



エジプト・日本科学技術大学 Egypt-Japan University of Science and Technology (E-JUST)

About E-JUST

In 2009, E-JUST was established in New Borg El Arab City, Alexandria, as scientific and technological research institute with concept of Japanese-style engineering education under a bilateral agreement between the governments of Egypt and Japan. Since 2008, Japan International Cooperation Agency (JICA) has implemented a technical cooperation project to establish the university with cooperation of 13 Japanese universities, Japanese companies and related organizations.

In Sep 2017, the “Faculty of Engineering”(FoE) and the “Faculty of International Business and Humanities”(FIBH) were established with unique concept of practical experimental classes in the FoE, “Zemi” style education in the FIBH, Introducing liberal arts education throughout the university, and distinctive educational programs such as Japanese language, Japanese culture, peace studies and other special educational programs. JICA also continued to support the improvement of the quality of education and research and improved the education and research facilities through Grant Aid Project. As a result, E-JUST ranked 601-800th in the world, 1st in Egypt in Times Higher Education University Ranking 2024. In 2019, E-JUST started accepting 150 international students as agreed at TICAD7, and the total number of students, including international students, has exceeded 4,000 throughout the university.



E-JUST History

Mar 2004: 2nd Japan-Arab Dialogue Forum
Oct 2008: Starting JICA Technical Cooperation Project
Mar 2009: Signing of bilateral agreement
Dec 2009: Campus Design International Competition
Feb 2010: Opening of E-JUST (3 majors in engineering)
Jul 2014: Appointment of President Ahmed El-Gohary
Jul 2014: Appointment of First Vice President Suzuki
Feb 2016: African students' admission was started
Sep 2017: Launching Undergraduate of FoE / FIBH
Sep 2020: Opening ceremony by President El-Sisi
Jul 2022: Appointment of new President Amr Adly
Jun 2023: Appointment of First Vice President Hashimoto

E-JUST' Structure

■ Faculty of Engineering (FoE)

School of Electronics, Communication and Computer Eng.	School of Innovative Design Eng.	School of Energy Environment and Petrochemical Eng.	Institute of Basic and Applied Science
Computer Science and Eng.	Mechatronics and Robotics Eng.	Chemical and Petrochemical Eng.	Mathematics
Electronics and Communication	Material Science and Eng.	Environmental Eng.	Chemistry
Electrical Power Eng.	Industrial and Management Eng.	Energy Resources Eng.	Biology
			Physics

■ Faculty of International Business and Humanities (FIBH) /Others

School of International Business and Humanities	Other University Special Program	Diploma Program
Accounting and Information Systems	Heritage Science	Pharmacy Doctor
Human Resource Management		Computer Science and Information Tech
Investment and Finance		Sustainable Architecture
Marketing and Int.Business		Art and Design
		MBA
		Heritage Science
		Liberal Arts and Culture Center

■ Japanese Cooperation Universities

Waseda University, Institute of Science Tokyo, Kyoto University, Kyushu University, University of Tsukuba, Ritsumeikan University, Ritsumeikan Asia Pacific University, Hiroshima University, Hokkaido University, Tohoku University, Keio University, Nagoya University, Osaka University (13 Universities)

Overview of E-JUST

- No. of students: UG 3,367, PG 332
- International students: 89 (12 countries)
- No. of PG graduates: 517 (M.Sc 223, Ph.D 294)
- No. of UG graduates: 248 (FoE 185, FIBH 63)
- No. of academic staff: 106 full-time, 41 part-time, 6 Japanese language teachers
- No. of staff: 397 (including security, services etc)
- Scholarships (active): 80 TICAD7 scholarships, 7 TICAD8, 1 Toyota Tsusho, 149 MOHE, 1 Mitsubishi, 2 SNG, 50 E-JUST etc.
- E-JUST University Ranking:
 - Times Higher Education, University World Ranking 2024, 1st in Egypt, 7th in Africa, 601-800 in the world.
 - Times Higher Education, University Impact Rankings 2022 Goal7 (Affordable and Clean Energy): 15th overall
 - SCIMAGO Institutions Ranking 2018 3rd in Japan
 - Egyptian Science, Technology, and Innovation Observatory (ESTIO) 2019 No. 1 in Japan for the number of papers per faculty member.

Table 1. No. of Enrolled Students

Faculty	B.Sc	M.Sc	Ph.D.
Faculty of Engineering	1,258	93	104
Fac. Int. Business	491	10	6
Basic & Applied Science	90	60	59
Com. Science and IT	726	-	-
Pharmacy Doctor	631	-	-
Sust. Architecture	61	-	-
Art & Design	110	-	-
Total	3,367	163	169

Table 2. No. of graduated students

Faculty	B.Sc	M.Sc	Ph.D.
Faculty of Engineering	185	192	283
Fac. Int. Business	63	1	1
Basic & Applied Science	-	28	11
total	248	221	295

Table. No. of Enrolled students

	2020	2021	2022	2023
Undergraduate	325	1,172	1,047	1,050
Post Graduate	101	78	132	85

E-JUST International Cooperation

- MOU: 57 universities (32 agreements with Japanese universities. In addition to JCU, there are Akita International Univ, Nagoya Univ. of Commerce, Saitama Univ, Hosei Univ, Sophia Univ, Tokyo City Univ, Tokyo Metropolitan Univ, Meiji Univ.)
- International students from: Uganda 18, Ghana 17, Nigeria 16, Kenya 12, South Sudan 10, Malawi 6, Rwanda 3, etc.
- Students studying abroad: 39 EJEP/HRDP scholarships (Nagoya Univ. of Commerce 6, Ritsumeikan APU 17, Kyushu Univ. 11, University of Tsukuba 5), STI scholarships 4 (Waseda Univ. 2, Kyushu Univ. 2)
- No. of short-term Ph.D students in Japan: Total 206 (74 from Institute of Science Tokyo, 45 from Kyushu Univ, 23 from Waseda Univ, 14 from Osaka Univ, 15 from Kyoto Univ, 4 from Keio Univ etc)
- Acceptance of international students: Sophia Univ 1 (2020), Osaka Univ 2 (2022, 2023), Ritsumeikan Univ 1 (2022), Kyoto University 1
- ABE Initiative (study abroad program for staff): 14 people in total (Waseda Univ, International Christian Univ, Nagoya Univ. of Commerce, Kansai Gakuin Univ, Kansai Univ, etc.)

E-JUST Research and Industry Collaboration

■ Overview of research activities

	2019	2020	2021	2022	2023
Published Journal	173	200	190	218	294
Journal/Faculty	4	3.8	3.8	3.4	2.8
JCU co-authorship Rate	28%	25%	24%	40%	39%
Patent Applications	8	11	17	19	13
External funds acquired	16	38	25	19	11

Journals in 2023 is for Jan-Sep

- Joint/Commissioned Research: 17 companies (Unilever, Trend Micro, Ezz Steel, NEC, Pharco, Blink Company, etc.)
- MoU/NDA: 25 companies (including 4 Japanese companies: DMG Mori, Yokogawa Denki, DAIKIN, Saraya)
- E-JUST Millionaire Club (grant winners of 1 million EGP or more): 9 (2021), 7 (2022)
- Internships: 527 people from 82 companies (Egypt Air, Vodafone, Toyota Motors, YKK etc)
- Entrepreneurship (Incubator): Established an incubation center in September 2020, 12 companies commercialized.

Facilities/Campus

■ Campus

The E-JUST campus design was developed by Japanese architect Arata Isozaki. The master plan was completed in 2017, started construction in 2018. The Phase 1 was completed in 2021, consisting of an office building, five academic buildings, and a library. The Government of Egypt allocated an additional 12 billion EGP (Approx. 83 billion yen) for the construction of Phase 2 (Zone 1: 14 Academic Building, Zone 2: Industry Park, Zone 3: Stadium, etc., Zone 4: Student dormitories and faculty and staff housing).



■ Laboratory facilities

Advanced equipment has been introduced in E-JUST with cooperation of JICA. Common laboratories such as Microscope, Analysis, and Manufacturing Center have been launched in early stage of E-JUST. Since 2017, educational equipment has been also provided through Grant Aid Project.



Governance

■ Board of Trustees (BoT)

BoT is the highest decision-making body of E-JUST consisting of representatives from both countries. The BoT has the right to appoint the president, the budget, and the establishment of new departments. The 27th board meeting will be held in Jan 2024. The current composition of the committee is as follows.

Chairperson: H.E. Prof. Hany Helal, (former Minister of Higher Education)

Vice Chair: Sachiko Imoto (JICA Vice President)

Japanese members (10 members): Prof. Masu (President, Institute of Science Tokyo), Prof. Nakatani (President, Ritsumeikan Univ), Prof. Ochi (Hiroshima Univ), Prof. Shirai (Former President of Waseda Univ), Prof. Ishibashi (President, Kyushu Univ), Prof. Nagata (President, Univ of Tsukuba), Mr. Watanabe (Director-General for International Affairs, MEXT), Mr. Karube (Chairman, Toyota Tsusho), Ambassador Oka (Ministry of Foreign Affairs).

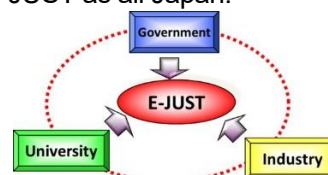
Egyptian members (10 members): Dr. Abdullah Zayed (Director of Library of Alexandria), Eng. El-Araby (El-Araby Group), Dr. Sherine (Pharco Co.), Prof. Sakr (Academy of Scientific Research and Technology), Prof. Mustafa (MOHE), Dr. Abu.Bakr (MOIC), Prof. Konsowa (Alexandria Univ), Ambassador Omar (MOFA), Prof. El-Gohary (E-JUST founding President).

■ University Council (UC)

UC is the highest decision-making body within the university composed of the President, Vice-President, Secretary-General, Deans and JICA. Under the UC, there are four councils: The Education Council, the Research Council, The International and Regional Affairs Council and the Support Service Council.

■ Japan Supporting Committee

Japan supporting committee consisting of representatives from 13 universities has been established as an advisory board for JICA projects. Prof. Shuji Shimizu (Deputy Director, Kyushu Univ) serves as the chairperson. MoFA, MEXT, JCCME and The Japan Chamber of Commerce and Industry attend the meeting to support E-JUST as all Japan.



E-JUST support configuration diagram

JICA Support

■ Technical Cooperation Project Phase 3

JICA supported the establishment of E-JUST since the preparatory stages through the "E-JUST Project (Oct 2008-Jan 2014)" and contributed to the establishment of the engineering graduate school. "E-JUST Project Phase 2 (Feb 2014 to Jan 2019)" was started for strengthening the foundation of engineering graduate schools as well as supported the establishment of the FoE and the FIBH which were successfully launched in Sep 2017. In addition, "E-JUST Project Phase 3 (Feb 2019-Jan 2025)" has started for 1) improving the quality of research and education, 2) implementing liberal arts education, 3) strengthening networks with academic institutions and industry inside and outside Egypt, 4) strengthening university management capacity, and 5) accepting international students.

■ Grant Aid

E-JUST Education / Research Equipment Procurement Plan: Provision of education/research equipment for FoE. The 1st plan (2016-2023) mainly provides equipment for 1st and 2nd year students, and the 2nd plan (2017-2022) mainly provides equipment for 3rd and 4th year students. The total value for both plans is 2.99 billion yen.

Plan to Introduce Clean Energy and Utilizing Solar Energy: Plan to install solar panels (grid-connected solar power generation facility (420 kW)) on E-JUST's secondary campus. The budget scale is 970 million yen. The installation has already been completed. E-JUST is currently considering the development of research activities using this facility.

■ Dispatch of Japan Overseas Cooperation Volunteers

From 2021, Mr. Homma, Japan Overseas Cooperation Volunteers (JOCV), was engaged in promotion of students' extracurricular activities such as sports and culture. From 2023, Ms Takehara, Japanese language teacher, has dispatched.

■ Egypt Japan Education Partnership (EJEP)

When President El-Sisi visited Japan in February 2016, he held a summit meeting with Prime Minister Abe, where the Egypt-Japan Education Partnership (EJEP) was launched. The document is set as "A joint partnership on education aimed at empowering Egyptian youth as an important pillar of their efforts to combat terrorism and extremism and promote peace, stability, development". Based on the EJEP, the Japanese government has implemented the "Project for

Improving the Quality of Preschool Education and Childcare" in preschool education, the "Project for Improving the Environment for Improving the Quality of Learning" focusing on special activities in primary education, and the "Technical education improvement project" and "Human resource development project (Egyptian-Japan educational partnership)" for studying and short-term training in Japan. E-JUST is also included as a part of EJEP stating that the two governments will cooperate in establishing engineering faculties and international business/humanities graduate schools/faculties.

E-JUST Information Resources

■ Web Site

www.ejust.edu.eg

www.jica.go.jp/project/egypt/010/index.html

■ Books

Takasei Okano (2022), Establish the University of Science and Technology in Egypt, Saiki Communications Publishing.

■ Published Paper

Satoshi Goto, Hany Helal, Yousry El Gamal, Ahmed El Gohary et al. (2021), Global Chemical Society Series Egypt Edition, The Institute of Electronics, Information and Communication Engineers. 104(4)

Shinichi Okawara (2020), E-JUST Practice of Japanese-style engineering education and research in the Middle East and Africa, Pedrotech. 43(9) pp.45-49

Setoguchi, N. (2016), Current state of engineering education and degree conferment at Egypt-Japan University of Science and Technology, University evaluation and degree research. 17, pp.53-63

Contacts

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■ E-JUST Hotel Borg El Arab

https://www.booking.com/hotel/eg/e-just-borg-al-arab.ja.html?auth_success=1

■ CINTEC Contacts

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