

Message from the President

National Institute of Technology, Kagawa College was established by the incorporation and reorganization of Takamatsu National College of Technology and Takuma National College of Technology both having the long history, on October 1st, 2009. We have seven departments at the General Education Courses and two majors at the Advanced Course. We have improved and advanced the facilities and the equipment for both education and research. We are enhancing the cooperative relationship between Takamatsu Campus and Takuma Campus, and are providing favorable environments for the education. At the General Education Course, we arrange a curriculum composed of liberal education, professional education, and practical technology education for 5 years, to develop highly qualified engineers that have a rich sense of humanity and creativity, with a competency to deal with rapid progress of science and technology and with harmony among intelligence, technology and spirit. Students



can attain as high competency as those at a university by the study for 5 years. Moreover, students can obtain the same degree of bachelor as those who graduate a university by the study for 2 years at the Advanced Course after graduation of the General Education Course.

At Takamatsu Campus, We have Industrial and Systems Engineering Division composed of Department of Mechanical Engineering, Department of Electrical and Computer Engineering, Department of Electro-Mechanical Systems Engineering and Department of Civil Engineering for the General Education Courses. We are cultivating engineers active in the region of creative manufacturing. At Takuma Campus, We have Electronics, Information and Communication Engineering Division composed of Department of Communication Network Engineering, Department of Electronic Systems Engineering, and Department of Information Engineering for the General Education Courses. We are cultivating engineers active in the region of advanced electronics, information and communication. We have Advance Course in Industrial and Systems Engineering at Takamatsu Campus and Advanced Course in Electronics, Information and Communication Engineering at Takuma Campus. At both Advanced Course, We are supplying educations full of intellectual stimulation and international sense, and are enhancing the Science Seminar.

We have Dormitories, Counseling Room and Career Support Center to support students' welfare, study, employment and career shaping through such as internship. We have International Exchange Promotion office to develop international exchange and collaboration in education and research, and Human Resource Development Office to develop local industries and enhance the partnership with them. We are making Academic Exchange Agreements with Overseas Universities, sending students abroad for international internship or student exchange, and promoting Cooperative Research with the Private Sector eagerly. We contribute to the wealth and advancement of our local community as a driving force of intellectual and technological progress.

Both of our campuses' long histories have seen over 20,800 students graduate and secure meaningful employment in the private sector, municipal and prefectural governmental offices, universities, and research institutes. These graduates of the colleges have displayed and exemplified an impressive work ethic and job performance, leading to high praise and evaluations given by employers. We constantly embark on new challenges and develop ourselves, inheriting the excellent traditions.

Masao Tanaka President

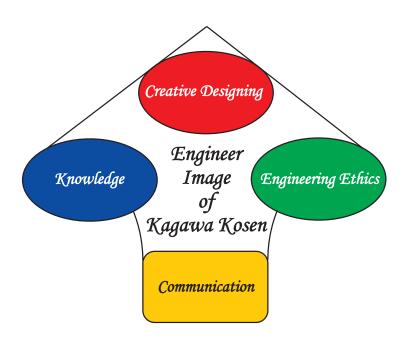
Mission and Educational Goals

- 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.



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History

♦History

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

April, Takamatsu National College of Technology(Takamatsu KOSEN) 1962 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, Takamatsu KOSEN was restructured into four departments: the 1990 Department of Mechanical 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, Takamatsu KOSEN was reorganized and was affiliated with the 2004 Institute of National Colleges of Technology.

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

October,	Kanritsu	Musen	Densin	Koshujo	Osaka	Bran	nch (Nati	onal
1943	School	of Radio	Telecor	nmunicati	ons, Os	saka	Branch)	was
	establish	ed at Yat	a-mura,	Naka-Kaw	achi-gu	ın, Os	aka	

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

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

April, Takuma Denpa KOSEN was restructured into two departments:

1976 the Department of Radio Engineering and the Department of
Electronics

April, Takuma Denpa KOSEN was restructured into three departments:

1980 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, The Department of Radio Engineering was renamed the 1989 Department of Telecommunication Technology.

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).

2004

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 Takama Campus.

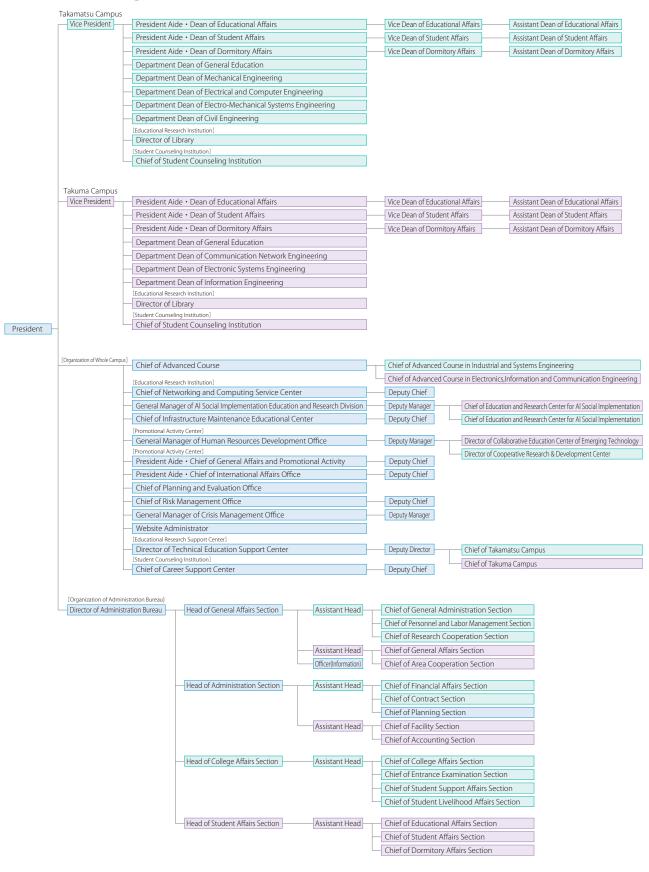
In April, 2014, Dr. Takeshi Yao was appointed as the second president of Kagawa KOSEN.

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

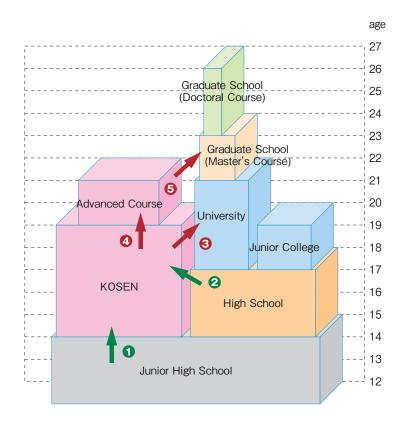
In April, 2021, Dr. Masao Tanaka was appointed as the fourth president of Kagawa KOSEN.

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.
- **6** 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
	OKANO, Hiroshi	Inorganic Materials Chemistry Thin Film Engineering
	TAGUCHI, Jun	History of Educational Thought
Prof.	NAKASE, Mikio	Sports Methodology Coach Methodology
	SAWADA, Isao	Statistical Mechanics Condensed Matter Theory
	HASHIMOTO, Norifumi	Synthetic Organic Chemistry Catalytic Chemistry
	YOSHIZAWA, Kosei	Theory of Sports Training
	KOSHOU, Kiyohiro	Pedagogy English Educarion
Associate	YODA, Jun	European History
Prof.	TOBA, Motoko	English Education Applied Linguistics
SATO, Fumitoshi		Algebraic Geometry
	TOKUNAGA, Shintaro	TESOL, East Asian History
	NOGUCHI, Naoshi	Japanese Literature
Senior	TACHIKAWA, Naoki	Electrochemistry Lithium Battery
Lecturer	KADOWAKI, Dai	Japanese Literature
	KAWAMURA, Masaya	Differential Geometry
	NODA, Kazuto	Condensed Matter Theory
Assistant	MORISHITA, Jiro	American Studies
Prof.	KUWATA, Ken	Mathematical Physics





[Takuma Campus]

Title	Name	Research Field
	MINAMI, Takayuki	Differential Equation Hamiltonian System
	ARIMA, Hirotoshi	Methodology of Coaching
Prof.	FUJIHARA, Nobuhiro	Japanese Literature
	HASHIMOTO, Ryuta	Number Theory Continued Fraction
	UEHARA, Shigenori	Geometric Topology General Topology
	YOKOYAMA, Manabu	Methodology of Sports Training Health Education
Associate Prof.	MORI, Kazunori	English Teaching, CALL
	TAKENAKA, Kazuhiro	Synthetic Organic Chenistry, Organometallic Chemistry
	MORIOKA, Takaaki	Teaching English to Speakers of Other Languages
Senior	MORI, Akane	Clasial Japanese Literature
Lecturer	TAMURA, Masaki	Indian Philosophy Buddhist Studies
	SHIRAHATA, Yasuhiro	Solar Cells, Electrical and Electronic Materials
Assistant	OHASHI, Asuka	Numerical Linear Algebre Numerical Multi-Linear Algebre
Prof.	NAKAZAWA, Takuya	Contemporary history of Yugosiavia Montenegrin Studies

♦Curriculum

Compulsory Subject	Credits
Japanese I-Ⅲ	6
Japanese	2
Society I-II	4
Mathematics I A	2
Mathematics IB	2
Mathematics I C	2
Mathematics ID	2
Mathematics II A	2
Mathematics II B	2
Mathematics II C	2
Mathematics II D	2
Mathematics IIA	2
Mathematics IIB	2
Physics I-II	4
Chemistry I-I	4
Health and Physical Education I-II	6
English I A	2
English IB	2
English IIA	2
English IIB	2
English I IA	2
English I IB	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-II	6
General Chemistry I-II	4
Phyisical 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

Vindin Experiment Fuelines					
	Room	Main Equipment			
Takamatsu Campus	Physics Laboratory	High Vacuum Pump, Spectroscope, Induction Coil			
Takamatsu Campus	Chemical Laboratory	Sputtering System, PH Meter, Draft Chamber with Scrubber			
	Language Laboratory	46 booths, 46 Computers, e-learning			
		Main Equipment			
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			

48 booths, 48 computers, 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
	YAMASAKI, Yojiro	Robotics Motion Control
Prof.	KOJIMA,Takafumi	Thermodynamics Heat Transfer Engineering
	YOSHINAGA, Shinichi	Control Engineering
	JODAI, Yoshifumi	Fluids Engineering
Associate Prof.	TOKUDA, Taro	Strength of Matorials Fracture Mechanics
Senior	KIMURA, Yuto	Moleculae Dynamics
Lecturer	MAEDA, Yusaku	Sensor Engineering
Assistant	TAKATANI, Hideaki	Robotics State Estimation
Prof.	FUJIOKA, Genko	Compasite material, Sensor engineering









♦Curriculum

Classification	Subject	Credits
	Engineering Literacy	2
	Applied Mathematics I	2
	Applied Mathematics II	2
	History of Science and Technology	1
	Intellectual Property	1
	Exercise of Mechanical Engineering I	1
	Exercise of Mechanical Engineering II	1
	Engineering Mechanics I	2
	Strength of Materials I	2
	Strength of Materials II	2
	Thermodynamics	2
	Hydraulics	0
	Mechanical Vibrations	2
	Working Technology	2
0	Machine Element Design I	1
Compulsory	Machine Element Design II	2
	Material Science and Engineering	2
	Electrical Engineering	1
	Control Engineering I	1
	Fundamental Programming	2
	Numerical Methods	2
	Mechanical Design and Drafting I	2
	Mechanical Design and Drafting II	2
	Computer Aided Design and Drafting I	3
	Fundamental of Working Exercise I	3
	Fundamental of Working Exercise II	3
	Fundamental of Working Exercise II	2
	Mechanical Experiment I	3
	Mechanical Experiment II	3
	Graduation Research	8

	Applied Mathematics II	2
	Engineering Mechanics II	2
	Strength of Materials II	2
	Theory of Elasticity	2
	Heat Transfer Engineering	2
	Fluids Dynamics I	2
	Electronics	2
	Computer Engineering	2
	Mechanism	2
	Computational Mechanics	2
	Computer Aided Design and Drafting I	4
	Technical English	2
Elective	Heat Engines	
Liective	Control Engineering II	2
	Fluids Dynamics II	2
	Job Training	1
	Special Lecture I	1
	Special Lecture II	1
	Special Lecture II	
	Special Lecture IV	
	Pre-research Activity I	1
	Pre-research Activity II	1
	Pre-research Activity III	1
	Advanced Programming Training 1	4
	Advanced Programming Training II	4
	Advanced Programming Training II	4

Room	Main Equipment
Workshop Lab.	Ultra-Precision Machine, Wire-Cut EDM Systems, Hobbing Machine, Precision Lathe
Mechanical Measurment 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
Materrial 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, BASIC FA Study Kits, Pocketcomputer Controlled AGV Testing System
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

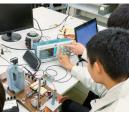
!- Department of Electrical and Computer Engineering

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





♦Curriculum

Classification	Subject	Credits
	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	Λ
	Electromagnetics I	0
0	Electrical Circuits I	0
Compulsory	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 I	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

	Introduction of Semiconductor Physics	2
	Electromagnetics II	2
	Electrical Circuits II	2
	Instrumentation Engineer	2
	Electrical and Electronic Materials	2
	Electronic Circuits II	0
	Electronic Circuits II	2
	Energy Conversion Engineering	_
	Control Engineering	
	Electronic Devices	2
	Communication Engineering	2
	Information and Communication Network	2
	Algorithms	2
	Computer Architecture	2
	Operating System	
Elective	Signal Processing	2
Liective	Information and coding theory	2
	Intelligence Information Processing	2
	Numerical Simulation	2
	Statistical Data Processing	2
	Technical English	
	Job Training	1
	Special Lecture I	1
	Shecial recinie II	1
	Special Lecture III	1
	Special Lecture IV	
	Pre-research Activity I	1
	Pre-research Activity II	1
	Pre-research Activity I I	1
	Advanced Programming Training I	4
	Advanced Programming Training II	4
	Advanced Programming Training II	4





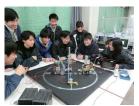
Vindin Experiment Facilities		
Room	Main Equipment	
Measurement Control Lab.	SCR Inverter, Electric Machine Training System, He-Ne Laser, Optical Power	
Electronics and Information Lab.	Curvetracer, Oscilloscope, Logic Analyzer, Microwave Measuring System, Print Board Fabrication System, Optical Communication/Optical 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	

1- 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
	TOKUNAGA, Hidekazu	Conputational Learning Theory Web Mining
Prof.	SOUMA, Takeshi	Energy Engineering Energy Materials
	YURA, Satoshi	Control Engineering Motion Control
Associate	SHIMASAKI, Shin-ichi	Electromagnetic Processing of Materials
Prof.	SHOBAKO, Shinichiro	Welding & Joining Arc Plasma
	ISHII, Kohei	Biomedical Engineering
Senior	TSUMORI, Nobuhiro	Nanophotonics Near-field Optics
Lecturer	YAMASHITA, Tomohiko	High Voltage Engineering, Pulsed Power
Assistant Prof.	KAWAKAMI, Yusuke	Kansei Engineering, Signal Processing
	KADOWAKI, Jun	Soft robot, Pneumatic rubber muscle









♦Curriculum

Classification	Subject	Credits
	Engineering Literacy	2
	Applied Mathematics I	2
	Applied Mathematics II	2
	History of Science and Technology	1
	Intellectual Property	1
	Electromagnetics I	2
	Manufacturing Processes	2
	Fundamental Mechanics	0
	Engineering Materials I	2
	Mechanical Engineering Design	0
	Mechanics of Materials I	2
	Thermal Engineering I	1
Compulsory	Fluid Engineering I	1
Compaisory	Electric and Electronic Circuits I	2
	Information Processing on Basis	2
	Mechatronics I on Basis	0
	Mechatronics II on Basis	3
	Mechatronics II on Basis	3
	Mechatronics System Design	2
	System Control Engineering I	2
	Technical Japanese Rhetoric	1
	Training and Exercise I on MONOZUKURI Basis	3
	Training and Exercise II on MONOZUKURI Basis	3
	Training and Exercise II on MONOZUKURI Basis	2
	Experiment I	4
	Experiment I	4
	Graduation Research	8

		Credits
	Mechanics of Materials II	2
	Engineering Materials II	2
	Thermal Engineering II	2
	Fluid Engineering II	2
	Electric and Electronic Circuits II	2
	Information Processing A	2
	Information Processing B	2
	System Control Engineering II	2
	Mechanical Dynamics	2
	Robotics	2
	Mechanical Instrumentation	2
	Statistical Analysis	2
	Technical English	
Elective	Electromagnetics II	_
	Semiconductor Engineering on Basis	2
	Electronic Instrumentation	2
	Sensor Devices	2
	Job Training	1
	Special Lecture I	1
	Special Lecture II	1
	Special Lecture II	1
	Special Lecture IV	1
	Pre-research Activity I	1
	Pre-research Activity II	1
	Pre-research Activity I I	
	Advanced Programming Training I	4
	Advanced Programming Training II	4
	Advanced Programming Training II	4

Room		
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	

1- 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
	MUKAITANI, Mitsuhiko	Geotechnical Engineering Geoenvironmental Engineering
Prof.	ARAMAKI, Noritaka	Geotechnical Engineering Resource Development Engineering
	MIYAZAKI, Kosuke	Infrastructure Planning Transportation Planning
	TAGAWA, Tadashi	Sanitary Engineering Environmental Engineering
	YANAGAWA, Ryoichi	Coastal Disaster Management Engineering Coastal Ecosystem Engineering
Associate Prof.	HAYASHI, Kazuhiko	Concrete Engineering Maintenance Engineering
	TAKAHASHI, Naoki	Hydraulic Engineering Ecological Engineering
Senior	IMAOKA, Yoshiko	Urban Planning Welfare Engineering
Lecturer	HASEGAWA, Yuki	Concrete Engineering Agricultural Engineering
Assistant Prof.	MATSUMOTO, Masayuki	Earthquake engineering Seismic engineering







♦Curriculum

Classification	Subject	Cradita
Classification		Credits
	Engineering Literacy	2
	Applied Mathematics I	2
	Applied Mathematics II	
	History of Science and Technology	
	Intellectual Property]
	Structural Mechanics I	2
	Structural Mechanics II	2
	Structural Mechanics II	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
Compulsory	Environmental Engineering I	2
,	Environmental Engineering II	1
	Information Processing I	2
	Information Processing I	2
	Surveying I	2
	Planning I	1
	Planning I	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 II	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		Credits
	Structural Design II	2
	Soil Mechanics II	2
	River and Coastal Engineering I	2
	Applied Mechanics	2
	Environmental Engineering II	2
	Environmental Impact Assessment	2
	Information Processing II	2
	Surveying I	
	Disaster Prevention Engineering	2
	Applied Mathematics II	2
E	Technical English	
Elective	Job Training	1
	Special Lecture I	1
	Special Lecture II	1
	Special Lecture II	1
	Pre-research Activity I	i
	Pre-research Activity I	
	Pre-research Δctivity Ⅲ	1
	Advanced Programming Training I	4
	Advanced Programming Training I	4
	Advanced Programming Training II	4 4
	Auvanceu Programming Training II	4

Vindin Experiment rueintes		
Room	Main Equipment	
Structural Engineering Lab.	Static and dynamic loading machine, Beam testing machines, Servo-type 1D82D 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, lon 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
	SAWADA, Shiro	Theoretical Physics
Prof.	INOUE, Tadaaki	Communications Measurement
Pioi.	ISSHIKI, Hiromi	Biomedical Engineering
	ONO, Akira	Telecommunication Electronic Circuit
	MANABE, Katsuya	Electromagnetic Theory Microwave Theory and Techniques
	TAKAJO, Hideyuki	Educational Technology Ubiquitous Computing
Associate	SHOHON, Toshiyuki	Coding Theory Communication Engineering
Prof.	KUMEKAWA, Kazuya	Computer Networks
	SHIRAISHI, Keiichi	Computer Algebra e-Learning
	KAWAKUBO, Takashi	Field Emission Surface Physics







♦Curricu	ulum	
Classification	Subject	Credits
	Applied Mathematics	2
	Probability and Statistics	2
	Applied Physics I	2
	Electric Engineering	2
	Information Processing I	2
	Information Processing I	2
	Digital Circuits I	2
	Electric Circuits I	2
	Electric Circuits II	2
	Electric CircuitsA	2
	Electromagnetics I	2
	Electromagnetics II	2
Compulsory	Electronic Circuits I	2
Compaisory	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	
	Experiments in Communication Engineering I	4
	Experiments in Communication Engineering II	4
	Graduation Research	8
	Applied Physics II	2
	Information Processing II	2
	Electric and Electronic Measurements II	2
	Wireless Communication Engineering I	2
	Antennas and Propagation I	5
	Antennas and Propagation II	2
	Communication SystemA	5
	Communication SystemB	
	Tlecommunications Law I	2
	Tlecommunications Law II Computer Networks I	2
	Computer Networks I Computer Networks II	2
	Information Theory	2
	Seminar on Radio Engineering	2
	Data Communications	۰۰۰۰۰۰
	Optoelectronics	2
Elective	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	ı
	Research Fundamentals II	1
	Research FundamentalsⅢ	i
	Al I	1
	AI II]
	AI II	
	AI IV	

Room	Main Equipment
Electromagnetic Anechoic Chamber	EMI(Electromagnetic Interference)Receiver, CVCF(Constant-voltage Constant-Frequency)Power Supply, BiLog 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

1- 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	
	NAGAOKA, Shiro	Integrated Circuits	
Prof.	MISAKI, Yukinori	Robot Engineering	
	YAGI, Masakazu	Solid State Physics	
	TSUKIMOTO, Isao	Electronic Circuits	
Associate	MIKAWA, Michio	Solid State Physics	
Prof.	JOHNSTON, Robert Weston	Computer Science	
	MORIMUNE, Taichiro	Solid State Physics	
	SHIMIZU, Tomo	Semiconductor Devices	
Senior Lecturer	IWAMOTO, Naoya	Semiconductor Devices	
	ONISHI, Akinari	Assistive Technology	
Assistant Prof.			



Robot Manufacture Experiment using MINDSTORMS



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





♦Curricu	ılum	
Classification	Subject	Credits
	Applied Mathematics	2
	Probability and Statistics	2
	Applied Physics I	2
	Electric Engineering	2
	Electric Circuits I	
	Electric Circuits II	<u>-</u>
	Fundamental Electric Circuits	4
	Electromagnetics I	
	Electromagnetics I	
	Electronics	······
	E O:	
	Electronic Circuits I	
	Electronic Circuits I	
	Semiconductor Electronics	
Compulsory	Semiconductor Device Engineering	2
	Digital Circuits I	2
	Digital Circuits II	2
	Elecronic Measurements	2
	Control Engineering I	2
	Information Processing I	2
	Information Processing I	2
	Electronic Systems Engineering Seminar	4
	Fundamental Engineering Exercises	2
	Creative Experiments and Practices	4
	Experiments and Practices	2
	Experiments in Elecrtonic Engineering	4
	Experiments in Electronic Engineering I	4
	Experiments in Electronic Engineering I	4
	Graduation Research	8
		<u>0</u>
	Applied Physics II	2
	Electric CircuitsII	
	Solid State Physics	
	Optoelectronics	2
	Electrical and Electronic Materials	
	Control Engineering II	
	Robot Engineering	
	Sensor Electronics	2
	Special Lecture in Electronic Systems Engineering	2
	Information System	2
	Communication SystemA	2
	Information Processing II	2
	Data Communications	2
	Image Processing Technology	2
Elective	System Engineering	<u>-</u>
	Internship	<u></u>
	Special Lectures I	i
	0	
	Special Lectures II	1
	Pre-research Activity I	
	Pre-research Activity II	
	Pre-research Activity II	
	Research Fundamentals I	
	Research Fundamentals II	
	Research Fundamentals II	1
	Al I	1
	Al II	1
	Al II	1
	Al IV	1

V Main Experiment racinges			
Room	Main Equipment		
Common Lab.	Liquid Crysta, 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 Yieid Spectroscopy, UV-VIS NIR Spectrophotometer, Organic Thin Film Deposition Apparatus, Spectroscopic Reflectometer,		
Circuit Design Lab.	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 Depositon System, Sputtering Apparatus, Hall Effect Measurement System, X-ray Diffraction Equipment		
Plasma Sinering Lab.	Spark Plasma Sinering 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
	MIYATAKE, Akiyoshi	Educational System Engineering
Prof.	TOKUNAGA, Shuichi	Image Processing
	KANAZAWA, Keizo	Image Processing
	KAWATA, Jun	Plasma Surface Interaction
	KONDOH, Yuji	Computer Algebra
Associate	OKUYAMA, Shingo	Algebraic Topology
Prof.	KAWAZOME, Hayato	Plasma Spectroscopy
	SASAYAMA, Manabu	Information Retrieval Machine Translation
	TANIGUCHI, Yasutaka	Theoretical Nuclear Physics
Assistant Prof.	MIYAZAKI, Takahiro	Remote Sensing

♦Curriculum

Classification	Subject	Cre	dits
	Applied Mathematics	2	
	Probability and Statistics	2)
	Applied Physics I	2	
	Electric Engineering	2	
	Electric Circuits I	.	·
	F1	2	·
	D: 0 10: 0 1		
	Digital Circuits I Digital Circuits II		·
		5	·
	Information Engineering		
	Computer Architecture Information Processing I		
	1-4t' D		
0	Information Processing I		
Compulsory	Software Design and Development		ļ
	Communicaion Theory		<u>.</u>
	Data Structures and Algorithms		
	Compiler	2	
	Seminar on Information Engineering	6	
	Fundamental Engineering Exercises		
	Information Engineering Exercises	2	
	Creative Experiments and Practices		ļ
	Experiments and Practices		
	Experiments in Information Engineering		
	Experiments in Information Engineering I	∠	
	Experiments in Information Engineering II		
	Graduation Research	8	
	Applied Physics I	2	
	Mathematics for Information Science		
	Numerical Analysis	2)
	Electromagnetics	2)
	Semiconductor Electronics	2	
	System Engineering	2)
	System Programming	2)
	System Software	2) -
	Infromation System	2) -
	Artificial Intelligence I	2	
	Artificial Intelligence II	2) -
	Digital Image Processing	2) -
Elective	Database Management System	2	
	Computer Networks I	2	<u>-</u>
	Computer Networks II	2	2
	Information Security	2	2
	Internship	1	
	Special Lectures I	1	
	Special Lectures II	1	
	Pre-research Activity I	1	
	Pre-research Activity II	1	
	Pre-research Activity I I	1	
	Research Fundamentals I	1	
	Research Fundamentals II	1	
	Research Fundamentals II	1	
	Al I	1	
	AI II	1	
	AI II	1	
	AI IV	1	









V man Experiment ac	
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 Lac.	203.2cm diagonal screen size Integrated Touch Display
Reference Room	Al 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
iberal Arts	Compulsory	Management Theory TOEIC Preparation	2
Libera	Elective	Jurisprudence Reading of Literary works	2
	Compulsory	Engineer Ethics Topics in Mathematics I	2
Engineering Basic	Elective	Modern Physics Intellectual Property Rights English for Technical Purpose Topics in Mathematics II Physical Chemistry Analytical Chemistry Applied Physics Overseas English Program	2 2 2 2 2 2
Core Eng. Subjects	Compulsory	Experiments and Practicals I Experiments and Practicals II Thesis Research I Thesis Research II Seminar I Seminar II	2 6 10 2
	Elective	Special Lectures Internship I Internship II Internship III Internship III Internship III Internship IV	1







- 01	assilication	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	2 2 2 2
Eng. Subjects of EC Course	Elective	Electromagnetic Compatibility Modern Control Theory Energy Conversion Engineering Project Management Theory Solid State Electronics Integrated Circuits Semiconductor Physics Power Electronics Information and Communication Engineering Microwave Engineering Digital Signal Processing Knowledge Computing Image Processing Engineering	0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.
Eng. Subjects of MS Course.	Elective	Advanced Heat Transfer Advanced Dynamics Optimization Theory Advanced Computer Processing Advanced Joining Technologies Advanced Energy Engineering Advanced Control Engineering I Advanced Control Engineering II Mechatronics	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Eng. Subjects of CV Course	Elective	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	\(\text{\tint{\text{\tint{\text{\tint{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex

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
Æ	Compulsory	Communicative English I	2
iberal Arts		Communicative English II	2
Ë	Elective	Advanced Japanese Literature	2
.0	Compulsory	Engineer Ethics	2
Basic	Elective	Advanced Physical Science	2
		Topics Applied Mathematics	2
Engineering		Intellectual Property	2
		English for Engineers	2
		Engineering Mathematics	2

	assilication		Credits
		Thesis Research I	6
	Compulsory	Thesis Research II	4
	Compulsory	Experiments and Exercise I	4
		Experiments and Exercise II	6
		Quantum Mechanics	2
		Introduction to Information Technology	2
		Digital Signal Processing	2
		Applied Electromagnetics	0
		Graph Theory	2
		Information Networks	2
ία		Specialized Electronic Circuits	2
act		Industrial Instrument Engineering	2
Common Special Subjects		System Control Engineering	2
ଉ		Algorithms and Data Structures	2
ö.		Multi-Media Engineering	2
De		Image Processing	2
S	Elective	Special Lectures	2
ē	Liootivo	Communication Engineering	2
Ē		Radio and Light Wave Engineering	2
ပိ		Optical Communications	0
		Specialized Radio Engineering	
		Applied Solid State Physics	
		Integrated Electronics	2
		Digital Control Engineering	
		Object Oriented Programming	2
		Applied Network Programming	2
		Database Design	2
		Internship I	1
		Internship I	2
		Internship II	4
		Internship IV	6



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



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



n international conference MJIC202

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 (DNUI)	China	Dec. 2018
National Cheng Kung University (NCKU)	Taiwan (R.O.C.)	Mar. 2021

♦ Organization of International Symposiums/Seminar (2015-2022)

- "International Conference on Nanoscience & Nanotechnology" Feb. 2014-2018, Mar. 2019, 2022 and April 2021
- "International Seminar on Electronics Engineering and NANO Technology", Mar. 2017
- 🔆 "International Conference on Creativity, Inovation, and Invention on Digital Technology(CIIDT)", Dec 2018
- ♦ "NIT-NUU Bilateral Academic Conference.", Sep. 2019, and Sep. 2021

♦ International Exchange and Academic Activities by Faculties and Students (2015-2022)

- ♦ 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)

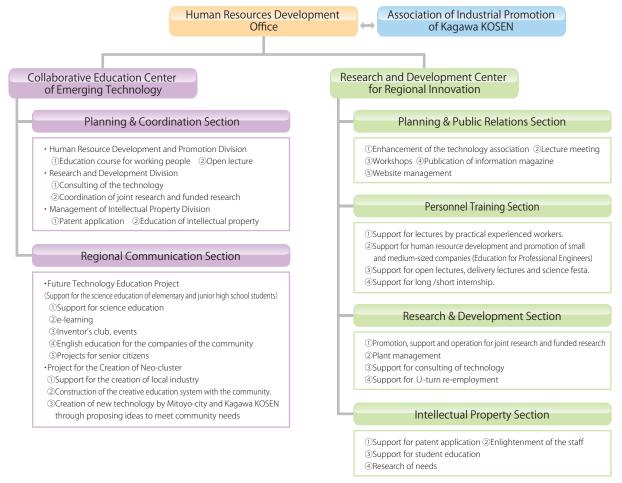
♦ International Students at NITKC

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

Country School Year	Bangladesh	Brazil	Cambodia	China	Colombia	India	Indonesia	Kenya	Korea	Lao PDR	Malaysia	Mongolia	Philippines	Sri Lanka	Thailand	Uganda	Viet Nam	Pakistan	Madagascar	Total
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
2015									(2)	1		1						1		5
1985~2014	7	1	4	5	1	1	13	1	2	8	72	6	9	7	10	2	11			160
Total	7	1	5	5	1	1	14	1	5	10	83	15	9	7	13	2	11	1	1	192

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

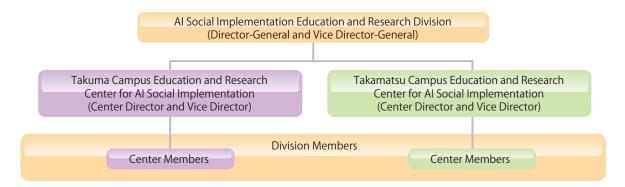
Purpose:

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:

- 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.
- Department of the Intellectual Property
 Management and education of Intellectual Property in coalition for KOSENs in Shikoku-area.
- Department of coalition for KOSENs in Shikoku-area.
 Other activities to achieve the purpose of the center.

Al 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 Al; 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 Al 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 Al 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 Al Social Implementation" to promote Al education and social implementation on each campus.

*The Mitoyo Al 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.

Al Social Implementation Education	Director-General	MISAKI, Yukinori (Professor, Department of Electronic Systems Engineering)
and Research Division	Vice Director-General	TOKUNAGA, Hidekazu (Professor, Department of Electro-Mechanical Systems Engineering)
Takuma Campus Education and Research	Center Director	MISAKI, Yukinori (Professor, Department of Electronic Systems Engineering)
Center for Al Social Implementation	Center Vice Director	IWAMOTO, Naoya (Senior Lecturer, Department of Electronic Systems Engineering)
Takamatsu Campus Education and Research	Center Director	TOKUNAGA, Hidekazu (Professor, Department of Electro-Mechanical Systems Engineering)
Center for Al Social Implementation	Center Vice Director	MURAKAMI, Yukikazu (Associate Professor, Department of Electrical and Computer 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. Kagawa Kosen builds the basis for the recurrent education in community in collaboration with Maizuru Kosen, Fukushima Kosen, Nagaoka Kosen and Fukui Konsen.

Organizational chart

(Central core for the recurrent education) Maizuru Kosen

(Basis for the recurrent education)

Fukushima Kosen

Nagaoka Kosen Fukui Kosen

Kagawa Kosen

iMec Kagawa

Vice Director

Director

Members

Facilities

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



Overview of the space



einforced 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	IRIE, Masaki (Program-Specific Teacher)
Mambars	HASEGAWA, Yuki (Senior Lecturer, Civil Engineering Department)
Wellibers	MATSUMOTO, Masayuki (Assistant Professor, Civil Engineering Department)

Research

Grants-in-Aid for Scientific Research

A feasibility study on introduction of stock-management system to irrigation facilities in Vietnam

Audio Augmented Reality and Extension of Audio Communication Ability Based on Small Data Machine Learning Theory

Elucidation of the effect of adding trace amounts of oxygen in decomposition of polymers using hydrogen radicals

Study on a fishway design suitable for the upstream migration for reproduction of the endangered loach (Parabotia curtus) in paddy field areas

Identification of missing data mechanisms peculiar to software development data

Development of a Bunraku Robot which can be Operated by One Person

Development of Zero Liquid and Waste Discharge Treatment for Dye Factory Wastewater by Biological and Coagulation Process

Development of high durable reinforcing method of old embankment for heavy rainfall and earthquake

Estimation of the quantitative effect of sea cultivation aimed at dissapearnce of nutritional insuffiency at shallow water area

A Study of children mobility from the perspective of Children Independent Mobility (CIM) and traffic safety

Development of Co-operative Robot for Flexible Manufacturing System Satisfying both High-productivity and 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

Moduli of representations and related topics (4)

Research on High-reliable Cooperative Operation for Multiple-Mobile-Robot System using Blockchain and Distributed learning

Research on BMI operation screen that can control autonomous wheelchair more freely

A generalization of the Monge-Ampere equation to almost complex geometry and its new potential applications

Computing an arbitrary singular value of a large tensor sum

 $Mathematical\ Deepening\ of\ Audio\ Source\ Separation\ Based\ on\ Independence\ and\ Amplitude/Phase\ Modeling\ and\ Development\ of\ Multimodal\ Hearing-Aid\ system$

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 nanotech 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

14 another research study, Number of Research Studies 44, Total Funds 50,036,000Yen

>Commissioned Research

A Collaboration Project between Mitoyo City and The National Institute of Technology, Kagawa College

In stall at ion test of a portable fishway for the upstream migration of Oncorhynchus keta and Oncorhynchus gorbuscha

1 another research study, Number of Research Studies 3, Total Funds 2,129,400Yen

\diamondsuit Cooperative Research with Private Sector

Development of High-Performance Lead-Acid Batteries

Extraction Technology of Metal from Abandoned Coated Wires

Formation of fine structure by atmospheric pressure plasma and examination of oil and water repellency

Feasibility of industrial methane production in the subsurface environment via microbial activities

On Share Cyber Security Information

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

Research on image processing techniques using deep learning

Research on improving the accuracy of various sensors using Al

Study of Fluorine Treatment Technology

Study on development of wireless river monitoring system

Study on durability life prediction method of cable conductor/shield wire for moving parts.

Development of RFID antenna at 920MHz band

A Study on Anomaly Detection by Image Classification Algorithm in Thermal Power Plants

The basic study on various conditions which influenced by damaged small earth dams

The study on crash performances test of precast concrete bollard foundation comparing the basic coding type and the improved one

16 another research studies, Number of Research Studies 31, Total Funds 7,251,000Yen

Other Competitive Funds and Grants

Wearable sensors without skin-contact: development of the sensor element to detect micro-strain of fingernails

Development of a portable fishway system applicable to weirs

Disaster prevention of houses near the pond's dike and visualization by AI technology

Application of environmentally friendly polymer decomposition technology using H2/O2 mixed gas to chemical recycling technology

Construction of the environment of upstream migration for the endangered loach (Parabotia curtus) using a portable fishway

A seismic performances of the bollard with precast concrete footing which is collided by car

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

Development of Low Constraint Support Mechanism Using of McKibben Type Artificial Rubber Muscle Capable of Hand-pulling Motion

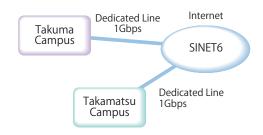
8 another research studies, Number of Research Studies 13, Total Funds 18,174,000 Yen

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

OTakuma Campus

Automatically-recoverable computers are installed in Second Seminar Room, Cyber Lab, Advanced Information Lab, and Multimedia Learning Lab, and are used for education on computer literacy and academic research. All of the students can take advantage of the Internet using e-mail and WWW.



Takuma Campus Second Seminar Room

♦ 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: RF magnetron sputtering system; Plasma CVD; Vacuum evaporation system; Electron beam lithography system; X-ray diffraction system for thin-film crystalline analysis; Scanning electron microscope; Surface profiler; General-purpose FEM analyzer; X-ray fluorescence spectrometer; X-ray diffractometer; Scanning probe microscope; Ellipsometer; Absorption spectrophotometer; Scratching tester.



Scanning Electron Microscope



Digital Microscope

Students

■Number of Students

○Department

	Classification	Admission			nrollment			Total
	Classification	Capacity	1st	2nd	3rd	4th	5th	TULAI
	Department of Mechanical Engineering	40	43(2)	40(1)	38(1)	38(3)	47(1)	206(8)
	Department of Electrical and Computer Engineering	40	41 (8)	44(3)	42(4)	45(6)	36(3)	208 (24)
nts	Department of Electro-Mechanical Systems Engineering	40	43(4)	40(1)	44(2)	39(4)[1]	38(1)[1]	204(12)[2]
l e	Department of Civil Engineering	40	41 (12)	43(10)	40(11)[1]	40(7)[1]	44(9)	208(49)[2]
at	Department of Communication Network Engineering	40	43(8)	39(11)	40(8)[1]	37(7)	38(11)[1]	197(45)[2]
ер	Department of Electronic Systems Engineering	40	43(6)	40(1)	43(4)	44(4)	35(6)	205(21)
	Department of Information Engineering	40	43(8)	44(5)	46(14)	43(8)	38(8)	214(43)
	Total	280	297(48)	290 (32)	293(44)[2]	286(39)[2]	276(39)[2]	1,442(202)[6]

\rightarrow Faculty of Advanced Engineering

	Classification	Admission	Enrolln	Total	
	Classification	Capacity	1st	2nd	Total
Se	Advanced Course in Industrial and Systems Engineering	24	27(2)	32(4)	59(6)
one	Advanced Course in Electronics,Information and Communication Engineering	18	19(1)	18(2)	37(3)
ŏ	Total	42	46(3)	50(6)	96(9)

] Overseas Students As of May. 1, 2023

■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

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

\Diamond Societies

Calligraphy Society Painting Society Cheer Team Photograph Society Literature Society SPOT 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(9n³), 2 private rooms(13.5n³), 1 shared room with 2 beds etc(24n³), 1 shared room with 2 beds etc(13.5n³)
- North Dormitory 3-story building 29 private rooms(11m²), 1 private rooms(15m²), 24 shared room with 2 beds etc(15m²)
- West Dormitory 3-story building 23 private rooms(10m²), 8 shared room with 2 beds etc(15m²)
- International Dormitory 3-story building 70 private rooms(7m²)
- 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	38(5)	28(5)	28(5) (1)	18(1) (1)	25(4) (1)	0(0)	137(20)(3)







West 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 Second and Third Block in Shippo-ryo, while female students use Fourth Block in Shiun-ryo.

As of May 1, 2023

- Shippo-ryo (Takuma Campus) Dormitory 2: 4-story building 26 private rooms(13.5m²), 9 shared room with 2 beds etc(27m²) Dormitory 3: 5-story building 46 private rooms(9m²), 69 shared room with 2 beds etc(18m²)
- Shiun-ryo (Takuma Campus) Dormitory 4: 5-story building 12 private rooms(9m), 38 shared room with 2 beds etc(18m)
- ©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	47(13)	42(5)	47(7) (1)	41 (8)	30(6)(1)	10(0)	217(39) (2)

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





Shippo-ryo & Shiun-ryo

Canteen

After Graduation

■ Employment or Academic Situation

As of Aplil. 1, 2023

♦Takamatsu Campus

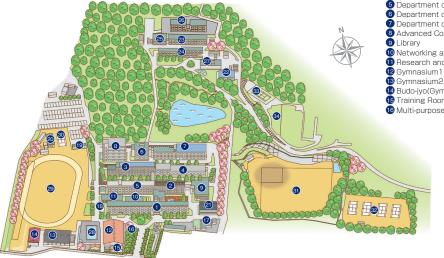
	Classification	Number of Graduates	Number of the Students who Further their Education	Number of Employed	Number of the Other	Job Offered Companies
nts	Department of Mechanical Engineering	40	13	27	0	
l me	Department of Electrical and Computer Engineering	37	21	11	5	
part	Department of Electro-Mechanical Systems Engineering	34	14	20	0	835
B	Department of Civil Engineering	40	14	24	2	
	Total	151	62	82	7	
Course	Advanced Course in Industrial and Systems Engineering	28	9	19	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
ants	Department of Communication Network Engineering	34	10	22	2	
artme	Department of Electronic Systems Engineering	33	10	22	1	611
Depai	Department of Information Engineering	39	19	18	2	611
	Total	106	39	62	5	
Course	Advanced Course in Electronics, Information and Communication Engineering	18	2	13	3	

Campus Map

- Takamatsu Campus



- Administration and Department of General Education
 Department of General Education
 Department of Mechanical Engineering

- 4 Machine Shop
- Department of Electrical and Computer Engineering
 Department of Electro-Mechanical Systems Engineering
- Department of Civil Engineering and Lecture Rooms
- 8 Advanced Course
- Networking and Computing Service Center
 Research and Development Center for Regional Innovation

- Budo-jyo(Gymnasium for Martial Arts)
 Training Room for Sports
- 16 Multi-purpose Space
 - Meeting Place for the Staff

 - Clubrooms①
 Clubrooms②
 Wind Tunnel Laboratory
 Jikyo-kaikan(Welfare Facilities)
 - Wakei-kan(Site of a Training Camp)
 - Seiun-ryo(North Dormitory)Seiun-ryo(South Dormitory)

 - Seiun-ryo(Double Dormitory)
 Seiun-ryo(Mest Dormitory)
 Seiun-ryo(International Dormitory)
 Seiun-ryo(Dining Hall of Dormitory)
 Swimming Pool
 Athletic Field
 Handball Court

 - Handball Court
 Baseball Field
 Tennis Courts
 Tennis Court
 Practical training facility for infrastructures

- Takuma Campus

- 1 Administration Building 2 Faculty Building 1
- 3 Faculty Building2
 4 Faculty Building3
- 5 Multimedia Building 6 Advanced Course Building
- Lecture Building 1
- 8 Lecture Building2
- Library·Student·Affairs·Career·Support·Nurse Station
 Dormitory Administration
- Shippo-ryo@(Dormitory)
- Shippo-ryo③(Dormitory) 13 Shiun-ryo(Dormitory)
- 14 East Dormitory
 15 West Dormitory
- 6 Boiler Room of Dormitory
 Warehouse for Dormitory
- 18 Bathhouse for Dormitory 19 Gymnasium 1 20 Gymnasium2

- Martial Arts Gymnasium
 Reserve Student Building
- Warehouse for Physical Education
 Building for the Swimming Pool
- Student Commons Building
 Reserve Faculty Building
- 7 Museum of Technology Guard's Room Garage
- Mousing for the Staff
 Swimming Pool
- Baseball-Soccer Field
- 3 Athletic Field Tennis Courts

Accounting

◇Revenue and Expenditure (2022)

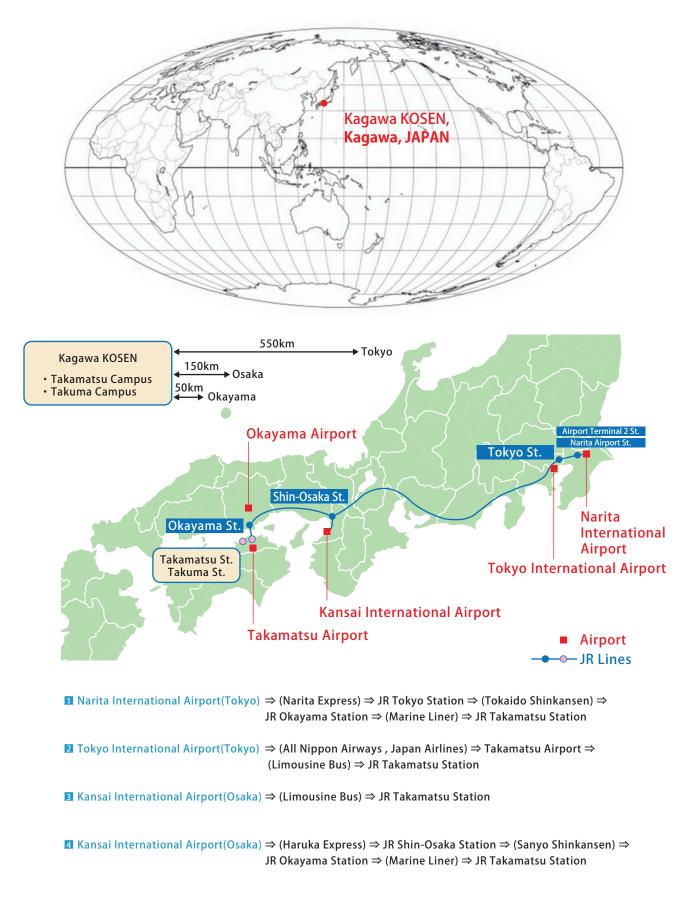
Revenue (a monetary unit: 1,000yen)

	Grant for working Expenditure	105,208
	Facilities Improvement Expenses	520,527
	Self-Revenue	
	Tuition and Entrance Examination Fee	391,027
	Miscellaneous Revenue	7,463
	Industry-University Cooperation Research Revenue and Donation	53,400
	Other Subsidy	142,727
	Total	1,220,352

Expenditure (a monetary unit: 1,000yen)

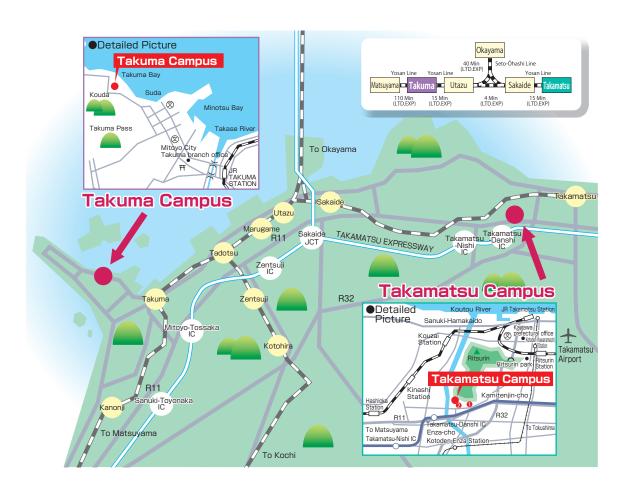
Educatioal Research Expenses	457,738
General Administrative Expenses	54,556
Facilities Improvement Expenses	520,527
Industry-University Cooperation Research and Donation Project Expenses	35,087
Other Subsidy	141,958
Total	1,209,866

Access from International Airports to Kagawa KOSEN



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

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 stop 2

25 minutes by car

Kotoden Bus(No.5 bus stop) for Yusa-Iwasaki, Yusa-Ikenishi or Ikenishi-Konanrakuyu→ 10 minutes walk from Koyama bus stop 10

■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





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