



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 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

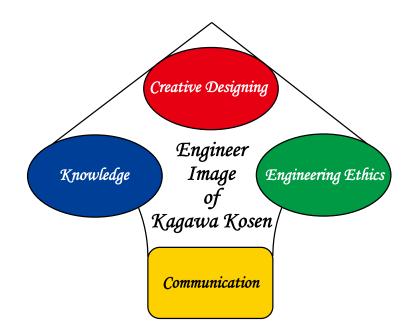
Mission of National Institute of Technology, Kagawa College : NITKC (Kagawa KOSEN)

- 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:

- \diamond 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.
- \diamond 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.
- \diamond To develop the students' intellect, as well as communication skills, in order to prepare them for international career paths.



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♦ 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 Department of Mechanical Engineering, the Departments: the 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, 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 KOSENOctober, Kanritsu Musen Densin Koshujo Osaka Branch (National1943School of Radio Telecommunications, Osaka Branch) was
established at Yata-mura, Naka-Kawachi-gun, OsakaApril,Kanritsu Musen Densin Koshujo Osaka Branch was renamed
Kanritsu Osaka Musen Densin Koshujo (Osaka National School
of Radio Telecommunications).April,Kanritsu Osaka Musen Densin Koshujo was relocated in

- 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 Badio 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:
 the Department of Engineering, the Department of Electronics and the Department of Information Engineering.
- April,
 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.

April, Takuma Denpa KOSEN was reorganized and was affiliated with 2004 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.

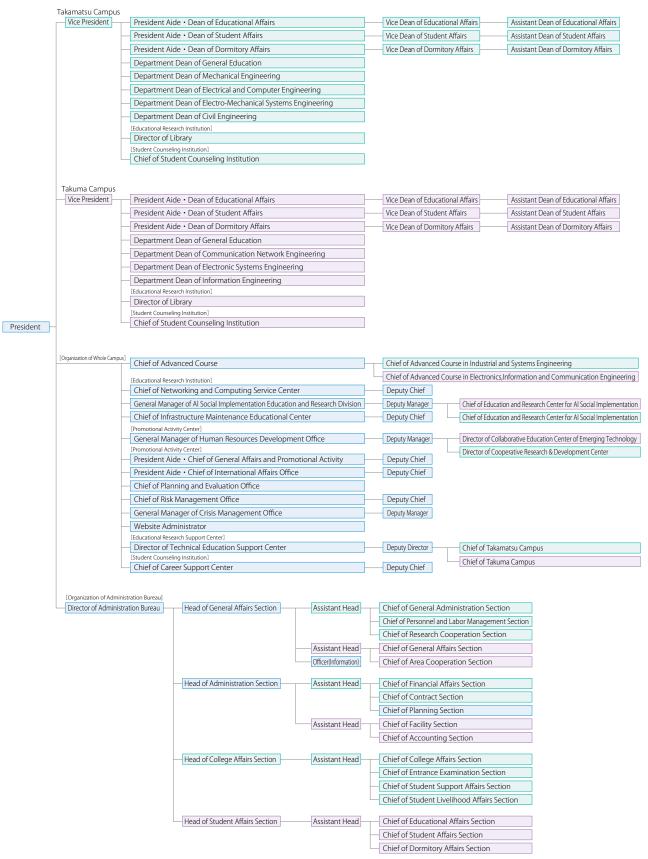
In April, 2014, Dr. Takeshi Yao was appointed as the second president of Kagawa KOSEN.

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

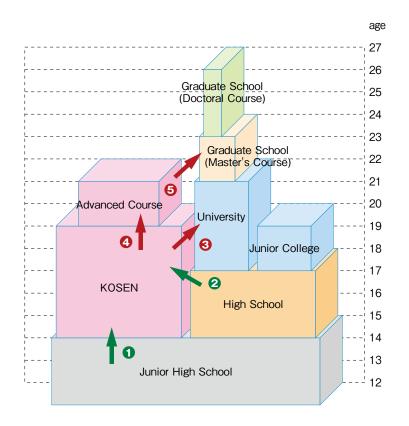
In April, 2021, Dr. Masao Tanaka was appointed as the fourth president of Kagawa KOSEN.

Organization

Ochart of Organization



School System of Japan



- 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.
- **6** 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
	TAKAHASHI, Hiroaki	Topology Mathematical Physics
	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



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
	ARIMA, Hirotoshi	Methodology of Coaching
1101.	FUJIHARA, Nobuhiro	Japanese Literature
	HASHIMOTO, Ryuta	Number Theory Continued Fraction
	UEHARA, Shigenori	Geometric Topology General Topology
Associate	YOKOYAMA, Manabu	Methodology of Sports Training Health Education
Prof.	MORI, Kazunori	English Teaching, CALL
	TAKENAKA, Kazuhiro	Synthetic Organic Chenistry, Organometallic Chemistry
	MORIOKA, Takaaki	Teaching English to Speakers of Other Languages
Senior Lecturer	MORI, Akane	Clasial Japanese Literature
	TAMURA, Masaki	Indian Philosophy Buddhist Studies
	SHIRAHATA, Yasuhiro	Solar Cells, Electrical and Electronic Materials
Assistant Prof.	OHASHI, Asuka	Numerical Linear Algebre Numerical Multi-Linear Algebre
	NAKAZAWA, Takuya	Contemporary history of Yugoslavia Montenegrin Studies

♦Curriculum

Compulsory Subject	Credits
Japanese I-II	6
Japanese	2
Society I-I	4
Mathematics I A	2
Mathematics I B	2
Mathematics IC	2
Mathematics ID	2
Mathematics IA	2
Mathematics IIB	2
Mathematics IIC	2
Mathematics ID	2
Mathematics IIA	2
Mathematics IIB	2
Physics I-I	4
Chemistry I-I	4
Health and Physical Education I-II	6
English I A	2
English I B	2
English IA	2
English IIB	2
English IIA	2
English IIB	2
Communication & Expression I-I	4
Art	2



Department of General Education in Spring



Collaborative Learning

[Takamatsu Campus]

Elective Subject	Credits
Literature I	2
Human Science I-II	6
Social Science I-I	6
General Chemistry I-I	4
Phyisical Education I-I	2
English NA	2
English NB	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, I	4
English for Specific Purposes I, I	4
Chinese I, I	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
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
Takunia Campus	Chemistry Laboratory	Ultra Pure Water Production System, Draft Chamber with Scrubber, Drying Oven
	Multimedia Learning Laboratory	48 booths, 48 computers, e-learning

- 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
	KIHARA, Shigefumi	Applied Mechanics
	YAMASAKI, Yojiro	Robotics Motion Control
Prof.	KOJIMA,Takafumi	Thermodynamics Heat Transfer Engineering
	YOSHINAGA, Shinichi	Control Engineering
	JODAI, Yoshifumi	Fluids Engineering
Associate	TOKUDA, Taro	Strength of Matcrials Fracture Mechanics
Prof.	TAKAHASHI, Yoichi	Precision Machining Forming Processes
Senior Lecturer	KIMURA, Yuto	Moleculae Dynamics
	MAEDA, Yusaku	Sensor Engineering
Assistant Prof.	TAKATANI, Hideaki	Robotics



ending Test of Metallic Materals



◇Curriculum

Classification	Subject	Credits
	Engineering Literacy	2
	Applied Mathematics I	0
	Applied Mathematics I	2
	History of Science and Technology	1
	Intellectual Property	1
	Exercise of Mechanical Engineering I	1
	Exercise of Mechanical Engineering I	1
	Engineering Mechanics I	2
	Strength of Materials I	2
	Strength of Materials I	2
	Thermodynamics	2
	Hydraulics	
	Mechanical Vibrations	~
	Working Technology	~
ampulaan	Machine Element Design I	1
ompulsory	Machine Element Design I	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 I	2
	Computer Aided Design and Drafting I	З
	Fundamental of Working Exercise I	З
	Fundamental of Working Exercise II	3
	Fundamental of Working Exercise II	2
	Mechanical Experiment I	З
	Mechanical Experiment II	3
	Graduation Research	8

	Applied Mathematics II	2
	Engineering Mechanics I	2
	Strength of Materials II	2
	Theory of Elasticity	2
	Heat Transfer Engineering	2
	Fluids Dynamics I	~
	Electronics	2
	Computer Engineering	2
	Mechanism	0
	Computational Mechanics	2
	Computer Aided Design and Drafting I	
	Technical English	2
Elective	Heat Engines	2
Elective	Control Engineering I	2
	Fluids Dynamics I	2
	Job Training	
	Special Lecture I	1
	Special Lecture II	1
	Special Lecture II	1
	Special Lecture IV	
	Pre-research Activity I	1
	Pre-research Activity I	1
	Pre-research Activity II	1
	Advanced Programming Training I	4
	Advanced Programming Training I	4
	Advanced Programming Training II	4





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 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
	SHIKAMA, Tomokazu	Semiconductor Physics Thin Films Engineering
Prof.	SHIGETA, Kazuhiro	Information and Communication Engineering Educational Technology
1101.	TUJI, Masatoshi	Electronic Circuit Microwave Engineering
	URUSHIHARA, Shiro	Motion Control Control Engineering
	MURAKAMI, Yukikazu	Educational Technology
Associate 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

	Subject	Credits	Classification		
	Engineering Literacy	2		Introduction of Semiconductor Physics	
	Applied Mathematics I	2		Electromagnetics I	
	Applied Mathematics I	2		Electrical Circuits I	
	History of Science and Technology	1		Instrumentation Engineer	
	Intellectual Property	1		Electrical and Electronic Materials	
	Fundamentals of Electrical and Computer Science I	4		Electronic Circuits II	
	Fundamentals of Electrical and Computer Science II	4		Electronic Circuits II	
	Fundamentals of Electricity	4		Energy Conversion Engineering	
	Fundamentals of Electronics	4		Control Engineering	
	Electromagnetics I	2	Elective	Electronic Devices	
0	Electrical Circuits I	2		Communication Engineering	
Compulsory	Logic Circuits	2		Information and Communication Network	
	Fundamentals of Information Processing	4		Algorithms	
	Electronic Circuits I	1		Computer Architecture	
	Information Mathematics	1		Operating System	
	Creative Engineering Experiment Training I	2		Signal Processing	
	Creative Engineering Experiment Training I	4	Elective	Information and coding theory	
	Experiments on Electrical and Computer Science I	4		Intelligence Information Processing	
	Experiments on Electrical and Computer Science II	4		Numerical Simulation	
	Applied Experiments on Electrical and Computer Science	4		Statistical Data Processing	
	Graduation Research	8		Technical English	
	Design of Circuits	2		Job Training	
				Special Lecture I	
				Special Lecture II	
				Special Lecture II	
				Special Leature W	

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

redits

esentation 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.	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

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.	SOGO, Hiroyuki	Kinematics Robotics
	TOKUNAGA, Hidekazu	Conputational Learning Theory Web Mining
	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 Lecturer	TSUMORI, Nobuhiro	Nanophotonics Near-field Optics
	KAWAKAMI, Yusuke	Kansei Engineering, Signal Processing
Assistant Prof.	YAMASHITA, Tomohiko	High Voltage Engineering, Pulsed Power
	KADOWAKI, Jun	Soft robot, Pneumatic rubber muscle







An Autonomous Robot



Working with Lathe Machine



Checking Electronic Components

⇔Curriculum

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

◇Main Experiment Facilities

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

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

Loading of steel structure





	Subject	Credits	Classification	
Compulsory	Engineering Literacy Applied Mathematics I Applied Mathematics I History of Science and Technology Intellectual Property Structural Mechanics I Structural Mechanics I Structural Mechanics II Structural Design 1 Construction Materials Soil Mechanics I Soil Mechanics I Soli Mechanics I Construction Management Hydraulics I Hydraulics I River and Coastal Engineering I Environmental Engineering I Information Processing I Information Processing II Narrog I Planning I Planning I Design and Drawing I Civil Experiments and Exercises I Civil Experiments and Exercises II Civil Experiments and Exercises II Civil Experiments and Exercises II Civil Experiments and Exercises IV Civil Experim	2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 2 2 2 2 1 1 2 2 2 1 1 2 2 2 2 1 1 2 2 2 1 2 1 2 2 2 1 2 1 2 2 2 2 2 1 2	Elective	Struc Soil / Appli Envir Infor Sury Disa Appli Tech Spec Spec Spec Spec Spec Adva Adva

	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	0
	Surveying I	
	Disaster Prevention Engineering	2
	Applied Mathematics II	2
ive	Technical English	2
live	Job Training	1
	Special Lecture 1	1
	Special Lecture I	1
	Special Lecture II	
	Special Lecture IV	1
	Pre-research Activity I	1
	Pre-research Activity I	
	Pre-research Activity II	1
	Advanced Programming Training I	4
		4
	Advanced Programming Training II	4





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
	MANABE, Katsuya	Electromagnetic Theory Microwave Theory and Techniques
	TAKAJO, Hideyuki	Educational Technology Ubiquitous Computing
	SHOHON, Toshiyuki	Coding Theory Communication Engineering
Associate Prof.	KUMEKAWA, Kazuya	Computer Networks
	ONO, Akira	Telecommunication Electronic Circuit
	SHIRAISHI, Keiichi	Computer Algebra e-Learning
	KAWAKUBO, Takashi	Field Emission Surface Physics

♦Curriculum

01	0	One dit a
Classification	Subject	Creaits
	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 I	
Compulsory	Electronic Circuits I	2
	Electronic Circuits I	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 2
	Experiments in Communication Engineering I	4
	Experiments in Communication Engineering I	4
	Graduation Research	
	Applied Physics II	2
	Information Processing II	2
		2
	Electric and Electronic Measurements I	2
	Wireless Communication Engineering I	
	Antennas and Propagation I	2
	Antennas and Propagation I	2
	Communication SystemA	2
	Communication SystemB	2
	Tlecommunications Law I	2
	Tlecommunications Law II	2
	Computer Networks I	2
	Computer Networks I	2
	Information Theory	2
	Seminar on Radio Engineering	2
	Data Communications	2
	Optoelectronics	2
Elective	Mathematics for Information Science	2
	Information Security	2
	Network Programming	
	Internship	
	Special Lectures I	
	Special Lectures I	<u>I</u>
	Pre-research Activity I	1
	Pre-research Activity II	1
	Pre-research ActivityⅢ	1
	Research Fundamentals I	1
	Research Fundamentals I	1
	Research Fundamentals II	1
	AI I	1
	AI II	1
	AI II	1
	AI IV	1





Radar Detection



Optical Fiber Communication



Computer Network Experiment

OMain Experiment Facilities

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

- 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.	YOSHIOKA, Genta	Human Robot Interaction						



Robot Manufacture Experiment using MINDSTORMS



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



Fundamental Electronic Circuit Experiments in English



Graduation Work with Region Cooperation (in 5th Grade)

⇔Curriculum

-		
Classification	Subject	Credits
	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	
	Electromagnetics I	
	Electromagnetics I	
	Electonics	·····-
		·····
	Electronic Circuits I	·····
	Electronic Circuits I	····· <u>ć</u> ····
	Semiconductor Electronics	2
Compulsory	Semiconductor Device Engineering	
	Digital Circuits I	
	Digital Circuits I	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	
	Experiments and Practices	
	Experiments in Electronic Engineering	
	Experiments in Electronic Engineering I	
	Experiments in Electronic Engineering I	
	Graduation Research	
	Applied Physics I	····· <u>ć</u> ····
	Electric CircuitsII	2
	Solid State Physics	2
	Optoelectronics	2
	Electrical and Electronic Materials	2
	Control Engineering I	2
	Robot Engineering	2
	Sensor Electronics	
	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	2
	Internship	······ · ·····
	Special Lectures I	
	Special Lectures I	······: 1
	Pre-research Activity I	······¦·····
	Pre-research Activity II	·····
	Pre-research Activity II	!
	Research Fundamentals I	
	Research Fundamentals I	
	Research Fundamentals II	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	AI I	1
	AI II	1
	AI II	1
	AI IV	1

⊘Main Experiment Facilities

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 Yield 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	Oradita
Classification	Applied Mathematics	Credits
	Probability and Statistics	·····-
	Applied Physics I	2
	Electric Engineering	<u>-</u>
	Electric Circuits I	····· C
	Electronic Circuits I	<u>-</u> 2
	Digital Circuits I	····· <u>-</u>
	Digital Circuits I	
	Information Engineering	<u>-</u> 2
	Computer Architecture	<u>-</u> 2
	Information Processing I	2
	Information Processing I	2
Compulsory		4
Compaisory	Communicaion Theory	2
	Data Structures and Algorithms	2
	Compiler	2
	Seminar on Information Engineering	<u>-</u>
	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 I	
	Graduation Research	8
	Applied Physics I	2
	Mathematics for Information Science	2
	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
	Computer Networks II	2
	Information Security	2
	Internship	1
	Special Lectures I	1
	Special Lectures I	1
	Pre-research Activity I	1
	Pre-research Activity I	1
	Pre-research ActivityⅢ	1
	Research Fundamentals I	1
	Research Fundamentals I	1
	Research Fundamentals II	1
	AI I	1
	AI II	1
	AI II	1
	AI IV	1



Simulator of Microcomputer



3D Content Creation for Virtual Reality



etwork System Integration



Demonstration in 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 Lac.	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

			Credits				
Arts	Compulsory Management Theory TOEIC Preparation						
Liberal Arts	Elective	Jurisprudence Reading of Literary works	0				
0	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				
. Subjects	Compulsory	Experiments and Practicals I Experiments and Practicals II Thesis Research I Thesis Research II Seminar I Seminar I	2 6 10 2				
Core Eng.	Elective	Special Lectures Internship I Internship I Internship II Internship IV	2				







Internal Combustion Engine

Water Quality Analysis

	assification	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 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	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Eng. Subjects of MS Course.	Elective	Advanced Heat Transfer Advanced Dynamics Optimization Theory Advanced Computer Processing Advanced Computer Processing Advanced Computer Processing Advanced Computer Processing Advanced Control Engineering I Advanced Control Engineering I Mechatronics	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 Infrastructure Planning Information Technology and Systems Introduction to Civil Engineering Environmental Ethics and Management	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

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

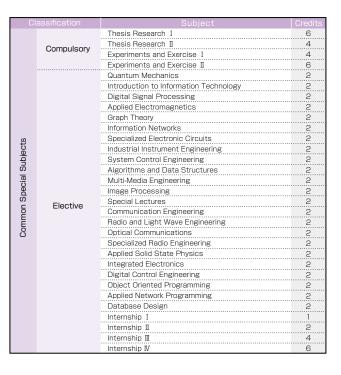
CI	assification	Subject	Credits
th th	Compulsorv	Communicative English I	2
iberal Arts	Compuisory	Communicative English I	2
Libe	Elective	Advanced Japanese Literature	2
<u>e</u> .	Compulsory	Engineer Ethics	2
Basic		Advanced Physical Science	2
B		Topics Applied Mathematics	2
Engineering	Elective	Intellectual Property	2
		English for Engineers	2
		Engineering Mathematics	2



(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.)





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

◇Organization of International Symposiums/Seminar (2015-2021)

- ♦ "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.
- \diamond "Eco-Energy and Materials Sciences and Engineering Symposium", Dec. 2016, and April 2018
- \diamond "International Conference on Nanoscience & Nanotechnology" Feb. 2014-2018, Mar. 2019 and April 2021
- \diamond "International Seminar on Electronics Engineering and NANO Technology", Mar.2017
- \diamond "International Conference on Creativity, Inovation, and Invention on Digital Technology(CIIDT)", Dec 2018
- \diamond "NIT-NUU Bilateral Academic Conference.", Sep. 2019, and Sep. 2021

◇International Exchange and Academic Activities by Faculties and Students(2015-2021)

- 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)

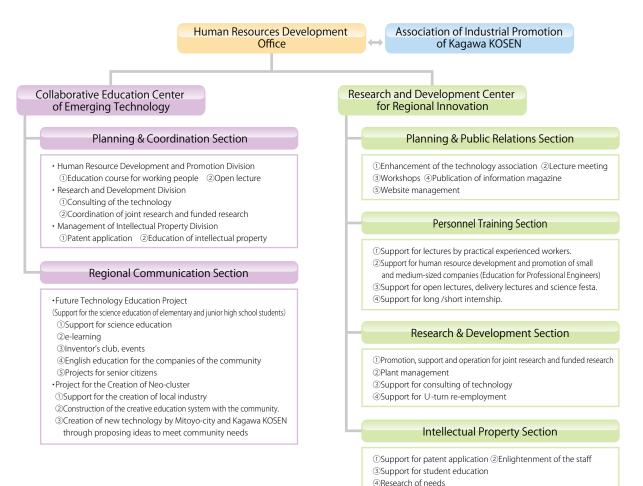
\odot International Students at NITKC

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
2022							1				1									2
2021									(1)	1	1									З
2020												1								1
2019											2	1			(1)				1	5
2018												З								З
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	4	5	1	1	14	1	5	10	82	15	9	7	13	2	11	1	1	190

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

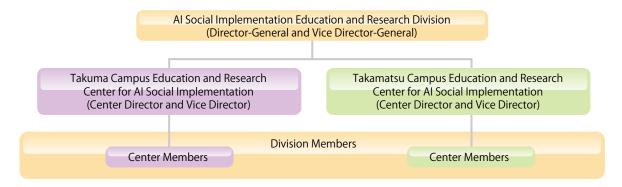
Purpose:

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.
- Department of coalition for KOSENs in Shikoku-area.
 Other activities to achieve the purpose of the center.

AI Social Implementation Education and Research Division

Al 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 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 AI Social Implementation" to promote AI 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.

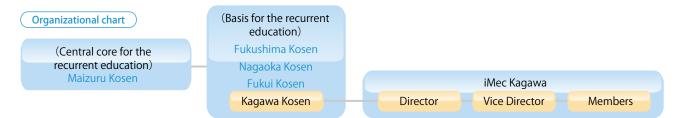
Al Social Implementation Education	Director-General	MISAKI, Yukinori (Professor, Department of Electronic Systems Engineering)
and Research Division	Vice Director-General	TOKUNAGA, Hidekazu (Professor, Department of Electro-Mechanical Systems Engineering)
Takuma Campus Education and Research	Center Director	MISAKI, Yukinori (Professor, Department of Electronic Systems Engineering)
Center for Al Social Implementation	Center Vice Director	KANAZAWA, Keizo (Professor, Department of Information Engineering)
Takamatsu Campus Education and Research Center for Al Social Implementation	Center Director	TOKUNAGA, Hidekazu (Professor, Department of Electro-Mechanical Systems Engineering)
	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.



Facilities

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



Overview of the space



Steel rivet girder



einforced concrete slab



Steel truss bridge and supports



Reinforced concrete girder



Non-destructive inspection by electromagnetic wave radar

♦Staffs

	Director	HAYASHI, Kazuhiko (Associate Professor, Civil Engineering Department)
	Vice director	IRIE, Masaki (Program-Specific Teacher)
	Members	HASEGAWA, Yuki (Senior Lecturer, Civil Engineering Department)
		MATSUMOTO, Masayuki (Assistant Professor, Civil Engineering Department)

Research

\odot 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 Utilize and Characterize human skill for Sports-coaching. Mechanistic Study and Development of Catalytic Palladium Enolate Umpolung Reactions 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 Research on Interview Dialogue to obtain User's good points by Conversation Robot 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. Piezo Resistance Effect of p-type Germanium Development of an affective monitor system for evaluating Web class students Heart rate monitoring system attaching to finger nail: experiments in daily life environment Determining the inflationary particle content through the cosmological collider physics A study of signal processing of hammering inspection test with deep learning Unification of Deep Learning and Generalized Mathematical Model for Independence-Based Audio Source Separation Study on Improving the Seismic Performance of Transmission Tower Based on Additional Damping by Using the Control Device for the Earthquake 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) Dark matter search using the cosmic microwave background 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 Improvement of STEAM teaching material production method that changes color depending on temperature for practical use in elementary schools 8 another research study, Number of Research Studies 39, Total Funds 25,270,700Yen Commissioned Research Long-term pulsewave sensing based on micro-strain of fingernails 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

- Demonstration of technology for collecting mountain and offshore disaster prevention data using 2U CubeSat equipped with LPWA (LoRa) module
- Development of Renewable Storage Energy System using New Lead-Acid Battery
- Number of Research Studies 5, Total Funds 9,757,400Yen

\diamondsuit Cooperative Research with Private Sector Development of High-Performance Lead-Acid Batteries

Development of New 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 Bleeding sound reduction for music signals applicable in underdetermined situation Study on development of wireless river monitoring system Development of semi-solid slurry generator Vital sensors attached to fingernail surface Study on durability life prediction method of cable conductor/shield wire for moving parts. A basic study of car stop bollard made by precast concrete based on analysis of experimental data of laboratory tests Development of a monitoring system for seniors and infants using highly sensitive respiration sensors -- For the purposes of overnight and home care monitoring for new coronavirus infection (COVID-19) Development of an Al-powered fruit and vegetable sorting machine 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 AI

Study of Fluorine Treatment Technology 8 another research studies, Number of Research Studies 26, Total Funds 7,977,000Yen

\diamondsuit 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
- The analysis of operational issue of stay-type evacuation shelter during COVID-19 spread
- Analysis of Relative Characteristics for Multiple Musical Instruments Based on Matrix Decomposition Theory and Deep Learning

Experiment and Verification on Data Storage System using LSTM for Inheritance of Excellent Technician's Skills (Spinning Process)

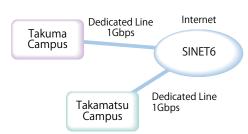
- Disaster prevention of houses near the pond's dike and visualization by AI technology
- Position Sensor-less Control of IPMSM with High Load Torque Capacity Under Tuning-less Condition

4 another research studies, Number of Research Studies 11, Total Funds 19,981,200 Yen

ONETWORKING 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

OTakamatsu 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.

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.

⊘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.



Takamatsu Campus Second Training Room



Takuma Campus Second Seminar Room



Scanning Electron Microscope



Digital_Microscope

Number of Students

⊘Department

	Classification		Admission Enrollment						
			1st	2nd	3rd	4th	5th	Total	
	Department of Mechanical Engineering	40	42(1)	39(2)	39(4)	48(1)	42	210(8)	
	Department of Electrical and Computer Engineering	40	42(3)	44(4)	47(6)	39(6)	37(4)	209(23)	
nts	Department of Electro-Mechanical Systems Engineering	40	43(1)	44(2)	39(4)[1]	43(1)[1]	37(4)	206(12)[2]	
artme	Department of Civil Engineering	40	42(10)	41 (12)	40(1)[1]	43(9)	42(8)[1]	208(40)[2]	
	Department of Communication Network Engineering	40	42(11)	36(8)	38(8)	43(11)[1]	34(6)	193(44)[1]	
eb	Department of Electronic Systems Engineering	40	42(1)	43(4)	45(5)	38(6)	34(7)	202(23)	
	Department of Information Engineering	40	42(5)	45(14)	42(8)	42(9)	40(4)	211 (40)	
	Total	280	295(32)	292(46)	290(36)[2]	296(43)[2]	266(33)[1]	1,439(190)[5]	

⊘Faculty of Advanced Engineering

	Classification		Enrolln			
				2nd	Total	
Se	Advanced Course in Industrial and Systems Engineering	24	31 (4)	30(2)	61 (6)	
n	Advanced Course in Electronics, Information and Communication Engineering	18	19(1)	19(5)[1]	38(6)[1]	
ö	Total	42	50(5)	49(7)[1]	99(12)[1]	

) Female,] Overseas Students Ε As of May. 1, 2022

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Clubs and Associations of People Sharing Common Interests

♦Sports Clubs

Baseball Club
Track & Field Club
Table Tennis Club
Judo Club
Kendo Club
Yacht Club
Volleyball Club
Basketball Club

\Diamond Societies

Calligraphy Society Cheer Team Literature Society

Soccer Club Softball Tennis Club Badminton Club Handball Club Shorinji-Kenpo Club

Swimming Club

Tennis 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

Painting Society Photograph Society SPOT Society

Seiun-ryo (Takamatsu Campus)

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

South Dormitory 4-story building 57 private rooms(9m), 2 private rooms(13.5m), 1 shared room with 2 beds etc(24m), 1 shared room with 2 beds etc(13.5m) 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)

Common rooms a-study room, a seminar room to study Japanese, lounges with a kitchenette, laundry room, bath room and a cafeteria

Number of Dormitory Students

School Year	lst	2nd	Зrd	4th	5th	Faculty of Advanced Engineering	total
No. of Dorm studs	34(4)	30(6)	29(4) (2)	26(3)(1)	12(0)(1)	0(0)	131 (17) (4)
(): Number of Female Students within Total, < > Number of Overseas Students within Total As of May 1, 2022							



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.

Shippo-ryo (Takuma Campus) Dormitory 2: 4-story building 26 private rooms(13.5m²), 9 shared room with 2beds etc(27m²) 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 cafeteria

Number of Dormitory Students

School Year	lst	2nd	Зrd	4th	5th	Faculty of Advanced Engineering	total
No. of Dorm studs	46(5)	54(9)	42(7)	35(7)(1)	22(3)	7(0)(1)	206(31)(2)
(): Number of Female Students within Total, < > Number of Overseas Students within Total As of May 1, 2022							



Shippo-ryo & Shiun-ryo

After Graduation

Employment or Academic Situation

\diamond	Fakamatsu 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	36	8	27	1	
tme	Department of Electrical and Computer Engineering	40	22	18	0	
Depart	Department of Electro-Mechanical Systems Engineering	30	10	19	1	830
De	Department of Civil Engineering	37	17	18	2	
	Total	143	57	82	4	
Course	Advanced Course in Industrial and Systems Engineering	36	4	32	0	

◇Takuma Campus

	Classification				Number of the Other	Job Offered Companies
rtments	Department of Communication Network Engineering	34	7	27	0	
artme	Department of Electronic Systems Engineering		14	25	1	549
Depi	Department of Information Engineering		24	10	4	549
	Total	112	45	62	5	
Course	Advanced Course in Electronics, Information and Communication Engineering	20	4	15	1	

As of Aplil. 1, 2022

Campus Map

- Takamatsu Campus



 Department of Electrical and Computer Engineering
 Department of Electro-Mechanical Systems Engineering Department of Civil Engineering and Lecture Rooms Networking and Computing Service Center
 Research and Development Center for Regional Innovation Budo-jyo(Gymnasium for Martial Arts) Training Room for Sports Meeting Place for the Staff Wiecting Place for the Stall
 Clubrooms①
 Clubrooms②
 Wind Tunnel Laboratory
 Wind Tunnel Laboratory
 Jikyo-kaikan (Welfare Facilities) Wakei-kan(Site of a Training Camp) Seiun-ryo(North Dormitory)
 Seiun-ryo(South Dormitory) Seiun-ryo(South Domitory)
 Seiun-ryo(Nest Domitory)
 Seiun-ryo(Dining Hall of Domitory)
 Swimming Pool
 Athletic Field
 Handball Court
 Repobull Eigld 30 Baseball Field 3 Tennis Courts Tennis Court
Practical training facility for infrastructures

- Takuma Campus





Lecture Building 1 8 Lecture Building2 Elevent of Educating Library-Student-Affairs-Career-Support-Nurse Station Dormitory Administration Shippo-ryo@(Dormitory) Bhippo-ryo③(Dormitory) 13 Shiun-ryo(Dormitory) East Dormitory West Dormitory 6 Boiler Room of Dormitory Warehouse for Dormitory Warehouse for Dormitory Bathhouse for Dormitory Gymnasium 1 Gymnasium 2 Martial Arts Gymnasium Reserve Student Building Warehouse for Deviced For Warehouse for Physical Education Building for the Swimming Pool Student Commons Building Reserve Faculty Building Museum of Technology Guard's Room Garage Outage Housing for the Staff Swimming Pool

- 🐵 Baseball Soccer Field Baseball Socce
 Athletic Field
 Tennis Courts

Accounting

◇Revenue and Expenditure (2021)

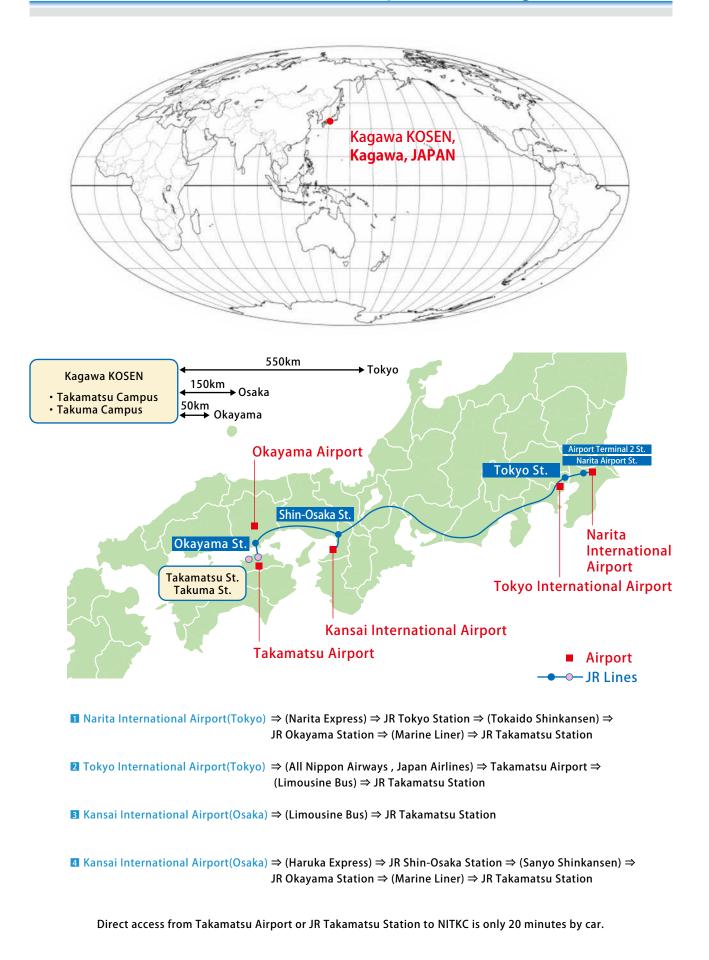
Revenue (a monetary unit: 1,000yen)

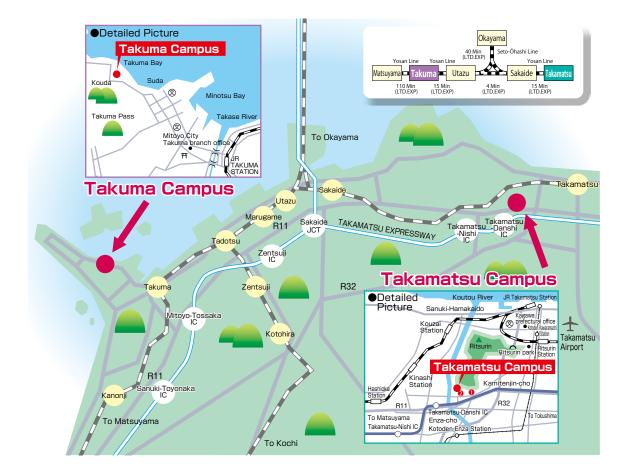
Grant for working Expenditure	94,721
Facilities Improvement Expenses	318,458
Self-Revenue	
Tuition and Entrance Examination Fee	393,131
Miscellaneous Revenue	4,878
Industry-University Cooperation Research Revenue and Donation	41,989
Other Subsidy	14,283
Total	867,460

Expenditure (a monetary unit: 1,000yen)

Educatioal Research Expenses	450,593
General Administrative Expenses	51,706
Facilities Improvement Expenses	318,458
Industry-University Cooperation Research and Donation Project Expenses	25,882
Other Subsidy	13,239
Total	859,878

Access from International Airports to Kagawa KOSEN





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

ightarrow 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 \rightarrow 1 minutes walk from Kagawa Kosen mae bus stop 25 minutes by car

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

From Takamatsu Expressway IC

7 minutes by car from Takamatsu-Nishi IC

5 minutes by car from Takamatsu-Danshi IC

From Takamatsu Airport

from Koyama bus stop

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]

355 Chokushi-cho, Takamatsu, Kagawa 761-8058 Japan TEL +81-87-869-3811

Takamatsu Campus	355 Chokushi-cho, Takamatsu, Kagawa 761-8058 Japan TEL +81-87-869-3811
Takuma Campus	551 Kohda, Takuma-cho, Mitoyo, Kagawa 769-1192 Japan TEL +81-875-83-8506

URL https://www.kagawa-nct.ac.jp/