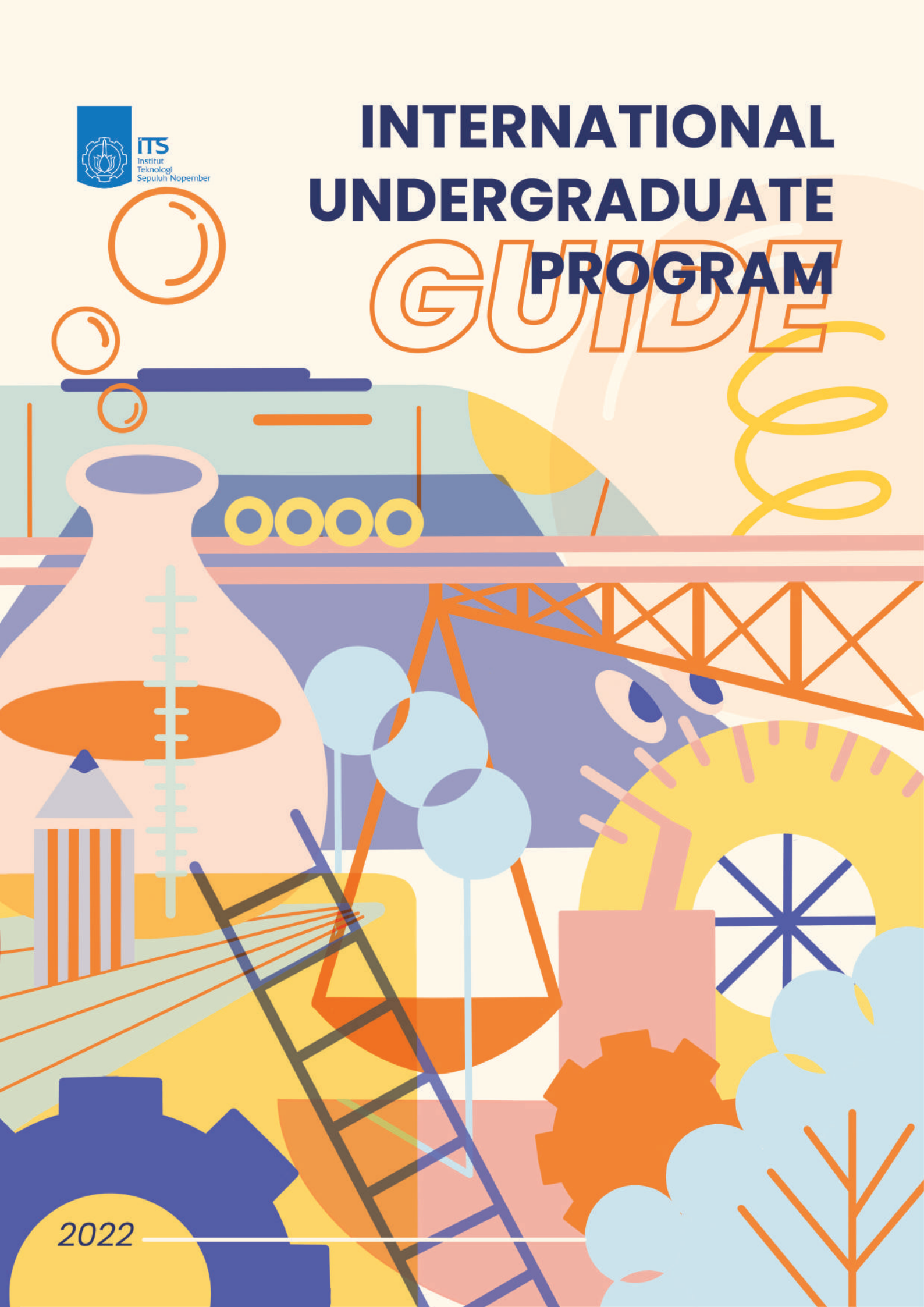
ITS
Institut
Teknologi
Sepuluh Nopember

INTERNATIONAL UNDERGRADUATE PROGRAM GUIDE



2022

ABOUT ITS

Graha Institut Teknologi
Sepuluh Nopember

Awards

RANK 160

QS ASIAN UNIVERSITY RANKINGS

YEAR **2022**

751 – 800

QS WORLD UNIVERSITY RANKINGS

YEAR **2022**

751-800 (Global), **6** (Indonesia)

351 – 400

THE WORLD UNIVERSITY RANKINGS 2021 ASIA

RANK 1001+

THE WORLD UNIVERSITY RANKINGS 2021

1001+ (Global), **3** (Indonesia)

INTERNATIONAL

RANK 1 Sapuangin ITS Team, Shell Eco-Marathon, 2021 Off-Track Award

RANK 1 Ichiro ITS Robotic Team, RoboCup 2019 and Fira RoboWorldCup, 2019

RANK 1 Barunastra ITS Team, AUVSI 14th International Roboboat Competition, 2021

RANK 1 Sapuangin ITS Team, Shell Eco-Marathon Drivers World Championship 2018 in United Kingdom

RANK 1 Ichiro ITS Robotic Team, Robocup 2018 in Canada

RANK 1 Barunastra ITS Team, 11th Annual International Robobat Competition 2018 in the United States of America

RANK 3 Jalapatih ITS Team, Solar Sport One 2018 in Netherlands

NATIONAL

RANK 1 ITS Robotic Team, Indonesia Robotic Contest, 2018, 2019, 2020, 2021

RANK 2 Bayucaraka ITS Team, Indonesia Flying-Robotic Contest, Racing Plane and Best Design, 2021

RANK 1 Nogogeni ITS Team, Sufficient Energy Car Contest, 2021

RANK 2 Institution with the Highest Scientific Publication (SINTA Award 2018)

RANK 4 Institution with the Highest Grade in Higher Degree National Assessment (SBMPTN) 2018

RANK 1 The Most Innovative University (The Ministry of Research, Technology and Higher Education 2017)

RANK 5 Best University in Indonesia (The Ministry of Research, Technology and Higher Education 2017)

RANK 3 National Research Student Competition 2017

RANK 1 The Most Outstanding Student in Vocational Degree 2017

...and many others

An Institution that Concerns on Technology

1957

The Establishment of The Foundation

E *The Foundation of Technical College was established by the initiative of Doctor Angka Nitisastro, at the first Lustrum of Indonesian Engineers Association in East Java. Hereafter, the 10 November Technical College Surabaya was established by Ir. Soekarno on 10th November 1957.*

I Yayasan Perguruan Tinggi Teknik (YPTT) didirikan atas gagasan dr. Angka, pada Lustrum I PII Jawa Timur. Selanjutnya, Perguruan Tinggi Teknik 10 Nopember Surabaya diresmikan oleh Ir. Soekarno pada tanggal 10 Nopember 1957.

1960

ITS Became Public University

E *The 10th November Technical College Surabaya turned into Institut Teknologi Sepuluh Nopember, and changed its status to be a public university, on 3rd November 1960.*

I Perguruan Tinggi Teknik 10 Nopember Surabaya berubah menjadi Institut Teknologi 10 Nopember, dengan status sebagai Perguruan Tinggi Negeri. Pada tanggal 3 Desember 1960, nama tersebut diubah kembali menjadi Institut Teknologi Sepuluh Nopember (ITS).

1972

Faculty Transfer & Development Plan

E *ITS has a campus branch at Jl. Manyar 8 Surabaya that is used by the Faculty of Civil Engineering.*

I ITS memiliki kampus di Jl. Manyar 8 Surabaya yang digunakan untuk Fakultas Teknik Sipil.

1982

The Inauguration of Sukolilo Campus

E *The construction of ITS Sukolilo Phase 1 was started using ADB funds that completed in 1980 and was inaugurated on 27th March 1982.*

I Mulai pembangunan kampus ITS Sukolilo Tahap I menggunakan sebagian dana ADB selesai pada Tahun 1980 dan diresmikan pada tanggal 27 Maret 1982.

2008

ITS as Public Service Agency

E *ITS was assigned as a public service agency according to the Decree of the Ministry of Finance No. 363/KMK.05/2008. Thus, the management system changed, which enabled ITS to account for the use of government finance. ITS also became an independent institution by initiating cooperation at the national and international levels.*

I ITS ditetapkan sebagai Badan Layanan Umum (BLU) berdasarkan SK Menkeu No. 363/KMK.05/2008. Sehingga, pola manajemen ITS berubah, yaitu mampu mempertanggung jawabkan penggunaan keunganan bersumber dari pemerintah, ITS juga menjadi institusi mandiri dengan membuka peluang kerjasama pada level nasional dan internasional.

2014

ITS as an Autonomous University

E *ITS has become an autonomous university according to the Government Regulation No.83 Year 2014. Thus, the management system of ITS changed which enabled ITS to autonomously manage its academic, norms and operational policy as well as organizational acts, finance, student affairs, manpower, and facilities.*

I ITS sebagai Perguruan Tinggi Negeri Badan Hukum (PTNBH) berdasarkan PP No. 83 Tahun 2014. Sehingga ITS harus mampu melakukan pengelolaan secara otonom, baik dalam bidang akademik, norma dan kebijakan operasional serta pelaksanaan organisasi, keuangan, kemahasiswaan, ketenagaan, serta sarana prasarana.

2017

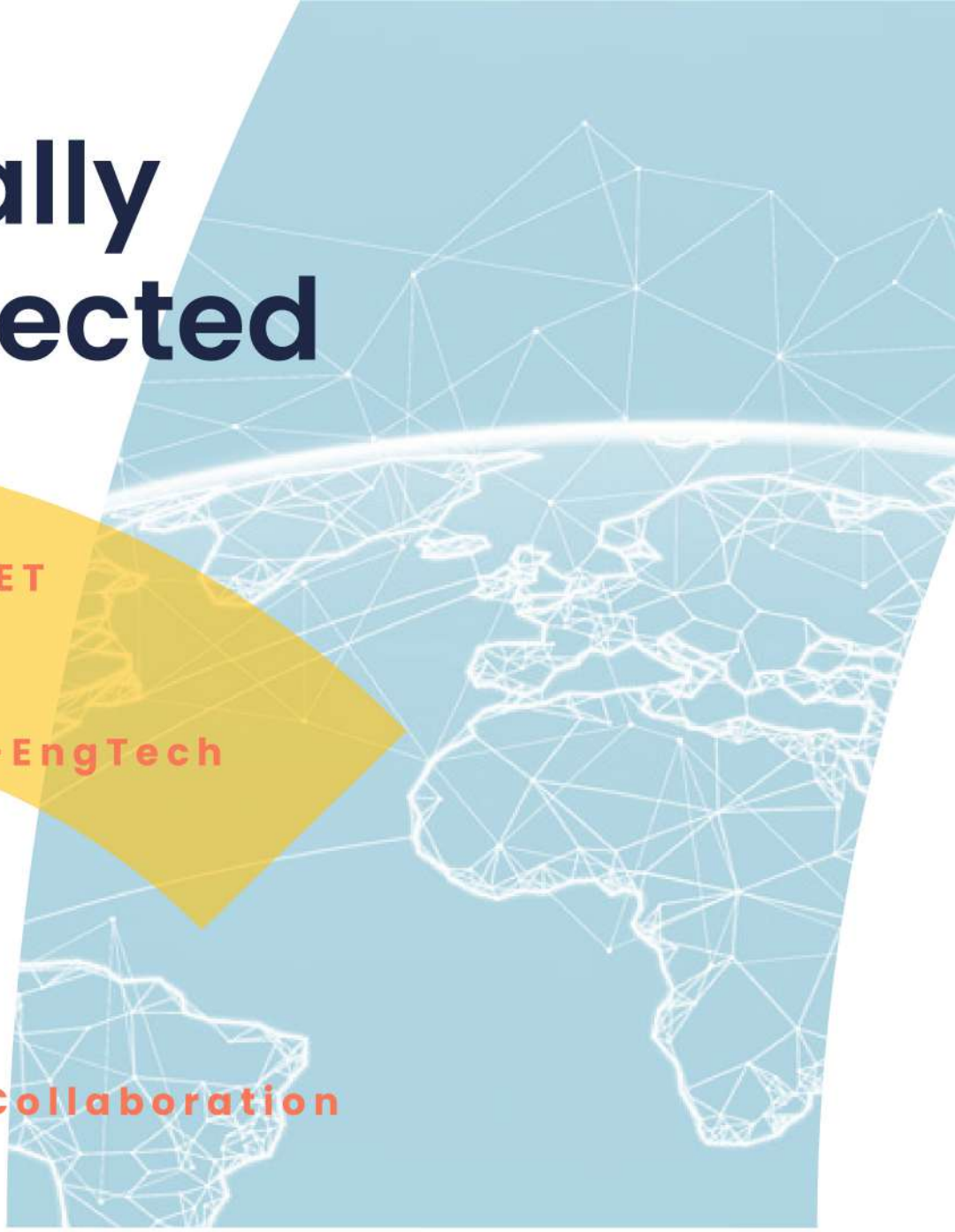
Kick-Off ITS as Autonomous University

E ITS started to implement the autonomous university policy. ITS has 10 faculties.

I ITS telah mengimplementasikan aturan PTNBH. ITS telah menjadi 10 Fakultas.

Landmark
Synchro ITS

Globally Connected



- EPI-UNET
- ACNET-EngTech
- JWG
- Other Collaboration

E *Institut Teknologi Sepuluh Nopember has been struggling to be A World Class University (WCU). Some steps that have been taken by ITS is to establish a lot of collaboration with several leading institutions that range from Asia to Europe and America. Thus far, ITS has signed at least 393 MoUs and MoAs with international institutions and campuses.*

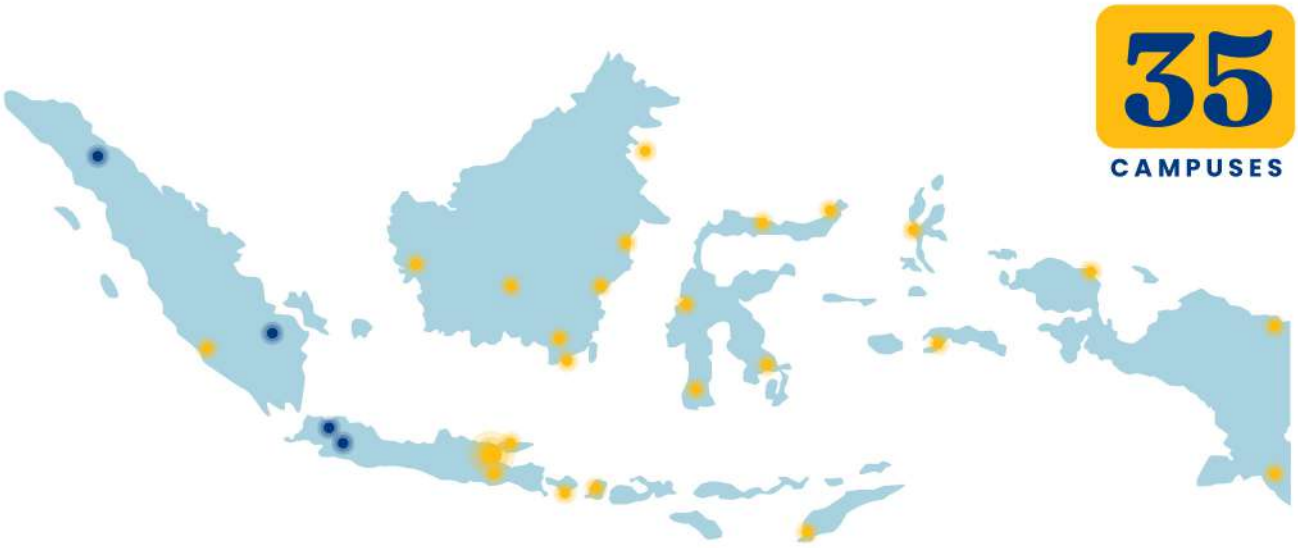
I Institut Teknologi Sepuluh Nopember (ITS) telah berusaha menjadi salah satu kampus terbaik dunia bergelar World Class University (WCU). Beberapa langkah yang telah dilakukan ITS adalah dengan membentuk berbagai kerja sama dengan beberapa institusi ternama yang tersebar dari Asia hingga ke Eropa dan Amerika. Terhitung hingga hari ini, ITS telah menandatangani setidaknya 393 MoU dan MoA dengan institusi maupun kampus internasional.

EPI - UNET

(Eastern Part of Indonesia University Network)

E *At the global level, ITS participates in several consortia. One of them is the Eastern Part of Indonesia University Network (EPI-UNET). In this consortium, ITS has joined to collaborate with 35 countries and universities in Eastern part of Indonesia for the last eight years.*

I Dalam tingkat global, ITS turut serta tergabung dalam beberapa konsorsium. Salah satunya adalah konsorsium Eastern Part of Indonesia University Network (EPI-UNET). Dalam konsorsium ini, ITS telah bergabung bersama dengan 35 universitas di Indonesia Timur selama delapan tahun terakhir.



E *In addition, ITS also collaborates with other universities such as University of Bengkulu, State University of Medan, Universitas Sumatera Utara, Sriwijaya University, Universitas Indonesia, Institut Pertanian Bogor, and many other.*

I Di luar konsorsium, ITS juga menjalin kerjasama dengan universitas lain seperti Universitas Medan, Universitas Sumatera Utara, Universitas Sriwijaya, Universitas Indonesia, Institut Pertanian Bogor, dan lain-lain.

ACNET-EngTech

(ASEAN-China Network Engineering Technology)

E *Besides, ITS also takes part in the consortium of ASEAN-China Network Engineering Technology (ACNET-EngTech) where ITS collaborates with 20 other reputable campuses in China and ASEAN.*

I Disamping itu, ITS juga mengambil bagian dalam konsorsium ASEAN-China Network Engineering Technology (ACNET- EngTech) dimana ITS bekerjasama dengan 20 kampus ternama negara Tiongkok dan negara lainnya di ASEAN.

JWG *(Joint Working Group Indonesia - Jepang)*

E *Since 2012, ITS has collaborated in Joint Working Group (JWG) Indonesia-Japan forum to strengthen research cooperation, innovation, education and sustainable industry development. In 2017, ITS hosted the fourth JWG conference event.*

I Sejak tahun 2012, ITS bekerjasama dalam forum Joint Working Group (JWG) Indonesia-Jepang dalam penguatan kerjasama penelitian, inovasi, pendidikan, serta pengembangan industri berkelanjutan. Tahun 2017, ITS menjadi tuan rumah perhelatan konferensi ke-empat JWG.

Other Collaboration

E *Since January 2017, ITS has collaborated with Bialystok University of Technology in Poland, Tomsk State University in Russia, Zurich University of Applied Sciences in Switzerland, Loughborough University in the UK, International Alatoo University at Kyrgyzstan, Heriot Watt University in Scotland, and Saxion University of Applied Sciences in the Netherlands as well as Power Technology ASEAN Ltd in New Zealand. Those collaboration ranges from research collaboration, student exchange and staff mobilization. In 2017, ITS also collaborates with Mokpo National University in Korea, in the fields of maritime. The signing of the collaboration was witnessed by the fifth president of Indonesia, Megawati Soekarnoputri.*

I Terhitung mulai Januari 2017, ITS telah bekerjasama dengan Bialystok University of Technology di Polandia, Tomsk State University di Rusia, Zurich University of Applied Sciences di Swiss, Loughborough University di Inggris, International Alatoo University di Kyrgystan, Heriot Watt University di Skotlandia, serta Saxion University of applied Sciences di Belanda serta power Technology Asean Ltd di Selandia Baru. Kerjasama terkait meliputi kolaborasi riset, pertukaran pelajar maupun mobilisasi staf. Tahun 2017, ITS mulai menjalin kerjasama dengan Mokpo National University di Korea dI bidang studi kemaritiman. Penandatanganan kerjasama ini disaksikan presiden Republik Indonesia ke-5, Megawati Soekarnoputri.

Applying to ITS

International Undergraduate Program

E *The International Undergraduate Program (also known as IUP) is a bachelor program that implements English as the language of instruction. IUP is intended for Indonesian nationality and Non-Indonesian nationality high school graduates who meet the requirements set by ITS. The program offers the regular undergraduate curriculum and provides opportunities for students to take part in one or more international exposure activities.*

I Program Sarjana Internasional (IUP) adalah program pendidikan sarjana dengan menggunakan bahasa Inggris sebagai bahasa pengantar. IUP ditujukan untuk lulusan sekolah menengah atas baik WNI atau WNA yang memenuhi persyaratan yang ditentukan ITS. Program ini menawarkan kurikulum sarjana dan memberikan kesempatan bagi mahasiswa untuk mengambil bagian dalam satu atau lebih kegiatan berskala internasional.

General Requirements

1

E *Indonesian Nationality and Non-Indonesian Nationality high school or its equivalent (minimum of 12-years of schooling) graduated no longer than three years at the date of admission are eligible to apply for both periods of admission. Prospective student should apply through its.ac.id/admission.*

I WNI atau WNA lulusan SMA/SMK/MA atau sederajat (minimal pendidikan 12 tahun) yang lulus tidak lebih dari 3 tahun dari tanggal pendaftaran berhak mendaftar di kedua masa penerimaan. Calon mahasiswa mendaftar melalui its.ac.id/admission.

2

E *Applicants should have excellent academic potential as measured by one of the following:*

I Pendaftar memiliki kemampuan akademik yang mumpuni yang dibuktikan oleh salah satu dari berikut:

1. High School Academic Report/Transcript,
2. General SAT Test Score Conducted by the College Board (http://sat.collegeboard.org), or
3. Cambridge IGCSE Score, or
4. UTBK Score, or
5. ITS Academic Test Result.

3

E *Applicants should have good command and knowledge of English as shown by one of the following English language proficiency results:*

I Pendaftar harus memiliki kemampuan bahasa Inggris yang mumpuni yang dibuktikan oleh salah satu hasil kecakapan bahasa Inggris sebagai berikut:

1. TOEFL ITP ≥ 500,
2. TOEFL IBT ≥ 61,
3. TOEFL CBT ≥ 173,
4. IELTS ≥ 6,
5. TOEIC ≥ 575.
6. Duolingo English test score ≥ 90

4 E *Applicants must upload Motivation Letter.*
I Pendaftar harus mengunggah Surat Motivasi.

5 E *Applicants must fill out the Commitment Letter of Parents.*
I Pendaftar harus mengisi Surat Komitmen Orang Tua

6 E *Applicants from foreign countries, other than the above requirements, must also provide:*
I Pendaftar dari luar negeri, selain persyaratan di atas, juga harus melampirkan:

1. Health Statement
2. Recommendation Letter
3. Passport

Specific Requirements

E *Several study programs require specific physical competency related to vision function to support learning process: having adequate vision function to distinguish colors. Therefore, students who are accepted in the program mentioned below are required to provide health certificates during the registration process.*

I Beberapa program studi membutuhkan kondisi fisik tertentu yang berkaitan dengan fungsi indra pengelihatan untuk mendukung proses pembelajaran: tidak buta warna atau dapat membedakan warna. Jadi, calon mahasiswa yang diterima di program berikut diwajibkan melampirkan Surat Kesehatan dalam proses registrasi.

Faculty of Science and Data Analytics (SCIENTICS) :	Faculty of Industrial Technology and Systems Engineering (INDSYS)	Faculty of Civil, Planning and Geo Engineering (CIVPLAN)
Physic, Chemistry	**Chemical Engineering**	**Architecture, Environmental Engineering, Geomatics Engineering, Geophysical Engineering**

Tuition Fees

Education fees consist of:

1. Tuition Fee

The tuition fee is paid per semester.

For all International Undergraduate Program:

IDR 25.000.000 for Indonesian nationality
USD 4.500 for Non-Indonesian nationality

For Joint Degree Program:

Marine Engineering: IDR 20.000.000
Naval Architecture: IDR 30.000.000
Mechanical Engineering: IDR 30.000.000

2. Institution Development Donation (IDD)

Institution Development Donation is IDR 75.000.000

E *Education Fees do not cover international exposure program's costs. Those costs depend on the type of international exposure program and conditional living costs at overseas partner institutions. Any payment that has been made cannot be refunded.*

I Biaya pendidikan belum meliputi biaya program kegiatan internasional. Biaya-biaya tersebut tergantung pada tipe program atau kegiatan internasional yang diambil dan biaya hidup di institusi mitra di luar negeri. Segala bentuk biaya yang sudah dibayarkan tidak dapat dikembalikan.

Contact

E *All information about admission to ITS can be seen on* ***its.ac.id/admission*** *or contact :*

I Semua informasi tentang penerimaan mahasiswa baru ITS dapat dilihat di **its.ac.id/admission** atau hubungi:

Directorate of Education
Direktorat Pendidikan
Secretariat:
ITS Campus, Sukolilo, Surabaya 60111
E-mail:
Indonesian Nationality Applicants admisi@its.ac.id
Non-Indonesian Nationality Applicants intladmission@its.ac.id

Teaching & Learning

Lectures

E *The lectures at ITS uses Semester Credit Unit (SKS) where students choose their own classes. For students, 1 credit means each week in a certain semester follow 50 minutes face to-face class, 50 independent study, and 50 minutes assignment activity. Lectures is the best opportunity for students to study the latest theory and research from our lecturers.*

I Perkuliahan di ITS menggunakan sistem Satuan Kredit Semester (SKS) dimana mahasiswa memilih sendiri kelas yang dikehendaki. Satu SKS mempunyai beban studi per minggu sebesar 50 menit tatap muka di kelas, 50 menit kegiatan mandiri, dan 50 menit mengerjakan tugas. Perkuliahan tatap muka adalah kesempatan mahasiswa untuk mempelajari teori dan hasil riset terbaru melalui pengajar.

Seminar

E *Seminar is designed for large-group (30-100 students) covering specific topic in depth. The speakers are experienced and well-known expert in their field.*

I Seminar diadakan untuk perkuliahan skala besar (30-100 orang) yang membahas topik secara khusus. Pembicara seminar ini adalah para ahli di bidangnya.

Laboratory

E *Laboratory classes are conducted to strengthen students' understanding towards the topic and polish their practical skill. ITS has more than 180 labs spread over 7 faculties and 1 interdiciplinary school.*

I Untuk menunjang ilmu yang dipelajari di kelas teori, mahasiswa mengikuti kelas laboratorium untuk mengasah kemampuan praktek. ITS memiliki 180 lab yang tersebar di 7 fakultas dan 1 sekolah interdisiplin.

Studio

E *In studio class, students independently manage their time to work on current project while being supervised. This type of class is often applied in architecture and design classes.*

I Dalam kelas studio ini, mahasiswa mengatur waktunya secara mandiri untuk mengerjakan proyek yang ada sambil berdiskusi dengan dosen atau supervisor. Kelas ini banyak diterapkan di kelas perancangan arsitektur dan desain.

Supervisions

E *Students are facilitated to conduct a small group discussions in certain topics with their experienced supervisor. Supervisor will provide regular feedback for students to improve their work.*

I Mahasiswa difasilitasi untuk melakukan diskusi dalam kelompok kecil dengan pengajar yang ahli di bidangnya. Pengajar akan memberikan saran dan masukan terhadap pekerjaan mahasiswa.

Field Trip

E *At least once a year, field trip is held by some courses. Time and location of the field trip depends on which course students take.*

I Setidaknya sekali dalam setahun, beberapa kelas mengadakan karyawisata. Lokasi dan waktu pelaksanaan bervariasi, tergantung dari pelaksana karyawisata di jurusan.

E-Learning

classroom.its.ac.id

E *There is also available an E-Learning facility called ITS Classroom. This integrated electronic learning system provide a wide array of learning materials: from moduls, a collection of assignments, quizes/tests, and many others.*

It is expected that this E-Learning facility can facilitate students to do their study anywhere and anytheme, suitable to their needs and preferences. Furthermore, students can also be implored to become more independent and always prepared to manage their time in accordance with this system.

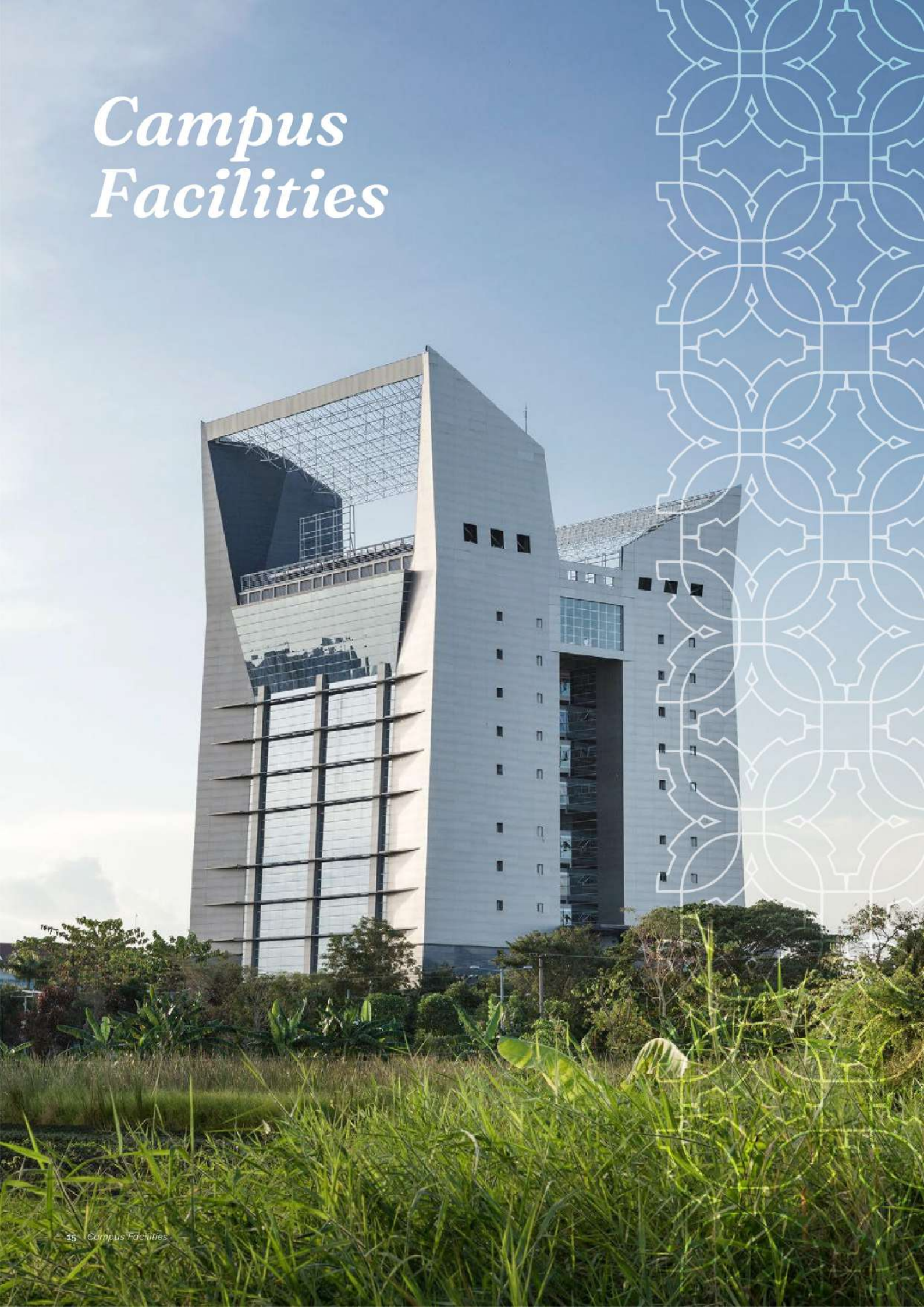
For further information regarding this online learning system, from its registration procedure to how to operate it, you can access the website at: ***classroom.its.ac.id***

I Terdapat fasilitas E-Learning yang dinamakan ITS Classroom. Sistem belajar daring terintegrasi ini menyediakan berbagai macam fasilitas belajar mengajar, mulai dari modul, tugas, ujian/kuis, dan lain-lain.

Fasilitas E-learning diharapkan mampu memfasilitasi mahasiswa agar dapat melakukan kegaitan belajar di mana saja dan kapan saja, sesuai dengan preferensi dari mahasiswa. Mahasiswa juga dapat dituntut untuk mandiri dan senantiasa mengatur waktu untuk mengikuti kegiatan belajar daring ini.

Untuk informasi lebih lanjut mengenai sistem belajar daring ini, mulai dari tata cara registrasi hingga pengoperasiannya, dapat dilihat di: **classroom.its.ac.id**

Campus Facilities



Library

E *ITS central library is a 6-storey building with total area of 9000 m2. There are more than 80,000 book titles, 10,000 audio visual datas, and more than 18000 collections of digital library. In addition to presenting books, the central library also offers several pleasant areas such as PLN Corner, Sampoerna Corner, and Indonesia Development Information Services (IDIS).*

I Perpustakaan pusat ITS merupakan sebuah gedung 6 lantai dengan luas total 9000 m2. Terdapat lebih dari 80.000 judul buku, 10000 data audio visual serta koleksi digital library lebih dari 18000. Selain menyuguhkan buku, perpustakaan juga menawarkan area belajar yang sangat nyaman seperti PLN Corner, Sampurna Corner, dan Indonesia Development Information Services (IDIS).

Sport Center

E *Sports coaching is a concern for ITS in addition to the academic life. Sports facilities are available both indoor and outdoor. All the facilities provided can be used by students and lecturers as well employees according to their respective schedule. In addition to being used by the ITS academic community, all these facilities can also be used by outsiders.*

I Pembinaan olahraga juga menjadi perhatian bagi ITS selain di bidang akademik. Fasilitas olah raga yang tersedia berupa fasilitas indoor dan outdoor. Semua fasilitas yang disediakan tersebut dapat digunakan oleh mahasiswa maupun dosen serta karyawam dengan menurut jadwal masing-masing. Selain digunakan oleh civitas akademika ITS, semua fasilitas tersebut juga dapat digunakan oleh pihak luar.

Student Dormitory

E *ITS student dormitory consists of 9 buildings and has 518 rooms that available for 1,132 students from various regions in Indonesia. Aside from providing accommodation for domestic student, ITS also provide international dormitory to accommodates a number of foreign students from various countries who studied at ITS.*

I Asrama mahasiswa ITS mempunyai 9 gedung dan memiliki 518 kamar, dengan daya tampung sebanyak 1.132 orang mahasiswa dari berbagai daerah di Indonesia. Tak hanya mahasiswa dalam negeri saja, asrama mahasiswa juga menampung sejumlah mahasiswa asing dari berbagai negara yang menempuh pendidikan di ITS.

Central Cafeteria

E *The ITS central cafetaria is one of the campus facilities provided to serve food and beverages needs for the academic community at ITS. After being renovated in 2011, the cafetaria was designated with glass largely dominates the canteen in combination with brighter lightning and spacious space. The food offered is varied with an affordable price.*

I Kantin pusat ITS merupakan salah satu fasilitas kampus yang disediakan untuk melayani civitas akademika akan kebutuhan makanan dan minuman. Setelah direnovasi pada tahun 2011, kaca yang sebagian besar mendominasi kantin pusat dibuat lebih terang dan luas. Makanan yang ditawarkan pun cukup bervariasi dengan harga yang cukup terjangkau.

Medical Center

E *The ITS Medical Center is the health service for ITS community and public. The services provided include, outpatient services, medical treatment and medical support referrals.*

I Medical Center (Pusat Kesehatan) ITS merupakan layanan kesehatan untuk komunitas ITS maupun khalayak umum. Layanan yang diberikan antara lain : pelayanan pasien rawat jalan, penanganan medis dan rujukan dukungan medis.

Wisma ITS

E *ITS provides accommodation services for ITS guests, student parents, and others. Some of the accommodation services are Wisma Flamboyan, Wisma Bougenville and Wisma Yasmine*

I ITS memberikan layanan akomodasi untuk tamu ITS, orang tua mahasiswa, dan lain-lain. Beberapa layanan akomodasi tersebut antara lain : Wisma Flamboyan, Wisma Bougenville dan Wisma Yasmine

SCC (Student Community Center)

E *The SCC Building is a place to facilitate students to interact and to develop student activities. This three-storey building is also used as the secretariat for student activity unit, BEM and LMB.*

I Gedung SCC merupakan tempat yang memfasilitasi mahasiswa berinteraksi dan mengembangkan berbagai kegiatan kemahasiswaan. Gedung SCC yang terdiri dari tiga lantai, juga digunakan sebagai Sekretariat UKM, BEM dan LMB.

ITS Career and Student Entrepreneurship Center

E *ITS Career Center is a unit to improve student's competence so that they could find a competitive job offer. ITS Career Center also assists ITS in shaping the qualified resources. ITS Career Center provides several programs, such as job search training, student training based on psychological aspects, and job oportunities.*

I PKKM ITS merupakan sebuah unit yang bertujuan untuk meningkatkan kompetensi mahasiswa agar nantinya mereka siap sedia dalam mencari pekerjaan dan juga untuk menyediakan layanan berkelanjutan kepada mahasiswa agar dapat memiliki pekerjaan.

ITS Mosque

E *Most of people in ITS campus, are Muslim. Manarul Ilmi Mosque is the center for Muslim to pray inside campus. Some activities at Manarul Ilmi Mosque are studying, praying, donation, article making, and the availability of a library.*

I Sebagian besar yang ada di kampus ITS, beragama muslim. Masjid ITS sebagai pusat tempat ibadah umat muslim di area kampus. Adapun beberapa aktifitasnya terdiri dari : kajian, beribadah, donasi, pembuatan artikel, ketersediaan perpustakaan.

Student Life

Organization

E *ITS applies various efforts to improve student soft skills. Soft skills could be leadership upgrading, self-management, event management, and managing public opinion. All of those of soft skills can be learned through various way such as training, organization, and community. Organizations that are provided by ITS include: ITS' Student Executive Board, Faculty Student Executive Boardy, Student Representative Council, Student Constitutional Court Students.*

I ITS menerapkan beragam upaya untuk meningkatkan soft skill mahasiswa. Soft skill sendiri dapat meliputi peningkatan kemampuan memimpin (leadership), manajemen diri, manajemen acara, hingga memanajemen opini publik. Semua jenis soft skill tersebut dapat dipelajari lewat berbagai cara seperti pelatihan, organisasi, maupun komunitas. Organisasi yang dinaungi oleh ITS diantaranya: BEM (Badan Eksekutif Mahasiswa) Institut, BEM (Badan Eksekutif Mahasiswa) dan lain-lain.

Interest and Talent

E *In addition to having student executive board and student association, ITS also has a Talent society which houses the Student Activity Unit as a forum for students to learn and to explore new things as well as to improve their skill according to their interest. Student activity unit is almost the same as the extracurricular in high school. There are 38 student activity units in ITS today. Of all ITS student activity units, it can be grouped into four types: Arts (Photography, Choir, Videography, etc), Sports (Bridge, Chess, Badminton, and others) , Martial Fields (Kendo, Kempo, Taekwondo, etc), and special Sectors (Robotics, Menwa, Scouts, etc)*

I Selain memiliki BEM dan HIMA, ITS juga memiliki Lembaga Minat Bakat yang menaungi Unit Kegiatan Mahasiswa (UKM) sebagai wadah mahasiswa untuk mempelajari dan mengeksplor banyak hal baru serta meningkatkan kemampuan dalam bidang yang diinginkan. UKM hampir sama dengan ekstrakulikuler yang ada saat SMA. Terdapat 38 UKM di ITS saat ini. Dari semua UKM di ITS, UKM-UKM tersebut dapat dikelompokkan menjadi empat jenis, yaitu: Bidang Kesenian (UKM Fotografi, Paduan Suara, Videografi, dan lain-lain), Bidang Olahraga (UKM Bridge, Catur, Badminton, dan lain-lain), Bidang Beladiri (UKM Kendo, Kempo, Taekwondo, dan lain-lain), Bidang Khusus (UKM Robotika, Menwa, Pramuka, dan lain-lain)

Gerigi ITS

E *GERIGI ITS is a university's new students orientation period, designed to introduce and showcase the life of the campus, and also to cultivate students's solidarity and kinship*

I GERIGI ITS adalah masa orientasi mahasiswa baru tingkat universitas yang bertujuan untuk memperkenalkan kehidupan kampus serta memupuk rasa solidaritas dan kekeluargaan.

ITS Expo

E *ITS EXPO is an annual event created by ITS students as a mean to showcase and to promote their campus. Also included in the event are talkshow, entertainment and art show, urban market and various competitions.*

I ITS EXPO merupakan ajang bagi mahasiswa ITS untuk memamerkan kampus ITS ke dunia luar. Selain itu juga terdapat kegiatan hiburan berupa entertainment show, pagelaran seni, talkshow, pasar malam, urban market, pameran komunitas, dan lomba-lomba.

Ide Art

E *IDE ART (year 2017 in the picture) is a biannual art event; as a mean for student to channel their creative ideas through art exhibition and also interactive rides that can be enjoyed by visitors.*

I Pameran seni IDE ART 2017 merupakan sarana mahasiswa dalam menyalurkan ide-ide kreatifnya melalui pameran seni dan wahana-wahana interaktif yang dapat dinikmati pengunjung.

Barunastra ITS Team

E *One of student's achievements, a solar-powered ship prototype; recently won a first place in 2021 International Roboboat Competition.*

I Salah satu karya mahasiswa, sebuah prototype kapal bertenaga surya, yang menjadi juara 1 di kompetisi Roboboat 2021.

Graduation Ceremony

E *Graduation ceremony, most awaited day by final year students; is done twice in a one study year.*

I Upacara kelulusan, hari yang ditunggu-tunggu oleh mahasiswa tingkat akhir, dilakukan sebanyak dua kali dalam satu tahun ajaran.

Ichiro ITS Team

E *Sophisticated football robot created by ITS student; recently nabbed the first place in 2018 Robocup competition in Canada*

I Robot canggih yang dapat bermain sepak bola; baru saja meraih juara 1 di Robocup 2018 Kanada.

Sapuangin Car

E *Sapuangin Car, a fuel-efficient car initiated by ITS student, have been awarded the first place in 2021 Shell Eco-Marathon Off-Track Award.*

I Mobil Sapuangin adalah mobil irit bahan bakar hasil inisiasi mahasiswa ITS yang telah berhasil memenangkan juara 1 di kompetisi Shell Eco-Marathon 2021.

Explore Surabaya

The City

E *Surabaya is the second largest metropolitan city in Indonesia after the capital city of DKI Jakarta. Surabaya became a reference city in the field of industry, trade, education, and maritime in the eastern part of Indonesia. Industrial areas are concentrated in Tandes, Benowo, Asemrowo, Rungkut, and Gunung Anyar. These industries include consumer goods industry, chemical industry, large trading industry, garment industry, and others. The progress of these industrial sector has made Surabaya's economy expand rapidly. In 2013, Surabaya's economic growth reached 7.6%. This is higher than the national economic growth figures.*

In addition to the industrial sector, Surabaya also won the Adipura award eight times in a row from the Ministry of Environment. This national level award is given to cities in Indonesia that successfully manage urban hygiene and environment in a sustainable manner.

I Surabaya adalah kota metropolitan terbesar kedua di Indonesia setelah ibu kota DKI Jakarta. Surabaya menjadi kota acuan dalam bidang industri, perdagangan, pendidikan, serta kelautan di wilayah Indonesia bagian Timur. Daerah-daerah industri terpusat di Tandes, Benowo, Asemrowo, Rungkut, dan Gunung Anyar. Industri tersebut meliputi industri barang konsumsi, industri kimia, industri perdagangan besar, industri garmen, dan lainnya. Kemajuan industri tersebut membuat perekonomian Surabaya berkembang pesat. Pada tahun 2013, pertumbuhan ekonominya mencapai 7,6%. Angka ini lebih tinggi dari pertumbuhan ekonomi di Jawa Timur dan Nasional.

Selain sektor industri, Kota Surabaya juga menyabet penghargaan Adipura delapan kali berturut-turut dari Kementerian Lingkungan Hidup. Penghargaan nasional ini diberikan kepada kota di Indonesia yang berhasil mengelola kebersihan dan lingkungan perkotaan secara berkelanjutan.

The People

E *Surabaya is famous for its nickname "City of Heroes". In accordance with the nickname, Surabaya people is known for being expressive and extroverted, full of determination, and bold. The typical suroboyoan dialect becomes the identity of arek suroboyo—the nickname for Surabaya people. Even so, the people of Surabaya are very open to newcomers, and will be happy to welcome you to become part of their community.*

I Surabaya terkenal dengan julukan kota pahlawan. Sesuai dengan julukan tersebut, masyarakat Surabaya terkenal ekspresif dan terbuka dalam berkomunikasi, memiliki tekad kuat, dan tegas. Dialek suroboyoan yang khas menjadi identitas arek suroboyo (julukan orang Surabaya). Meski begitu, masyarakat Surabaya sangat terbuka pada pendatang baru baik dari dalam maupun luar negeri, dan akan dengan senang hati menerima Anda menjadi bagian dari komunitasnya.

The Food

E *East Java culinary generally has a tendency to taste salty. Located on the coast, the availability of seafood in Surabaya is very abundant throughout the year. The famous food menu is iga penyet (beef ribs), soto (chicken soup), rawon (dark beef soup, rujak cingur (spicy salad with beef lips), and many more. Your tongue won't be bored because the various food with rich flavors are ready to pamper you during your stay in Surabaya.*

I Kuliner Jawa Timur umumnya memiliki cita rasa cenderung asin. Terletak di pesisir, ketersediaan seafood di Surabaya sangat berlimpah sepanjang tahun. Menu makanan yang terkenal adalah iga penyet, soto ayam, rawon, rujak cingur, dan sebagainya. Lidah Anda tidak akan bosan karena berbagai menu dengan citarasa beragam siap memanjakan Anda selama tinggal di Surabaya.

Accomodation

E *Students from outside Surabaya has 3 accomodation options: room rent, apartment, or dormitory.*

- *Boarding room rent around ITS spread in ITS triangle namely Mulyosari area, Gebang, and Keputih. Room rates vary based on room types, starting from IDR 300.000 to above IDR 1 million per month, depends on the facilities and location. Students can also rent a boarding room in ITS lecturers housing with more secure security because it is located in the campus area.*
- *There are also various options for apartment around ITS. For students looking for a place to live with better security and privacy, the apartment is the right choice. The rental price range is IDR 2 million to IDR 4 million per month.*
- *Another option is the ITS student dormitory located in the southern part of the campus area. Rental rates vary depending on the type of room available.*

I Mahasiswa dari luar Surabaya memiliki 3 opsi tempat tinggal : kost, apartemen, atau asrama.

- *Kamar kost di sekitar ITS tersebar di segitiga ITS yaitu daerah Mulyosari, Gebang, dan Keputih. Harga sewa kost berdasarkan tipe kamar yang tersedia, mulai dari Rp 300.000 hingga di atas Rp 1.000.000 per bulan. Mahasiswa juga bisa menyewa kamar kost di perumahan dosen ITS dengan kemanan yang lebih terjamin karena terletak di area kampus.*
- *Bagi mahasiswa yang ingin tempat tinggal dengan keamanan dan privasi lebih terjaga, apartemen merupakan pilihan yang tepat. Kisaran harga sewa adalah 2 juta rupiah sampai 4 juta rupiah per bulan.*
- *Pilihan lainnya adalah asrama mahasiswa ITS yang terletak di bagian selatan area kampus. Harga sewa bervariasi tergantung jenis kamar yang tersedia.*

Career After Graduation

E *ITS has one of the highest employment rate in the country. Many of ITS graduates have succeed in various field of industry such as government agencies (including BUMN), private companies, non-profit organizations, and own business. This proves the quality of ITS graduates wbo are able to compete with other university graduate.*

I ITS menghasilkan lulusan dengan tingkat penyerapan tenaga kerja yang tinggi di Indonesia. Alumni ITS telah sukses berkiprah di berbagai bidang industri baik di instansi pemerintah (termasuk BUMN), perusahaan swasta, organisasi non-profit, maupun memiliki usaha sendiri. Hal ini membuktikan kualitas lulusan ITS yang mampu bersaing dengan lulusan universitas lain.

4 MONTHS

Average waiting time for graduate to land on their first job

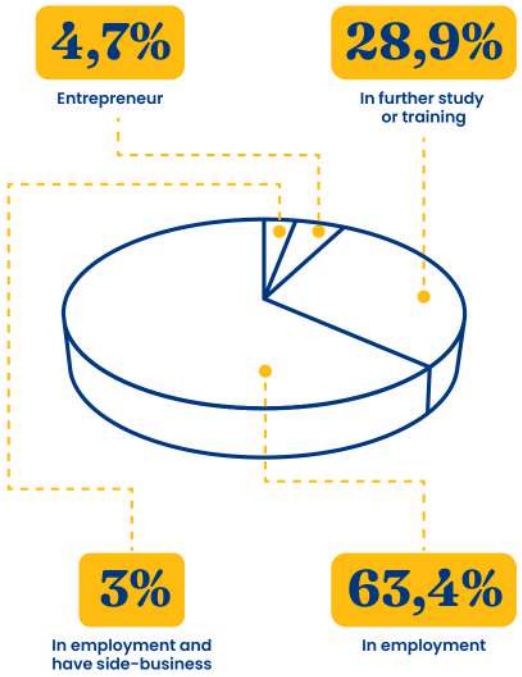
73%

Working in the field related to 73% their major

Career Destination

E *We offer a wide range of course in science, engineering, and design that today's industry needs. Supported with accreditation and certification, our graduates are sought after national and multinational company for their high-quality hardskills and softskils.*

I Kami menawarkan berbagai disiplin ilmu teknik, desain, dan manajemen yang dibutuhkan industri saat ini. Didukung dengan akreditasi dan sertifikasi, lulusan kami banyak dicari oleh perusahaan karena memiliki kualitas yang mumpuni. Berikut merupakan data yang dihimpun melalui Tracer Study tahun 2017 mengenai lulusan kami :



Soft Skill

E *We encourage our students to develop their softskill through student organization as well as other non-academic activities in the campus. These activities have proved to be able hone our students' leadership skills, time-management skills, and communication skills. It's these skills that employers look for in our graduates.*

I Selama di ITS, mahasiswa selalu diberikan dukungan untuk mengembangkan softskill baik melalui kegiatan organisasi mahasiswa maupun kegiatan non-akademik lainnya yang tersedia. Kegiatan-kegiatan ini terbukti mampu mengasah kemampuan kepemimpinan, time-management, dan komunikasi lulusan kami. Softskill tersebut sangat dibutuhkan di industri dan mengantarkan lulusan kami mendapatkan pekerjaan impiannya.

ITS Career Center

E *We provide various services for jobseeker/alumni and current students to guide them in their first job. Our staffs will help you develop your softskills as well as planning your future career.*

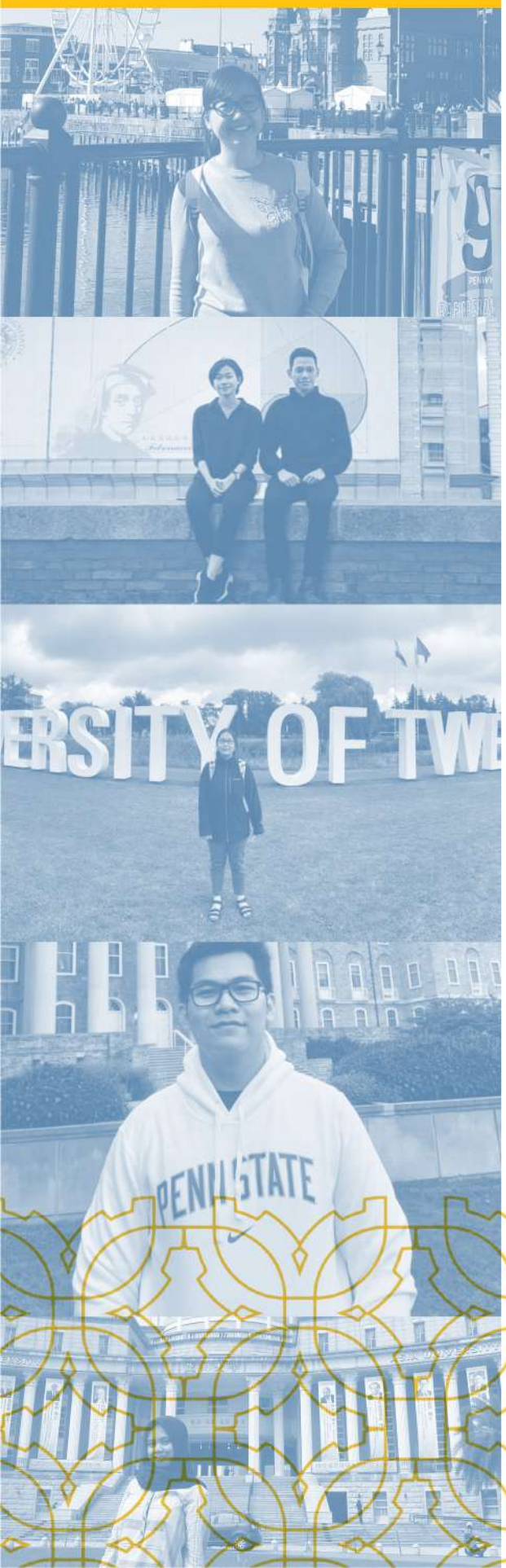
I Salah satu upaya yang kami lakukan untuk membantu lulusan ITS adalah menyediakan berbagai macam layanan bagi jobseeker/alumni dan mahasiswa. Staf kami akan membantu Anda mengembangkan softskill dan merencanakan karir masa depan Anda.

ITS Career Service

E *Careers consultations, Softskills improvement program for graduate, Seminar/Workshop on career development, Psychological test and academic potential test, Online resources for job and internship vacancies Career exchange and networking session every semester*

I Konsultasi Karir, Program peningkatan kompetensi lulusan, Seminar/Workshop pengembangan karir, Tes psikologi dan Tes Potensi Akademik, Informasi lowongan pekerjaan dan magang secara online, Event bursa karir setiap semester

Service lists and schedule can be accessed through : **https://careers.its.ac.id/**



International Student

E *We invite undergraduate and graduate students from all over the world to take 1-2 semester non-degree study at ITS. This program usually called student mobility, student exchange, or study abroad program. This can be done with or without exchange agreement between ITS and students' home university. Students can study for 1 semester with no tuition fee. However, if they want to extend their study to the 2nd semester, they have to pay the tuition fee with local student's tuition fee.*

I Kami mengundang mahasiswa/i sarjana dan pascasarjana dari seluruh dunia untuk mengambil program non-gelar selama 1-2 semester di ITS. Program ini biasanya disebut student mobility, student exchange, atau program study abroad. Hal ini dapat dilakukan dengan atau tanpa kesepakatan pertukaran antara ITS dan universitas asal mahasiswa. Mahasiswa dapat belajar selama 1 semester tanpa perlu membayar biaya kuliah. Namun, mahasiswa yang ingin memperpanjang masa studi menjadi 2 semester wajib membayar biaya kuliah sesuai biaya kuliah mahasiswa lokal.

Please check this link to see universities who have agreementwith ITS, including subagreement on free dormitory:
www.international.its.ac.id/mou_search/

For course selection and admission please contact us at ***international@its.ac.id***

Internship

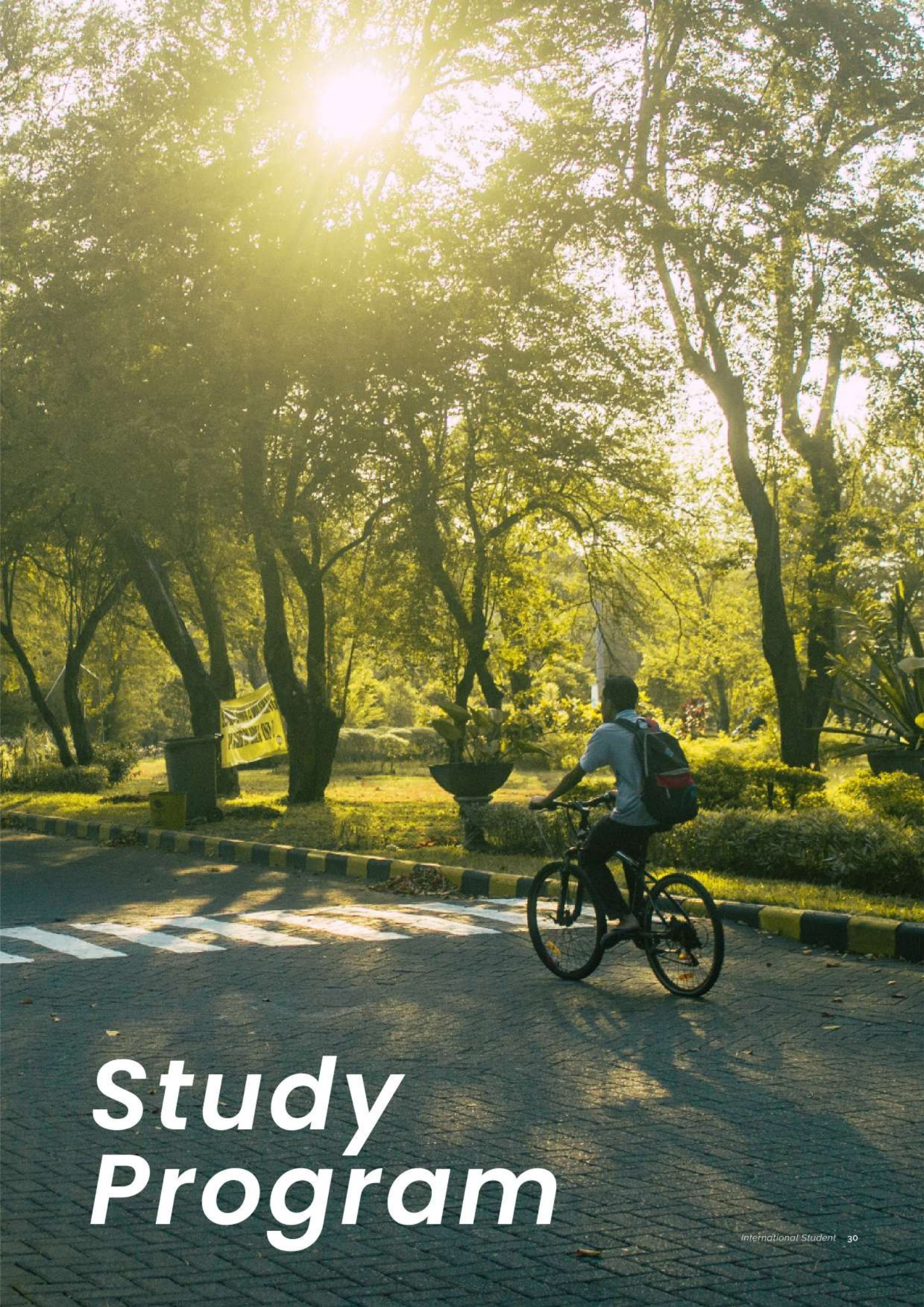
E *ITS provides opportunities for students from all over the world to have an internship experience at ITS laboratories (lab-based) or industries (industrial-based) that have relationship to ITS. Students may choose to do the internship for 1-4 months.*

I ITS memberi kesempatan bagi mahasiswa dari seluruh dunia untuk memiliki pengalaman magang di laboratorium ITS (lab-based) atau industri (industrial-based) yang memiliki hubungan dengan ITS. Mahasiswa dapat memilih untuk melakukan magang selama 1-4 bulan.

Customized Short Program

E *In addition to our bi-annual international short course program, CommTECH (Community and Technological Camp). ITS is also willing to organize customized short-programs for minimum 15 participants based on specifics request. The program could be credit or non-credit program at any topic in ITS's expertises. Schedule, content, and course fee could be discussed to suit your need.*

I Selain program kursus singkat internasional dua tahunan kami, CommTECH (Community and Technological Camp), ITS juga bersedia untuk menyelenggarakan program singkat sesuai kebutuhan dengan syarat minimal 15 peserta. Program ini dapat berupa program kredit atau non-kredit pada topik apapun dalam lingkup keahlian ITS. Jadwal, konten, dan biaya per mata kuliah dapat didiskusikan sesuai kebutuhan Anda.



Study Program

INFORMATICS

EN **The Department of Informatics ITS (DIF ITS)** was founded in 1985, under the Faculty of Industrial Engineering. In 2006, DIF ITS achieved 'A' accreditation from Badan Akreditasi Nasional Perguruan Tinggi (BAN-PT) from the Directorate of Higher Education Indonesia. The DIF ITS received several grants to strengthen our academic competence, such as PHK A3 from the Directorate of Higher Education Indonesia (year 2007), JICA Predict from Japan (year 2009), International ASIIN Accreditation grant and PKKM grant for the Freedom of Study from the Ministry of Education and Culture Indonesia (year 2020 and 2021 respectively). The DIF graduates' competences are in in software programming, network security & infromation technology, etc. The DIF supports the educational process with high qualification lecturers (professor, doctoral and maste), advanced laboratories and workshops, smart classrooms, a reading room, prayer room, multipurpose hall, cafeteria, and sports facilities.

IN **Departemen Informatika ITS (DIF ITS)** didirikan pada tahun 1985, di bawah Fakultas Teknik Industri. Pada tahun 2006, DIF ITS meraih akreditasi 'A' dari Badan Akreditasi Nasional Perguruan Tinggi (BAN-PT) dari Direktorat Pendidikan Tinggi Indonesia. DIF ITS menerima beberapa hibah untuk memperkuat kompetensi akademik kami, seperti PHK A3 dari Direktorat Pendidikan Tinggi Indonesia (tahun 2007), JICA Predict dari Jepang (tahun 2009), hibah Akreditasi ASIIN Internasional (tahun 2020) dan hibah

PKKM untuk program Merdeka Belajar dari Kementerian Pendidikan dan Kebudayaan Indonesia (masing-masing tahun 2021 sampai 2023). Kompetensi lulusan DIF di bidang pemrograman perangkat lunak, keamanan jaringan & teknologi informasi, dll. DIF mendukung proses pendidikan dengan dosen berkualifikasi tinggi (profesor, doktor dan master), laboratorium dan bengkel canggih, ruang kelas pintar, ruang baca, doa ruangan, aula serbaguna, kafetaria, dan fasilitas olahraga.

Course Structure

- **Semester 1-2** (Preparation Phase)
- **Semester 3-8** (Undergraduate Phase)

Year 1

Semester 1	Mathematics I	Physics I	Chemistry I	Fundamental Programming	Indonesian Language	Pancasila	
Semester 2	Mathematics II	Physics II	Data Structure	Digital System	Religion	English	Civics

Year 2

Semester 3	Linear Algebra	Numerical Computation	Discrete Mathematics	Computer Organization	Object Oriented Programming	Database System
Semester 4	Analysis and Design of Information Systems	Artificial Intelligence	Database Management	Desain & Analysis Algorithms	Probabilistic & Statsitic	Operating System

Year 3

Semester 5	Software Design	Computational Intelligence	Computer Graphics	Web Programming	Computer Networks	Software Project Management
Semester 6	Human-Computer Interactions	Network Programming	Requirement Engineering	Graph Theory & Automata	Framework Programming	Elective Course 1

Year 4

Semester 7	Techno-preneurship	Network & Information Security	Pre-Final Project	Elective Course 2	Elective Course 3	Elective Course 4
Semester 8	On-Job Training	Final Project	Elective Course 5	Knowledge and Technological Applications	Enrichment Course	

Specializations

During their education, students of Informatics can choose one of the eight specializations provided. Specialization is highly related to the elective courses and the topic of final project.

1. Algorithm and Programming
2. Computer Network Architecture
3. Applied Computing and Modelling
4. Graphics, Interactions, and Game
5. Net Centric Computing
6. Intelligent Computing and Vision
7. Intelligent Information Management
8. Software Engineering

Career Options

1. Software Engineer/Developer:
2. System Developer:
3. Web Engineer/Developer:
4. Computer Network Specialist:
5. Database Specialist:
6. IT Consultant:
7. IT Trainer:
8. Game Engineer/Developer:
9. Mobile Apps Developer:
10. Security Specialist:
11. Data Analyst:
12. Software Project Manager:

Partner Universities and International Exposure

In collaboration with our overseas partners, students at the Informatics Department have opportunities to study abroad through our various mobility programs. The IUP in Informatics provides opportunities for students to take part in any international mobility in one of our partner universities, in the form of; Short Academic Program/Course, International Internship, Joint/Double Degree, Semester Exchange.

Joint Degree (JD) partners:

1. **University of Queensland (UQ),** Australia
2. **Tomsk State University (TSU),** Russia
3. **Universiti Teknologi Petronas (UTP),** Malaysia

Student exchange partnerts (some):

1. Cardiv University, UK
2. Thessaloniki, Greece
3. naka No Mado, Sasayama, Jepang
4. Kanagawa Institute of Technology
5. Dankook, University
6. Fontys University
7. Kumamoto University
8. Ajoo University
9. Codebrick, Korea Selatan
10. Hiroshima
11. Shibaura Institute of Technology, Tokyo
12. Chulalangkorn University, Thailand
13. NTUST, Taiwan
14. Asia University Taichung, College of Information and Electrical Engineering
15. Hanze University
16. Kumamoto University
17. Okanagan College
18. Asia University
19. Hiroshima University
20. Istanbul Aydin University
21. NTU, NUS, Lasalle
22. Universiti Malaya
23. University of Fukui
24. University of Applied Sciences in Nysa
25. National Chung Cheng University
26. Chung Ang Uni
27. Memorial University of Newfoundland
28. University of Granada
29. University of Pisa
30. Amari Pattaya, Chonburi
31. National Taiwan University of Science and Technology
32. Universiti Teknologi Malaysia

more information contact/
Informasi lebih lanjut hubungi:
Official Department of Informatics

tinformatika@its.ac.id

DISCOVER MORE

http://www.its.ac.id/admission/

REKTORAT

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