



2024 College Bulletin

Mission

To develop highly qualified engineers that have
a rich sense of humanity and creativity.
To contribute to the wealth and advancement of
our local community
as a driving force of intellectual and
technological progress.

National Institute of Technology,
Kagawa College
[Kagawa KOSEN]

Message from the President

National Institute of Technology, Kagawa College (Kagawa KOSEN) was established in October 2009 through the merger of Takamatsu National College of Technology and Takuma Denpa National College of Technology. KOSEN consists of seven departments: Mechanical Engineering, Electrical and Computer Engineering, Electro-Mechanical Systems Engineering, Civil Engineering in Takamatsu campus, as well as Communication Network Engineering, Electronic Systems Engineering, and Information Engineering in Takuma campus. It has been consistently training engineers who support the industry boost of Japan's economic growth. KOSEN consists of a five-year integrated associate degree course after graduating from junior high school and a two-year advanced course, intending to develop practical, creative and internationally active professional engineers.



The five-year associate degree program combines general education and specialized engineering education promoting practical education that emphasizes experiments, practical training as well as classroom education. Our college maintains a high ratio of job openings that are not affected by economic trends, and students are also able to enter the college's advanced courses or transfer to various universities nationwide. This variety of options is one of the characteristics of our technical college. In the two-year advanced course after the associate degree program, students can further develop their research skills and international perspectives through advanced specialized education. Under this integrated seven-year education program, students can obtain a bachelor's degree which is the same as graduating from a university. After that, students can pursue graduate school.

We also emphasize global education by offering overseas internships and training programs in collaboration with international partner schools, as well as by welcoming students from abroad. These programs are designed to enhance cross-cultural understanding and communication skills, preparing participants to succeed on the international stage.

Today, society is undergoing a major transformation. IoT, where a lot of information and electronic devices are connected via the Internet, and AI with learning capabilities are rapidly changing the lives of people around the world. Without a doubt, it is engineers who are leading the way. At Kagawa KOSEN, after firmly establishing basic science subjects and specialized engineering education, we nurture the next generation of engineers who can identify issues on their own, conceptualize solutions, and create innovations through team discussions in problem-solving programs in collaboration with local companies and entrepreneurs.

The faculty and staff of Kagawa KOSEN will work together to improve the quality of education and research, reform education to respond to changes in society, and strengthen regional cooperation. We appreciate your understanding and support.

Nobuo Araki
President

Mission and Educational Goals

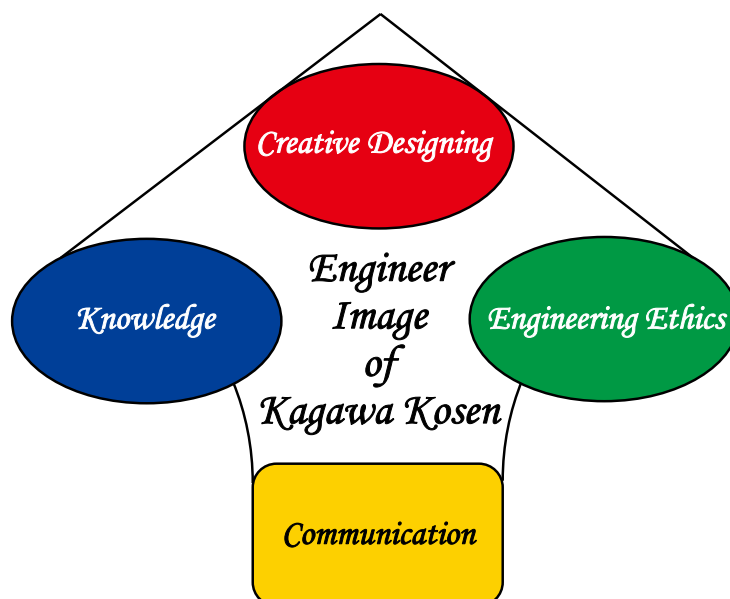
■ Mission of National Institute of Technology, Kagawa College : NITKC (Kagawa KOSEN)

- To develop highly qualified engineers that have a rich sense of humanity and creativity.
- To contribute to the wealth and advancement of our local community as a driving force of intellectual and technological progress.

■ Educational Goals

Kagawa KOSEN's educational objectives, based upon a detailed and comprehensive curriculum, are as follows:

- ◇ To broaden students' minds, with the aim that they will become engineers of the future that will play an instrumental role in a sustainable society.
- ◇ To train students to have the technological Knowledge and applicable skills for coping with these fast changing times.
- ◇ To train students to be engineers of the future, who can apply their imagination to tackle the complex problems of society.
- ◇ To develop the students' intellect, as well as communication skills, in order to prepare them for international career paths.



Contents

Message from the President	i
Mission and Educational Goals	ii
History	1
Organization	2
School System of Japan	3
Departments	4
General Education	
Industrial and Systems Engineering Division(Takamatsu Campus)	6
Department of Mechanical Engineering	
Department of Electrical and Computer Engineering	
Department of Electro-Mechanical Systems Engineering	
Department of Civil Engineering	
Electronics,Information and Communication Engineering Division(Takuma Campus)	10
Department of Communication Network Engineering	
Department of Electronic Systems Engineering	
Department of Information Engineering	
Faculty of Advanced Engineering(Bachelor's Degree Program)	13
Advanced Course in Industrial and Systems Engineering (Takamatsu Campus)	
Advanced Course in Electronics, Information and Communication Engineering (Takuma Campus)	
International Affairs	16
Academic Exchange Agreement with Overseas Institutions	
Organization of International Symposiums/Seminar (2015-2021)	
International Exchange and Academic Activities by Faculties and Students (2015-2021)	
International Students at NITKC	
Human Resources Development Office	17
Organization Chart of Human Resources Development Office	
Activities of Academic-industrial Alliance	
AI Social Implementation Education and Research Division	18
Infrastructure Maintenance Educational Center	19
Research	20
Grants-in-Aid for Scientific Research	
Commissioned Research	
Cooperative Research with Private Sector	
Other Competitive Funds and Grants	
Facilities	21
Networking and Computing Service Center	
Human Resources Development Office	
Students	22
Dormitories	23
After Graduation	23
Campus Map	24
Accounting	24
Access from International Airports to Kagawa KOSEN	25
Access Map	26

History

◇History

Takamatsu National College of Technology (Takamatsu KOSEN)※Takamatsu Campus of Kagawa KOSEN

April, 1962 Takamatsu National College of Technology(Takamatsu KOSEN) was established. It consisted of two departments: the Department of Mechanical Engineering and the Department of Electrical Engineering.

April, 1966 Takamatsu KOSEN was restructured into three departments: the Department of Mechanical Engineering, the Department of Electrical Engineering and the Department of Civil Engineering.

April, 1990 Takamatsu KOSEN was restructured into four departments: the Department of Mechanical Engineering, the Department of Electrical Engineering, the Department of Electro-Mechanical Systems Engineering and the Department of Civil Engineering.

April, 1999 Advanced Engineering Course was established.

April, 2001 Takamatsu KOSEN consisted of four departments: the Department of Mechanical Engineering, the Department of Electrical and Computer Engineering, the Department of Electro-Mechanical Systems Engineering and the Department of Civil Engineering.

April, 2004 Takamatsu KOSEN was reorganized and was affiliated with the Institute of National Colleges of Technology.

Takuma National College of Technology (Takuma Denpa KOSEN)※Takuma Campus of Kagawa KOSEN

October, 1943 Kanritsu Musen Densin Koshujo Osaka Branch (National School of Radio Telecommunications, Osaka Branch) was established at Yata-mura, Naka-Kawachi-gun, Osaka

April, 1945 Kanritsu Musen Densin Koshujo Osaka Branch was renamed Kanritsu Osaka Musen Densin Koshujo (Osaka National School of Radio Telecommunications).

April, 1949 Kanritsu Osaka Musen Densin Koshujo was relocated in Takuma-cho, Mitoyo-gun, Kagawa, and was renamed Takuma Denpa High School (Takuma Radio Technical High School).

April, 1971 Takuma Denpa High School became Takuma National College of Technology (Takuma Denpa KOSEN). It consisted of one department of Radio Engineering.

April, 1976 Takuma Denpa KOSEN was restructured into two departments: the Department of Radio Engineering and the Department of Electronics.

April, 1980 Takuma Denpa KOSEN was restructured into three departments: the Department of Engineering, the Department of Electronics and the Department of Information Engineering.

April, 1985 Takuma Denpa KOSEN was restructured into four departments: the Department of Radio Engineering, the Department of Electronics, the Department of Information Engineering and the Department of Control Engineering.

April, 1989 The Department of Radio Engineering was renamed the Department of Telecommunication Technology.

April, 2004 Takuma Denpa KOSEN was reorganized and was affiliated with the Institute of National Colleges of Technology. Advanced Engineering Course was established.

In October, 2009, Takamatsu KOSEN and Takuma KOSEN were incorporated and reorganized as National Institute of Technology, Kagawa College (Kagawa KOSEN). Two divisions including seven departments were set up: Industrial and Systems Division (Takamatsu Campus) and Electronics, Information and Communications Division (Takuma Campus).

The departments are as follows: Dpt of Mechanical Engineering, Dpt of Electrical and Computer Engineering, Dpt of Electro-Mechanical Systems Engineering and Dpt of Civil Engineering (Takamatsu Campus); Dpt of Communication Network Engineering, Dpt of Electronic Systems Engineering and Dpt of Information Engineering (Takuma Campus). The Faculty of Advanced Engineering was also set up: Advanced Course in Industrial and Systems Engineering; Advanced Course in Electronics, Information and Communication Engineering.
Dr. Masashi Kamon was appointed as the first president of Kagawa KOSEN.

In January, 2013, a commemoration ceremony was held to celebrate the 50th anniversary of the Takamatsu Campus and the 70th anniversary of the Takuma Campus.

In April, 2014, Dr. Takeshi Yao was appointed as the second president of Kagawa KOSEN.

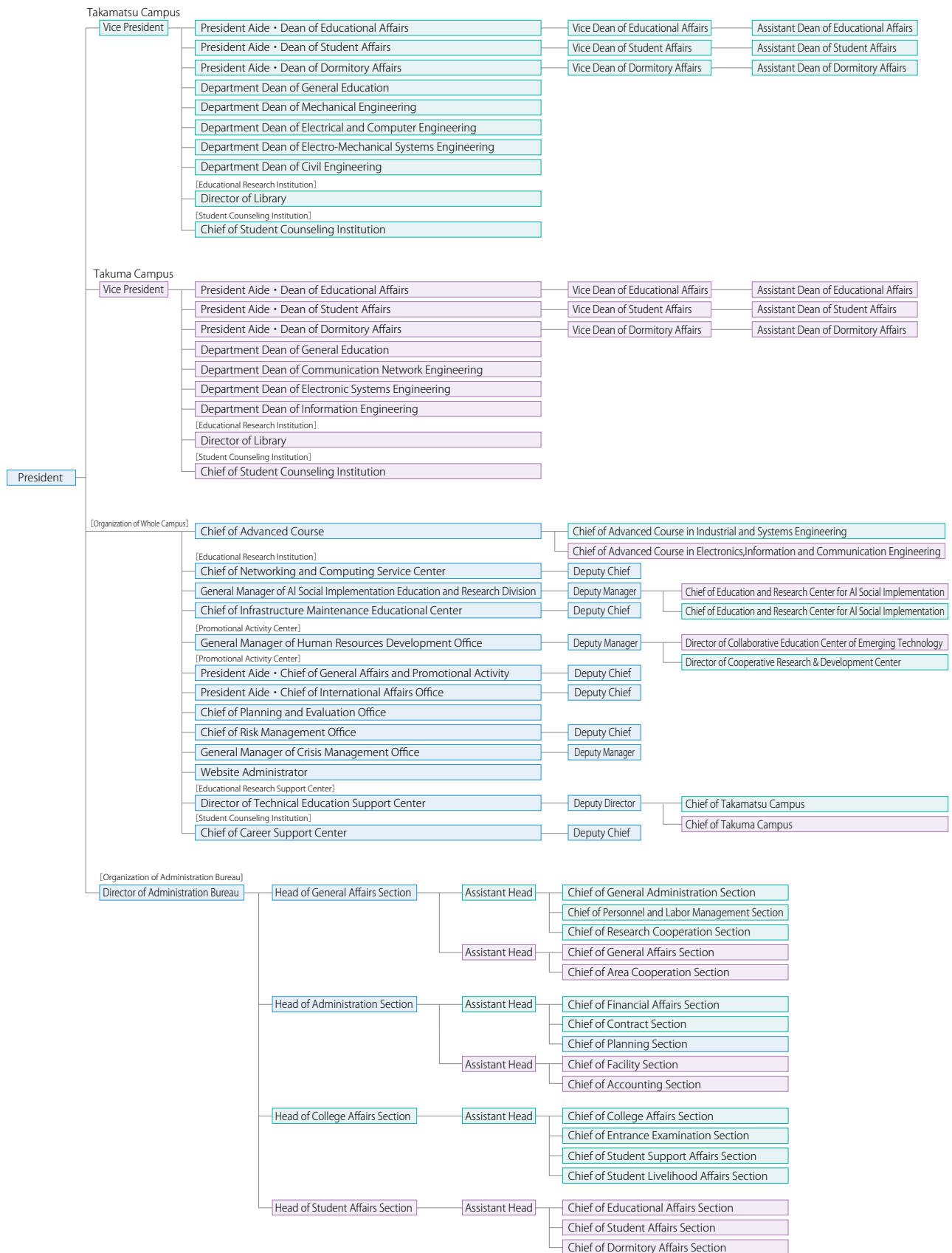
In April, 2018, Dr. Yoshio Aso was appointed as the third president of Kagawa KOSEN.

In April, 2021, Dr. Masao Tanaka was appointed as the fourth president of Kagawa KOSEN.

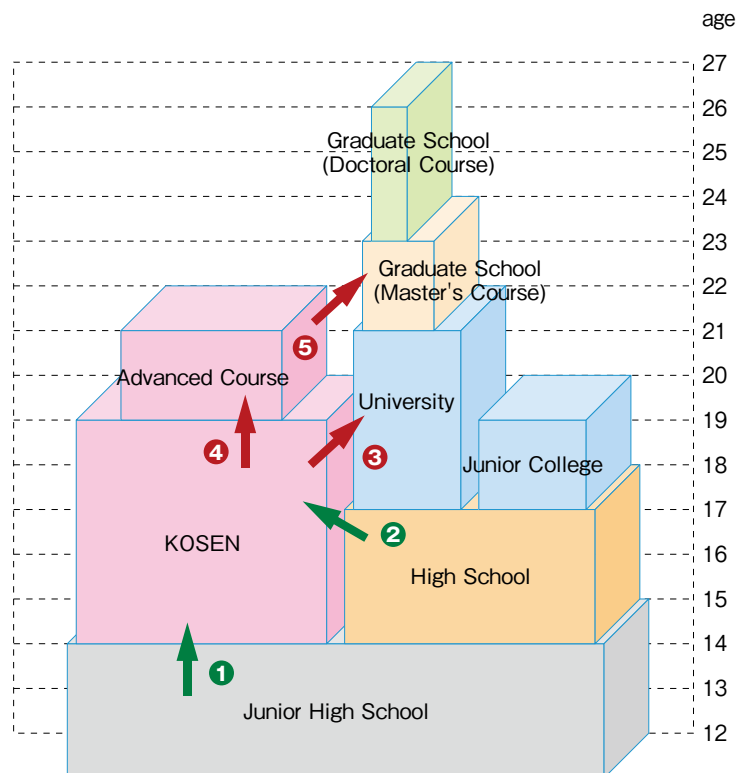
In April, 2024, Dr. Nobuo Araki was appointed as the fifth president of Kagawa KOSEN.

Organization

◇ Chart of Organization



School System of Japan



- ① Junior high school graduates are eligible to enroll at a KOSEN.
- ② High school graduates are eligible to enroll at a KOSEN as transfer students.
- ③ KOSEN graduates are eligible to enroll in a university as transfer students.
- ④ KOSEN graduates are eligible to enroll in an advanced course.
- ⑤ KOSEN Advanced Course graduates are eligible to enroll in a university graduate program.

■ KOSEN System

KOSEN system — five-year engineering education from 15-year old — was established in 1961, in response to a strong demand from industrial sector to foster engineers who sustain Japanese high economic growth at that time.

Characteristics of KOSEN Education

Upon Admission

- We admit junior high school graduates
- We enable students to engage in career and life planning at a young age

In School

Practical and Innovative Education

- We develop an curriculum in the liberal arts and professional studies
- We have highly qualified teaching staff (more than 80% of specialized subject teachers have doctoral degree)
- We provide experimental and practical training, internship and coop education
- We provide programs accredited by JABEE
- We offer international exchange opportunities

Personality Development

- We offer student dormitories and extracurricular activities
- We hold Robot, Programming, Design and Speech contests
- We organize annual all KOSEN Athletics Competition

Upon Graduation

- We help students to find various career paths
- We produce engineers with extensive practical creativity

Departments

General Education

This division offers various arts and science subjects including physical education aimed at cultivating students with wide-ranging knowledge and basic understanding required for the study of engineering. Our curriculum covers that of senior high schools putting stress on mathematics and science, and also offers some courses at the college level to the senior students.

◆ Fulltime Academic Staff in Department of General Education

[Takamatsu Campus]

Title	Name	Research Field
Prof.	OKANO, Hiroshi	Inorganic Materials Chemistry Thin Film Engineering
	TAGUCHI, Jun	History of Educational Thought
	NAKASE, Mikio	Sports Methodology Coach Methodology
	HASHIMOTO, Norifumi	Synthetic Organic Chemistry Catalytic Chemistry
	YOSHIZAWA, Kosei	Theory of Sports Training
Associate Prof.	KOSHOU, Kiyohiro	Pedagogy English Education
	YODA, Jun	European History
	TOBA, Motoko	Neurolinguistics Applied Linguistics
	SATO, Fumitoshi	Algebraic Geometry
Senior Lecturer	TOKUNAGA, Shintaro	TESOL, East Asian History
	NOGUCHI, Naoshi	Japanese Literature
	TACHIKAWA, Naoki	Electrochemistry Lithium Battery
	NODA, Kazuto	Condensed Matter Theory
	UETOKO, Takahiro	Particle Physics
Assistant Prof.	MORISHITA, Jiro	American Studies
	KOMEIJI, Tatsuki	Japanese Woodblock-printed Book(Ukiyo-e, E-hon)
	KUWATA, Ken	Mathematical Physics
	OOISHI, Kenta	Partial differential equation



Learning English by a Native Speaker



Department of General Education



A Lesson in the Multimedia Room



Physics laboratory

[Takuma Campus]

Title	Name	Research Field
Prof.	MINAMI, Takayuki	Differential Equation Hamiltonian System
	UCHIDA, Yuriko	Japanese History Women's Studies
	ARIMA, Hirotoshi	Methodology of Coaching
	FUJIHARA, Nobuhiro	Japanese Literature
	HASHIMOTO, Ryuta	Number Theory Continued Fraction
	UEHARA, Shigenori	Geometric Topology General Topology
Associate Prof.	YOKOYAMA, Manabu	Methodology of Sports Training Health Education
	MORI, Kazunori	English Teaching, CALL
	TAKENAKA, Kazuhiro	Synthetic Organic Chemistry, Organometallic Chemistry
	MORIOKA, Takaaki	Teaching English to Speakers of Other Languages
Senior Lecturer	TAMURA, Masaki	Indian Philosophy Buddhist Studies
Assistant Prof.	TAKAGI, Ren	Differential Geometry Submanifold Theory

◇Curriculum

Compulsory Subject	Credits
Japanese I-III	6
Japanese	2
Society I-II	4
Mathematics I A	2
Mathematics I B	2
Mathematics I C	2
Mathematics I D	2
Mathematics II A	2
Mathematics II B	2
Mathematics II C	2
Mathematics II D	2
Mathematics III A	2
Mathematics III B	2
Physics I-II	4
Chemistry I-II	4
Health and Physical Education I-III	6
English I A	2
English I B	2
English II A	2
English II B	2
English III A	2
English III B	2
Communication & Expression I-II	4
Art	2



Department of General Education in Spring



Collaborative Learning

[Takamatsu Campus]

Elective Subject	Credits
Literature I	2
Human Science I-III	6
Social Science I-III	6
General Chemistry I-II	4
Physical Education I-II	2
English IVA	2
English IVB	2
English VA	2
English VB	2
Language Seminar I-IV	8
Overseas English Program	1

[Takuma Campus]

Elective Subject	Credits
Human Science I-IV	8
Social Science I-IV	8
Topics in Natural Science	2
Physical Education I, II	4
English for Specific Purposes I, II	4
Chinese I, II	4
Overseas English Program	1
Teaching Support Activity	1

◇Main Experiment Facilities

	Room	Main Equipment
Takamatsu Campus	Physics Laboratory	High Vacuum Pump, Spectroscope, Induction Coil
	Chemical Laboratory	Sputtering System, PH Meter, Draft Chamber with Scrubber
	Language Laboratory	46 booths, 46 Computers, e-learning
Takuma Campus	Physics Laboratory	Audio-visual Equipment, Measurement Device of Specific Charge
	Chemistry Laboratory	Ultra Pure Water Production System, Draft Chamber with Scrubber, Drying Oven
	Multimedia Learning Laboratory	48 booths (BYOD), e-learning

Industrial and Systems Engineering Division (Takamatsu Campus)

Department of Mechanical Engineering

Mechanical engineers play a vital role in product design, development and manufacturing of industrial products in the modern industrial world as well as new challenges in developing countries.

Our educational program is designed to develop creative mechanical engineers who will excel in the industrial world and fulfill their personal desire to leave a legacy of successful accomplishments.

◆ Fulltime Academic Staff

Title	Name	Research Field
Prof.	KOJIMA, Takafumi	Thermodynamics Heat Transfer Engineering
	YOSHINAGA, Shinichi	Control Engineering
	JODAI, Yoshifumi	Fluids Engineering
	YAMASAKI, Yojiro	Robotics Motion Control
Associate Prof.	TOKUDA, Taro	Strength of Materials Fracture Mechanics
Senior Lecturer	KIMURA, Yuto	Molecular Dynamics
	MAEDA, Yusaku	Sensor Engineering
Assistant Prof.	TAKATANI, Hideaki	Robotics State Estimation
	FUJIOKA, Genko	Composite material, Sensor engineering



Bending Test of Metallic Materials



Graduation Research

◆ Curriculum

Classification	Subject	Credits	Classification	Subject	Credits
Compulsory	Engineering Literacy	2	Elective	Applied Mathematics III	2
	Applied Mathematics I	2		Engineering Mechanics II	2
	Applied Mathematics II	2		Strength of Materials III	2
	History of Science and Technology	1		Theory of Elasticity	2
	Intellectual Property	1		Heat Transfer Engineering	2
	Exercise of Mechanical Engineering I	1		Fluids Dynamics I	2
	Exercise of Mechanical Engineering II	1		Electronics	2
	Engineering Mechanics I	2		Computer Engineering	2
	Strength of Materials I	2		Mechanism	2
	Strength of Materials II	2		Computational Mechanics	2
	Thermodynamics	2		Computer Aided Design and Drafting II	4
	Hydraulics	2		Technical English	2
	Mechanical Vibrations	2		Heat Engines	2
	Working Technology	2		Control Engineering II	2
	Machine Element Design I	1		Fluids Dynamics II	2
	Machine Element Design II	2		Job Training	1
	Material Science and Engineering	2		Special Lecture I	1
	Electrical Engineering	1		Special Lecture II	1
	Control Engineering I	1		Special Lecture III	1
	Fundamental Programming	2		Special Lecture IV	1
	Numerical Methods	2		Pre-research Activity I	1
	Mechanical Design and Drafting I	2		Pre-research Activity II	1
	Mechanical Design and Drafting II	2		Pre-research Activity III	1
	Computer Aided Design and Drafting I	3		Advanced Programming Training I	4
	Fundamental of Working Exercise I	3		Advanced Programming Training II	4
	Fundamental of Working Exercise II	3		Advanced Programming Training III	4
	Fundamental of Working Exercise III	2			
	Mechanical Experiment I	3			
	Mechanical Experiment II	3			
	Graduation Research	8			



Computer Aided Design & Drafting



Solar Car and Eco Car

◆ Main Experiment Facilities

Room	Main Equipment
Workshop Lab.	Ultra-Precision Machine, Wire-Cut EDM Systems, Hobbing Machine, Precision Lathe
Mechanical Measurement Lab.	Non-Contact 3D Measuring Machine, Surface Finishing Indicator, Micro Hardness Tester
Material Testing Lab.	Universal Materials Testing Machine, Fatigue Testing Machine, Torsion Tester, Charpy Impact Tester
Material Lab.	Optical Microscope, Electric Furnace, Hardness Tester, SPD Equipment
Research Space Lab.	Hydraulic Servo-Mechanical Fatigue Testing Machine
Vibration Engineering Lab.	Vibration System, Vibration Meter, FFT Analyzer, Signal Analyzer
Wind Tunnel Lab.	Low Turbulent Wind Tunnel (40 m/s), Hot Wire Anemometer
Thermal Engineering Lab.	Heat Exchanger Testing Equipment
Internal Combustion Engine Lab.	Internal Combustion Engine Performance Testing Equipment, Engine Combustion Analysis System, Exhaust Gas Analyzer
Control Lab.	DC Servo Motor Testing System, Oscilloscope
Electronics Lab.	Oscilloscope, Digital Multi-Meter, Function Generator, DC Power-Supply Unit
Machine Shop	Lathe, Machining Center, CNC Lathe, Milling Machine, Grinding Machine, Crucible Furnace, Welding Equipment, Hydraulic Press
Drafting Room, CAD Room	Drafting Desks and Machines, Sketching Goods and Models, CAD System

Department of Electrical and Computer Engineering

The department of electrical and computer engineering intends to educate the engineers who can contribute to the high technological society. For this purpose, the educational curriculum is designed to include the fundamental of mathematics and physics in the first stage, and applied technologies are programmed in the next stage. Furthermore, teamwork and cooperativeness, which are necessary in the social works, will be introduced in the various experiments and circuit design. Major parts of these subjects consist of the technologies of the embedded system.

◆ Fulltime Academic Staff

Title	Name	Research Field
Prof.	SHIGETA, Kazuhiro	Information and Communication Engineering Educational Technology
	TUJI, Masatoshi	Electronic Circuit Microwave Engineering
	URUSHIHARA, Shiro	Motion Control Control Engineering
	TARAO, Hiroo	Electromagnetic Compatibility, Bioelectromagnetics
Associate Prof.	MURAKAMI, Yukikazu	Educational Technology
	KAKIMOTO, Takeshi	Software Development Management
	YAMAMOTO, Masashi	Material Science
Senior Lecturer	YOSHIOKA, Takashi	Motion Control Motor Drive
	KITAMURA, Daichi	Statistical Signal Processing, Machine Learning
Assistant Prof.	HINAMOTO, Yoichi	Digital Signal Processing



Lecture (logic circuits)



Experiment of Electronics

◆ Curriculum

Classification	Subject	Credits
Compulsory	Engineering Literacy	2
	Applied Mathematics I	2
	Applied Mathematics II	2
	History of Science and Technology	1
	Intellectual Property	1
	Fundamentals of Electrical and Computer Science I	4
	Fundamentals of Electrical and Computer Science II	4
	Fundamentals of Electricity	4
	Fundamentals of Electronics	4
	Electromagnetics I	2
	Electrical Circuits I	2
	Logic Circuits	2
	Fundamentals of Information Processing	4
	Electronic Circuits I	1
	Information Mathematics	1
	Creative Engineering Experiment Training I	2
	Creative Engineering Experiment Training II	4
	Experiments on Electrical and Computer Science I	4
	Experiments on Electrical and Computer Science II	4
	Applied Experiments on Electrical and Computer Science	4
	Graduation Research	8
	Design of Circuits	2

Classification	Subject	Credits
Elective	Introduction of Semiconductor Physics	2
	Electromagnetics II	2
	Electrical Circuits II	2
	Instrumentation Engineer	2
	Electrical and Electronic Materials	2
	Electronic Circuits II	2
	Electronic Circuits III	2
	Energy Conversion Engineering	2
	Control Engineering	2
	Electronic Devices	2
	Communication Engineering	2
	Information and Communication Network	2
	Algorithms	2
	Computer Architecture	2
	Operating System	2
	Signal Processing	2
	Information and coding theory	2
	Intelligence Information Processing	2
	Numerical Simulation	2
	Statistical Data Processing	2
	Technical English	2
	Job Training	1
	Special Lecture I	1
	Special Lecture II	1
	Special Lecture III	1
	Special Lecture IV	1
	Pre-research Activity I	1
	Pre-research Activity II	1
	Pre-research Activity III	1
	Advanced Programming Training I	4
	Advanced Programming Training II	4
	Advanced Programming Training III	4



Practice of Information Processing



Presentation of Circuit Design

◆ Main Experiment Facilities

Room	Main Equipment
Measurement Control Lab.	SCR Inverter, Electric Machine Training System, He-Ne Laser, Optical Power
Electronics and Information Lab.	Curve tracer, Oscilloscope, Logic Analyzer, Microwave Measuring System, Print Board Fabrication System, Optical Communication/Optical Fiber Communication System
Materials Lab.	Lock-in Amplifier, Ultra High Resistance Meter, Liquid Nitrogen Cryostat, Thickness Meter, Green Laser
Power Electronics Lab.	Ball screw mechanical system with AC servo motor, Induction motor control system
Electromagnetic Compatibility Lab.	Uniform Magnetic Field Exposure System, Magnetic Field Measurement Device, Work Station
Electronics Lab.	Oscilloscope, Function Generator, DC Power supply, Q Meter, Digital Frequency Counter, Pulse Circuit Trainer
Acoustical Information Lab.	Anechoic Chamber, Acoustic Measuring System, Ultrasound Detector
Computer and Communication Engineering Lab.	Logical Circuit Experiment Apparatus, Semiconductor Element Experiment Apparatus, Arithmetic Circuit Trainer, AD/DA Converter Trainer, Logic Analyzer

Department of Electro-Mechanical Systems Engineering

The department has a curriculum to educate students standing on mechatronics which is a combined engineering field that consists of mechanics, electronics, control engineering and computer science. The students are expected to have the role of not only simple manufacturing but also design & development, quality management, maintenance & inspection and so on in the production process.

◆ Fulltime Academic Staff

Title	Name	Research Field
Prof.	TOKUNAGA, Hidekazu	Computational Learning Theory Web Mining
	SOUA, Takeshi	Energy Engineering Energy Materials
	SHOBAKO, Shinichiro	Welding & Joining Arc Plasma
Associate Prof.	YURA, Satoshi	Control Engineering Motion Control
	SHIMASAKI, Shin-ichi	Electromagnetic Processing of Materials
	ISHII, Kohei	Biomedical Engineering
Senior Lecturer	TSUMORI, Nobuhiro	Nanophotonics Near-field Optics
	YAMASHITA, Tomohiko	High Voltage Engineering, Pulsed Power
Assistant Prof.	KAWAKAMI, Yusuke	Kansei Engineering, Signal Processing
	KADOWAKI, Jun	Soft robot, Pneumatic rubber muscle



Checking Robots



An Autonomous Robot



Working with Lathe Machine



Checking Electronic Components

◆ Curriculum

Classification	Subject	Credits	Classification	Subject	Credits
Compulsory	Engineering Literacy	2	Elective	Mechanics of Materials II	2
	Applied Mathematics I	2		Engineering Materials II	2
	Applied Mathematics II	2		Thermal Engineering II	2
	History of Science and Technology	1		Fluid Engineering II	2
	Intellectual Property	1		Electric and Electronic Circuits II	2
	Electromagnetics I	2		Information Processing A	2
	Manufacturing Processes	2		Information Processing B	2
	Fundamental Mechanics	2		System Control Engineering II	2
	Engineering Materials I	2		Mechanical Dynamics	2
	Mechanical Engineering Design	2		Robotics	2
	Mechanics of Materials I	2		Mechanical Instrumentation	2
	Thermal Engineering I	1		Statistical Analysis	2
	Fluid Engineering I	1		Technical English	2
	Electric and Electronic Circuits I	2		Electromagnetics II	2
	Information Processing on Basis	2		Semiconductor Engineering on Basis	2
	Mechatronics I on Basis	3		Electronic Instrumentation	2
	Mechatronics II on Basis	3		Sensor Devices	2
	Mechatronics III on Basis	3		Job Training	1
	Mechatronics System Design	2		Special Lecture I	1
	System Control Engineering I	2		Special Lecture II	1
	Technical Japanese Rhetoric	1		Special Lecture III	1
	Training and Exercise I on MONOZUKURI Basis	3		Special Lecture IV	1
	Training and Exercise II on MONOZUKURI Basis	3		Pre-research Activity I	1
	Training and Exercise III on MONOZUKURI Basis	2		Pre-research Activity II	1
	Experiment I	4		Pre-research Activity III	1
	Experiment II	4		Advanced Programming Training I	4
	Graduation Research	8		Advanced Programming Training II	4
				Advanced Programming Training III	4

◆ Main Experiment Facilities

Room	Main Equipment
Engineer Material Lab.	Optical Microscope, Electric Furnace, Video Microscope, Vickers Brinell and Rockwell Hardness Tester, SPD Equipment
Mechanics of Material Lab.	300kN Universal Testing Machine, Torsion Tester, Charpy Impact Testing Machine, Rotating Bending Fatigue Testing Machine
Thermal Engineering Lab.	High-frequency Induction Furnace, Electrometer, Laser Displacement Sensor, High-speed Camera, Heat Exchanger Testing Equipment
Electronics Lab./Electronic Control Lab.	Oscilloscope, Digital Multi-Meter, Function Generator, Electronic Voltmeter, Universal Counter, DC Power-Supply Unit, PCB-CAD/CAM
CAD Room	Video Projector, Personal Computer, 3D CAD
Exercise Room	Video Projector, Personal Computer, 3D CAD, 3D Printer
Control Lab.	Temperature Control Testing System, Water Level Control Testing System
FA Training Factory	3D Modeling Machine, Vertical Milling Machine, Drilling Machine, Band Sawing Machine
Measuring Lab.	Air Micrometer, Micro-Indicator, Tool Micrometer Microscope
Training Factory	Engine Lathe, Drilling Machine, Universal Milling Machine Universal Band Sawing Machine, Machining Center, Welders

Department of Civil Engineering

The department of civil engineering is working on fostering engineers who can contribute to the construction of infrastructure supporting safe and comfortable lives of citizens and the maintenance of the natural environment which is also deeply related to the construction of infrastructure.

◆ Fulltime Academic Staff

Title	Name	Research Field
Prof.	MUKAITANI, Mitsuhiro	Geotechnical Engineering Geoenvironmental Engineering
	ARAMAKI, Noritaka	Geotechnical Engineering Resource Development Engineering
	MIYAZAKI, Kosuke	Infrastructure Planning Transportation Planning
	TAGAWA, Tadashi	Sanitary Engineering Environmental Engineering
Associate Prof.	YANAGAWA, Ryoichi	Coastal Disaster Management Engineering Coastal Ecosystem Engineering
	HAYASHI, Kazuhiko	Concrete Engineering Maintenance Engineering
	TAKAHASHI, Naoki	Hydraulic Engineering Ecological Engineering
Senior Lecturer	IMAOKA, Yoshiko	Urban Planning Welfare Engineering
	HASEGAWA, Yuki	Concrete Engineering Agricultural Engineering
Assistant Prof.	MATSUMOTO, Masayuki	Earthquake engineering Seismic engineering



Loading of steel structure



Surveying

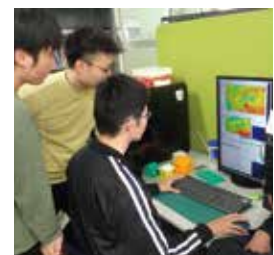
◆ Curriculum

Classification	Subject	Credits
Compulsory	Engineering Literacy	2
	Applied Mathematics I	2
	Applied Mathematics II	1
	History of Science and Technology	1
	Intellectual Property	1
	Structural Mechanics I	2
	Structural Mechanics II	2
	Structural Mechanics III	1
	Structural Design I	2
	Construction Materials	2
	Soil Mechanics I	1
	Soil Mechanics II	1
	Construction Management	1
	Hydraulics I	1
	Hydraulics II	1
	River and Coastal Engineering I	1
	Environmental Engineering I	2
	Environmental Engineering II	1
	Information Processing I	2
	Information Processing II	2
	Surveying I	2
	Planning I	1
	Planning II	1
	Design and Drawing I	1
	Design and Drawing II	1
	Civil Experiments and Exercises I	4
	Civil Experiments and Exercises II	2
	Civil Experiments and Exercises III	4
	Civil Experiments and Exercises IV	4
	Civil Experiments and Exercises V	3
	Introduction of Civil Engineering	2
	Current Topics on Civil Engineering	1
	Engineering Study with Creative Training	1
	Graduation Research	8

Classification	Subject	Credits
Elective	Structural Design II	2
	Soil Mechanics III	2
	River and Coastal Engineering II	2
	Applied Mechanics	2
	Environmental Engineering III	2
	Environmental Impact Assessment	2
	Information Processing III	2
	Surveying II	2
	Disaster Prevention Engineering	2
	Applied Mathematics III	2
	Technical English	2
	Job Training	1
	Special Lecture I	1
	Special Lecture II	1
	Special Lecture III	1
	Special Lecture IV	1
	Pre-research Activity I	1
	Pre-research Activity II	1
	Pre-research Activity III	1
	Advanced Programming Training I	4
	Advanced Programming Training II	4
	Advanced Programming Training III	4



Hydraulic Experiment



Numerical Model Analysis

◆ Main Experiment Facilities

Room	Main Equipment
Structural Engineering Lab.	Static and dynamic loading machine, Beam testing machines, Servo-type 1D&2D shaking tables, 2D soil tanks
Materials Engineering Lab.	Automatic compression testing machine (Cap. of 3000kN), Universal testing machine (Cap. of 1000kN), Concrete mixer, Oil jacks and oil pumps, Concrete cylinder end grinder, Freezing and thawing machine, Testing apparatuses for various concrete, Concrete curing water bath
Hydraulic Engineering Lab.	Three dimensional channel, Movable channels, Wave making channels, Shape-created weir, Pipe line with a Venturi meter, Wave height indicators, Various recorders
Geotechnical Engineering Lab.	Automatic consolidation testing apparatus, Universal compression testing apparatus, Cyclic triaxial compression test apparatus, Large-scaled universal direct shear apparatus, Falling head permeability test apparatus, B-type viscometer, High speed camera, Various soil testing apparatus
Environmental Engineering Lab.	Total organic carbon analyzer, Ion chromatograph, Gas chromatograph, CHN analyzer, Autoclaves, Centrifuge, Ultra pure water system, Acid rain collect, Electronic scale, Constant temperature ovens
Equipment room	Global Navigation Satellite Systems, Geographic Information System, Remote Sensing, Total station, Digital type theodolites(4set), Automatic levels, Electro-optical distance meters(4set), Plane table, Pranimeters, Stereoscope

Electronics, Information and Communication Engineering Division (Takuma Campus)

Department of Communication Network Engineering

Both modern industry and society rely heavily on telecommunication systems, which are also known as a “neural network” of society. The constituents of the systems are electric wires, optical fibers and electromagnetic waves, as well as a great deal of computers. The aim of the Department of Communication Network Engineering is to foster competent engineers in this promising field of telecommunications. The curriculum is organized so that students can qualify for various national licenses such as an On-the-Ground I-Category Special Radio Operator, or a First-Class Technical Radio Operator for On-the-Ground Services.

◇Fulltime Academic Staff

Title	Name	Research Field
Prof.	SAWADA, Shiro	Theoretical Physics
	INOUE, Tadaaki	Communications Measurement
	ISSHIKI, Hiromi	Biomedical Engineering
	ONO, Akira	Telecommunication Electronic Circuit
Associate Prof.	MANABE, Katsuya	Electromagnetic Theory Microwave Theory and Techniques
	TAKAJO, Hideyuki	Educational Technology Ubiquitous Computing
	SHOHON, Toshiyuki	Coding Theory Communication Engineering
	KUMEKAWA, Kazuya	Computer Networks
	SHIRAISHI, Keiichi	Computer Algebra e-Learning
	KAWAKUBO, Takashi	Field Emission Surface Physics

◇Curriculum

Classification	Subject	Credits
Compulsory	Applied Mathematics	2
	Probability and Statistics	2
	Applied Physics I	2
	Electric Engineering	2
	Information Processing I	2
	Information Processing II	2
	Digital Circuits I	2
	Electric Circuits I	2
	Electric Circuits II	2
	Electric Circuits A	2
	Electromagnetics I	2
	Electromagnetics II	2
	Electronic Circuits I	2
	Electronic Circuits II	2
	Electric and Electronic Measurements I	2
	Electronics	2
	Wireless Communication Engineering I	2
	Seminar on Communication Engineering	4
	Fundamental Engineering Exercises	2
	Engineering Exercise	2
	Creative Experiments and Practices	4
	Experiments and Practices	2
	Experiments in Communication Network Engineering	2
	Experiments in Communication Engineering I	4
	Experiments in Communication Engineering II	4
	Graduation Research	8
Elective	Applied Physics II	2
	Information Processing III	2
	Electric and Electronic Measurements II	2
	Wireless Communication Engineering II	2
	Antennas and Propagation I	2
	Antennas and Propagation II	2
	Communication System A	2
	Communication System B	2
	Telecommunications Law I	2
	Telecommunications Law II	2
	Computer Networks I	2
	Computer Networks II	2
	Information Theory	2
	Seminar on Radio Engineering	2
	Data Communications	2
	Optoelectronics	2
	Mathematics for Information Science	2
	Information Security	2
	Network Programming	2
	Internship	1
	Special Lectures I	1
	Special Lectures II	1
	Pre-research Activity I	1
	Pre-research Activity II	1
	Pre-research Activity III	1
	Research Fundamentals I	1
	Research Fundamentals II	1
	Research Fundamentals III	1
	AI I	1
	AI II	1
	AI III	1
	AI IV	1



Wireless Communication Experiment



Optical Fiber Communication



Radar Detection



Computer Network Experiment

◇Main Experiment Facilities

Room	Main Equipment
Electromagnetic Anechoic Chamber	EMI(Electromagnetic Interference)Receiver, CVCF(Constant-voltage Constant-Frequency)Power Supply, BLog Antenna, Artificial Mains Network, Absorbing Clamp, Turn Table, Vector Network Analyzer
Applied Electromagnetic Wave Lab.	Radar, Satellite Compass, AIS(Automatic Identification System)Receiver, Radio Direction Measurement Equipment, Radio Transmitter, Radio Receiver
Photonics Lab.	Sampling Oscilloscope, Spectrum Analyzer, EO Converter, OE Converter, OTDR(Optical Time Domain Reflectometer)
3rd Fundamental Communication Eng. Lab.	Pulse Pattern Generator, Error Rate Detector, Optical Spectrum Analyzer
Information Network Exercise Room	Training Equipments for LAN(Local Area Network)Integration(Routers, Switching Hubs, Wireless LAN Access Points, Personal Computers), Microcomputer Development and Training System

Department of Electronic Systems Engineering

In light of the advancements of mechatronics and Information technologies, there is a large demand for engineers in the development and integration of computer science, robotic systems and telecommunications.

The program in our department is designed to offer students many options from various fields such as hardware, software, electronics and communication technologies. We combine theory and practical application in the same course which provides practical laboratory experience. Our goal is to cultivate ingenuity and innovation in our students and provide them with all skills necessary for a successful career in the electronics industry.

Fulltime Academic Staff

Title	Name	Research Field
Prof.	MISAKI, Yukinori	Robot Engineering
	YAGI, Masakazu	Solid State Physics
Associate Prof.	TSUKIMOTO, Isao	Electronic Circuits
	MIKAWA, Michio	Solid State Physics
	JOHNSTON, Robert Weston	Embedded Systems
	MORIMUNE, Taichiro	Solid State Physics
Senior Lecturer	SHIMIZU, Tomo	Semiconductor Devices
	IWAMOTO, Naoya	Semiconductor Devices
	ONISHI, Akinari	Assistive Technology
	YOSHIOKA, Genta	Human Robot Interaction



Robot Manufacture Experiment using MINDSTORMS



Fundamental Electronic Circuit Experiments in English



Digital Circuit Manufacture Experiment using VHDL (in 5th Grade)



Graduation Work with Region Cooperation (in 5th Grade)

Curriculum

Classification	Subject	Credits
Compulsory	Applied Mathematics	2
	Probability and Statistics	2
	Applied Physics I	2
	Electric Engineering	2
	Electric Circuits I	2
	Electric Circuits II	2
	Fundamental Electric Circuits	4
	Electromagnetics I	2
	Electromagnetics II	2
	Electronics	2
	Electronic Circuits I	2
	Electronic Circuits II	2
	Semiconductor Electronics	2
	Semiconductor Device Engineering	2
	Digital Circuits I	2
	Digital Circuits II	2
	Electronic Measurements	2
	Control Engineering I	2
	Information Processing I	2
	Information Processing II	2
	Electronic Systems Engineering Seminar	4
	Fundamental Engineering Exercises	2
	Creative Experiments and Practices	4
	Experiments and Practices	2
	Experiments in Electronic Engineering	4
	Experiments in Electronic Engineering I	4
	Experiments in Electronic Engineering II	4
	Graduation Research	8
Elective	Applied Physics II	2
	Electric Circuits III	2
	Solid State Physics	2
	Optoelectronics	2
	Electrical and Electronic Materials	2
	Control Engineering II	2
	Robot Engineering	2
	Sensor Electronics	2
	Special Lecture in Electronic Systems Engineering	2
	Information System	2
	Communication System A	2
	Information Processing III	2
	Data Communications	2
	Image Processing Technology	2
	System Engineering	2
	Internship	1
	Special Lectures I	1
	Special Lectures II	1
	Pre-research Activity I	1
	Pre-research Activity II	1
	Pre-research Activity III	1
	Research Fundamentals I	1
	Research Fundamentals II	1
	Research Fundamentals III	1
	AI I	1
	AI II	1
	AI III	1
	AI IV	1

Main Experiment Facilities

Room	Main Equipment
Common Lab.	Liquid Crystals, Tunable Filters, Cooled CCD Camera, Multispectral Imaging System, Hyperspectral Camera
Measurement Engineering Lab.	Equipment of Supply Current Test to Detect Lead Opens of CMOS ICs, Oscilloscope, Current Probe
Computer Engineering Lab.	Oscilloscope, Radiation Detector, Analog Waveform Processing System
Circuit Design Lab.	Photoelectron Yield Spectroscopy, UV-VIS NIR Spectrophotometer, Organic Thin Film Deposition Apparatus, Spectroscopic Reflectometer, Laser Micro-machining Apparatus, Atomic Force Microscope
Optoelectronics Lab.	Fluorometer, Quantum efficiency measurement system, Diffraction-grating monochromator, He-Cd laser, Ar ion laser, Cryogenic refrigerator
Electronics Lab.	Infrared Thermal Camera, 3D Printer, 3D Scanner, Tabletop Microscope, Non-Mydriatic Auto Fundus Camera, Pulse Oximeter
Materials Engineering Lab.	Pulsed Laser Deposition System, Sputtering Apparatus, Hall Effect Measurement System, X-ray Diffraction Equipment
Plasma Sintering Lab.	Spark Plasma Sintering System

Department of Information Engineering

The department offers students an opportunity to acquire the theoretical fundamentals of computer science, and learn how to apply this practical knowledge to everyday problems. The department aims to educate the students to be able to perform tasks such as the following:

- Information system development
- Application development and integration, such as sound and image processing, computer networking.

Fulltime Academic Staff

Title	Name	Research Field
Prof.	MIYATAKE, Akiyoshi	Educational System Engineering
	TOKUNAGA, Shuichi	Image Processing
	KANAZAWA, Keizo	Image Processing
	KAWAZOME, Hayato	Plasma Spectroscopy
Associate Prof.	KAWATA, Jun	Plasma Surface Interaction
	KONDOH, Yuji	Computer Algebra
	OKUYAMA, Shingo	Algebraic Topology
	SASAYAMA, Manabu	Information Retrieval Machine Translation
Senior Lecturer	MIYAZAKI, Takahiro	Remote Sensing

Curriculum

Classification	Subject	Credits
Compulsory	Applied Mathematics	2
	Probability and Statistics	2
	Applied Physics I	2
	Electric Engineering	2
	Electric Circuits I	2
	Electronic Circuits I	2
	Digital Circuits I	2
	Digital Circuits II	2
	Information Engineering	2
	Computer Architecture	2
	Information Processing I	2
	Information Processing II	2
	Software Design and Development	4
	Communication Theory	2
	Data Structures and Algorithms	2
	Compiler	2
	Seminar on Information Engineering	6
	Fundamental Engineering Exercises	2
	Information Engineering Exercises	2
	Creative Experiments and Practices	4
	Experiments and Practices	2
	Experiments in Information Engineering	2
	Experiments in Information Engineering I	4
	Experiments in Information Engineering II	4
	Graduation Research	8
Elective	Applied Physics II	2
	Mathematics for Information Science	2
	Numerical Analysis	2
	Electromagnetics	2
	Semiconductor Electronics	2
	System Engineering	2
	System Programming	2
	System Software	2
	Information System	2
	Artificial Intelligence I	2
	Artificial Intelligence II	2
	Digital Image Processing	2
	Database Management System	2
	Computer Networks I	2
	Computer Networks II	2
	Information Security	2
	Internship	1
	Special Lectures I	1
	Special Lectures II	1
	Pre-research Activity I	1
	Pre-research Activity II	1
	Pre-research Activity III	1
	Research Fundamentals I	1
	Research Fundamentals II	1
	Research Fundamentals III	1
	AI I	1
	AI II	1
	AI III	1
	AI IV	1



Digital Circuit Experiment



Network System Integration



3D Content Creation for Virtual Reality



Programming Contest

Main Experiment Facilities

Room	Main Equipment
Control Circuit Lab.	3D Input/Output Device(3D Scanner, 3D Milling machine) 3D CAD/CAM software
Engineering Science Lab.	Educational design and prototyping platform, LabVIEW, Electronic Circuit Simulator
Network Lab.	Experiment equipments for network skill acquisition(Router,L2,L3 switch)
Knowledge Information Processing Lab.	The server for analyzing Big Data
ICT Lab.	203.2cm diagonal screen size Integrated Touch Display
Reference Room	AI learning server
Image information processing Lab.	Embedded technology training robot teaching materials
Joint Use Lab.	3D content creation system

Faculty of Advanced Engineering(Bachelor's Degree Program)

The Faculty of Advanced Engineering at Kagawa KOSEN aims to develop analytical, problem-solving skills as well as research ability of students so that they become practical and creative engineers who will play important roles in various industries, and contribute to the regional economy and society through collaborative projects.

To accomplish this goal, the Faculty of Advanced Engineering is comprised of the Courses in Industrial and Systems Engineering Program at the Takamatsu Campus, and the Course in Electronics, Information and Communication Engineering Program at the Takuma Campus.

■ Educational Objectives

The educational objectives of the Faculty of Advanced Engineering at Kagawa KOSEN are:

- ◇ Students will acquire highly specialist knowledge in their engineering fields and develop analytical skills by attending advanced lectures and proceeding their thesis research.
- ◇ Students will acquire broad knowledge and problem-solving skills from practical experience in other related fields to play leading roles in interdisciplinary areas.
- ◇ Students will learn ethical issues and responsibilities as engineers through collaborative researches with local educational organizations and companies.
- ◇ Students will acquire global viewpoints and communication skills in Japanese and English, by participating in workshops and scientific conferences inside and outside of the college.



Advanced Course(Takamatsu Campus)



Advanced Course(Takuma Campus)

■ Advanced Course in Industrial and Systems Engineering (Takamatsu Campus)

This course has four sub-courses to educate students to be practical engineers with problem-solving skills and the creativity to develop technologies.

■ Mechanical Engineering Course

This course is for future mechanical engineers with problem-solving skills and original creativity.

■ Electrical and Computer Engineering Course

This course is for future electrical engineers, electronic engineers, computer engineers and researchers.

■ Electro-Mechanical Systems Engineering Course

This course is for future mechatronics engineers with well-founded skills who contribute to the human happiness and welfare.

■ Civil Engineering Course

This course is for future civil engineers with knowledge of design, planning, disaster prevention and environmental preservation techniques.

◇ Curriculum

Classification	Subject	Credits
Liberal Arts	Compulsory	Management Theory
		TOEIC Preparation
	Elective	Jurisprudence
		Reading of Literary works
Engineering Basic	Compulsory	Engineer Ethics
		Topics in Mathematics I
		Modern Physics
		Intellectual Property Rights
	Elective	English for Technical Purpose
		Physical Chemistry
		Analytical Chemistry
		Applied Physics
		Overseas English Program
		Experiments and Practicals I
Core Eng. Subjects	Compulsory	Experiments and Practicals II
		Thesis Research I
		Thesis Research II
		Seminar I
	Elective	Seminar II
		Special Lectures
		Internship I
		Internship II
		Internship III
		Internship IV



Analysis using Motion Capture



Internal Combustion Engine



Water Quality Analysis

Classification	Subject	Credits
Eng. Subjects of ME Course	Elective	Internal Combustion Engines
		Computational Mechanics
		Elasticity and Plasticity
		Advanced Strength and Fracture of Materials
		Matrix Vibration Analysis
		Reliability Engineering
Eng. Subjects of EC Course	Elective	Electromagnetic Compatibility
		Modern Control Theory
		Project Management Theory
		Solid State Electronics
		Integrated Circuits
		Semiconductor Physics
		Power Electronics
		Information and Communication Engineering
		Microwave Engineering
		Digital Signal Processing
Eng. Subjects of MS Course	Elective	Knowledge Computing
		Image Processing Engineering
		Advanced Heat Transfer
		Advanced Dynamics
		Optimization Theory
		Advanced Computer Processing
		Advanced Joining Technologies
		Advanced Energy Engineering
		Advanced Control Engineering I
		Advanced Control Engineering II
Eng. Subjects of CV Course	Elective	Mechatronics
		Seismic Design
		Maintenance Engineering
		Structural Analysis in Civil Engineering
		Transport Planning
		Urban Design
		Prevention of Natural Disasters I
		Environmental Disaster Prevention Engineering II
		Advanced Fluid Dynamics
		Civil Mathematical Planning
		Infrastructure Planning
		Information Technology and Systems
		Introduction to Civil Engineering
		Environmental Ethics and Management

ME Course...Mechanical Engineering Course

EC Course...Electrical and Computer Engineering Course

MS Course...Electro-Mechanical Systems Engineering Course

CV Course...Civil Engineering Course

■ Advanced Course in Electronics, Information and Communication Engineering (Takuma Campus)

We provide a consistent curriculum from the associate degree course into the bachelor's degree course. The curriculum subjects consist of " liberal Arts ", " Engineering Basics " and " Field Specialized ".

Courses to enhance specialization in the fields of electronics, information, and communications are aligned to make it possible for studies to continue from the corresponding associate degree course. The course covers all fields of electrical and electronics engineering such as electrical and electronic information communication for the purpose of broadening students expertise.

Thesis research, special research, experiments and exercises are paramount for the program. In thesis research, the chance to research with supervisors collaborating with faculty at university is established. Joint research with local industry to contribute to regional industrial development are also prepared for students. In special research and experiments, students form groups to collaborate with students from the different fields and utilize the specialized knowledge and skills acquired by each individual to develop systems.

We cultivate practical and creative engineers who have a wide range of perspectives that can acquire complex knowledge and advanced skills in specialized fields with multidisciplinary capacity. Furthermore, our students also acquire advanced communication skills, self-sufficiency, high trouble shooting and problem solving capabilities throughout these studies.

◇ Curriculum

Classification	Subject	Credits
Liberal Arts	Compulsory	Communicative English I
		Communicative English II
	Elective	Advanced Japanese Literature
Engineering Basic	Compulsory	Engineer Ethics
		Advanced Physical Science
		Topics Applied Mathematics
	Elective	Intellectual Property
		English for Engineers
		Engineering Mathematics

Classification	Subject	Credits
Common Special Subjects	Compulsory	Thesis Research I
		Thesis Research II
		Experiments and Exercise I
		Experiments and Exercise II
		Quantum Mechanics
		Introduction to Information Technology
		Digital Signal Processing
		Applied Electromagnetics
		Graph Theory
		Information Networks
Common Special Subjects	Elective	Specialized Electronic Circuits
		Industrial Instrument Engineering
		System Control Engineering
		Algorithms and Data Structures
		Multi-Media Engineering
		Image Processing
		Special Lectures
		Communication Engineering
		Radio and Light Wave Engineering
		Advanced Communication Engineering
		Applied Electronic Materials Science and Engineering
		Machine Learning
		Digital Control Engineering
		Object Oriented Programming
		Applied Network Programming
		Database Design
		Internship I
		Internship II
		Internship III
		Internship IV



Stockholm International Youth Science Seminar, SIYSS
(Image provided courtesy of the Japan Prize Foundation)



The world congress of Imagine Cup 2015 at Microsoft Corporate headquarters.
(Image provided courtesy of Microsoft Corp.)



An international conference MJIC2020

International Affairs

◆Academic Exchange Agreement with Overseas Institutions

University / Faculty	Country / Region	Since
Dongyang Mirae University (DMU)	South Korea	Aug. 2005
Danang University of Technology (DUT)	Vietnam	Jun. 2009
Cheng Shiu University (CSU)	Taiwan (R.O.C.)	Dec. 2009
College of Engineering, Seoul National University (SNU)	South Korea	Jun. 2010
Universiti Teknologi MARA (UiTM)	Malaysia	Aug. 2010
Christchurch Polytechnic Institute of Technology (CPIT)	New Zealand	Jun. 2012
University of Caen Basse-Normandie	France	Jul. 2013
Rajamangala University of Technology Thanyaburi (RMUTT)	Thailand	Aug. 2014
Thai-Nichi Institute of Technology (TNI)	Thailand	Mar. 2015
Universite Francois-Rabelais Tours (UFRT)	France	Dec. 2015
Universiti Sains Malaysia (USM)	Malaysia	Jul. 2018
Dalian Neusoft University of Information (DNU)	China	Dec. 2018
National Cheng Kung University (NCKU)	Taiwan (R.O.C.)	Mar. 2021
Southern University of Science and Technology (STUT)	Taiwan (R.O.C.)	Mar. 2024

◆Organization of International Symposiums/Seminar

- ◆ "International Symposium on Geo-Environment Engineering (GEE) ," May 2015, May 2016 and May 2018
- ◆ "International Civil and Infrastructure Engineering Conference (InCIEC)," Shah Alam, Malaysia, Sep. 2015.
- ◆ "Eco-Energy and Materials Sciences and Engineering Symposium", Dec. 2016, and April 2018
- ◆ "International Conference on Nanoscience & Nanotechnology" Feb. 2014~Mar. 2024
- ◆ "International Conference on Creativity, Inovation, and Invention on Digital Technology(CIIDT)", Dec 2018
- ◆ "NIT-NUU Bilateral Academic Conference.", Sep. 2019, and Sep. 2021
- ◆ "The 1st International Workshop on Smart Robotics and Applications", Mar. 2024

◆International Exchange and Academic Activities by Faculties and Students

- ◆ International internship at local offices of Japanese firms; in Thailand (2015), Hong Kong (2016), Vietnam(2015) Malaysia(2015, 2016 and 2017).
- ◆ "Engineering Class in English" by Visiting Professors from overseas; Takamatsu Campus (Dec. 2017) and Takuma Campus (Jan. 2018) .
- ◆ Global Engineer Training Program: to UiTM (Mar. 2015), to UiTM (Mar. 2016), to UFRT (Sep. to Dec. 2016), to UiTM (Mar. 2017), to RMUTT (Mar. 2017) ,to UiTM (Mar. 2018) ,to UFRT (Oct. to Dec. 2018), and to RMUTT (Sep. 2019), and to UiTM (Mar.2020), and to UFRT (Mar.2020)
- ◆ Global Engineer Training Program: from RMUTT (Apr. 2015), from UFRT (Apr. to Jun. 2016), from UiTM (Mar. 2017), from UFRT (Apr. to Jun 2018) , from RMUTT (May. to Jun./Jul. 2018) , and from UFRT (Apr. to Jun. 2019), from RMUTT (May. to Jul. / May. to Aug. / Jun. to Aug. 2019, Nov. 2019 to Jan. 2020)

◆International Students at NITKC

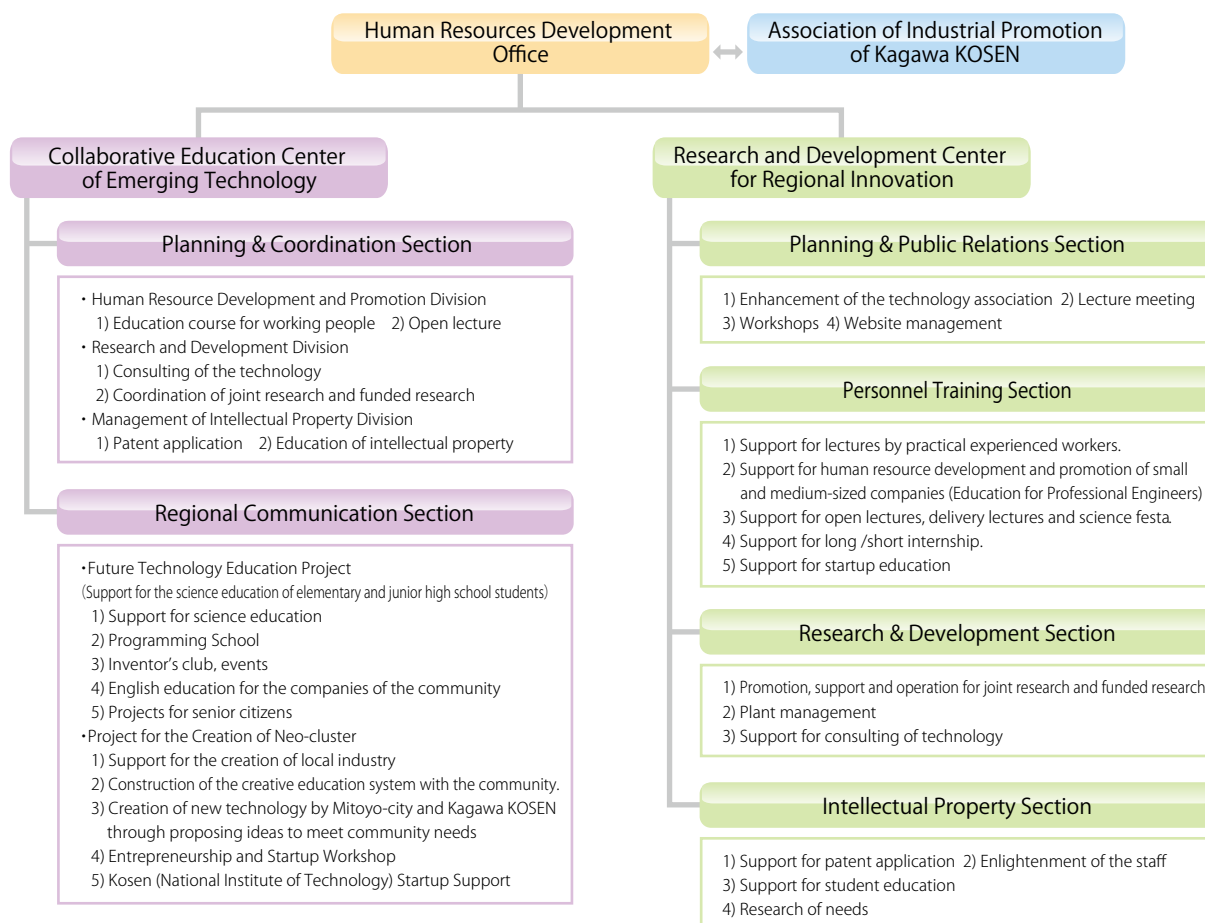
■Number of International Students Entering Mid-course/Advanced course of NITKC in Each School Year

School Year	Country	Bangladesh	Brazil	Cambodia	China	Colombia	India	Indonesia	Kenya	Korea	Laos PDR	Malaysia	Mongolia	Philippines	Sri Lanka	Thailand	Uganda	Viet Nam	Pakistan	Madagascar	Total
2024								1					1			2					4
2023				1								1									2
2022								1				1									2
2021										(1)	1	1									3
2020													1								1
2019												2	1			(1)				1	5
2018													3								3
2017												2	2			1					5
2016												4	1			1					6
1985~2015		7	1	4	5	1	1	13	1	2(2)	9	72	7	9	7	10	2	11	1		165
Total		7	1	5	5	1	1	15	1	5	10	83	16	9	7	15	2	11	1	1	196

() :Advanced course

Human Resources Development Office

◇ Organization Chart of Human Resources Development Office



◇ Activities of Academic-industrial Alliance

■ Association of Industrial Promotion of Kagawa KOSEN

Established on 28 August, 2009.

Purpose:

We utilize our knowledge, materials and human resources. We would like to develop the local industries and enhance the partnership with them, through the many operations such as exchanging technologies and information. We would like to contribute to the promotion of the education and research in Kagawa KOSEN

Description of business:

Promotion of technology development by the academic-industrial alliance. Development of local industries. Lecture meeting about technologies, lecture class, Workshop, Publish the information report, Consulting on technologies, Exchange information, Support for education of company workers, Promotion support projects of cooperative research, Internship, Recruiting fairs, Collaborative education, Promotion of education and research of Kagawa KOSEN etc.

■ Shikoku KOSEN Center for Innovative Technologies

Purpose:

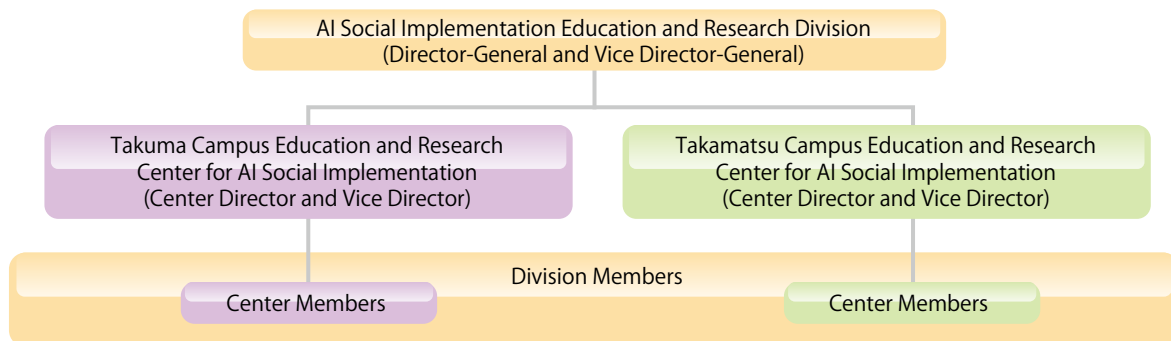
Anan, Kagawa, Niihama, Yuge and Kouchi KOSENs utilize the potentials of the colleges and aspects of the Shikoku-area, and spread out the activities of the academic-industrial alliance to contribute to the stimulation and promotion of the local area.

Business outline:

1. Department of the creation of innovation
Matching between the needs and the technology seeds of KOSENs in Shikoku-area. Consulting the technologies. Activities of academic-industrial alliance such as joint research.
2. Department of the Intellectual Property
Management and education of Intellectual Property in coalition for KOSENs in Shikoku-area.
3. Department of coalition for KOSENs in Shikoku-area.
Other activities to achieve the purpose of the center.

AI Social Implementation Education and Research Division

◇ AI Social Implementation Education and Research Division Organization Chart



Since the conclusion of an agreement of cooperation between the Matsuo Laboratory at the University of Tokyo (Mitoyo, Kagawa) and the National Institute of Technology Kagawa College (NITKC) on August 30, 2018, NITKC has been actively promoting development and social implementation of AI through Deep Learning Methods.

April 1, 2020, the NITKC AI Social Implementation Education Research Division was established to foster creative ideas amongst all the National Institute of Technology college students and researchers who conduct basic and applied research with AI; through the practice of social implementation, joint research with regional companies, and by human resource development, participants will have the power to implement their ideas in society.

The division will actively provide educational programs about AI and its underlying data science courses to all the students of the National Institute of Technology colleges by using the educational and research resources of the University of Tokyo's Matsuo Laboratory and NITKC's research achievements.



Conclusion of the Agreement of Cooperation between Mitoyo Matsuo Laboratory of the University of Tokyo and NITKC (August 2018, Mitoyo City Hall)

The NITKC AI Social Implementation Education and Research Division will promote education through the following activities:

- (1) Research Development for AI student researchers.
- (2) Community Education (social implementation) in cooperation with local areas.
- (3) Accessible Lectures (visiting and remote) related to human resource development in AI technology
- (4) Regional Cooperation with the Mitoyo AI Social Promotion Organization (MAiZM)*

The NITKC AI Social Implementation Education and Research Division will establish the "Takuma Campus Education and Research Center for AI Social Implementation" and the "Takamatsu Campus Education and Research Center for AI Social Implementation" to promote AI education and social implementation on each campus.

*The Mitoyo AI Social Promotion Organization (MAiZM) <https://www.maizm.or.jp/>

On April 1, 2019, MAiZM was established in cooperation with Prof. Yutaka Matsuo from the University of Tokyo and with NITKC. The organization will be actively promoting AI(DL) education for NIT students and AI(DL) applications.

◇ Members

AI Social Implementation Education and Research Division	Director-General	TOKUNAGA, Hidekazu (Professor, Department of Electro-Mechanical Systems Engineering)
	Vice Director-General	TOKUNAGA, Shuichi (Professor, Department of Information Engineering)
Takuma Campus Education and Research Center for AI Social Implementation	Center Director	TOKUNAGA, Shuichi (Professor, Department of Information Engineering)
	Center Vice Director	MISAKI, Yukinori (Professor, Department of Electronic Systems Engineering)
Takamatsu Campus Education and Research Center for AI Social Implementation	Center Director	MURAKAMI, Yukikazu (Associate Professor, Department of Electrical and Computer Engineering)
	Center Vice Director	KIMURA, Yuto (Senior Lecturer, Department of Mechanical Engineering)

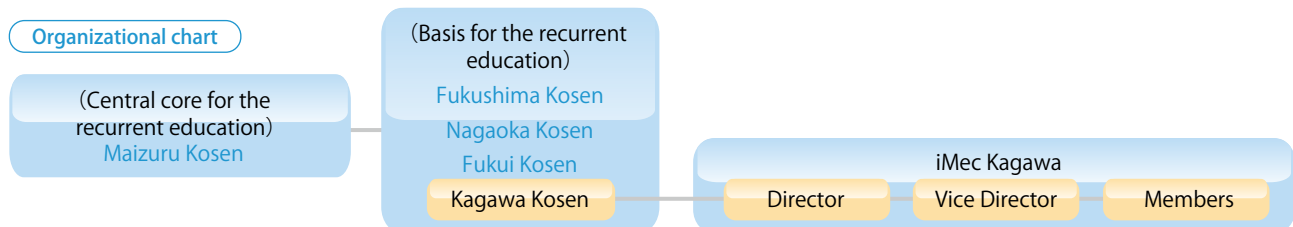
Infrastructure Maintenance Educational Center

Infrastructure Maintenance Educational Center at Kagawa Kosen (iMec Kagawa) was established on April 1, 2020. It was aimed to carry out recurrent education and to develop human resources on maintenance and management of civil infrastructure using the education research resources at Kagawa Kosen.



The deterioration of civil infrastructure such as roads and bridges has become social issues, and it is necessary to develop engineers for maintenance. iMec Kagawa offers practical education which combines e-learning and lecture-style courses on maintenance, skill training courses on damage inspections and non-destructive tests and experience-based learning courses using educational materials from actual deteriorated bridges. These educations are offered to students, local government officials and private-sector engineers. Those who have completed the prescribed course will be given qualifications such as the bridge inspection engineer registered with the Ministry of Land, Infrastructure, Transport and Tourism. 'The development of KOSEN-type academic-industrial cooperation for infrastructure maintenance human resource development' has been adopted by 'Sustainable industry-academia joint human resource development system construction project' supported by the MEXT (Ministry of Education, Culture, Sports, Science and Technology) from FY 2019 to FY 2023. Kagawa Kosen builds the basis for the recurrent education in community in collaboration with Maizuru Kosen, Fukushima Kosen, Nagaoka Kosen and Fukui Kosen.

Organizational chart



Facilities

Following structural members collected from actual deteriorated bridges were placed in practical training facility for infrastructures.



Overview of the space



Reinforced concrete slab



Reinforced concrete girder



Steel rivet girder



Steel truss bridge and supports



Non-destructive inspection by electromagnetic wave radar

Staffs

Director	HAYASHI, Kazuhiko (Associate Professor, Civil Engineering Department)
Vice director	HASEGAWA, Yuki (Senior Lecturer, Civil Engineering Department)
Member	MATSUMOTO, Masayuki (Assistant Professor, Civil Engineering Department)

Research

◆ Grants-in-Aid for Scientific Research

Identification of missing data mechanisms peculiar to software development data
 Development of a Bunraku Robot which can be Operated by One Person
 Development of high durable reinforcing method of old embankment for heavy rainfall and earthquake
 Estimation of the quantitative effect of sea cultivation aimed at disappearance of nutritional insufficiency at shallow water area
 A Study of children mobility from the perspective of Children Independent Mobility (CIM) and traffic safety
 Experimental study for the general use of silicate-based surface penetrants
 Comprehensive research on the application of microsatellite to bachelor's degree education and the development of its evaluation method
 A Study on the Creation of Novel Expressions under Wartime Censorship : Focusing on Osamu Dazai
 Research on High-reliable Cooperative Operation for Multiple-Mobile-Robot System using Blockchain and Distributed learning
 Moduli of representations and related topics (4)
 Research on BMI operation screen that can control autonomous wheelchair more freely
 Mathematical Deepening of Audio Source Separation Based on Independence and Amplitude/Phase Modeling and Development of Multimodal Hearing-Aid system
 Fundamental study of continuous blood pressure measurement using a wearable sensor attached to nail surface
 Research to realize a practical satellite development curriculum using a general-purpose satellite model starting from high school students
 Investigation of optimum arrangement of small-vertical-axis-wind-turbine clusters with interaction between the pairs and trios of turbines
 Formation of double roughness structures on surface of polymer blend film using atmospheric pressure low temperature plasma
 Application to Smart Machining Systems using Compression of Skill Data for Inheritance of Excellent Technician's Skills
 Development of a portable fishway system suitable for the upstream migration of salmon and trout
 Semiconductor Device Foundry Achieved at a Nano-tech Platform Established on an Average Science Lab.
 Interview dialogue system for augmenting awareness opportunity
 Evaluation of astrophysical fusion reaction rates using a microscopic nuclear model
 Basic study on recycling method of ITO transparent conductive substrate using pulsed arc discharge
 Development of resource recycling artificial geomaterial and application to geohazards prevention measures
 Development of assessment methods of both children's independent mobility and safety
 Thermocell using redox-active ionic liquid based electrolyte
 Development of criteria and decision-making measures for the continuation of local railways
 holding a photo exhibition to promote behavioral change toward tiding up through a sense of the extraordinary.
 Development of color and sound educational materials for kindergarteners to early elementary school students
 Study on optimal energizing conditions of 500 kHz current for apical periodontitis treatment
 16 another research study, Number of Research Studies 45, Total Funds 41,176,000Yen

◆ Commissioned Research

A Collaboration Project between Mitoyo City and The National Institute of Technology, Kagawa College
 Installation test of a portable fishway for the upstream migration of *Oncorhynchus keta* and *Oncorhynchus gorbuscha*
 2 another research study, Number of Research Studies 4, Total Funds 4,784,742Yen

◆ Cooperative Research with Private Sector

Feasibility of industrial methane production in the subsurface environment via microbial activities
 Development of High-Performance Lead-Acid Batteries
 Extraction Technology of Metal from Abandoned Coated Wires
 On Share Cyber Security Information
 Study of Fluorine Treatment Technology
 The development of the convenient device system for water use and disaster mitigation including lowering the water level in the small and middle scale irrigation ponds
 Development of RFID antenna at 920MHz band
 Study on development of wireless river monitoring system
 Study on durability life prediction method of cable conductor/shield wire for moving parts.
 A Study on Anomaly Detection by Image Classification Algorithm in Thermal Power Plants
 Speech enhancement based on spotforming using multiple microphone arrays
 Line joining of SUS304 thin plate using Friction Stir Welding (FSW)
 Improved statistical models for assessing children's independent mobility
 Efficiency Improvement of Semi-Solid Slurry Generation Equipment
 The analytical investigation against downstream area of flood at caused by pond's dike failure
 Development of active phased array antenna using printing technology on stratospheric balloon surface
 Analysis and decomposition of audio mixtures utilizing spatial information
 12 another research studies, Number of Research Studies 30, Total Funds 9,156,000Yen

◆ Other Competitive Funds and Grants

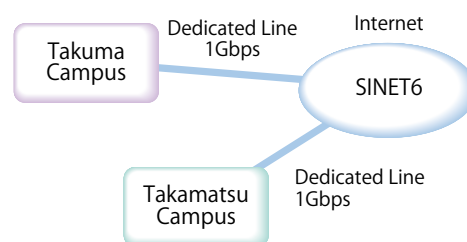
Development of technology to realize a highly profitable cultivation system in horticulture facilities
 Wide-band AC Servo System Based on Discrete-state Feedback Considering Control Delay of PWM Inverter
 Wide-band AC Servo System Based on Based on Discrete-state Feedback Considering Local Linearization and Successive Discretization
 2 another research studies, Number of Research Studies 5, Total Funds 3,862,000Yen

Facilities

◆Networking and Computing Service Center

■Network Infrastructure

Each campus has a dedicated connection with 1Gbps to the Science Information NETwork (SINET).



Network Between Two Campuses and SINET6

■Computing Service

○Takamatsu Campus

Automatically-recoverable computers are installed in the facilities and are used for education on computer literacy and academic research. 47 client computers for the first training room; 50 client computers for the second training room; 18 client computers for the third training room; and 54 client computers for the multimedia room.



Takamatsu Campus Second Training Room

○Takuma Campus

Automatically-recoverable computers are installed in Advanced Information Lab, and are used for education on computer literacy and academic research. All of the students can connect their BYOD PC to the campus network with wired or wireless LAN in Second Seminar Room, Cyber Lab, and Multimedia Learning Lab.



Takuma Campus Advanced Information Lab

◆Human Resources Development Office

This office consists of the Collaborative Education Center of Emerging Technology and the Cooperative Research & Development Center. Each center has many laboratories and a lot of equipment. These are used for students' experiment programs, the experiments for the graduation thesis of the associate degree, the cooperative research, and the commissioned research. The equipment is as follows: X-ray diffraction system for thin-film crystalline analysis; X-ray fluorescence spectrometer; Absorption spectrophotometer; Tabletop microscope; Ellipsometer; Scanning probe microscope; Scanning electron microscope; Finite element analysis system; Thermography camera; RF magnetron sputtering system; Fume hood; Digital Microscope; Atomic force microscope; Surface profiler.



Scanning Electron Microscope



Digital_Microscope

Students

■ Number of Students

◇ Department

	Classification	Admission Capacity	Enrollment					Total
			1st	2nd	3rd	4th	5th	
Departments	Department of Mechanical Engineering	40	43(3)	41(2)	42(2) [1]	33	38(3)	197(10) [1]
	Department of Electrical and Computer Engineering	40	43(12)	43(9)	41(3)	41(5)	40(2)	208(31)
	Department of Electro-Mechanical Systems Engineering	40	44(5)	39(4)	45(2) [1]	39(1)	35(4) [1]	202(16) [2]
	Department of Civil Engineering	40	41(9)	42(12)	40(10)	37(9) [1]	38(7) [1]	198(47) [2]
	Department of Communication Network Engineering	40	42(9)	44(8)	39(10)	42(7) [1]	29(7)	196(41) [1]
	Department of Electronic Systems Engineering	40	42(7)	46(7)	38(0) [1]	45(5)	41(3)	212(22) [1]
	Department of Information Engineering	40	42(8)	43(7)	45(6) [1]	45(13)	41(8)	216(42) [1]
	Total	280	297(53)	298(49)	290(33) [4]	282(40) [2]	262(34) [2]	1,429(209) [8]

◇ Faculty of Advanced Engineering

	Classification	Admission Capacity	Enrollment		Total
			1st	2nd	
Course	Advanced Course in Industrial and Systems Engineering	24	26(2)	28(2)	54(4)
	Advanced Course in Electronics, Information and Communication Engineering	18	15(3)	18(1)	33(4)
	Total	42	41(5)	46(3)	87(8)

() Female,
[] Overseas Students
As of May. 1, 2024

■ Clubs and Associations of People Sharing Common Interests

◇ Sports Clubs

Baseball Club	Swimming Club
Track & Field Club	Tennis Club
Table Tennis Club	Soccer Club
Judo Club	Softball Tennis Club
Kendo Club	Badminton Club
Yacht Club	Handball Club
Volleyball Club	Shorinji-Kenpo Club
Basketball Club	

◇ Cultural Clubs

Photography Club	Future Car Club
Brass Band Club	Chorus Club
English Club	Sado & Kado Club
Light Music Club	Radiotelegraphy Club
Computer Club	Shogi Club
Painting Club	Original Comics Club
Mechanical System Club	Go & Shogi Club
Science Club	Space Development Research Club

◇ Societies

Calligraphy Society	Painting Society
Cheer Team	Photograph Society
Literature Society	Dance Society

Dormitories

■Seiun-ryo (Takamatsu Campus)

Takamatsu Campus has accommodations for students called Seiun-ryo, which consists of four buildings: South Dormitory, North Dormitory, West Dormitory and International Dormitory. Male boarders stay at North and South Dormitory and female boarders use West Dormitory. Overseas students stay at International Dormitory with Japanese students.

- South Dormitory 4-story building 57 private rooms(9㎡), 2 private rooms(13.5㎡), 1 shared room with 2 beds etc(24㎡), 1 shared room with 2 beds etc(13.5㎡)
- North Dormitory 3-story building 29 private rooms(11㎡), 1 private rooms(15㎡), 24 shared room with 2 beds etc(15㎡)
- West Dormitory 3-story building 23 private rooms(10㎡), 8 shared room with 2 beds etc(15㎡)
- International Dormitory 3-story building 70 private rooms(7㎡)
- Common rooms a study room, a seminar room to study Japanese, lounges with a kitchenette, laundry room, bath room and a canteen, shower and kitchen for all individual Units(International Dormitory).

◇Number of Dormitory Students

School Year	1st	2nd	3rd	4th	5th	Faculty of Advanced Engineering	total
No. of Dorm studs	45(5)	36(4)	25(3)〈1〉	21(3)〈1〉	14(1)〈1〉	0(0)	141(16)〈3〉

() : Number of Female Students within Total, < > Number of Overseas Students within Total

As of May 1, 2024



West Dormitory & North Dormitory



South Dormitory

■Shippo-ryo・Shiun-ryo (Takuma Campus)

Takuma Campus has two block sets of dormitory buildings, one of which is "Shippo-ryo" and the other is "Shiun-ryo". The dormitory accommodations consist of three buildings, which are called Second, Third and Fourth Block. Presently, male students stay at two blocks called Shippo-ryo, while female students use one block called Shiun-ryo.

- Shippo-ryo (Takuma Campus) Dormitory 2: 4-story building 26 private rooms(13.5㎡), 9 shared room with 2beds etc(27㎡)
Dormitory 3: 5-story building 46 private rooms(9㎡), 69 shared room with 2 beds etc(18㎡)
- Shiun-ryo (Takuma Campus) Dormitory 4: 5-story building 12 private rooms(9㎡), 38 shared room with 2 beds etc(18㎡)
- Common rooms Study hall, a computer room, Lounge, lounges with a kitchenette, laundry room, bath room and a canteen

◇Number of Dormitory Students

School Year	1st	2nd	3rd	4th	5th	Faculty of Advanced Engineering	total
No. of Dorm studs	43(5)	45(11)	42(6)〈2〉	46(7)〈1〉	29(5)	7(0)	212(34)〈3〉

() : Number of Female Students within Total, < > Number of Overseas Students within Total

As of May 1, 2024



Shippo-ryo & Shiun-ryo



Canteen

After Graduation

■Employment or Academic Situation

As of April. 1, 2024

◇Takamatsu Campus

Classification		Number of Graduates	Number of the Students who Further their Education	Number of Employed	Number of the Other	Job Offered Companies
Departments	Department of Mechanical Engineering	41	11	27	3	883
	Department of Electrical and Computer Engineering	36	20	15	1	
	Department of Electro-Mechanical Systems Engineering	38	14	23	1	
	Department of Civil Engineering	43	12	31	0	
Total		158	57	96	5	
Course	Advanced Course in Industrial and Systems Engineering	30	10	20	0	

◇Takuma Campus

Classification		Number of Graduates	Number of the Students who Further their Education	Number of Employed	Number of the Other	Job Offered Companies
Departments	Department of Communication Network Engineering	38	8	30	0	645
	Department of Electronic Systems Engineering	34	8	25	1	
	Department of Information Engineering	37	16	21	0	
Total		109	32	76	1	
Course	Advanced Course in Electronics, Information and Communication Engineering	15	1	14	0	

Campus Map

Takamatsu Campus



- 1 Administration and Department of General Education
- 2 Department of General Education
- 3 Department of Mechanical Engineering
- 4 Machine Shop
- 5 Department of Electrical and Computer Engineering
- 6 Department of Electro-Mechanical Systems Engineering
- 7 Department of Civil Engineering and Lecture Rooms
- 8 Advanced Course
- 9 Library
- 10 Networking and Computing Service Center
- 11 Research and Development Center for Regional Innovation
- 12 Gymnasium1
- 13 Gymnasium2
- 14 Budo-ryo(Gymnasium for Martial Arts)
- 15 Training Room for Sports
- 16 Multi-purpose Space
- 17 Meeting Place for the Staff
- 18 Clubrooms①
- 19 Clubrooms②
- 20 Wind Tunnel Laboratory
- 21 Jikyo-kaikan(Welfare Facilities)
- 22 Wakei-kan(Site of a Training Camp)
- 23 Seiun-ryo(North Dormitory)
- 24 Seiun-ryo(South Dormitory)
- 25 Seiun-ryo(West Dormitory)
- 26 Seiun-ryo(International Dormitory)
- 27 Seiun-ryo(Dining Hall of Dormitory)
- 28 Swimming Pool
- 29 Athletic Field
- 30 Handball Court
- 31 Baseball Field
- 32 Tennis Courts
- 33 Tennis Court
- 34 Practical training facility for infrastructures

Takuma Campus



- 1 Administration Building
- 2 Faculty Building1
- 3 Faculty Building2
- 4 Faculty Building3
- 5 Multimedia Building
- 6 Advanced Course Building
- 7 Lecture Building1・Student・Affairs・Nurse Station
- 8 Lecture Building2
- 9 Library・Career・Support
- 10 Dormitory Administration
- 11 Shippo-ryo②(Dormitory)
- 12 Shippo-ryo③(Dormitory)
- 13 Shiun-ryo(Dormitory)
- 14 East Dormitory
- 15 West Dormitory
- 16 Boiler Room of Dormitory
- 17 Warehouse for Dormitory
- 18 Bathhouse for Dormitory
- 19 Gymnasium1
- 20 Gymnasium2
- 21 Martial Arts Gymnasium
- 22 Reserve Student Building
- 23 Warehouse for Physical Education
- 24 Building for the Swimming Pool
- 25 Student Commons Building
- 26 Reserve Faculty Building
- 27 Museum of Technology
- 28 Guard's Room
- 29 Garage
- 30 Housing for the Staff
- 31 Swimming Pool
- 32 Baseball・Soccer Field
- 33 Athletic Field
- 34 Tennis Courts

Accounting

◇ Revenue and Expenditure (2023)

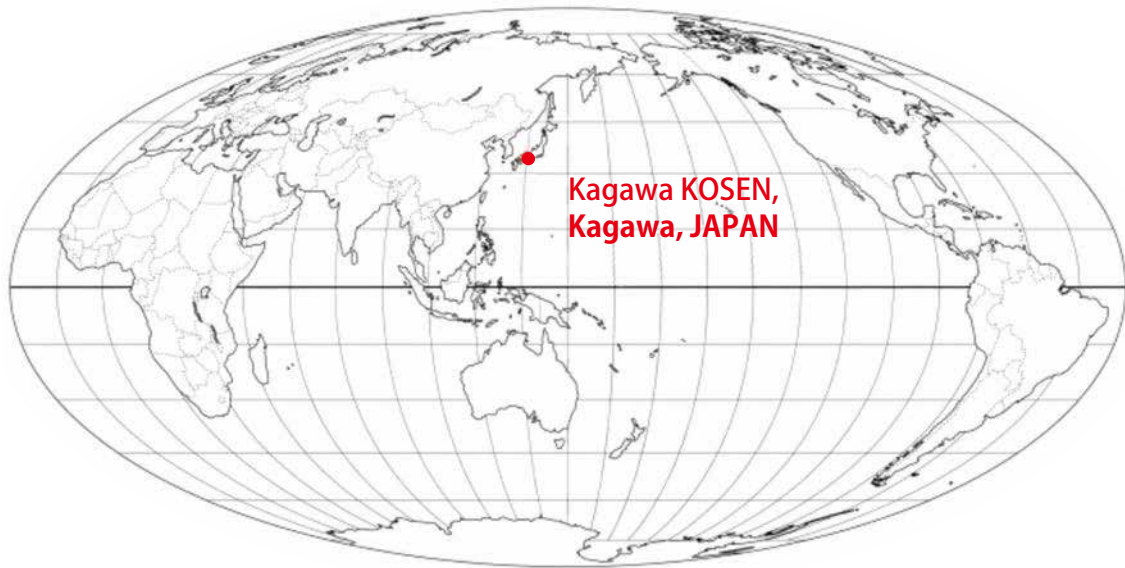
● Revenue (a monetary unit: 1,000yen)

Grant for working Expenditure	235,011
Facilities Improvement Expenses	0
Self-Revenue	
Tuition and Entrance Examination Fee	388,943
Miscellaneous Revenue	7,902
Industry-University Cooperation Research Revenue and Donation	46,197
Other Subsidy	157,668
Total	835,721

● Expenditure (a monetary unit: 1,000yen)

Educational Research Expenses	508,052
General Administrative Expenses	105,278
Facilities Improvement Expenses	0
Industry-University Cooperation Research and Donation Project Expenses	28,857
Other Subsidy	157,323
Total	799,510

Access from International Airports to Kagawa KOSEN



1 Narita International Airport(Tokyo) ⇒ (Narita Express) ⇒ JR Tokyo Station ⇒ (Tokaido Shinkansen) ⇒ JR Okayama Station ⇒ (Marine Liner) ⇒ JR Takamatsu Station

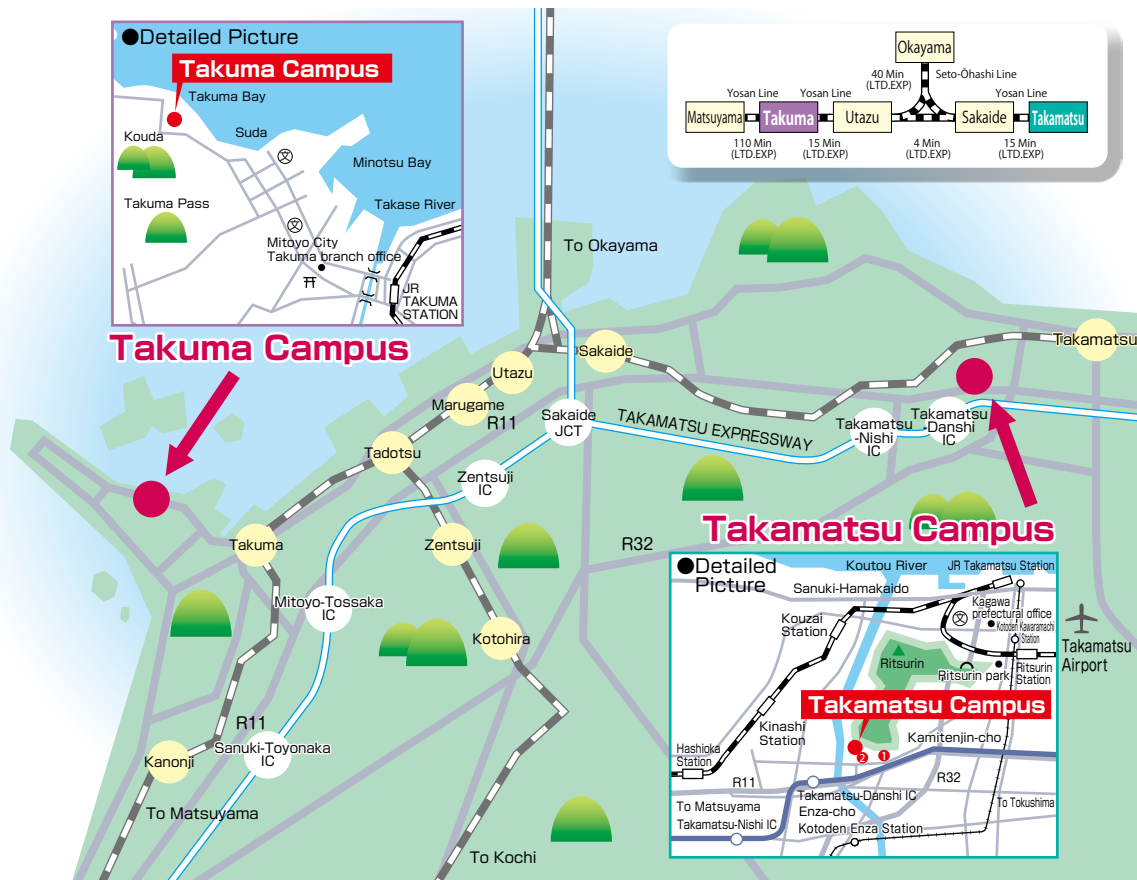
2 Tokyo International Airport(Tokyo) ⇒ (All Nippon Airways , Japan Airlines) ⇒ Takamatsu Airport ⇒ (Limousine Bus) ⇒ JR Takamatsu Station

3 Kansai International Airport(Osaka) ⇒ (Limousine Bus) ⇒ JR Takamatsu Station

4 Kansai International Airport(Osaka) ⇒ (Haruka Express) ⇒ JR Shin-Osaka Station ⇒ (Sanyo Shinkansen) ⇒ JR Okayama Station ⇒ (Marine Liner) ⇒ JR Takamatsu Station

Direct access from Takamatsu Airport or JR Takamatsu Station to NITKC is only 20 minutes by car.

Access Map



Takuma Campus

- **From JR Takuma Station (Yosan Line)**
20 minutes by car
Mitoyo City Community Bus for Nabuto on Takuma line
/for Ohama on Takuma-Mino line
→ 1 minute walk from Kagawa KOSEN mae bus stop
 - **From Takamatsu Expressway IC**
20 minutes by car from Mitoyo-Tossaka IC
30 minutes by car from Sanuki-Toyonaka IC
 - **From Takamatsu Airport**
60 minutes by car
- Address** _____
- 551 Kohda, Takuma-cho, Mitoyo, Kagawa
769-1192 Japan
+81-875-83-8506

Takamatsu Campus

- **From JR Takamatsu Station**
30 minutes by car
Kotoden Bus(No.5 bus stop) for Ritsurin Garden,
Mimaya-Prefecture Swimming Pool → 1 minutes walk
from Kagawa Kosen mae bus stop²
 - 25 minutes by car
Kotoden Bus(No.5 bus stop) for Ritsurin Garden,
Yusa-Iwasaki → 10 minutes walk
from Koyama bus stop¹
 - **From Takamatsu Expressway IC**
7 minutes by car from Takamatsu-Nishi IC
5 minutes by car from Takamatsu-Danshi IC
 - **From Takamatsu Airport**
20 minutes by car
- Address** _____
- 355 Chokushi-cho, Takamatsu, Kagawa
761-8058 Japan
+81-87-869-3811



National Institute of Technology, Kagawa College
[Kagawa KOSEN]

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Takuma Campus	551 Kohda, Takuma-cho, Mitoyo, Kagawa 769-1192 Japan TEL +81-875-83-8506

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