harmful gas emissions technologies.

• Actions

Climate change is moving faster than we are. Therefore, E-JUST has recognized the urgent need for a sustainable development plan to combat the challenges inherent in global climatic changes. The plan is mainly concerned with four milestones: Operation, Research, Education, and Consultancy.

• Operation

EJUST with the cooperation of the Ministry of Environment has installed environmental pollutants measuring plant. Moreover, EJUST has applied many operations to decrease the impact of greenhouse gas emissions global warming, and carbon emissions. For example, EJUST uses electric cars to avoid engine cars within the campus. Moreover, the university encourages using bicycles by installing special roads for the bicycles within the main campus and lending students to buy their bicycles. Also, the Introduction of clean energy by using solar electricity generation system Grant agreement which was signed on February 11th, 2010. The solar electricity system generates 560 KW of solar energy. JICA extends a grant of 970 million Japanese Yen to the Egyptian Government to establish a solar electricity generation system at the university. E-Just has a great landscape and green spaces on its main campus, the green spaces will cover more than %50 of the main campus, now covering about 27 acres. These areas are very important places to relax and also for the surrounding environment- The northern gardens are open for the public every day of the year till 5:00 PM



EJUST Planet for emissions measurements



The green areas in E-JUST



Roads for bicycles



Electric cars



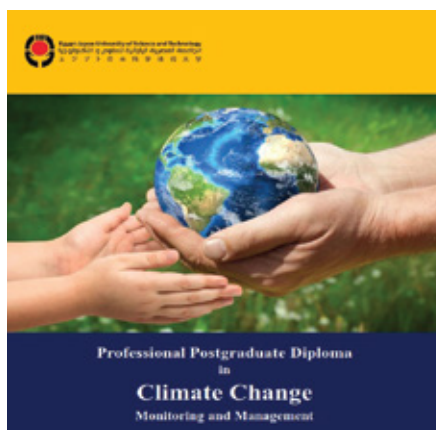
Bicycles in E-JUST

- **Education**

E-JUST offers different programs including environmental education such as the environmental department for postgraduate and undergraduate study. Also, EJUST presents a professional diploma in climate change.

- **Research**

E-JUST is committed to research as an integral part of its mission. Many research tracks have been investigated, such as solar systems, climate observation, meteorology, ground, and space-born instrumentation. It places great emphasis on teaching students problem-solving and critical thinking techniques by adopting a project-based approach through its collaboration with governmental entities and NGOs to equip students with essential skills for their later research careers. Recently, E-JUST established the Space Environment Research Lab (SERL). It is one of E-JUST's distinguished laboratories, being at the top level of research in this field among prestigious universities as it includes diurnal monitoring of satellites and ground station data



- **Consultancy**

The university cooperates locally and regionally to inform and detect the disasters of climate change as with the minister of environment. The university has a joint agreement with the Egyptian Meteorological Authority including the collaboration in educational and research topics related to Climate Change. The Egyptian Meteorological Authority (EMA) is a governmental authority responsible for meteorological and climate change monitoring. The university has a joint agreement with EMA including the collaboration in educational and research topics related to Climate Change. E-JUST University, as an educational entity, collaborates with NGOs on climate adaptation. The university has collaborated with the International Development, Environment and Culture Association, IDECA, Alexandria Business Association ABA, and Inner Wheel Alexandria East on climate adaptation.

A workshop titled: “Climate Change and Ecological Footprint”

Prof. Mona Gamal El-Din Ibrahim – EECE Dean, held a workshop titled: “Climate Change and Ecological Footprint” to give the children awareness, in a simple way, on how to calculate the carbon footprint which is the person’s contribution to CO2 emissions that affects the environment.

The workshop was held on Sunday 2023-1-29 within the children's university activities held in E-JUST and included various activities for children about the ways to reduce the carbon footprint by controlling the consumption of energy, water, and food.

More than 50 children participated in the workshop. They were divided into 7 working groups. The participating children calculated an individual's carbon footprint through their daily activities. They also offered recommendations and activities that they will work on, as well as transferring these experiences to their families and friends and disseminating them in the surrounding community. The children expressed their great happiness to participate in the workshop and also for the information they acquired.



A workshop titled: “Be a Hero Combating Climate Change”

Believing in the importance of Environmental awareness and continuing E-JUST workshops to raise the awareness of Egyptian Japanese Schools’ children about climate change topics and the ecological footprint, Prof. Mona Gamal El-Din Ibrahim – EECE Dean, held a workshop titled: “Be a Hero Combating Climate Change” to give children awareness, in a simple way, on how to calculate the carbon footprint which is the person’s contribution in CO2 emissions that affects the environment.

The workshop was held on Monday 2023-5-29 and included various activities for children about the ways to reduce the carbon footprint by controlling the consumption of energy, water, and food.

More than 32 children participated in the workshop. They were divided into 3 working groups. The participating children calculated an individual's carbon footprint through their daily activities. They also offered recommendations and activities that they will work on, as well as transferring these experiences to their families and friends and disseminating them in the surrounding community. The children expressed their great happiness in participating in the workshop and also for the information they acquired.





Goal.16

Peace and Justice and Strong Institutions

- **Aim**

Implementation of a successful Peace and Justice and Strong Institutions requires Egypt-Japan University of Science and Technology to participate strongly in related topics, and advancements, contribute and build strong interaction with national, and International Institutions.

- **Actions**

 - *PEACE*

COIL Joint Sessions – Sophia University

On December 6th, 2023; LACC's Students presented the 2nd session of the 2nd round of the COIL online joint sessions between E-JUST and Sophia University students.

EJUST students presented 2 topics:

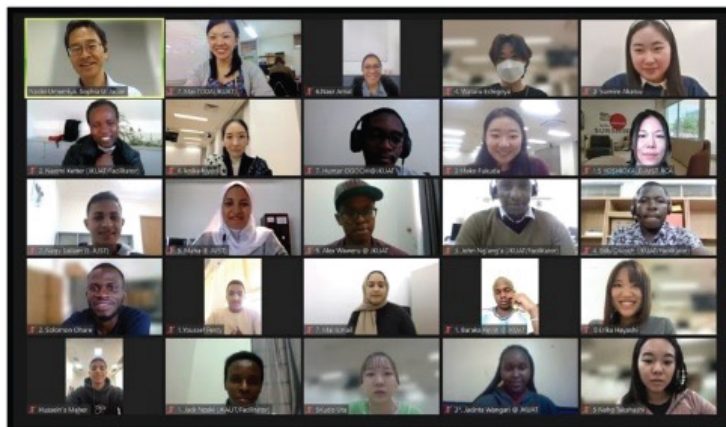
- 1- The boycott of international products and its impact on national products.
- 2- The Role of trademarks in protecting traditional handicrafts.



Source: <https://lacc.ejust.edu.eg/jica-cooperation>

E-JUST-JKUAT-Sophia Exchange session

During the 1st week of December 2023, In cooperation with JICA and under the supervision of Dr. Amal Refaat, 100 students from E-JUST and Sophia University held a series of online sessions. They discussed student life within the university to enhance cultural exchange and understanding among them and strengthen relationships among the participants.



Source: <https://lacc.ejust.edu.eg/jica-cooperation>

◦ JUSTICE

The 22nd Arab Conference: Modern Methods of Hospital Management

Prof. Adel AlSenn represented EJUST at the 22nd Arab Conference for Modern Methods of Hospital Management titled: “Health insurance and universal health coverage”

-Opportunities and challenges- Held by ARADO during the period from 18th to 19th December 2023. Prof. Adel AlSenn Chaired a session titled: Financial Sustainability for Health System.



Source : <https://lacc.ejust.edu.eg/director-activities>

The Second Arab Conference on Intellectual Property was held Successfully with Global and Arab Expertise.

Hosted by the Arab Administrative Development Organization (ARADO) in collaboration with E-JUST, the Second Arab Conference on Intellectual Property was successfully held in Cairo on October 23rd and 24th, 2023. Themed "Combating Piracy and Commercial Fraud in Light of the Fourth Industrial Revolution: International and Arab Experiences," the conference brought together over 100 participants and experts from 12 Arab countries. Under the patronage of the Minister of Higher Education, the event explored various aspects of intellectual property crimes, with notable attendees including H.E OKA Hiroshi, Japan's Ambassador to Egypt, and General Dr. Abdul Kodos Al Ebedeily, President of the Emirates Intellectual Property Association.



E-JUST ranked No.1 in Patent Filing Indicators.

On February 2023, E-JUST has been ranked No.1 in patent filing indicators among all Private and Nonprofit Universities, this prestigious achievement was announced by the Academy of Scientific Research during the final session of the 7th Cairo International Exhibition of Innovation. E-JUST credits this accomplishment to the continuous support of its Board of Trustees, esteemed Japanese universities and scientists, top-notch faculty members, experienced administrators, patent support team, and outstanding labs and Centers of Excellence, which were primarily funded by JICA. E-JUST is committed to continuing its policy of supporting and recognizing IPR regulations and outcomes, to use these outcomes to serve national objectives.



◦ **STRONG INSTITUTIONS**

E-JUST Media Conference:

Prof. Amr Adly, E-JUST President, held a media conference at the university's new headquarters in the new city of Borg ElArab in Alexandria, to announce the university's preparations for the new academic year and the conditions for accepting high school students and corresponding certificates for it at the university's schools.

The event included presenting the study programs and scholarships granted by the university to prominent students in sports and science, in the presence of Prof. Sameh Nada, Vice President for Education and Academic Affairs, the deans of the schools, and a group of journalists and various media representatives.

During his speech, Prof. Amr Adly explained the nature of Egypt-Japan University, its establishment in partnership with the Egyptian and Japanese governments, and its philosophy of education, explaining that it was established with a different idea of transferring technology and modern education systems by investing Japanese expertise in Egypt, Africa, and the Middle East, and in order to become a center of excellence in science and technology in the entire region.

He added that the first credit for establishing Egypt-Japan University goes to Minister Ambassador Fayza Abul-Naga at the time when she was Minister of International Cooperation, explaining that the university began in 2010 as a research university only to offer master's and doctoral graduate programs in partnership between the Egyptian and Japanese governments, where the administration is divided between the Egyptian side, and the Japanese side.

He explained that one of the most important features of the Japanese model adopted by the University is qualifying graduates to obtain job opportunities locally and internationally, pointing out that Egypt-Japan University is a governmental university that was established with a different idea of transferring technology and modern education systems by investing Japanese expertise in Egypt, Africa, and the Middle East, explaining that the university pays great attention to support industry and implement the goals of Egypt's Vision 2030

The University president pointed out Japan's commitment to supporting 150 new scholarships for African students to study master's and doctorate degrees at the Egypt-Japan University within the TICAD 8 scholarship program, adding that more than 10,000 African students have applied for a number 150 scholarships for postgraduate studies last year, stressing that the Japanese government has renewed this year the University's grants of 150 scholarships to African students.

The University president stated that supporting industry is a top priority at the University, as scientific research capabilities are directed to support it, explaining that the University has 4 centers to support industry, the "CINTECH" consulting center, a center for making measurements in advanced laboratories for industry, a training unit for industry, and a technological incubator, pointing out that among the most important specializations that support the Egyptian economy are service industries based on information technology.

Prof. Sameh Nada, Vice President of the University for Academic Affairs and Education, reviewed the most important programs offered by the University's schools and the advantages of each of them and reviewed the scholarship programs offered by the university in all the university's schools.

Regarding Postgraduate studies, he explained that the number of those who obtained master's and doctoral degrees over 10 years is 470, explaining that the University has an agreement with the General Administration of Scholarships. The Vice President of the University also reviewed the conditions for admission to the University in the new academic year, pointing to the use of Japanese educational systems and academic concepts that are based on laboratory methods in learning, and learning based on the completion of research projects. The University aims to provide modern academic programs and establish centers of excellence for basic and applied research to serve the local and regional community by building partnerships with major Japanese academic and research institutions, as well as serving the industry by conducting applied research and learning about advanced Japanese technologies. The University has a partnership with 15 major Japanese universities.

During the conference, the deans of schools also reviewed the advantages of the engineering programs at the University including electronics engineering programs, communications engineering, computer engineering, motor power engineering, industrial and manufacturing engineering, mechanical engineering, material science engineering, chemical engineering, and petrochemical engineering, energy resource engineering, environmental engineering, Biomedical medical and informational engineering. In addition, the School of International Business and Humanities at the University offers accounting, information, and human resource management programs.

The School of Computer and Information Technology also offers 4 programs: Computer Science and Artificial Intelligence, Information Technology, Computer and Cyber Security and Biological Informatics.



E-JUST Wins 2023 Best Entrepreneurship Center Global Impact Award.

The International Council for Small Business (ICSB) has recently announced the winner of the 2023 Best Entrepreneurship Center Global Impact Award. Among the finalists was E-JUST, an Egyptian university with a remarkable incubator and various activities supporting innovation and entrepreneurship for faculty members, students, and the community.

Building Bridges: Distinguished Visit of Her Excellency Ambassador Haifa Abu Ghazaleh, Strengthening Cultural and Educational Ties of E-JUST with the Arab World.

In a significant step towards strengthening cultural and educational collaboration, HE Ambassador Haifa Abu Ghazaleh and a distinguished delegation visited the Egypt-Japan University of Science and Technology on 2023-8-17. Prof. Amr Adly, the university's President, warmly welcomed them, highlighting the institution's robust joint Egyptian Japanese administrative and governance structure as well as the outstanding E-JUST scientific and academic achievements. During the visit, HE Ambassador Abu Ghazaleh and the delegation expressed deep appreciation for the university's cutting-edge technology, state-of-the-art facilities, and the nurturing academic environment provided to students.





Goal.17

Partnerships for the Goals

• Aim

Strengthening means of implementation of a successful sustainable development agenda requires Egypt-Japan University of Science and Technology to participate strongly in related scientific advancements, contribute to research and technology, and build strong interaction with regional, national, and International Institutions.

• Actions

- *PEACE*

E-JUST's 2023 Summer Program: A Tale of Cross-Cultural Harmony.

In the spirit of cross-cultural collaboration, Egypt-Japan University of Science and Technology (E-JUST) orchestrated a captivating Summer Program, weaving together the intellectual fabric of several esteemed institutions. Embracing 15 students from Hiroshima University, the initiative sought to nurture both educational and cultural bonds. Expanding its reach, E-JUST graciously welcomed a diverse delegation of 26 students from distinguished Japanese universities, including Osaka University, Ritsumeikan University, Sophia University, Tsukuba University, Tokyo Metropolitan University, Tokyo University of Foreign Studies, and Kyushu University. The Summer Program unfolded as a vibrant mosaic, blending Arabic language studies, exploration of Egyptian culture, and visits to iconic landmarks in Alexandria and Cairo.



Prof. Mona Gamal Eldin gave a session on “E-JUST Role Towards Achieving UN SDGs and African Vision 2063” within the Summer Program with Hiroshima University held at E-JUST. 2023-9- 5. The students also visited the Waste Treatment and Management lab “G19”, B9 to know all about the research outcomes of one of the research projects, funded by STIFA, that achieves SDGs. In addition, they visited the Waste Treatment and Management Lab, a research building to explore the research outcomes of some of the M.Sc. and Ph.D. students that achieve SDGs.



A Collaboration Agreement was Signed Between "Tokyo Metropolitan University" and Egypt-Japan University.

E-JUST strengthened international ties with Tokyo Metropolitan University through a new cooperation protocol. Prof. Amr Adly, President of E-JUST, warmly welcomed Prof. Masao Ayabe, Executive Director of the International Center, and Prof. Hirotake Maeda, along with Ms. Satomi Suzuki, for the signing of a collaboration agreement between the two universities. We are excited to continue fostering partnerships with leading institutions across the globe to advance education and research.



The Korea Advanced Institute of Science and Technology (KAIST) visited E-JUST.

The Korea Advanced Institute of Science and Technology (KAIST) visited (E-JUST). KAIST is the first and highest university of science and technology in Korea and acts as the gateway to advanced science and technology and innovation, aside from Korea being ranked as one of the most innovative countries.

Prof. Sameh Nada, Vice President for Educational and Academic Affairs at the E-JUST, welcomed the delegation at the university to discuss the Egyptian Japanese vision in education during the recent period and to exchange Japanese and Korean experiences related to innovative educational methods in 2023.



Ambassador András Kovács, Ambassador of Hungary in Egypt Visits E-JUST.

Prof. Amr Adly, President of Egypt-Japan University of Science and Technology (E-JUST) welcomed Ambassador András Kovács, Ambassador of Hungary in Egypt on 2023-12-3. The visit began with a full presentation of the University, including how agreements were reached between the Japanese and Egyptian governments regarding the design of the University's buildings and the efforts made to create an environmentally friendly atmosphere. Ambassador Kovács praised the shared educational system at E-JUST and proposed educational opportunities and scholarships as areas for collaboration between Egypt and Hungary. He toured the University's labs, library, Center of Excellence for Research, and Activity Hub during his visit.



Yokogawa Denki Memorandum of Understanding

On May 2023, During her Visit to Japan, Ms. Noha Afifi, the Director of the Center for Technological Innovation and Industrial Development at the Egypt Japan University for Science and Technology (E-JUST), signed an agreement on behalf of the university to provide opportunities for training students from the School of Engineering at the Egypt Japan University at factories owned by the Japanese company Yokogawa Denki. This was done in the presence of Dr. Takashi Okano, the Chief Representative of JICA at the Egypt-Japan University project.



“The Role of Universities in Achieving the Goals of Sustainable Development” Conference held by Arab Administrative Development Organization ARADO- League of Arab States on Sept. 10th, 2023, with 150 participants from 12 Arab countries.

Prof, Adel AlSenn and Prof. Amr Adly participated as speakers at the conference. Prof. Amr Adly gave a presentation on “The role of E-JUST on enhancing the goals of sustainable development” and I presented a talk entitled “Strategies for Excellence in University Performance and Achieving Sustainable Development Goals” and the Role of LACC in Developing the student’s personality.

The 1st E-JUST Japanese Culture Day (E-JUST MATSURI) was organized by the LACC.

EJUST LACC organized the 1st EJUST Japanese Culture Day (E-JUST MATSURI) on October 16th, 2023 aiming at the following:

- Creating opportunities for E-JUST students to experience and understand the Japanese culture and festivals.
- Spreading the Japanese culture vibes to the outside visitors.
- Presenting diverse cross-cultural activities and workshops for maximum exposure to the culture and language as well.

The event included many activities such as a Tea ceremony -Flower arrangement – Origami - Traditional games (kendama, koma, Bidama) - kimono corner - Shodo (Japanese Handwriting) - and Japanese food Competitions.



The LACC welcomed Prof. Aicha Sekhari - a Professor from Lyon2 University, which has an MOU with E-JUST in the framework of the Innovation and Digitalization Project (AUF project)

The purpose of the visit was: to share her academic experience in soft skills teaching, along with the methodology of Lyon's University professional module, with the students to enhance their entrepreneurial skills, and discuss the Zemi Style in Liberal Arts Education.



- A workshop titled "Enhancing Liberal Arts Education in E-JUST ": An Implied Concept and Possible Future Expansion"

The LACC in Cooperation with the JICA Office is gladly welcoming Dr.Terano Mayumi to hold a workshop titled: Enhancing Liberal Arts Education in E-JUST: "Implied Concept and Possible Future Expansion"

The workshop was held on Tuesday, November 21st and Wednesday, November 22nd, 2023 in the Meeting Room No. 1 - Ground Floor - Administrative Building.

The Workshop Objectives are:

- Knowing the history, theory, practice, and current trend of Liberal Arts Education in the world.
- Understanding the original concept of E-JUST Liberal Arts Education through knowing its development process and social context.
- Discussing the possible expansion of E-JUST Liberal Arts Education in the current social and E-JUST context.

About Dr.TERANO Mayumi

JICA Expert for Ministry of Higher Education

Professor (part-time), College of International Management, Ritsumeikan Asia Pacific University

Visiting Researcher, Graduate School of Asia Pacific Studies, Waseda University

Former JICA E-JUST Project Academic Advisor in charge of Liberal Arts Education

Former Associate Professor of Akita International University



- **Alexandria Business Association Visit**

On Wednesday, April 5th, 2023, Prof. Amr Adly, E-JUST president, received the visit of Eng. Mohamed Hano, the chairman of Alexandria Businessmen Association (ABA) to E-JUST. The visit is organized by Prof. Mona Gamal Eldin. 2023-4-5 and attended by :

- Prof. Suzuki Masaaki, First Vice President of Regional & International Affairs
- Prof. Sameh Nada, Vice President of Education & Academic Affairs
- Prof. Toshio Fukuda, Vice President of Research
- Prof. Amr Eltawil, Dean of School of Innovative Design Engineering (IDE)
- Prof. Adel Bedair, Dean of School of Electronics, Communication, and Computer Engineering (ECCE)
- Prof. Mohamed Mokhtar, Dean of School of Basic and Applied Sciences (BAS)
- Prof. Adel Alsenn, Director of the Liberal Arts and Culture Center (LACC)
- Prof. Ahmed Yehia Ebeid, Dean of the Faculty of International Business and Humanities (FIBH)
- Dr. Moataz Abdelwahab, Deputy Vice President Regional and International Affairs
- Dr. Mohamed Farid, Director of Industry Training Unit, Assistant Professor, Faculty of



- A session titled “E-JUST: EECE’s Role Towards Climate Adaptation”

On February 21st, 2023, Prof. Mona Gamal Eldin gave a session titled “E-JUST: EECE’s Role Towards Climate Adaptation” in the online webinar titled “Future investments in Climate Adaptation Projects in Egypt and Africa” organized by the Egyptian African Businessmen Association with the Presence and Patronage of the Honourable H.E. Dr. Yasmine Fouad, the Egyptian Minister of Environment

Environmental and climate changes are no longer just a popular trend or a subject to discuss. They have become a crucial issue of our time. The global effects of environmental change are widespread and unprecedented

- How can we adapt environmental changes in the field of business to achieve sustainable economic growth?
- How can we benefit from renewable and alternative energy sources in Egypt and Africa?
- How can we maximize the use of energy, natural resources, and green spaces in the fields of business?

Many other topics are discussed in an online webinar with a group of specialists.



- The orientation session introducing the Youth for Development Initiative (YDI)

In the frame of E-JUST participation in the Youth for Development Initiative (YDI) for the academic year 2023/2022, which was launched by the Ministry of Planning and Economic Development, Under the auspices of Prof. Amr Adly, E-JUST president, Prof. Mona Gamal Eldin, as E-JUST YDI coordinator, organized the orientation session introducing the YDI to E-JUST community. The session was held at E-JUST on February 6th, 2023. With the presence of Dr. Mohamed Alaa, the YDI coordinator, Deputy Director of the International Cooperation Office, and the official of the Human Rights Unit at the Ministry of Planning and Economic Development.



- In the frame of E-JUST participation in the Youth for Development Initiative (YDI) for the academic year 2023/2022, which was la "Towards Sustainable Future Initiative "

Under the auspices of Prof. Amr Adly, E-JUST President, and the supervision of Prof. Mona Gamal Eldin Ibrahim, EECE Dean, the School of Energy Resources, Environmental, Chemical and Petrochemical Engineering (EECE), launched the competition titled "Towards Sustainable Future" for the Third year aiming at enhancing innovation at EECE Undergraduate students in the field of sustainability through research to save the Environment and the natural resources. The competition comes within the framework of cooperation between Egypt-Japan University of Science and Technology (E-JUST) and Birla Carbon Egypt Company. The participating students present their graduation projects, which are related to the field of sustainability; their projects are evaluated by a committee that includes professors from E-JUST, Alexandria University, and Pharos University. The evaluation criteria include the following elements: Environmental impacts and ecosystems - Impact on society - Possibility of implementing the project - Project economics.

11 Undergraduate students from the Energy Resources Engineering Department and Chemical and Petrochemical Engineering Department participated in the competition presenting 7 research articles covering sustainable development issues.

Prizes are offered by Birla Carbon Company as follows:

The First Prize: 17000 LE.

The Second Prize: 12000 LE.

The Third Prize: 7000 LE.

The final ceremony was held on 2023-11-8 at E-JUST's library theater, where the candidates presented their research articles and received the prizes provided by Birla Carbon Egypt as follows:

The first prize: Eng. Rania Sameh Nada.

The second prize: Eng. Nouran Mohamed Emam shared with Eng. Alaa Moustafa.

The third prize: Mr. Adham Bahy, Mr. Marawan Ali, Mr. Fares Tarek shared with Mr. Fares Abdelhamid, Mr. Mohamed Hatem, and Mr. Mohamed Saad.

unched by the Ministry of Planning and Economic Development, Under the auspices of Prof. Amr Adly, E-JUST president, Prof. Mona Gamal Eldin organized the orientation session introducing the YDI to E-JUST community. The session was held at E-JUST on February 6th, 2023. With the presence of Dr. Mohamed Alaa, the YDI coordinator, Deputy Director of the International Cooperation Office, and the official of the Human Rights Unit at the Ministry of Planning and Economic Development.



Concluding Remarks

By including and addressing the Sustainable Development Goals (SDGs) which lie within the scope of our university, this report consolidates E-JUST's commitment to global sustainability efforts.

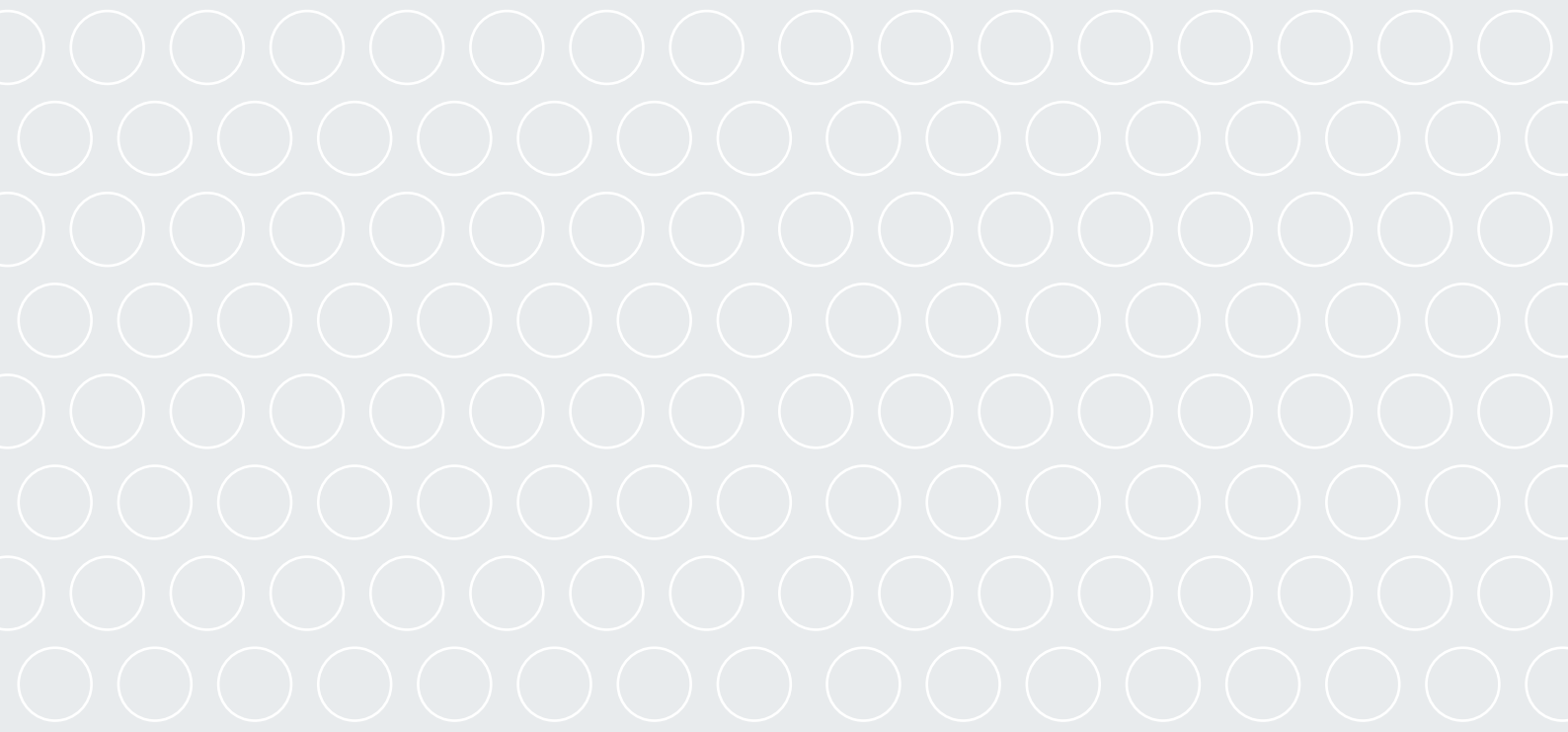
It demonstrates that progress is being made in some critical areas and that some favorable trends are evident.

Consequently, it reinforces a more comprehensive understanding of which areas of sustainable development are being addressed by E-JUST efforts, as well as which areas need further consideration or action.

The figures and data highlighted in this report bring with them varying challenges to build on current success and transform our ideas into reality. It is abundantly clear that much faster and more ambitious progress is necessary to unleash the social and economic transformation needed to accomplish our goals in accordance with SDGs.

Evidently, the report has highlighted areas that can drive progress across different SDGs: climate change, clean energy, healthy sanitation, more effective education, gender equality, revitalizing global partnerships, and much more.

We look forward to working hard toward achieving more advances for the University, Egypt, Middle East, and Africa.



Contact Us

Alexandria Secondary Campus
P.O. Box 179, New Borg El-Arab City
Postal Code 21934, Alexandria, Egypt

E-JUST Cairo Center
Concordia Building 2111, 3rd Floor,
Smart Village, Giza, Egypt

 **16448**

 www.ejust.edu.eg

 info@ejust.edu.eg