

Malaysia Japan International Institute of Technology (MJIT) Overall

Background

Malaysia Japan International Institute of Technology (MJIT) was established in 2011 at the Kuala Lumpur campus of University Technology Malaysia (UTM) as one of its faculty. Japanese government formed University Consortium composed of 28 universities and 2 research institutes to collaborate with MJIT in addition to provide advanced equipment for laboratories. Technical cooperation was also started by JICA in 2013 with scope of enhancement of quality of research and education.

“Lab based education”, aiming nurturing researcher through collaborative research in laboratory (i-Kohza) as learning community, has been implemented as Japanese style education. 20 iKohza have been launched, which promoting variety of collaborations with Japanese Universities. Skill focused curriculum, internship in Japanese industries, Japanese language skill (targeting N3) have been also implemented in undergraduate program as uniqueness of MJIT. Approximately 50 % of graduates are employed in Japanese related companies in Malaysia, Japan and ASEAN.

MJIT Structure

Establishment: September 2011

Structure: 4 UG Program, 5 PG Courses

Staff: 96 Faculty (7 Japanese), 25 administrative staff

Student Number: UG 757, PG 496

Foreign Student: UG 78, PG 82

JICA Staff: 3 JICA Experts, 1 JICA Volunteer

Chronology

In 2001: Both prime ministers agreed to jointly establish new university in ASEAN +3 summit

In 2005: Malaysia Japan University Center was established in University Technology of Malaysia

In 2010: “Malaysia Japan International Institute of Technology (MJIT)” was established in UTM with high autonomy.

In Sep 2011: MJIT was launched

In Feb 2018: Prof.Dr.Ali Selamat was assigned as Dean

MJIT Structure

MJIT	
Postgraduate	Undergraduate
<input type="checkbox"/> Electronic System Eng.	<input type="checkbox"/> Electronic System Eng.
<input type="checkbox"/> Mechanical Precision Eng.	<input type="checkbox"/> Mechanical Precision Eng.
<input type="checkbox"/> Chemical & Environment Eng.	<input type="checkbox"/> Chemical & Environment Eng.
<input type="checkbox"/> Management of Technology	<input type="checkbox"/> Software Eng.
<input type="checkbox"/> Disaster Risk Management	

iKohza • Centre

Advanced Devices & Materials Eng. (ADME), Air Resources (Air), Algal Biomass (Algae), Bio Inspired System & Tech (Bio-IST), Pattern Recognition & Robotics (PR2), Chemical Energy Conversion & Applications (ChECA), Commu. Systems & Networks (CSN), Embedded System (ES), Intelligent Dynamics & System (IDS), Innovation Manage. (IPIM), Metabolic Eng. & Molecular Biology (MemoBio), Eng. Materials & Structure (eMast), Optical Devices & System (Odesy), Shizen Conversion & Separation Tech (Shizen), Takasago Thermal Env. System (TTES), Tribology & Precision Machining (TriPreM), Vehicle System Eng (VSE), Wind Eng. for Env (WEE), Software Engineering Industrial Revolution (SEIR), Wellness Innovation Technology (WIT), Disaster Preparedness & Prevention Center (DPPC), Malaysia-Japan Advanced Research Centre (MJARC)

Japanese University Consortium

Shibaura Inst. of Tech, Nagaoka Inst. of Tech, Yamaguchi Univ, Univ of Tsukuba, Tokyo City Univ		
<input type="checkbox"/> Kyushu Univ	<input type="checkbox"/> Takusyoku Univ	<input type="checkbox"/> Tokyo Denki Univ
<input type="checkbox"/> Saitama Univ	<input type="checkbox"/> Nagoya Inst. of Tech	<input type="checkbox"/> Tokyo Univ of Science
<input type="checkbox"/> Tokai Univ	<input type="checkbox"/> Ritsumeikan Univ	<input type="checkbox"/> Okayama Univ of Science
<input type="checkbox"/> Meiji Univ	<input type="checkbox"/> Osaka Univ	<input type="checkbox"/> Kyushu Inst. of Tech
<input type="checkbox"/> Kanazawa Univ	<input type="checkbox"/> Ritsumeikan Asia Pacific	<input type="checkbox"/> Kanazawa Inst. of Tech
<input type="checkbox"/> Yamagata Univ	<input type="checkbox"/> Tokyo Univ of Tech	<input type="checkbox"/> Toyohashi Inst. of Tech
<input type="checkbox"/> Kyoto Univ	<input type="checkbox"/> Tokyo Univ of Agri & Tech	<input type="checkbox"/> Murooran Inst. Of Tech
<input type="checkbox"/> Kindai Univ	<input type="checkbox"/> JAIST	

Student Information (as of Feb 2022)

Student Number (UG)

UG	1st	2nd	3 rd	4th	Total
ESE	49 (1)	59 (8)	64 (6)	54 (1)	226 (16)
MPE	50 (1)	64 (4)	77 (7)	46 (1)	237 (13)
CPE	54 (1)	68 (4)	51 (3)	59 (1)	232 (9)
SD	38(21)	16(11)	8(8)		62(40)
					757(78)

Student Number (PG)

PG	Master	Ph.D	Total
ESE	37 (3)	72 (19)	109(22)
MPE	53 (2)	85 (13)	138(15)
ChEE	73 (18)	61 (9)	134(27)
MOT	40 (2)	39 (13)	79(15)
MDRM	24 (0)	-	24(0)
JointD	12 (3)	-	12 (3)
			496(82)

() is number of foreign students

Educational Program

Credit Transferred Program (UG) : 6 universities (Yamaguchi Univ, Univ of Tsukuba, Shibaura Inst.of Tech, Osaka Univ, Tokyo Agri and Tech, Kanazawa Inst. of Tech)

Joint Supervision Program (PG): 37 universities and research institutes.

Joint/Double Degree Program: Univ of Tsukuba Joint Master Program, Yamaguchi Univ Double Master Program

Student Exchange Program: **[Outbound]** MJIT Student Mobility Program Saukra Science Program (JST), Innovative Asia Program (JICA) etc **[Inbound]** Tokyo University of Agriculture and Technology, University of Tsukuba, Nagaoka University of Technology, Meiji University etc

International and Regional Collaboration

Faculty Interchange: **[Inbound]** Kindai Univ (1), Kanazawa Inst. Of Tech (1), Yamaguchi Univ (1), **[Outbound]** Yamaguchi University (1), Tokyo City Univ (2)

Satellite Office: 6 Univs (Univ of Tsukuba, Yamaguchi Univ, Shibaura Inst. of Technology, Meiji Univ, Kyushu Univ, Tokushima Univ)

Academic Agreement: MOU with 30 Universities in Japan, 13 Universities with other foreign country

Research Outcome

Publication: 270 in Aug 2020- Sep2021 including 49 Joint Publication with Japanese Partners and 154 Joint Publication with Students.

Patent: File 13, Granted 3 (in 2021)

Joint Laboratory: International Collaboration Program with Yamaguchi Univ (Intellectual Property), JASTIP-MJIT collaboration center with Kyoto University (DPPC), Takasago iKohza, Nest Bio Venture Lab with Leve a Nest

Industry Collaboration

MOU (Japanese Company): 11 companies (ROHM Wako Electronics Sdn.Bhd, Takasago Thermal Engine Co.Ltd, JEOL Ltd, Daikin Industries Ltd, NTT-MSD Sdn.Bhd, Shimazu Corporation, Kansai Paint Co.Ltd, Kantsu Co.Ltd, Leave a Nest Co.Ltd, Nippon Koei Co.Ltd, Delightex Pte.Ltd)

Endowment / Joint Laboratory: Takasago Thermal Engine iKohza, Nest Bio Venture Labo, Kantsu Robotics

Labo, Delightex Labo, Rohm Wako Labo, Panasonic Labo

Collaborative Research: INPEX Corporation, NTT-MSD Sdn.Bhd, Mitsubishi Heavy Industries Asia Pacific Pte.Ltd, Hitachi-Johnson Control Air Conditioning Sdn.Bhd etc

Commissioned Research: Nippon Sheet Glass Company Co.Ltd, IHI Co.Ltd, Daiichi Kagaku, Segate Technology, NSK Ltd, Kansai Paint Co.Ltd, Panasonic Malaysia Sdn.Bhd etc

Grant/Donation: JACTIM, Toyota Motor Sdn.Bhd, Honda Motor Sdn.Bhd, Kyowa Electric & Machinery Corp, Takasago Thermal Engine Co.Ltd, Kawai Foundation for Sound Technology & Music, Idemitsu Kosan Co.Ltd etc

Support of Japanese Government

Development Project for Malaysia-Japan International Institute of Technology [ODA Loan]

Project Period: Dec 2011 to May 2019

Loan Agreement: 27th Dec 2011

Amount: 66.97M Yen (Total project amount: 201.79M Yen)

Executing Agency: University of Technology, Malaysia

Project Contents: Provision of equipment for education and research, consultancy service, Curriculum development

Technical Cooperation Project for Development Project of MJIT

Project Period: July 2013-July 2018

Purpose: To support the smooth implementation of the Development Project of MJIT aiming establish MJIT as a new Center of Excellence for conducting Japanese-style engineering education under UTM.

MJIT UTM 2nd Phase Technical Cooperation Project

Project Period: July 2018-July 2023

Purpose: Strengthening Education and research of MJIT through cooperation with Japanese universities and private companies.

Japanese Overseas Cooperation Volunteers [JOCV]

Two Volunteers, Japanese Language Teacher, are dispatched to MJIT for Japanese language education under partnership agreement between JICA and Univ of Tsukuba, Takusyoku Univ and Ritsumeikan Univ.

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