

# E-JUST

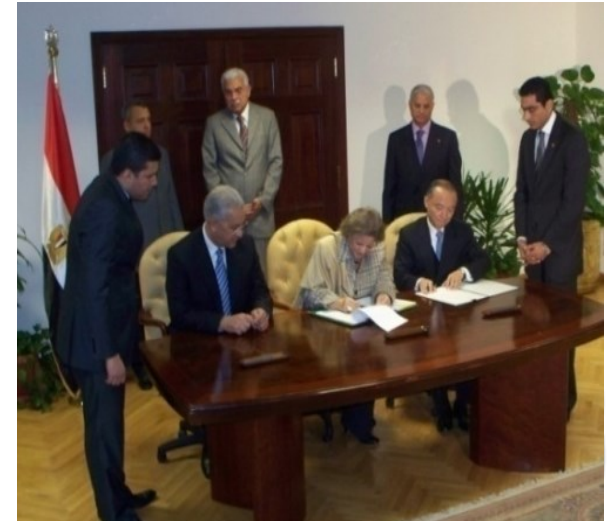
## Introduction...

August 2020



# E-JUST Background and History

- **March 2009** - Signing of the bilateral agreement to establish E-JUST.
  - **Egypt government** will sponsor land, infrastructure and buildings, and cost of Egyptian academic and administrative staff.
  - **Japan government** will cover equipment through Grand Aid projects and Japanese academic staff through JICA.
- **February 2010** - Start the Engineering Graduate programs
- **September 2017** – Launch of Undergraduate programs



# Background and Basic Concepts

E-JUST was established in March 2009 as a partnership between the governments of Egypt and Japan



Partnership  
between Egypt  
and Japan



Leading  
University  
serving Egypt,  
Middle East and  
Africa



Role model for  
Egyptian Higher  
Education sector



Research  
oriented,  
graduate  
focused



Japanese style  
approach  
(Project Based  
Learning)



Unique  
academic  
programs  
(multidisciplinary)

**Basic Concepts of E-JUST**



## ➤ School of Electronics, Communications and Computer Engineering

- Electronics and Communication Engineering
- Computer Science and Engineering
- Electrical Power Engineering (UG only)

## ➤ School of Innovative Design Engineering

- Mechatronics and Robotics Engineering
- Industrial and Manufacturing Engineering
- Materials Science and Engineering

## ➤ School of Energy, Environment, Chemical and Petrochemical Engineering

- Energy Resources Engineering
- Environmental Engineering (Graduate only)
- Chemical and Petrochemical Engineering

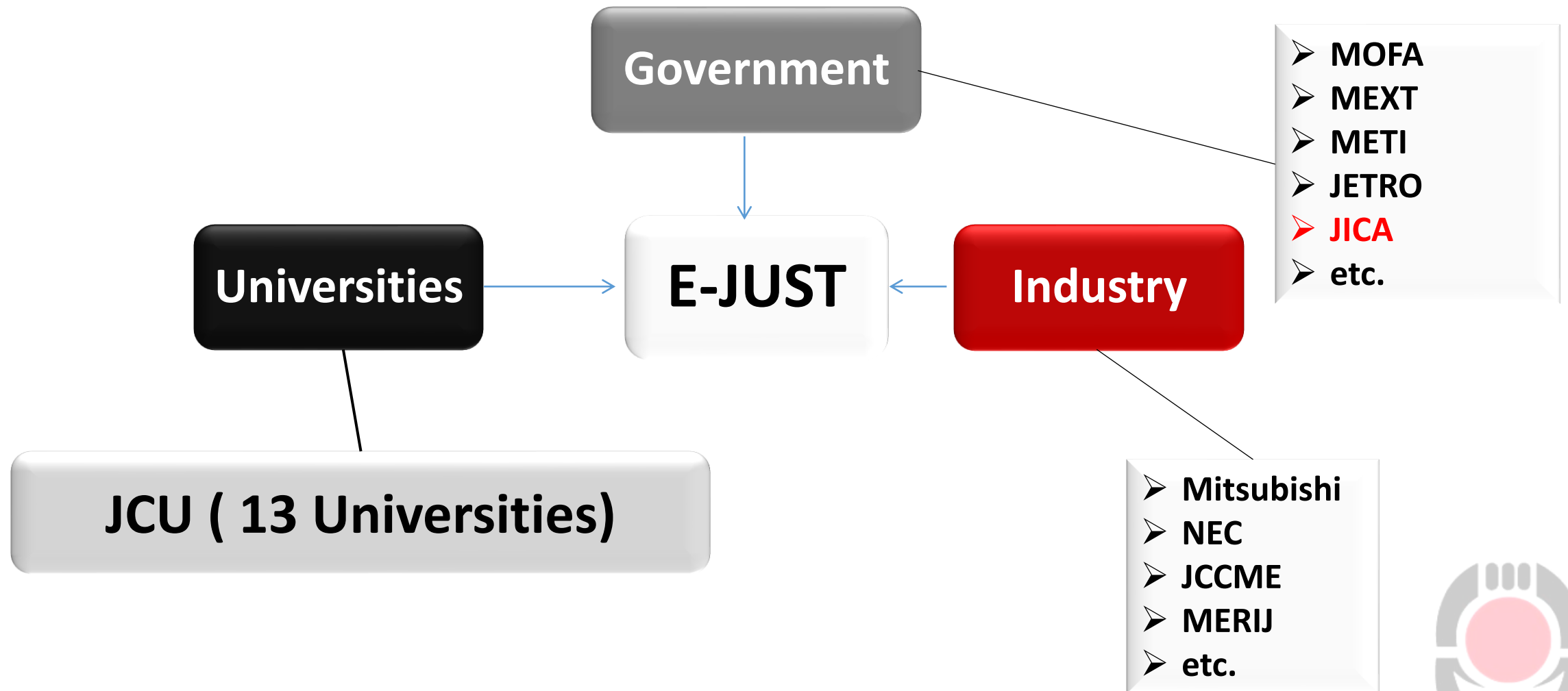
## ➤ Graduate School of Basic and Applied Sciences

- Nanoscience
- Applied and Computational Mathematics
- Energy Materials
- Biotechnology



Faculty of Engineering (B.Sc., M.Sc. & Ph.D.)

# Japanese Support System



# E-JUST-Japanese Cooperation Universities (JCU)

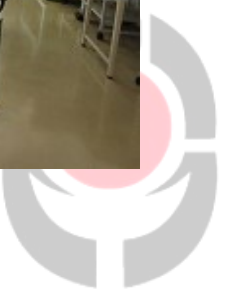
## 13 Top Universities



# Japanese Grand Aid Support for UG Equipment

Japan is granting E-JUST a sum of **US\$ 27millions (JPY 2,990,000,000)** Equipment for the UG programs (2018 - 2020)

- Equipment for basic technology developments Monotsukuri Center
- Equipment for basic science labs
- Equipment for basic engineering labs
- Equipment for specialized engineering tracks labs





# Postgraduate Statistics

- **108 M.Sc.** graduates (2 years target duration)
- **198 Ph.D.** graduates (3 years target duration)
- **88%** of graduate students enjoyed Egyptian government Ministry of Higher Education (MOHE) scholarship.
- **12%** of students enjoyed JICA and private scholarships.
- Private scholarships are provided by PHARCO, Elaraby, NTRA, ITIDA, IBM, Google and Mitsubishi corporations.



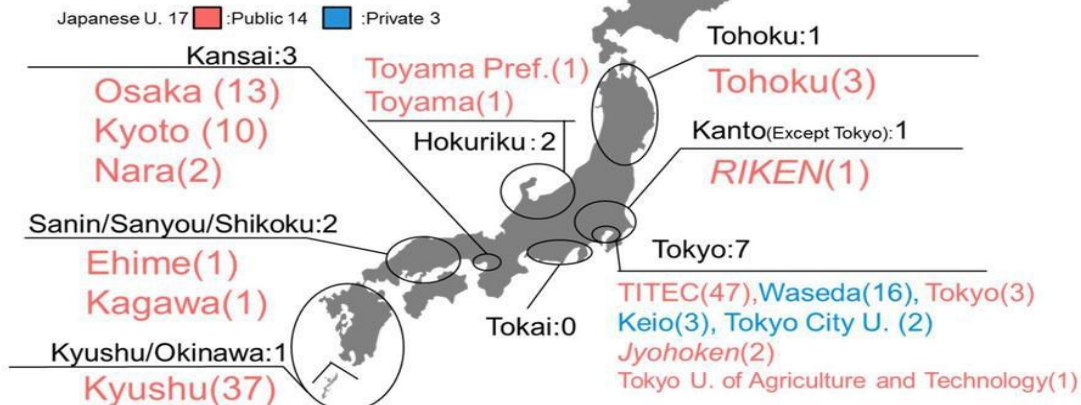


- International Japan-Africa Conference on Electronics, Communications and Computations (JAC-ECC), (7 rounds, 2012 - 2019). To collaborate Japanese, Egyptian, and African researchers from academia and industry in electronics, communications, and computer engineering. Organized by E-JUST and Kyushu University. *The 8th round of the conference (JAC-ECC 2020) will discuss a number of axes, including Artificial Intelligence, Internet of Things, Wireless communications, Embedded systems, Biomedical Engineering applications and others.*
- JICA supports the Double Ph.D. Degree Electronics and Communications Engineering program between E-JUST and Kyushu University leading to two degrees from the two universities.

# Ph.D. Student Dispatch to Japan

- Ph.D. students visit the counterpart Japanese laboratory for **6 - 9 months**.
- A total of **198 students** completed their visit.

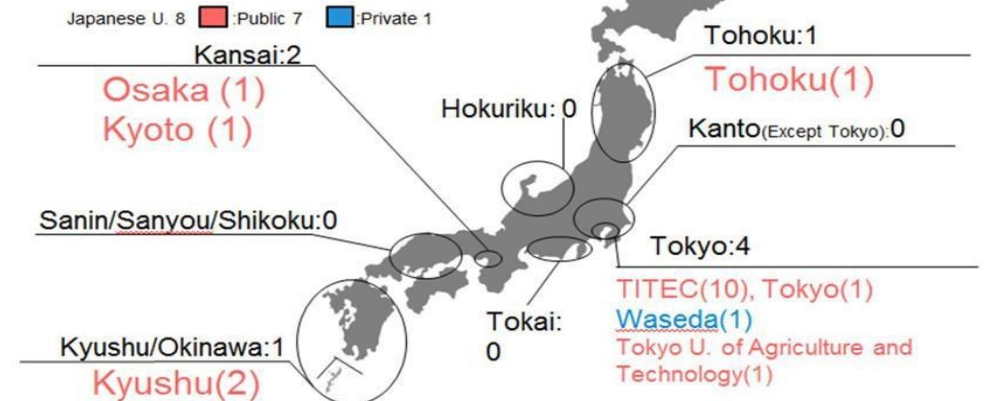
## E-JUST



**141 E-JUST Students in Japan  
2012-2018**

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## E-JUST NOW



**18 E-JUST Students in Japan  
As of August 31, 2018**

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# International African Students (Fall, 2019)



Current Students	JICA	EGYPT	Grand Total
		MoP	
Kenya	2		2
Nigeria	1	2	3
Ghana	2	2	4
Cameroon		1	1
Grand Total	5	5	10

Country	No	Country	No
Kenya	5	Uganda	3
Nigeria	6	Zimbabwe	1
Ghana	1		
Grand Total			16

Egypt and Japan governments agreed during the **TICAD 7-2019** to co-sponsor **150** African students to study their Master degree in E-JUST during the coming 3 years.



# Undergraduate Academic Programs Design

- Unique, eco-friendly, fully connected, and vibrant **campus**.
- **Laboratories** equipped with state-of-the-art educational and research equipment and facilities.
- **Active Experimental Learning**.
- **Multidisciplinary** modern curriculum.
- Focus on **soft skills, entrepreneurship, business skills**, environmental and energy related issues.
- **Liberal Arts Education** (Fine arts, Communication skills, philosophy, history, etc..)
- Focus on formulation of the **complete personality** of the students as future engineer and distinguished citizens.





# E-JUST Facilities



**Main Campus**



**Secondary Campus**



**Cairo Center**

# Secondary Campus

**E-JUST Head Quarters Building and  
Students Dormitories and Services  
Building**



# Secondary Campus Facilities



**Lecture Halls**



**Classrooms**



**Physics Lab**



**Chemistry Lab**



**Late Prof. Ahmed Abu Ismail Theatre**



**Computer Lab**



# Secondary Campus

## E-JUST Dormitory



- E-JUST dormitory includes a total of 560 apartments (70m<sup>2</sup> each) for students accommodation
- 84 hotel rooms/ suites to accommodate short and long term visitors



## E-JUST Guest House



# Guest House & Student Dormitory

# Photovoltaic Solar Power Station

## Solar PV Stations

**Atrium Area**

(955 m<sup>2</sup>)



**Plaza Area**

(3,047 m<sup>2</sup>)



**Parking Area**

(4,047 m<sup>2</sup>)



**Inaugurated on November 2019**



# Main Campus Status: Design Vs. Reality

Unique, eco-friendly, fully connected, and vibrant **campus**





# Main Campus Buildings



# *Thank you*

**Address:**

**Alexandria Secondary Campus:**

P.O. Box 179, New Borg El-Arab City

Postal Code 21934, Alexandria, Egypt

**E-JUST Cairo Center:**

Concordia Building 2111, 3<sup>rd</sup> Floor, Smart Village, Giza, Egypt

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