



UI GREEN METRIC WORLD UNIVERSITY

SILPAKORN UNIVERSITY

UI GREEN METRIC SUSTAINABILITY REPORT 2026



SCAN ME :

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INTRODUCTION

SILPAKORN UNIVERSITY IS PRESENTLY UNDER THE SUPERVISION OF THE OFFICE OF THE HIGHER EDUCATION COMMISSION, THE MINISTRY OF EDUCATION AND WAS ORIGINALLY ESTABLISHED AS THE SCHOOL OF FINE ARTS UNDER THE FINE ARTS DEPARTMENT IN 1933. PRIMARILY, THE SCHOOL HAS OFFERED THE ONLY STUDYING PROGRAMS IN PAINTING AND SCULPTURE BY WAIVING TUITION FEES FOR THE GOVERNMENT OFFICERS AND THE STUDENTS. ITS INCEPTION AND DEVELOPMENT OWED MUCH TO AN ALMOST LIFETIME DEVOTION OF PROFESSOR SILPA BHIRASRI, AN ITALIAN SCULPTOR (PREVIOUSLY CALLED PROFESSOR CORRADO FEROCI) WHO WAS COMMISSIONED DURING THE REIGN OF KING RAMA VI TO WORK IN THE FINE ARTS DEPARTMENT. HE SUBSEQUENTLY ENLARGED THE CLASSES TO INCLUDE GREATER MEMBERS OF THE INTERESTED PUBLIC BEFORE TAKING HIS INITIATIVE IN SETTING UP THE SCHOOL OF FINE ARTS. THE SCHOOL GRADUALLY DEVELOPED AND WAS OFFICIALLY ACCORDED A NEW STATUS AND NAMED

SILPAKORN UNIVERSITY,

ON 12 OCTOBER 1943. IN THE EARLY PHASE OF ITS DEVELOPMENT, ITS INAUGURAL FACULTY WAS THE FACULTY OF PAINTING AND SCULPTURE (PRESENTLY IS NAMED THE FACULTY OF PAINTING SCULPTURE AND GRAPHIC ARTS). SINCE 1955, THE FACULTY OF THAI ARCHITECTURE WAS ESTABLISHED (LATER CHANGED THE NAME INTO THE FACULTY OF ARCHITECTURE) AND TWO MORE FACULTIES WERE CONSECUTIVELY ESTABLISHED TO ACCOMMODATE THE UNIVERSITY'S GROWING ACADEMIC INTERESTS, NAMELY, THE FACULTY OF ARCHAEOLOGY AND THE FACULTY OF DECORATIVE ARTS IN 1966, **SILPAKORN UNIVERSITY** ADOPTED

A POLICY TO DIVERSIFY THE ACADEMIC FOCUS OF ITS FOUR FACULTIES INTO SUB-SPECIALIZATIONS TO MEET ITS EXPANDING ACADEMIC INTERESTS AND ACTIVITIES.

HOWEVER, DUE TO LIMITED PHYSICAL SPACE AT THE WANG THA PHRA CAMPUS, A NEW CAMPUS WAS ESTABLISHED AT SANAM CHANDRA PALACE IN NAKHON PATHOM PROVINCE, LOCATED ON THE FORMER RESIDENTIAL GROUNDS OF KING RAMA VI.

THE FIRST TWO FACULTIES AT THIS CAMPUS WERE THE FACULTY OF ARTS (1968)

AND THE FACULTY OF EDUCATION (1969).

THREE MORE FACULTIES WERE LATER ADDED: THE FACULTY OF SCIENCE IN 1972, THE FACULTY OF PHARMACY IN 1985, AND THE FACULTY OF ENGINEERING AND INDUSTRIAL TECHNOLOGY IN 1991 (ORIGINALLY CALLED THE FACULTY OF INDUSTRIAL TECHNOLOGY).

IN 1999, THE FACULTY OF MUSIC WAS FOUNDED,

FURTHER ENHANCING THE UNIVERSITY'S ACADEMIC EXCELLENCE AND SPECIALIZATION IN THE ARTS.

TO EXTEND ITS EDUCATIONAL CAPACITY, **SILPAKORN UNIVERSITY** ESTABLISHED A NEW CAMPUS IN PHETCHABURI PROVINCE IN 1997 TO PROMOTE HIGHER EDUCATION IN THE WESTERN PROVINCES OF THAILAND.

THIS CAMPUS WAS NAMED THE PHETCHABURI INFORMATION TECHNOLOGY CAMPUS.

THE FACULTY OF ANIMAL SCIENCES AND AGRICULTURAL TECHNOLOGY

AND THE FACULTY OF MANAGEMENT SCIENCE WERE ESTABLISHED IN 2001 AND 2002, RESPECTIVELY, AT THE PHETCHABURI CAMPUS. IN 2003, THE FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)

AND **SILPAKORN UNIVERSITY** INTERNATIONAL COLLEGE (SUIC)

WERE ALSO FOUNDED TO OFFER INTERNATIONAL CURRICULA IN VARIOUS ACADEMIC FIELDS.



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SILPAKORN UNIVERSITY
SANAM CHANDRA PALACE | PHETCHABURI INFORMATION TECHNOLOGY

SETTING AND INFRASTRUCTURE





SILPAKORN UNIVERSITY IS CURRENTLY UNDER THE SUPERVISION OF THE OFFICE OF THE HIGHER EDUCATION COMMISSION, MINISTRY OF EDUCATION. IT WAS ORIGINALLY ESTABLISHED AS THE SCHOOL OF FINE ARTS UNDER THE FINE ARTS DEPARTMENT IN 1933. INITIALLY, THE SCHOOL OFFERED PROGRAMS ONLY IN PAINTING AND SCULPTURE.

THE UNIVERSITY OWES MUCH OF ITS INCEPTION AND DEVELOPMENT TO THE LIFE-LONG DEDICATION OF PROFESSOR SILPA BHIRASRI, AN ITALIAN SCULPTOR (FORMERLY KNOWN AS PROFESSOR CORRADO FEROCI). HE WAS COMMISSIONED DURING THE REIGN OF KING RAMA VI TO WORK IN THE FINE ARTS DEPARTMENT AND LATER EXPANDED THE CLASSES TO INCLUDE A BROADER PUBLIC. HIS EFFORTS LED TO THE FOUNDING OF THE SCHOOL OF FINE ARTS. OVER TIME, THE SCHOOL EVOLVED AND WAS OFFICIALLY RENAMED **SILPAKORN UNIVERSITY** ON OCTOBER 12, 1943. IN ITS EARLY DEVELOPMENT, THE FIRST FACULTY ESTABLISHED WAS THE FACULTY OF PAINTING AND SCULPTURE, NOW KNOWN AS THE FACULTY OF PAINTING, SCULPTURE, AND GRAPHIC ARTS. IN 1955, THE FACULTY OF THAI ARCHITECTURE WAS FOUNDED (LATER RENAMED THE FACULTY OF ARCHITECTURE), AND ADDITIONAL FACULTIES WERE ESTABLISHED TO ACCOMMODATE THE UNIVERSITY'S GROWING ACADEMIC INTERESTS, INCLUDING THE FACULTY OF ARCHAEOLOGY AND THE FACULTY OF DECORATIVE ARTS.

IN 1966, **SILPAKORN UNIVERSITY** ADOPTED A POLICY TO DIVERSIFY THE ACADEMIC FOCUS OF ITS FOUR FACULTIES INTO SUB-SPECIALIZATIONS TO MEET ITS EXPANDING ACADEMIC INTERESTS AND ACTIVITIES. HOWEVER, DUE TO LIMITED PHYSICAL SPACE AT THE WANG THA PHRA CAMPUS, A NEW CAMPUS WAS ESTABLISHED AT SANAM CHANDRA PALACE IN NAKHON PATHOM PROVINCE, LOCATED ON THE FORMER RESIDENTIAL GROUNDS OF KING RAMA VI. THE FIRST TWO FACULTIES AT THIS CAMPUS WERE THE FACULTY OF ARTS (1968) AND THE FACULTY OF EDUCATION (1969). THREE MORE FACULTIES WERE LATER ADDED: THE FACULTY OF SCIENCE IN 1972, THE FACULTY OF PHARMACY IN 1985, AND THE FACULTY OF ENGINEERING AND INDUSTRIAL TECHNOLOGY IN 1991 (ORIGINALLY CALLED THE FACULTY OF INDUSTRIAL TECHNOLOGY). IN 1999, THE FACULTY OF MUSIC WAS FOUNDED, FURTHER ENHANCING THE UNIVERSITY'S ACADEMIC EXCELLENCE AND SPECIALIZATION IN THE ARTS. TO EXTEND ITS EDUCATIONAL CAPACITY, **SILPAKORN UNIVERSITY** ESTABLISHED A NEW CAMPUS IN PHETCHABURI PROVINCE IN 1997 TO PROMOTE HIGHER EDUCATION IN THE WESTERN PROVINCES OF THAILAND. THIS CAMPUS WAS NAMED THE PHETCHABURI INFORMATION TECHNOLOGY CAMPUS. THE FACULTY OF ANIMAL SCIENCES AND AGRICULTURAL TECHNOLOGY AND THE FACULTY OF MANAGEMENT SCIENCE WERE ESTABLISHED IN 2001 AND 2002, RESPECTIVELY,

AT THE PHETCHABURI CAMPUS. IN 2003, THE FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) AND **SILPAKORN UNIVERSITY** INTERNATIONAL COLLEGE (SUIC) WERE ALSO FOUNDED TO OFFER INTERNATIONAL CURRICULA IN VARIOUS ACADEMIC FIELDS. ADDITIONALLY, **SILPAKORN UNIVERSITY** ESTABLISHED A GRADUATE SCHOOL IN 1972 TO MANAGE AND FACILITATE ALL GRADUATE PROGRAMS OFFERED BY THE UNIVERSITY.



THE AREAS OF THE TWO CAMPUS SITES ARE AS FOLLOWS:

1. **SANAM CHANDRA PALACE CAMPUS:** 661,305 M² OR 163.41 ACRES.
2. **PHETCHABURI INFORMATION TECHNOLOGY CAMPUS:** 1,046,277 M² OR 258.54 ACRES.

FOR THE UI GREEN METRIC 2026, THE AREAS OF THE SANAM CHANDRA PALACE CAMPUS AND THE PHETCHABURI INFORMATION TECHNOLOGY CAMPUS WILL BE CONSIDERED, THE CAMPUS AREA, THE NUMBER OF STUDENTS AND STAFF, IS INSIGNIFICANT COMPARED TO THE OTHER CAMPUSES. THEREFORE, THE TOTAL AREA OF **SILPAKORN UNIVERSITY** INCLUDED IN THIS REPORT IS 1,707,582 SQUARE METERS OR 421.95 ACRES.



THA PHRA PALACE CAMPUS

ADDRESS:

31 NA PHRA LAN ROAD, PHRA NAKHON DISTRICT,
BANGKOK 10200, THAILAND

MAIN TELEPHONE: +66 2 105 4686



SANAM CHANDRA PALACE CAMPUS

ADDRESS:

6 RAJAMANKHA NAI ROAD, MUEANG NAKHON PATHOM
DISTRICT, NAKHON PATHOM 73000, THAILAND

MAIN TELEPHONE: +66 34 109 686

AREA: 661,305 M² (163.41 ACRES)



PHETCHABURI INFORMATION TECHNOLOGY CAMPUS

ADDRESS:

1 MOO 3, CHA-AM-PRAN BURI ROAD,
SAM PHRAYA SUBDISTRICT, CHA-AM DISTRICT,
PHETCHABURI 76120, THAILAND

MAIN TELEPHONE: +66 32 899 686

AREA: 1,046,277 M² (258.54 ACRES)



SILPAKORN UNIVERSITY SANAM CHANDRA PALACE CAMPUS

SANAM CHANDRA PALACE CAMPUS IS LOCATED IN NAKHON PATHOM PROVINCE, ABOUT 50 KILOMETERS WEST OF THAILAND'S CAPITAL, BANGKOK. NAKHON PATHOM'S POPULATION IN 2025 IS ESTIMATED TO BE 794,000. THE POPULATION OF SILPAKORN UNIVERSITY, SANAM CHANDRA PALACE CAMPUS, IS APPROXIMATELY 19,300, INCLUDING 17,647 STUDENTS, 736 ACADEMIC STAFF AND 917 ADMINISTRATIVE STAFF.



SILPAKORN UNIVERSITY PHETCHABURI INFORMATION TECHNOLOGY CAMPUS

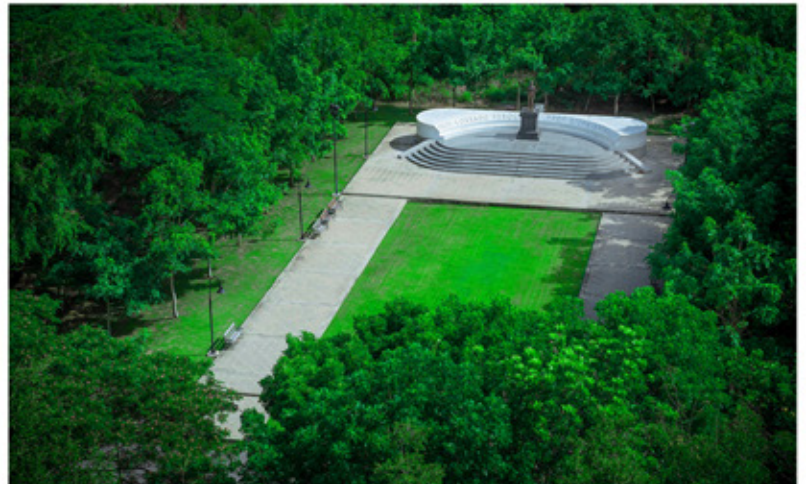
SILPAKORN UNIVERSITY, PHETCHABURI INFORMATION TECHNOLOGY CAMPUS, IS LOCATED IN PHETCHABURI PROVINCE. IN 2026, THE POPULATION OF PHETCHABURI PROVINCE WAS 483,968, CONSISTING OF 232,794 MALES AND 251,174 FEMALES, ACCORDING TO THE SAME POPULATION STATISTICS SOURCE (DEPARTMENT OF PROVINCIAL ADMINISTRATION, 2026).

1.1
TYPE OF HIGHER EDUCATION INSTITUTION
ประเภทสถาบันอุดมศึกษา
COMPREHENSIVE

1.2
CLIMATE
ภูมิอากาศ
TROPICAL WET

1.3
NUMBER OF CAMPUS SITES
จำนวนวิทยาเขต
3 CAMPUS SITES
- WANG THA PHRA CAMPUS
- SANAM CHANDRA PALACE CAMPUS
- PHETCHABURI INFORMATION TECHNOLOGY CAMPUS

1.4
CAMPUS SETTING
ที่ตั้งวิทยาเขต
URBAN



1.5
TOTAL CAMPUS AREA
พื้นที่ทั้งหมดของวิทยาเขต
THE TOTAL AREA OF SILPAKORN UNIVERSITY INCLUDED IN THIS REPORT, COVERING BOTH THE SANAM CHANDRA PALACE CAMPUS AND THE PHETCHABURI INFORMATION TECHNOLOGY CAMPUS, IS 1,707,582 M² OR 421.95 ACRES.

1.6
TOTAL CAMPUS GROUND FLOOR AREA OF BUILDINGS
พื้นที่ชั้นล่างทั้งหมดของอาคารภายในวิทยาเขต
THE TOTAL GROUND FLOOR AREA OF THE BUILDINGS IS 126,142 M², CONSISTING OF 108,942 M² FROM THE SANAM CHAN PALACE CAMPUS AND 17,200 M² FROM THE PHETCHABURI INFORMATION TECHNOLOGY CAMPUS.

1.7
TOTAL CAMPUS BUILDINGS AREA
พื้นที่อาคารทั้งหมดของวิทยาเขต
THE TOTAL BUILDING AREA OF THE UNIVERSITY IS 516,497 M², COMPRISING 439,097 M² FROM THE SANAM CHAN PALACE CAMPUS AND 77,400 M² FROM THE PHETCHABURI INFORMATION TECHNOLOGY CAMPUS.

1.8
THE RATIO OF OPEN SPACE AREA TO TOTAL AREA
อัตราส่วนของพื้นที่เปิดโล่งต่อพื้นที่ทั้งหมด
THE RATIO OF OPEN SPACE TO THE TOTAL AREA IS 92.61%



1.9 TOTAL AREA ON CAMPUS COVERED IN FOREST VEGETATION USED FOR RE- SEARCH, TEACHING, AND/OR COMMUNITY ENGAGEMENT

พื้นที่ทั้งหมดของวิทยาเขตปลูกด้วยพืชป่า เพื่อการวิจัย การสอน และ/หรือการมีส่วนร่วมของชุมชน

THEREFORE, THE RATIO OF OPEN SPACE TO TOTAL AREA IS 92.68%.

THE PORTION OF THE CAMPUS COVERED BY FOREST VEGETATION ACCOUNTS FOR 34.87% CALCULATED AS FOLLOWS: $(595,382/1,707,582) \times 100$.
WHILE PLANTED VEGETATION COVERS 40.59% OF THE CAMPUS CALCULATED AS FOLLOWS: $(693,611/1,707,582) \times 100$.

ADDITIONALLY, THE AREA DEDICATED TO WATER ABSORPTION, EXCLUDING FOREST AND PLANTED VEGETATION, CONSTITUTES 15.19% OF THE TOTAL CAMPUS AREA , CALCULATED AS FOLLOWS: $(259,320/1,707,582) \times 100$.

TOTAL FOREST VEGETATION AREA: 595,382 M²



THE AREA DEDICATED TO WATER ABSORPTION, EXCLUDING FOREST AND PLANTED VEGETATION, CONSTITUTES 15.80% OF THE TOTAL CAMPUS AREA , CALCULATED AS FOLLOWS:
 $(269,820/1,707,582) \times 100\%$.
TOTAL PLANTED VEGETATION AREA: 682,611 M²
TOTAL AREA: 1,707,582 M²
PERCENTAGE AREA: 39.98%



1.10 TOTAL AREA ON CAMPUS COVERED IN PLANTED VEGETATION

พื้นที่ทั้งหมดของวิทยาเขตปกคลุมด้วยพืชพรรณ แปลงผัก

TOTAL PLANTED VEGETATION AREA: 693,111 M²

PERCENTAGE AREA: 40.59%



TOTAL AREA ON CAMPUS COVERED IN FOREST VEGETATION



THE RATIO OF OPEN SPACE TO TOTAL AREA IS 92.68%.

THE PORTION OF THE CAMPUS COVERED BY FOREST VEGETATION ACCOUNTS FOR 34.87% CALCULATED AS FOLLOWS: $(595,382/1,707,582) \times 100$. WHILE PLANTED VEGETATION COVERS 40.59% OF THE CAMPUS CALCULATED AS FOLLOWS: $(693,611/1,707,582) \times 100$.

ADDITIONALLY, THE AREA DEDICATED TO WATER ABSORPTION, EXCLUDING FOREST AND PLANTED VEGETATION, CONSTITUTES 15.19% OF THE TOTAL CAMPUS AREA, CALCULATED AS FOLLOWS: $(259,320/1,707,582) \times 100$.

TOTAL PLANTED VEGETATION AREA: 693,111 M²

TOTAL AREA: 1,707,582 M²

PERCENTAGE AREA: 40.59%



**1.11
TOTAL NUMBER OF REGULAR STUDENTS**

จำนวนนักศึกษาทั้งหมดที่ลงทะเบียน
32,318 REGULAR STUDENTS

**1.12
TOTAL NUMBER OF ONLINE STUDENTS**

จำนวนนักศึกษาทั้งหมดที่ลงทะเบียนเรียนออนไลน์
1,155 ONLINE STUDENTS

**1.13
TOTAL NUMBER OF ACADEMIC AND ADMINISTRATIVE STAFF**

จำนวนบุคลากรทั้งหมด ทั้งสายวิชาการและสายสนับสนุน
3,020 ACADEMIC AND ADMINISTRATIVE STAFF

**1.14
THE TOTAL OPEN SPACE AREA DIVIDED BY THE TOTAL CAMPUS POPULATION**

จำนวนพื้นที่เปิดโล่งต่อจำนวนประชากรทั้งหมดของวิทยาเขต
44.75 M²/PERSON

1.15 CAMPUS FACILITIES FOR DISABLE, SPECIAL NEEDS AND/OR MATERNITY CARE

สิ่งอำนวยความสะดวกในวิทยาเขตสำหรับความต้องการพิเศษหรือการดูแลการคลอดบุตร

SILPAKORN UNIVERSITY IS DEDICATED TO THE PLEDGE OF ENSURING THAT ALL DISABLED STUDENTS AND STAFF CAN ENJOY A HIGH QUALITY OF LIFE AND EQUALITY ON CAMPUS. TO PROMOTE THE PRINCIPLE OF FULL INCLUSION AND ENHANCE ACCESSIBILITY TO ALL AREAS, THE UNIVERSITY HAS INITIATED AND STRICTLY IMPLEMENTED THE INSTALLATION OF ESSENTIAL ACCESSIBILITY FEATURES IN EVERY BUILDING. THIS IS IN LINE WITH OUR CORE MISSION TO DEVELOP SUSTAINABLE AND EQUITABLE INFRASTRUCTURE FOR EVERYONE, WHICH CAN BE DESCRIBED AS FOLLOWS:



1. PEDESTRIAN WALKWAY

THE CONCRETE PEDESTRIAN WALKWAY WITHIN THE CAMPUS IS DESIGNED TO PROVIDE SAFE AND CONVENIENT ACCESS BETWEEN BUILDINGS AND ACTIVITY AREAS. SURROUNDED BY GREEN SPACES AND A WATER FEATURE, IT OFFERS A PLEASANT AND RELAXING ENVIRONMENT FOR WALKING AND RECREATION.



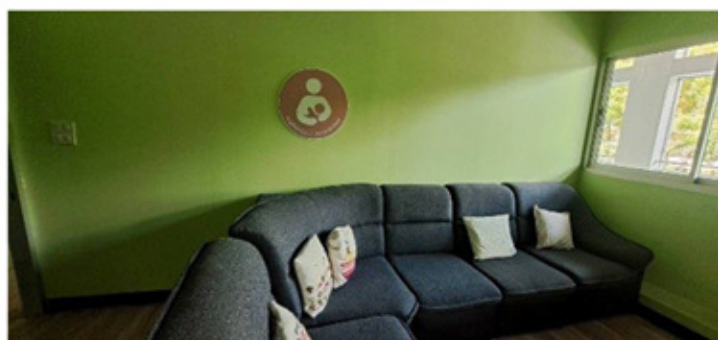
2. STOP SIGN

THE "STOP" MARKING ON THE ROAD IS A TRAFFIC CONTROL SYMBOL THAT REQUIRES DRIVERS TO COME TO A COMPLETE STOP BEFORE ENTERING AN INTERSECTION OR CROSSING POINT, ENHANCING TRAFFIC SAFETY. IT HELPS REDUCE THE RISK OF ACCIDENTS BY ENCOURAGING ROAD USERS TO SLOW DOWN AND CHECK TRAFFIC CONDITIONS BEFORE PROCEEDING.



3. ACCESSIBILITY RAMPS AND HANDRAILS

THESE ARE INCLINED STRUCTURES BUILT TO PROVIDE AN EASY CHANGE OF LEVEL, PRIMARILY FOR WHEELCHAIR USERS AND PEOPLE WITH MOBILITY IMPAIRMENTS. HANDRAILS ARE INSTALLED ALONGSIDE THE RAMPS TO ENSURE STABILITY, GRIP, AND SAFETY DURING NAVIGATION.



4. LACTATION ROOM

A DEDICATED, PRIVATE SPACE PROVIDED WITHIN THE FACILITY WHERE MOTHERS (STUDENTS OR STAFF) CAN COMFORTABLY AND HYGIENICALLY BREASTFEED OR EXPRESS MILK. IT IS TYPICALLY EQUIPPED WITH NECESSARY AMENITIES, SUCH AS A COMFORTABLE CHAIR AND AN ELECTRICAL OUTLET.



5. MEDICAL ROOM

A DESIGNATED ROOM FOR ADMINISTERING BASIC FIRST AID AND IMMEDIATE CARE TO STUDENTS, STAFF, OR VISITORS WHO EXPERIENCE SUDDEN ILLNESS OR INJURY WHILE ON THE PREMISES. IT IS OFTEN STAFFED BY A NURSE OR TRAINED PERSONNEL DURING OPERATING HOURS.



6. DISABLED PARKING

PARKING SPACES RESERVED SPECIFICALLY FOR PEOPLE WITH DISABILITIES (OR HOLDERS OF A VALID DISABLED PARKING PERMIT). THESE SPOTS ARE TYPICALLY WIDER THAN STANDARD SPACES AND ARE STRATEGICALLY LOCATED CLOSER TO BUILDING ENTRANCES TO ENSURE CONVENIENT ACCESSIBILITY.



7. WALKING AID CANE IN THE BUILDINGS

THIS REFERS TO THE PROVISION OF CANES OR WALKING STICKS STORED WITHIN THE BUILDINGS, AVAILABLE FOR INDIVIDUALS WHO MAY NEED TEMPORARY OR URGENT MOBILITY SUPPORT DUE TO INJURY OR OTHER PHYSICAL CHALLENGES WHILE ON CAMPUS.



8. ACCESSIBLE TOILET

A RESTROOM DESIGNED TO MEET ACCESSIBILITY STANDARDS, FEATURING SUFFICIENT SPACE FOR A WHEELCHAIR, SUPPORTIVE GRAB BARS (HANDRAILS), AND FIXTURES



1.16 SECURITY AND SAFETY FACILITIES

สิ่งอำนวยความสะดวกด้านความปลอดภัย

SILPAKORN UNIVERSITY PLACES THE HIGHEST PRIORITY ON SAFETY WITHIN ITS CAMPUSES, ESTABLISHING A RISK MANAGEMENT COMMITTEE THAT MEETS MONTHLY TO ASSESS AND MANAGE POTENTIAL THREATS. IN RESPONSE TO THESE SECURITY CONCERNS, THE UNIVERSITY HAS INSTALLED NECESSARY SECURITY SYSTEMS AND FACILITIES THROUGHOUT ALL AREAS, WHICH CAN BE DESCRIBED AS FOLLOWS:

1. SPOTLIGHTS

SPOTLIGHTS ARE INSTALLED ALONG THE SIDES OF THE BUILDING TO ENHANCE ILLUMINATION AND SAFETY AT NIGHT. THEY PROVIDE CLEAR VISIBILITY FOR WALKWAYS, ACTIVITY AREAS, AND THE SURROUNDING BUILDING ENVIRONMENT.

2. KEYCARD, FINGERPRINT, AND FACIAL RECOGNITION ENTRY AND EXIT SYSTEM

AN ACCESS CONTROL SYSTEM FOR ENTERING AND EXITING BUILDINGS OR RESTRICTED AREAS THAT RELIES ON THREE FORMS OF IDENTITY VERIFICATION: THE USE OF A KEYCARD, BIOMETRIC FINGERPRINT SCANNING, AND FACIAL RECOGNITION TECHNOLOGY. THIS SYSTEM HELPS ACCURATELY RECORD ENTRY AND EXIT TIMES, ENHANCES SECURITY, AND PREVENTS UNAUTHORIZED PERSONNEL FROM ACCESSING RESTRICTED AREAS.

3. DIGITAL DOOR LOCK

AN ELECTRONICALLY OPERATED DOOR LOCKING SYSTEM THAT REPLACES TRADITIONAL KEYS. IT ENHANCES SECURITY THROUGH VARIOUS ACCESS METHODS, SUCH AS PASSCODE ENTRY, KEYCARD USE, OR FINGERPRINT SCANNING. IT IS TYPICALLY USED FOR STAFF ROOMS OR IMPORTANT DOCUMENT STORAGE AREAS TO RESTRICT ACCESS.

4. CCTV (CLOSED-CIRCUIT TELEVISION)

A CLOSED-CIRCUIT TELEVISION SYSTEM THAT USES VIDEO CAMERAS TO MONITOR AND TRACK ACTIVITIES ACROSS THE UNIVERSITY GROUNDS. IT HELPS ENHANCE SECURITY, PREVENT CRIME, AND SERVE AS EVIDENCE IN THE INVESTIGATION OF INCIDENTS.

5. FIRE EXITS AND FIRE ESCAPE STAIRS

SPECIFICALLY DESIGNED AND DESIGNATED ROUTES AND STAIRCASES TO ALLOW PEOPLE TO EVACUATE BUILDINGS QUICKLY AND SAFELY IN THE EVENT OF AN EMERGENCY, SUCH AS A FIRE. THESE ROUTES ARE USUALLY SEPARATED FROM NORMAL USE AREAS AND ARE MAINTAINED TO BE READY FOR USE AT ALL TIMES.

6. EMERGENCY SHOWER IN THE LABORATORY

EMERGENCY WASHING EQUIPMENT INSTALLED IN SCIENCE LABORATORIES. IT IS AVAILABLE FOR USERS TO RAPIDLY AND IMMEDIATELY RINSE THE BODY TO WASH OFF HAZARDOUS CHEMICALS THAT MAY HAVE SPILLED ONTO SKIN OR CLOTHING, THEREBY PREVENTING SEVERE INJURY

7. EMERGENCY LIGHTING SYSTEM

A BACKUP LIGHTING SYSTEM INSTALLED TO AUTOMATICALLY PROVIDE ILLUMINATION WHEN THE MAIN ELECTRICAL SYSTEM FAILS OR SHUTS DOWN. IT IS CRITICALLY IMPORTANT FOR LIGHTING HALLWAYS, FIRE EXITS, AND STAIRCASES TO FACILITATE THE EVACUATION OF PEOPLE FROM THE BUILDING DURING AN EMERGENCY.



8. FIRE DETECTION AND ALARM SYSTEM

AN AUTOMATIC SYSTEM COMPRISING SMOKE OR HEAT DETECTION DEVICES (SMOKE/HEAT DETECTORS) AND NOTIFICATION DEVICES (ALARM DEVICES) WHICH QUICKLY SEND AN AUDIBLE OR VISUAL SIGNAL TO BUILDING OCCUPANTS, ALERTING THEM TO A FIRE INCIDENT SO THAT EVACUATION CAN BE PERFORMED PROMPTLY.

9. AUTOMATED EXTERNAL DEFIBRILLATOR (AED)

A PORTABLE MEDICAL DEVICE USED TO ASSIST INDIVIDUALS SUFFERING FROM SUDDEN CARDIAC ARREST. IT CAN ANALYZE THE HEART'S RHYTHM AND DELIVER AN ELECTRICAL SHOCK TO HELP RESTORE NORMAL FUNCTION. IT IS A VITAL PIECE OF EQUIPMENT INSTALLED AT VARIOUS POINTS ACROSS THE CAMPUS TO ENSURE IMMEDIATE ACCESS AND USE.

10. SECURITY GUARDS STATIONED AT UNIVERSITY ENTRANCE AND EXIT GATES

SECURITY PERSONNEL STATIONED AT THE MAIN ENTRANCE AND EXIT GATES OF THE UNIVERSITY. THEIR DUTIES INCLUDE INSPECTING VEHICLES AND EXTERNAL VISITORS, CONTROLLING ACCESS, AND MAINTAINING VIGILANCE TO ENSURE ORDERLINESS AND SAFETY AROUND THE UNIVERSITY GROUNDS AT ALL TIMES.

WITH THE AFOREMENTIONED EQUIPMENT AND COMPREHENSIVE SECURITY SYSTEM, SUPPORTED BY SECURITY PERSONNEL ON DUTY 24 HOURS A DAY, THE UNIVERSITY IS FULLY EQUIPPED TO RESPOND EFFECTIVELY TO EMERGENCIES. SHOULD AN UNEXPECTED INCIDENT OCCUR, COORDINATION WITH THE PROVINCIAL HOSPITAL, THE POLICE, AND FIRE SERVICES CAN BE EXECUTED SWIFTLY, TYPICALLY RESULTING IN AN INCIDENT RESPONSE TIME OF WITHIN 10 MINUTES. THIS PROACTIVE APPROACH HELPS GUARANTEE THE SAFETY AND WELL-BEING OF THE UNIVERSITY'S STUDENTS, WHILE PROMOTING A POSITIVE ENVIRONMENT AND QUALITY OF LIFE.

1.17

HEALTH INFRASTRUCTURE FACILITIES FOR STUDENTS, ACADEMICS AND ADMINISTRATIVE STAFFS' WELL-BEING

สิ่งอำนวยความสะดวกโครงสร้างพื้นฐานด้านสุขภาพสำหรับนักเรียน อาจารย์ และบุคลากร เพื่อความเป็นอยู่ที่ดีขึ้น

HEALTH INFRASTRUCTURE FACILITIES FOR STUDENTS, ACADEMICS AND ADMINISTRATIVE STAFFS' WELLBEING ARE AS FOLLOWS:

1. THE COUNSELING CENTER, WHICH IS CALLED "SOON RABAI SILP"

THIS IS A MENTAL HEALTH OR PERSONAL DEVELOPMENT COUNSELING CENTER WITH THE SPECIFIC NAME "SOON RABAI SILP" (WHICH TRANSLATES ROUGHLY TO ART EXPRESSION CENTER OR VENTILATION CENTER). THE NAME SUGGESTS THAT THE CENTER MAY UTILIZE ART OR CREATIVE ACTIVITIES AS A METHOD TO HELP CLIENTS EXPRESS AND "VENT" THEIR EMOTIONS.

2. PÉTANQUE COURT

THE PÉTANQUE COURT IS A DEDICATED AREA FOR PLAYING PÉTANQUE, PROMOTING PHYSICAL ACTIVITY AND TEAMWORK. IT SERVES AS A VENUE FOR PRACTICE, COMPETITIONS, AND RECREATIONAL ACTIVITIES FOR STUDENTS AND STAFF.

3. WATER COOLER

AN APPARATUS THAT COOLS AND DISPENSES DRINKING WATER.



4. FITNESS, FACULTY OF PHARMACY

A FACILITY, LIKELY CONTAINING WEIGHTS AND CARDIO MACHINES, LOCATED WITHIN THE FACULTY OF PHARMACY BUILDING.

5. HEALTH SERVICE CENTER, FACULTY OF PHARMACY "PHESAT SALA", SILPAKORN UNIVERSITY

THE MAIN MEDICAL/PHARMACEUTICAL SERVICE UNIT OF THE FACULTY OF PHARMACY, SOMETIMES CALLED THE "PHARMACY PAVILION." IT LIKELY OFFERS PRIMARY HEALTHCARE AND CONSULTATION.

6. FOOTBALL FIELD

A DEDICATED FIELD FOR PLAYING FOOTBALL (SOCCER).

7. SWIMMING POOL

A BUILT-IN CONTAINER FILLED WITH WATER FOR SWIMMING.

8. EXERCISE EQUIPMENT

GENERAL TERM FOR MACHINES AND TOOLS USED FOR PHYSICAL TRAINING AND EXERCISE.

9. SCHOOL NURSE ROOM

A ROOM OR SMALL CLINIC FOR THE NURSE TO PROVIDE FIRST AID AND BASIC MEDICAL CARE, TYPICALLY WITHIN A SCHOOL SETTING.

10. READING ROOM

A QUIET SPACE DESIGNATED FOR READING AND STUDYING, OFTEN FOUND IN A LIBRARY OR ACADEMIC BUILDING.

11. OUTDOOR SPORTS FIELD

A GENERAL TERM FOR AN OPEN AREA USED FOR VARIOUS OUTDOOR SPORTS ACTIVITIES.

12. BADMINTON COURTS

DEDICATED COURTS FOR PLAYING THE SPORT OF BADMINTON.

13. TABLE TENNIS ROOM

A ROOM EQUIPPED WITH TABLES FOR PLAYING TABLE TENNIS (PING-PONG).

14. COUNSELING CENTER (FOR STUDENTS AND STAFF) IS CALLED "PERMSUK ROOM"

THIS IS THE PRIMARY COUNSELING UNIT THAT OFFERS SERVICES TO BOTH STUDENTS AND STAFF WITHIN THE INSTITUTION. IT IS OFFICIALLY NAMED THE "PERMSUK ROOM" INDICATING ITS FOCUS ON IMPROVING MENTAL WELL-BEING AND PROMOTING HAPPINESS AND PERSONAL GROWTH AMONG THE UNIVERSITY COMMUNITY.

FURTHERMORE, THE UNIVERSITY IS SUPPORTED BY A TEAM OF QUALIFIED PROFESSIONALS, INCLUDING PSYCHOLOGISTS, FITNESS TRAINERS (SPORTS SCIENCE STUDENTS AND LECTURERS), REGISTERED NURSES, PHARMACISTS, AND MEDICAL DOCTORS FOR BOTH CAMPUSES. THESE DEDICATED PERSONNEL PROVIDE SERVICES WITH SINCERITY, ENSURING THAT OUR HEALTH INFRASTRUCTURE EFFECTIVELY ADDRESSES THE DIVERSE NEEDS OF THE UNIVERSITY'S STUDENTS AND STAFF. THIS COMMITMENT FOSTERS AN ENVIRONMENT THAT PRIORITIZES BOTH PHYSICAL AND MENTAL WELL-BEING, PLAYING A VITAL ROLE IN PROVIDING HOLISTIC HEALTH CARE AND SUPPORT, THEREBY ENHANCING THE OVERALL HEALTH LANDSCAPE WITHIN THE UNIVERSITY.

ADDITIONALLY, WE HAVE PROTOCOLS IN PLACE FOR VARIOUS INCIDENTS AND ALSO PROVIDE A 24-HOUR HOTLINE FOR REPORTING ANY ACCIDENTS THAT OCCUR.



THE COUNSELING CENTER, WHICH IS CALLED "SOON RABAI SILP"

COUNSELING CENTER "SOON RABAI SILP" THE COUNSELING CENTER PROVIDES MENTAL HEALTH COUNSELING SERVICES FOR STUDENTS. APPOINTMENTS CAN BE MADE THROUGH THE FOLLOWING CHANNELS:

- FACEBOOK PAGE: "TALE SU TELL US"

- OCCA APPLICATION

SERVICE HOURS

- REGULAR HOURS: MONDAY - FRIDAY, 8:30 A.M. - 4:30 P.M.

- AFTER HOURS: TUESDAY AND THURSDAY, 5:00 P.M. - 8:00 P.M.

THE CENTER IS COMMITTED TO SUPPORTING STUDENTS' MENTAL WELL-BEING BY PROVIDING CONFIDENTIAL COUNSELING SERVICES FROM QUALIFIED PROFESSIONALS, HELPING TO PROMOTE A POSITIVE QUALITY OF LIFE AND OVERALL WELL-BEING.



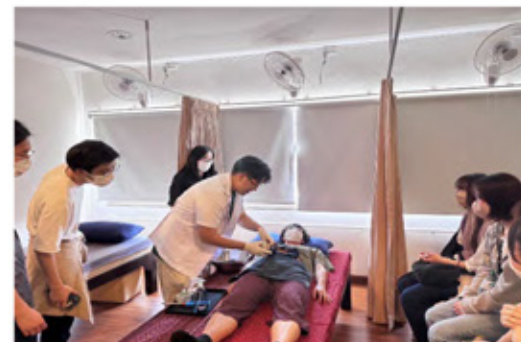
COUNSELING CENTER (FOR STUDENTS AND STAFF) IS CALLED "PERMSUK ROOM"

YOU CAN ACCESS COUNSELING SERVICES THROUGH THE FOLLOWING CHANNELS:

1. ONLINE CHANNELS VIA GOOGLE MEET AND LINE OFFICIAL "TERM JAI (เต็มใจ)" (FILL THE HEART) [HTTPS://LIN.EE/Z5RCKUP](https://lin.ee/z5rckup)

2. TELEPHONE CONSULTATION YOU CAN CALL TO CONSULT BY TELEPHONE FROM MONDAY TO FRIDAY, 08:30 A.M. - 04:30 P.M. TEL: 0 3259 4115, MOBILE: 09 8630 9130

3. FOR PRIVATE CONSULTATIONS: PLEASE MAKE AN APPOINTMENT IN ADVANCE THROUGH THE LINE OFFICIAL "TERM JAI" TO ARRANGE THE TIME AND LOCATION FOR THE CONSULTATION.



THIS CENTER, WHICH INCLUDES THE WARM COMMUNITY MEDICAL CLINIC AND TRADITIONAL THAI MEDICINE SERVICES OF SILPAKORN UNIVERSITY, OFFERS THE FOLLOWING:

1. INDIVIDUALIZED TRADITIONAL HERBAL MEDICINE TO BALANCE THE ELEMENTS/HUMORS

2. MASSAGE AND HERBAL COMPRESS FOR THERAPY

3. WARM OIL MASSAGE FOR THERAPY

4. OTHER THERAPEUTIC PROCEDURES, SUCH AS EYE POUltICE/PACKING, HERBAL HEAT THERAPY (PHAO W YA), AND OIL CONTAINMENT THERAPY (KUK NAM MUN)

5. CONSULTATION ON HEALTH ISSUES OR ELEMENTAL/HUMORAL CONSTITUTION

OPERATING HOURS (FOR THE ABOVE SERVICES):

- NORMAL WORKING HOURS (FOR STUDENTS AND STAFF): 8:30 AM - 4:30 PM

- AFTER HOURS: 4:30 PM - 7:00 PM

1.18

CONSERVATION: PLANT (FLORA), ANIMAL (FAUNA), OR WILDLIFE, GENETIC RESOURCES FOR FOOD AND AGRICULTURE SECURED IN EITHER MEDIUM OR LONG-TERM CONSERVATION FACILITIES

การอนุรักษ์พันธุ์พืช, สัตว์หรือสัตว์ป่า, ทรัพยากรสำหรับอาหารและการเกษตรและสิ่งอำนวยความสะดวกในการอนุรักษ์ระยะกลางหรือระยะยาว

THE CONSERVATION PROGRAM IS MORE THAN 75% IMPLEMENTED FOR OUR UNIVERSITY

SILPAKORN UNIVERSITY, ACROSS BOTH ITS TWO CAMPUSES, POSSESSES AN EXTENSIVE GREEN AREA, WHICH IT IS COMMITTED TO MAINTAINING IN ORDER TO CREATE A NATURAL AND SERENE ENVIRONMENT FOR STUDENTS AND STAFF. THE UNIVERSITY'S POLICIES PROMOTE HARMONIOUS COEXISTENCE BETWEEN HUMANS AND ANIMALS, ENSURING THAT PLANTS AND TREES ARE CONSERVED TO ESTABLISH A BALANCED ECOSYSTEM. IT HAS ESTABLISHED CONSERVATION AREAS TO MONITOR THE GROWTH OF BOTH PLANT AND ANIMAL SPECIES, AND TO MANAGE THE ECOSYSTEM'S TEMPERATURE AND HUMIDITY, GUIDED BY EXPERT INPUT ON BOTH FLORA AND FAUNA.

FURTHERMORE, THE UNIVERSITY PLACES IMPORTANCE ON PLANT BREEDING, THE DEVELOPMENT OF PLANT-DERIVED PRODUCTS, AND OFFERS ACADEMIC COURSES THAT ENGAGE STUDENTS IN THESE PRACTICES. RESEARCH UTILIZES THIS DATA, ALIGNING WITH STANDARDS SET BY THE MINISTRY OF AGRICULTURE AND COOPERATIVES, THE DEPARTMENT OF NATIONAL PARKS, WILDLIFE AND PLANT CONSERVATION, AND THE ROYAL INITIATIVES OF HIS MAJESTY KING BHUMIBOL ADULYADEJ THE GREAT (KING RAMA IX).

THE UNIVERSITY IS A LOCATION FOR UNIQUE BIODIVERSITY AND CONSERVATION AREAS THAT SIGNIFICANTLY CONTRIBUTE TO THE SUSTAINABLE DEVELOPMENT GOALS (SDGS) AND LONG-TERM SUSTAINABILITY INITIATIVES.

CONSERVATION: PLANT, ANIMAL, AND WILDLIFE, GENETIC RESOURCES FOR FOOD AND AGRICULTURE SECURED IN EITHER MEDIUM OR LONG-TERM CONSERVATION FACILITIES, FOR EXAMPLE:

ANIMAL AND WILDLIFE

1. MONITOR LIZARD

A GENUS OF LARGE, CARNIVOROUS LIZARDS NATIVE TO AFRICA, ASIA, AND OCEANIA. THEY ARE KNOWN FOR THEIR LONG NECKS, POWERFUL TAILS, AND CLAWED FEET. THEY PLAY A VITAL ROLE IN THE ECOSYSTEM AS APEX PREDATORS IN MANY HABITATS.

2. COPPERSMITH BARBET: *PSILOPOGON HAEMACEPHALUS*

A SMALL, BRIGHTLY COLORED ASIAN BARBET BIRD RECOGNIZED BY ITS CRIMSON FOREHEAD AND THROAT. IT IS NAMED FOR ITS LOUD, METRONOMIC 'TUK-TUK-TUK' CALL, WHICH SOUNDS LIKE A COPPERSMITH HAMMERING METAL. IT IS FRUGIVOROUS (EATS MAINLY FRUIT) AND NESTS IN TREE CAVITIES.

3. INDIAN ROLLER: *CORACIAS BENGHALENSIS*

A STRIKING BLUE BIRD OFTEN SEEN PERCHED ON ROADSIDE TREES AND WIRES IN OPEN GRASSLAND AND CULTIVATED AREAS ACROSS ASIA. IT IS KNOWN FOR ITS BEAUTIFUL ACROBATIC FLIGHT DISPLAY (THE 'ROLL') DURING THE BREEDING SEASON. IT IS A COMMON INSECT-EATER.

4. ASIAN KOEL: *EUDYNAMIS SCOLOPACEUS*

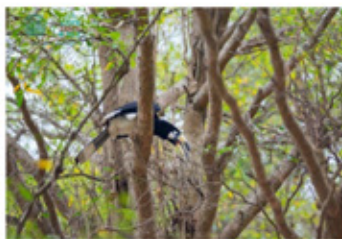
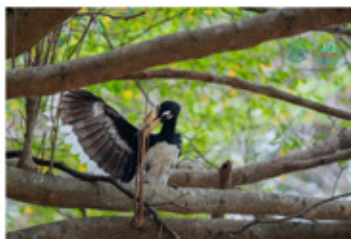
A LARGE, LONG-TAILED CUCKOO SPECIES. THE MALE IS GLOSSY BLUE-BLACK, WHILE THE FEMALE IS BROWN AND SPOTTED. IT IS FAMOUS FOR ITS LOUD, PERSISTENT, AND DISTINCTIVE 'KO-EL' CALL. LIKE MANY CUCKOOS, IT IS A BROOD PARASITE, LAYING ITS EGGS IN THE NESTS OF OTHER BIRDS (OFTEN CROWS).

5. RED-WATTLED LAPWING: *VANELLUS INDICUS*

A LARGE ASIAN WADER (PLOVER) WITH PROMINENT RED FLESHY WATTLES ABOVE ITS EYES. IT IS KNOWN FOR ITS LOUD, PIERCING ALARM CALL, 'DID-YOU-DO-IT!', WHEN DISTURBED, AND ITS HABIT OF NESTING ON THE GROUND IN OPEN AREAS.

6. BAT

THE ONLY MAMMALS CAPABLE OF SUSTAINED FLIGHT. BATS ARE ESSENTIAL TO ECOSYSTEMS GLOBALLY, PERFORMING CRUCIAL FUNCTIONS SUCH AS POLLINATION, SEED DISPERSAL, AND INSECT CONTROL (ESPECIALLY MOSQUITOES), DEPENDING ON THE SPECIES.



7. HORNBILLS

A GROUP OF BIRDS RECOGNIZABLE BY THEIR LARGE, DOWNTURNED BILLS, OFTEN TOPPED WITH A CASQUE (A HOLLOW STRUCTURE). THEY ARE CRUCIAL SEED DISPERSERS IN TROPICAL AND SUBTROPICAL FORESTS OF AFRICA AND ASIA, AND MANY SPECIES EXHIBIT UNIQUE NESTING BEHAVIOR WHERE THE FEMALE IS SEALED INTO A TREE CAVITY.



8. GOAT FARMING

THE AGRICULTURAL PRACTICE OF RAISING AND BREEDING DOMESTIC GOATS (A BRANCH OF ANIMAL HUSBANDRY). GOATS ARE PRIMARILY FARMED FOR THEIR MEAT, MILK, FIBER (CASHMERE, MOHAIR), AND SKINS. THEY ARE WELL-SUITED FOR GRAZING ON LOW-QUALITY OR ROUGH LAND THAT OTHER LIVESTOCK MIGHT AVOID.



PLANT AND GENETIC RESOURCES

1. SYZYGIUM MALACCENSE

COMMONLY KNOWN AS THE MALAY APPLE OR JAMBU BOL. IT IS A TROPICAL FLOWERING TREE CULTIVATED FOR ITS EDIBLE FRUIT, WHICH IS TYPICALLY BELL-SHAPED WITH A DEEP PINK OR RED SKIN AND WHITE, CRISP FLESH.

2. BOTANIC GARDEN

AN INSTITUTION THAT MAINTAINS A DOCUMENTED COLLECTION OF LIVING PLANTS FOR THE PURPOSES OF SCIENTIFIC RESEARCH, CONSERVATION, DISPLAY, AND EDUCATION. THEY ARE ESSENTIALLY LIVING MUSEUMS OF PLANTS, OFTEN SPECIALIZING IN LOCAL OR RARE SPECIES.

3. DIPTEROCARPUS ALATUS ROXB.

A LARGE, TROPICAL FOREST TREE, OFTEN CALLED RESIN TREE OR YANG NA IN THAILAND. IT IS A MEMBER OF THE DIPTEROCARP FAMILY (IMPORTANT TIMBER SPECIES) AND IS VALUED FOR ITS TIMBER AND ITS OILY RESIN (WHICH HAS TRADITIONAL USES).

4. CUCUMIS MELO L. VAR. RETICULATA

THIS IS THE BOTANICAL CLASSIFICATION FOR THE MUSKMELON OR CANTALOUPE GROUP. THE TERM RETICULATA REFERS TO THE DISTINCT NETTED OR RETICULATED RIND TEXTURE THAT IS CHARACTERISTIC OF THESE SWEET, FRAGRANT FRUITS.

5. ROSEWOOD PLANTING AREA

AN AREA DEDICATED TO CULTIVATING ROSEWOOD TREES, SUCH AS THE HIGHLY VALUABLE SIAMESE ROSEWOOD (MAI PHA-YUNG). THE WOOD IS PRIZED GLOBALLY FOR ITS RICH COLOR, FINE GRAIN, DURABILITY, AND USE IN HIGH-END FURNITURE AND ORNAMENTAL WORK, MAKING IT AN ECONOMIC TIMBER RESOURCE.

1.19

IMPACT OF SETTING AND INFRASTRUCTURE PROGRAMS IN SUPPORTING THE SUSTAINABLE DEVELOPMENT GOALS (SDGs)

คณะวิชา/หน่วยงานของท่าน มีโครงสร้างพื้นฐานและสภาพแวดล้อมที่ช่วยสนับสนุนเป้าหมายการพัฒนาที่ยั่งยืน (SDGs) ครอบคลุมที่ข้อ และอยู่ในระดับใด

SUSTAINABLE DEVELOPMENT GOALS



SUMMARY OF THE UNIVERSITY'S ENVIRONMENTAL AND INFRASTRUCTURE INFORMATION AND ITS DIRECT IMPACT ON THE SUSTAINABLE DEVELOPMENT GOALS (SDGs)

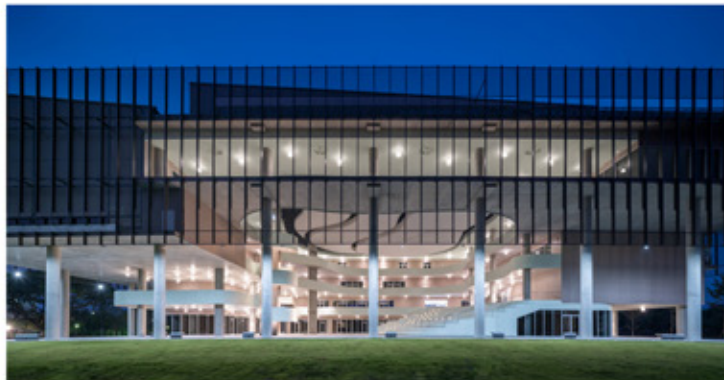
1. AREA AND BUILDING INFORMATION

(ALIGNED WITH SDG 11: SUSTAINABLE CITIES AND COMMUNITIES AND SDG 15: LIFE ON LAND)

THIS REPORT COVERS THE UNIVERSITY'S OPERATIONS ACROSS TWO CAMPUSES, NAMELY:

- SANAM CHANDRA PALACE CAMPUS
- PHETCHABURI INFORMATION TECHNOLOGY CAMPUS

THE UNIVERSITY HAS A TOTAL AREA OF 1,707,582 SQUARE METERS OR 421.95 ACRES. THE TOTAL GROUND-LEVEL BUILDING AREA OF THE TWO CAMPUSES IS 126,142 SQUARE METERS, CONSISTING OF 108,942 SQUARE METERS AT SANAM CHANDRA PALACE CAMPUS AND 17,200 SQUARE METERS AT PHETCHABURI INFORMATION TECHNOLOGY CAMPUS.



IN TERMS OF LAND USE, THE UNIVERSITY MAINTAINS 595,382 SQUARE METERS OF FORESTED AND NATURAL VEGETATION AREA. IN ADDITION, THERE ARE 693,111 SQUARE METERS OF PLANTED VEGETATION DESIGNATED FOR BENEFICIAL USE, SUCH AS PLANT CULTIVATION AREAS AND GREENHOUSES OPERATED BY THE FACULTY OF PHARMACY AND THE FACULTY OF SCIENCE. THE UNIVERSITY ALSO PROVIDES 259,320 SQUARE METERS OF WATER ABSORPTION AREA, INCLUDING PERMEABLE SURFACES AND WATER RETENTION AREAS SUCH AS ROADS PAVED WITH WATER-PERMEABLE BLOCKS, AS WELL AS PONDS AND ON-CAMPUS WATER SOURCES.

THESE DATA REFLECT THE UNIVERSITY'S STRONG COMMITMENT TO BALANCED LAND MANAGEMENT, INTEGRATING INFRASTRUCTURE DEVELOPMENT WITH GREEN SPACE CONSERVATION AND WATER RETENTION PLANNING. SUCH AN APPROACH PLAYS A SIGNIFICANT ROLE IN FOSTERING A SUSTAINABLE LEARNING ENVIRONMENT AND PROMOTING THE UNIVERSITY'S DEVELOPMENT AS AN ENVIRONMENTALLY FRIENDLY INSTITUTION.

2. HEALTH, SAFETY, AND EQUALITY FACILITIES

(ALIGNED WITH SDG 3: GOOD HEALTH AND WELL-BEING, SDG 5: GENDER EQUALITY, AND SDG 10: REDUCED INEQUALITIES)

2.1 FACILITIES FOR INCLUSION AND EQUALITY

(ALIGNED WITH SDG 5 AND SDG 10)

THE UNIVERSITY HAS ESTABLISHED POLICIES TO PROMOTE QUALITY OF LIFE AND EQUAL ACCESS TO SERVICES FOR STUDENTS, STAFF, AND VISITORS WITH DISABILITIES OR SPECIAL NEEDS. NECESSARY ACCESSIBILITY FACILITIES ARE PROVIDED IN UNIVERSITY BUILDINGS TO SUPPORT THE PRINCIPLES OF UNIVERSAL ACCESS AND LEAVING NO ONE BEHIND.

- THE FACILITIES PROVIDED BY THE UNIVERSITY INCLUDE:
 - PEDESTRIAN WALKWAYS DESIGNED TO ENSURE SAFE AND CONVENIENT MOVEMENT BETWEEN BUILDINGS AND ACTIVITY AREAS
 - STOP SIGNS TO ENHANCE TRAFFIC SAFETY WITHIN THE UNIVERSITY AND REDUCE THE RISK OF ACCIDENTS
 - ACCESSIBILITY RAMPS AND HANDRAILS INSTALLED IN BUILDINGS TO SUPPORT INDIVIDUALS WITH MOBILITY LIMITATIONS
 - LACTATION ROOMS TO ACCOMMODATE MOTHERS IN BREASTFEEDING OR EXPRESSING MILK IN A PRIVATE, HYGIENIC, AND APPROPRIATE SPACE
 - DISABLED PARKING SPACES LOCATED NEAR BUILDINGS TO IMPROVE ACCESSIBILITY TO UNIVERSITY SERVICES
 - WALKING AID CANES AVAILABLE INSIDE BUILDINGS FOR TEMPORARY OR EMERGENCY USE
 - WHEELCHAIRS PROVIDED WITHIN BUILDINGS TO FACILITATE ACCESS FOR INDIVIDUALS WITH MOBILITY IMPAIRMENTS
 - ACCESSIBLE TOILETS, DESIGNED IN ACCORDANCE WITH ACCESSIBILITY STANDARDS, WITH ADEQUATE SPACE FOR WHEELCHAIRS, SUPPORT RAILS, AND PROPERLY INSTALLED SANITARY FIXTURES
 - STAIRCASE HANDRAILS TO IMPROVE SAFETY FOR ALL BUILDING USERS, ESPECIALLY THE ELDERLY AND THOSE WITH BALANCE LIMITATIONS
 - THE PROVISION OF THESE FACILITIES REFLECTS THE UNIVERSITY'S COMMITMENT TO CREATING AN INCLUSIVE ENVIRONMENT THAT PROMOTES EQUAL ACCESS AND REDUCES BARRIERS TO DAILY LIVING, LEARNING, AND WORKING WITHIN THE UNIVERSITY COMMUNITY.

2.2 HEALTH INFRASTRUCTURE

(ALIGNED WITH SDG 3)

THE UNIVERSITY HAS ESTABLISHED HEALTH-RELATED INFRASTRUCTURE AND SERVICES TO COMPREHENSIVELY SUPPORT STUDENTS, STAFF, AND VISITORS IN BOTH PHYSICAL AND MENTAL HEALTH. THESE INCLUDE:

- A WARM COMMUNITY MEDICAL CLINIC, OPERATED BY THE FACULTY OF PHARMACY
- A COUNSELING CENTER, "RABASILP CENTER," AND COUNSELING SERVICES THROUGH THE OOCA APPLICATION, WHICH SUPPORT MENTAL HEALTH CARE
- A UNIVERSITY INFIRMARY AND NURSE ROOMS IN THE DEMONSTRATION SCHOOL
- EXERCISE AND FITNESS FACILITIES TO PROMOTE PHYSICAL WELL-BEING
- QUALIFIED HEALTH PROFESSIONALS, INCLUDING: PSYCHOLOGISTS, REGISTERED NURSES, PHARMACISTS AND DOCTORS

IN ADDITION, THE INFIRMARY OF THE STUDENT AFFAIRS DIVISION AND THE NURSE ROOMS OF SILPAKORN UNIVERSITY DEMONSTRATION SCHOOL (KINDERGARTEN AND PRIMARY LEVELS) FUNCTION AS SPACES FOR FIRST AID AND THE PRELIMINARY TREATMENT OF ILLNESS OR INJURY FOR STUDENTS, STAFF, AND VISITORS.

THESE MEASURES DEMONSTRATE THE UNIVERSITY'S EMPHASIS ON BUILDING AN ACCESSIBLE HEALTH SUPPORT SYSTEM THAT CONTRIBUTES DIRECTLY TO THE WELL-BEING AND QUALITY OF LIFE OF THE UNIVERSITY COMMUNITY.



2.3 SECURITY AND SAFETY SYSTEMS FOR LIFE AND PROPERTY

(ALIGNED WITH SDG 3)

THE UNIVERSITY HAS IMPLEMENTED COMPREHENSIVE SAFETY AND SECURITY MEASURES TO PROTECT THE LIVES, HEALTH, AND PROPERTY OF STUDENTS, STAFF, AND VISITORS.

THESE INCLUDE: CAMPUS-WIDE CCTV SURVEILLANCE SYSTEMS, ALARM SYSTEMS AND FIRE PREVENTION EQUIPMENT, INCLUDING:

- FIRE ALARM SYSTEMS
 - SMOKE DETECTORS
 - FIRE EXTINGUISHERS
 - DORMITORY ACCESS CONTROL SYSTEMS
 - AUTOMATED EXTERNAL DEFIBRILLATORS (AEDS)
 - SECURITY PERSONNEL ON DUTY 24 HOURS A DAY
 - EMERGENCY RESPONSE CAPABILITY WITHIN NO MORE THAN 10 MINUTES
- THESE MEASURES CONTRIBUTE SIGNIFICANTLY TO CREATING A SAFE ENVIRONMENT THAT SUPPORTS EFFECTIVE LIVING, LEARNING, AND WORKING THROUGHOUT THE UNIVERSITY.

3. DIRECT IMPACT ON THE SUSTAINABLE DEVELOPMENT GOALS (SDGs)

BASED ON THE ENVIRONMENTAL AND INFRASTRUCTURE INFORMATION PRESENTED ABOVE, THE UNIVERSITY'S DIRECT CONTRIBUTIONS TO THE SUSTAINABLE DEVELOPMENT GOALS CAN BE SUMMARIZED AS FOLLOWS:

SDG 3: GOOD HEALTH AND WELL-BEING

THE UNIVERSITY PROVIDES HEALTHCARE SERVICES, INFIRMARIES, MENTAL HEALTH SUPPORT, EXERCISE FACILITIES, AS WELL AS SECURITY SYSTEMS AND EMERGENCY RESPONSE MECHANISMS, ALL OF WHICH DIRECTLY PROMOTE THE HEALTH, SAFETY, AND WELL-BEING OF THE UNIVERSITY COMMUNITY.

SDG 5: GENDER EQUALITY

THE PROVISION OF LACTATION ROOMS AND FACILITIES THAT RESPOND TO THE DIVERSE NEEDS OF USERS REFLECTS THE UNIVERSITY'S COMMITMENT TO EQUITY AND THE RECOGNITION OF DIFFERENT ROLES AND NEEDS.

SDG 10: REDUCED INEQUALITIES

THE PROVISION OF FACILITIES FOR PERSONS WITH DISABILITIES AND INDIVIDUALS WITH SPECIAL NEEDS IN BUILDINGS AND COMMON AREAS HELPS REDUCE BARRIERS TO EDUCATION, WORK, AND ACCESS TO UNIVERSITY SERVICES.

SDG 11: SUSTAINABLE CITIES AND COMMUNITIES

APPROPRIATE LAND-USE PLANNING, THE PRESERVATION OF GREEN SPACE, FORESTED AREAS, WATER ABSORPTION AREAS, AND THE DEVELOPMENT OF SAFE PEDESTRIAN ROUTES ALL CONTRIBUTE TO MAKING THE UNIVERSITY ENVIRONMENT LIVABLE, SAFE, AND SUSTAINABLE.

SDG 15: LIFE ON LAND

THE CONSERVATION OF NATURAL VEGETATION AREAS AND THE APPROPRIATE ALLOCATION OF PLANTED VEGETATION AREAS FOR BENEFICIAL USE REFLECT RESPONSIBLE LAND RESOURCE AND ECOSYSTEM MANAGEMENT WITHIN THE UNIVERSITY.

CONCLUSION

THE UNIVERSITY MANAGES ITS LAND, ENVIRONMENT, AND INFRASTRUCTURE IN A SYSTEMATIC MANNER, TAKING INTO ACCOUNT THE BALANCE BETWEEN PHYSICAL DEVELOPMENT, NATURAL RESOURCE CONSERVATION, HEALTH PROMOTION, SAFETY, AND EQUAL ACCESS TO SERVICES AND FACILITIES.

THESE INITIATIVES DIRECTLY CONTRIBUTE TO THE ADVANCEMENT OF FIVE SUSTAINABLE DEVELOPMENT GOALS, NAMELY:

SDG 3, SDG 5, SDG 10, SDG 11, AND SDG 15.

2

UI GREEN METRIC SUSTAINABILITY REPORT 2026

SILPAKORN UNIVERSITY

SANAM CHANDRA PALACE | PHETCHABURI INFORMATION TECHNOLOGY

EC ENERGY AND CLIMATE CHANGE





2.1

ENERGY EFFICIENT APPLIANCES USAGE

การใช้พลังงานไฟฟ้าอย่างมีประสิทธิภาพ

AVERAGE 97.29%

SILPAKORN UNIVERSITY IS FIRMLY COMMITTED TO BEING AN ENVIRONMENTALLY CONSCIOUS AND SUSTAINABLE ORGANIZATION.

THE PRIMARY GOAL IS THE CONCRETE REDUCTION OF ELECTRICITY CONSUMPTION WITHIN THE UNIVERSITY.

TO ACHIEVE THIS OBJECTIVE, THE UNIVERSITY HAS INITIATED A MAJOR PROJECT TO ENHANCE THE EFFICIENCY OF ELECTRICAL APPLIANCES BY UPGRADING OUTDATED DEVICES TO MODERN, HIGH-EFFICIENCY MODELS. THIS PROJECT COVERS ALMOST EVERY TYPE OF ELECTRICAL APPLIANCE THAT CONTRIBUTES TO THE UNIVERSITY'S ENERGY USAGE, INCLUDING:

- **LIGHTING EQUIPMENT:** TRANSITIONING TO LED LAMPS TO REDUCE ENERGY CONSUMPTION AND INCREASE SERVICE LIFE.



- **COOLING/AIR CONDITIONING EQUIPMENT:** UPGRADING AIR CONDITIONERS, FREEZERS, FRIDGES, AND WATER DISPENSERS TO ENERGY-SAVING MODELS.

- **OFFICE/RESEARCH EQUIPMENT:** REPLACING COMPUTERS AND FANS.

- **UTILITY SYSTEMS:** IMPROVING PUMP MOTORS,

WHICH ARE VITAL FOR THE OPERATION OF THE BUILDING SYSTEMS. ALL NEW EQUIPMENT WILL BE SELECTED BASED ON INTERNATIONAL AND NATIONAL ENERGY STANDARDS, SPECIFICALLY THROUGH CERTIFICATION FROM THE ENERGY STAR LABEL OR THE THAILAND'S ENERGY EFFICIENCY NO.5 LABEL.

DETAILS AND USAGE DATA FOR THE VARIOUS DEVICES CURRENTLY IN USE ACROSS BOTH CAMPUSES ARE COMPILED IN THE TABLE BELOW. THIS INFORMATION WILL SERVE AS A DATABASE FOR PLANNING AND EXECUTING THE EQUIPMENT REPLACEMENT TO SUCCESSFULLY MEET THE ESTABLISHED GOALS.

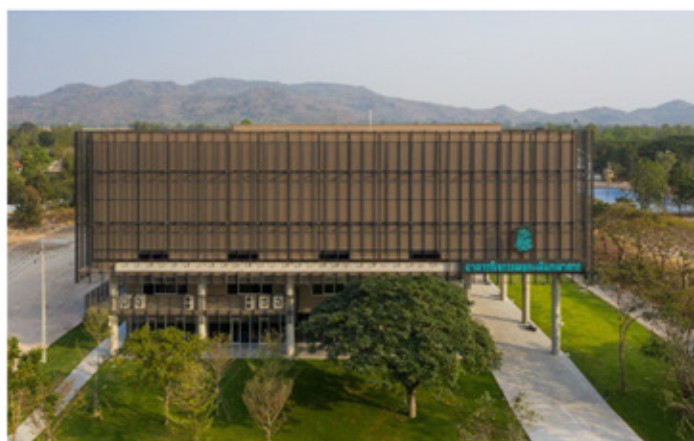


2.2

TOTAL CAMPUS' SMART BUILDING AREA (M²)

พื้นที่อาคารอัจฉริยะทั้งหมดของมหาวิทยาลัย

441,007 SQUARE METER



2.3

SMART BUILDING IMPLEMENTATION

การใช้งานอาคารอัจฉริยะ

85.38%

THE STATISTICS CLEARLY INDICATE THAT AN EXCEPTIONALLY HIGH PROPORTION OF THE UNIVERSITY'S PHYSICAL INFRA-STRUCTURE IS INTEGRATED INTO THE SMART BUILDING FRAMEWORK.

- SMART BUILDING AREA: 441,007 M²
- TOTAL CAMPUS BUILDING AREA: 516,497 M²
- PROPORTION COVERED: APPROXIMATELY 85.38%



2.4

NUMBER OF RENEWABLE ENERGY SOURCES ON CAMPUS

จำนวนแหล่งพลังงานหมุนเวียนในวิทยาเขต

MORE THAN 3 SOURCES

2.5

RENEWABLE ENERGY SOURCES AND THEIR AMOUNT OF THE ENERGY PRODUCED

แหล่งพลังงานหมุนเวียนและปริมาณของพลังงานที่ผลิตได้

SILPAKORN UNIVERSITY PLACES GREAT IMPORTANCE ON PROMOTING RENEWABLE AND CLEAN ENERGY IN ORDER TO REDUCE DEPENDENCE ON FOSSIL FUELS, DECREASE GREENHOUSE GAS EMISSIONS.

CURRENTLY, THE UNIVERSITY IS CAPABLE OF GENERATING **APPROXIMATELY 2,454,000 KWH OF RENEWABLE ENERGY PER YEAR** FROM VARIOUS RENEWABLE ENERGY SOURCES, AS DETAILED BELOW.



1. Solar Energy (Solar Cells)

Solar energy serves as the primary renewable energy source at the University. Solar Photovoltaic (Solar PV) systems have been installed at several locations, including the parking area of the Faculty of Engineering and Industrial Technology, the side and rear parking areas of the President's Office, the Digital Technology Office, the Faculty of Pharmacy building, the Pahta Asrom Building of the Faculty of Pharmacy, and the Activity and Recreation Building at the Phetchaburi Information Technology Campus. The total installed capacity of these systems is 733.43 kWp.

Operating for approximately 9 hours per day (08:00–17:00), the solar PV systems generate an estimated 6,600.87 kWh of electricity per day and **approximately 2,409,317.55 kWh per year**. This renewable energy generation helps reduce dependence on grid electricity, lowers energy costs, and supports the University's commitment to sustainable energy management and greenhouse gas emission reduction.



2. Biomass Energy

Silpakorn University is recognized as a leading institution in biomass energy research. Numerous research studies conducted by faculty members have been published in international academic journals. The knowledge gained from these studies has been applied to support clean energy production within the University. Biomass energy systems generate approximately 15 kW of power, producing **around 36,000 kWh per year**.



3. Biodiesel

The University operates a small-scale biodiesel production facility on campus. A portion of the biodiesel produced is used as fuel for the University's diesel-powered vehicles. The biodiesel system generates approximately 1.5 kW of energy, producing **around 4,000 kWh per year**. This initiative promotes the use of renewable fuels and reduces reliance on petroleum-based energy sources.



4. Biogas

In addition to biomass energy, the University also utilizes biogas as a renewable energy source. The biogas is supplied from facilities located near the University and managed by relevant academic faculties. It is primarily used for cooking activities on campus. The biogas system has a capacity of approximately 2 kW, producing **around 5,000 kWh per year**. Although the University does not directly operate biogas production facilities on campus, it effectively utilizes biogas generated from nearby sources.

2.6

ELECTRICITY USAGE PER YEAR

สรุปปริมาณการใช้พลังงานไฟฟ้าต่อปีของวิทยาเขต

THE TOTAL ELECTRICITY USAGE OF SILPAKORN UNIVERSITY, SANAM CHANDRA PALACE CAMPUS, IN THE PREVIOUS YEAR WAS 16,681,665.70 KWH, AND PHETCHABURI INFORMATION TECHNOLOGY CAMPUS WAS 4,232,083.41 KWH. THEREFORE,

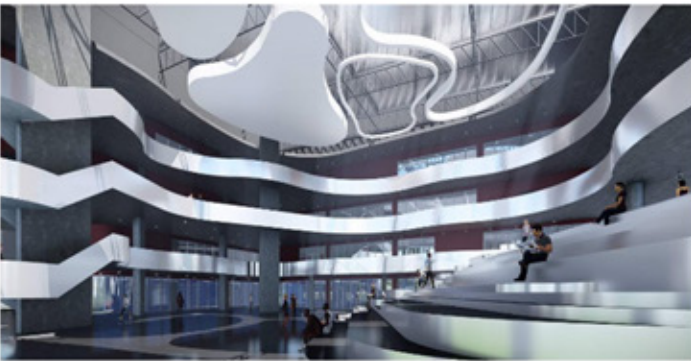
THE TOTAL ELECTRICITY USAGE WAS 20,913,749.11 KWH.

2.7

TOTAL ELECTRICITY USAGE DIVIDED BY TOTAL CAMPUS' POPULATION

การใช้ไฟฟ้าต่อจำนวนประชากรทั้งหมดของวิทยาเขต

LESS THAN 250 KWH



2.8

RATIO OF RENEWABLE ENERGY PRODUCTION TO TOTAL ENERGY USAGE PER YEAR

อัตราส่วนของการผลิตพลังงานหมุนเวียนต่อการใช้พลังงานทั้งหมดต่อปี

THE UNIVERSITY HAS INSTALLED RENEWABLE ENERGY SYSTEMS WITH A TOTAL INSTALLED CAPACITY OF 751.93 KW, CONSISTING OF 733.43 KW OF SOLAR PHOTOVOLTAIC (PV) SYSTEMS, 15.00 KW OF BIOMASS ENERGY, 1.50 KW OF BIODIESEL ENERGY, AND 2.00 KW OF BIOGAS ENERGY. SOLAR ENERGY ACCOUNTS FOR THE LARGEST PROPORTION OF THE UNIVERSITY'S RENEWABLE ENERGY CAPACITY.

THE SOLAR PV SYSTEMS HAVE A TOTAL INSTALLED CAPACITY OF 733.43 KW AND OPERATE FOR APPROXIMATELY 9 HOURS PER DAY (08:00-17:00). BASED ON THIS OPERATING PERIOD, THE SYSTEMS CAN GENERATE APPROXIMATELY 6,600.87 KWH PER DAY (733.43×9 HOURS). THEREFORE, THE ESTIMATED ANNUAL ELECTRICITY GENERATION IS APPROXIMATELY 2,409,317.55 KWH PER YEAR ($6,600.87 \times 365$ DAYS).

THE UNIVERSITY'S TOTAL ANNUAL ELECTRICITY CONSUMPTION IS 20,913,749.11 KWH. CONSEQUENTLY, THE RATIO OF RENEWABLE ENERGY PRODUCTION TO TOTAL ENERGY USAGE IS:

RATIO = RENEWABLE ENERGY PRODUCTION / TOTAL ENERGY USAGE

$$= 2,409,317.55 / 20,913,749.11 \text{ KWH}$$

$$= 11.52\%$$

THIS INDICATES THAT RENEWABLE ENERGY CAN MEET **APPROXIMATELY 11.52% OF THE UNIVERSITY'S TOTAL ANNUAL ELECTRICITY DEMAND**, REFLECTING THE UNIVERSITY'S COMMITMENT TO PROMOTING CLEAN ENERGY USE, REDUCING GREENHOUSE GAS EMISSIONS, AND SUPPORTING SUSTAINABLE DEVELOPMENT.



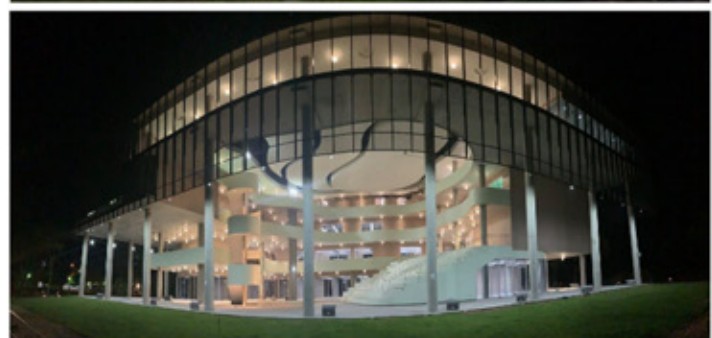
SANAM CHANDRA PALACE CAMPUS

- TOTAL ANNUAL CONSUMPTION:

THE TOTAL ELECTRICITY USAGE OVER THE ENTIRE 12-MONTH PERIOD IS **16,233,235.70 KWH.**

- PEAK CONSUMPTION: THE HIGHEST MONTHLY CONSUMPTION WAS RECORDED IN MARCH 2026 WITH 1,762,800 KWH.

- LOW CONSUMPTION: THE LOWEST CONSUMPTION OCCURRED IN NOVEMBER 2025 WITH 1,035,300 KWH.



PHETCHABURI INFORMATION TECHNOLOGY CAMPUS

- TOTAL ANNUAL CONSUMPTION:

THE TOTAL ELECTRICITY USAGE FOR THE 12-MONTH PERIOD WAS **4,232,083.41 KWH.**

- PEAK CONSUMPTION:

THE HIGHEST MONTHLY CONSUMPTION WAS RECORDED IN MARCH 2026 WITH 517,897.52 KWH.

- LOW CONSUMPTION:

THE LOWEST CONSUMPTION OCCURRED IN APRIL 2026 WITH 140,733.56 KWH.



2.9 GREEN BUILDING IMPLEMENTATION ELEMENTS ACROSS ALL BUILDINGS

องค์ประกอบการก่อสร้างอาคารสีเขียวไปปฏิบัติจริงตามอาคารต่าง ๆ



SANAM CHANDRA PALACE CAMPUS

THE NEW BUILDING AT SANAM CHANDRA PALACE CAMPUS IS A PRIME EXAMPLE OF SUSTAINABLE DESIGN, AIMING FOR THE TREES STANDARD (THAI RATING OF ENERGY AND ENVIRONMENTAL SUSTAINABILITY).

THE SELECTION OF MATERIALS LIKE LIGHTWEIGHT CONCRETE, HIGHLY REFLECTIVE WATERPROOF MATERIALS, AND HEAT-RESISTANT GLASS IS CRUCIAL FOR REDUCING THE BUILDING'S HEAT GAIN, SIGNIFICANTLY LOWERING THE DEMAND ON THE AIR CONDITIONING SYSTEM. FURTHERMORE, LED LIGHTS AND SOLAR CELL CURTAINS DRAMATICALLY CUT DOWN ENERGY CONSUMPTION FOR LIGHTING. FINALLY, THE INSTALLATION OF SOLAR PANELS ON THE ROOFTOP WILL HELP REDUCE RELIANCE ON THE MAIN ELECTRICAL GRID, LEADING TO LOWER OPERATING COSTS AND A REDUCTION IN CARBON EMISSIONS.

1. SMART SWITCH

SMART SWITCH IS A DEVICE THAT CONTROLS LIGHTS OR ELECTRICAL APPLIANCES THROUGH A WIRELESS NETWORK. IT ALLOWS YOU TO REMOTELY OPERATE THEM, SET SCHEDULES, OR AUTOMATE TASKS WITH VARIOUS SENSORS, AND CAN IMMEDIATELY REPLACE TRADITIONAL LIGHT SWITCHES.

2. RELAXATION SPACE, AIR-FILTERING GREENERY, AND AIRFLOW

THIS COMBINATION REFERS TO THE INTEGRATION OF COMFORTABLE INDOOR OR OUTDOOR AREAS DESIGNED TO ENHANCE OCCUPANT WELL-BEING. THE AIR-FILTERING GREENERY (PLANTS) NATURALLY IMPROVES INDOOR AIR QUALITY BY ABSORBING POLLUTANTS AND GENERATING OXYGEN. THE DEDICATED AIRFLOW (VENTILATION) ENSURES A CONSTANT SUPPLY OF FRESH AIR, MAINTAINING OCCUPANT COMFORT AND HEALTH, WHICH IS A KEY COMPONENT OF THE INDOOR ENVIRONMENTAL QUALITY CRITERION IN GREEN BUILDING STANDARDS.

3. HEAT CONTROL FILM

THIS IS A SPECIALIZED FILM APPLIED TO WINDOWS AND GLASS SURFACES. ITS PRIMARY FUNCTION IS TO REJECT A SIGNIFICANT PORTION OF SOLAR HEAT (INFRARED RADIATION) AND BLOCK HARMFUL UV RAYS BEFORE THEY ENTER THE BUILDING. BY DOING SO, IT DRASTICALLY REDUCES THE SOLAR HEAT GAIN, LESSENING THE WORKLOAD ON THE AIR CONDITIONING SYSTEM AND CONTRIBUTING DIRECTLY TO ENERGY SAVINGS.

4. INSULATED BARRIER PANELS AND LIGHTWEIGHT CONCRETE WALLS

THIS PAIRING REPRESENTS A HIGHLY EFFECTIVE THERMAL ENVELOPE. LIGHTWEIGHT CONCRETE WALLS NATURALLY OFFER BETTER THERMAL INSULATION (HIGHER R-VALUE) THAN STANDARD CONCRETE, SLOWING DOWN HEAT TRANSFER. THE INSULATED BARRIER PANELS (OR INSULATED CLADDING/PARTITIONS) ADD AN EXTRA LAYER OF THERMAL RESISTANCE, CREATING A ROBUST, CONTINUOUS INSULATION LAYER THAT MINIMIZES THE HEAT ENTERING THE BUILDING. THIS COMBINED APPROACH IS VITAL FOR ACHIEVING HIGH ENERGY EFFICIENCY, PARTICULARLY IN TROPICAL CLIMATES.

5. LIGHTWEIGHT CONCRETE

PROVIDES BETTER THERMAL INSULATION THAN CONVENTIONAL CONCRETE, SLOWING HEAT TRANSFER FROM THE OUTSIDE AND REDUCING THE ENERGY REQUIRED FOR COOLING. (ENERGY AND ATMOSPHERE)

6. LED LIGHT

EXTREMELY ENERGY EFFICIENT AND HAS A LONG LIFESPAN, DRAMATICALLY CUTTING ELECTRICITY CONSUMPTION FOR ILLUMINATION AND REDUCING THE HEAT GENERATED INDOORS, WHICH LESSENS THE LOAD ON THE HVAC SYSTEM. (ENERGY AND ATMOSPHERE)

7. WATERPROOF MATERIAL THAT CAN REFLECT THE HEAT FROM SUN LIGHT (PVC SHEET MEMBRANE)

REFLECTS SOLAR RADIATION AWAY FROM THE BUILDING ENVELOPE, PREVENTING HEAT ABSORPTION. THIS DIRECTLY COMBATS THE URBAN HEAT ISLAND EFFECT AND KEEPS THE INTERIOR COOLER. (ENERGY AND ATMOSPHERE / SITE AND LANDSCAPE)

8. SOLAR CELL CURTAIN

SERVES A DUAL PURPOSE: IT ACTS AS A SUN-SHADING DEVICE TO REDUCE DIRECT SOLAR HEAT GAIN THROUGH THE WINDOWS, WHILE SIMULTANEOUSLY GENERATING CLEAN ELECTRICITY. (ENERGY AND ATMOSPHERE)

9. HIGH CEILING FOR GOOD AIR FLOW AND HEAT RELEASED TO THE TOP OF BUILDING

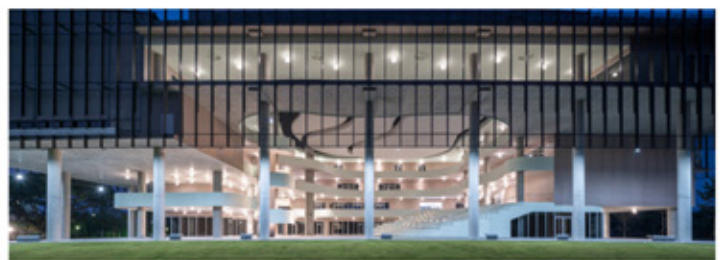
PROMOTES NATURAL VENTILATION AND INTERNAL AIR QUALITY. AS WARM AIR RISES, THE HIGH CEILING CREATES A BUFFER ZONE AND ALLOWS HEAT TO ACCUMULATE AT THE TOP, AWAY FROM OCCUPANTS, BEFORE BEING VENTED OUT. (INDOOR ENVIRONMENTAL QUALITY / ENERGY AND ATMOSPHERE)

10. HEAT RESISTANT GLASS

SIGNIFICANTLY REDUCES SOLAR HEAT GAIN WHILE STILL ALLOWING DAYLIGHT PENETRATION, WHICH MINIMIZES THE RELIANCE ON ARTIFICIAL LIGHTING AND LOWERS THE ENERGY NEEDED FOR COOLING. (ENERGY AND ATMOSPHERE)

11. PERFORATED STEEL SHEET (NEW CANTEN BUILDING TO BE CONSTRUCTED)

FUNCTIONS AS AN EFFECTIVE EXTERIOR SUN-SHADING LAYER, FILTERING INTENSE DIRECT SUNLIGHT BEFORE IT HITS THE BUILDING'S MAIN WALL OR GLASS. THIS REDUCES HEAT GAIN WITHOUT COMPLETELY BLOCKING NATURAL LIGHT OR AIRFLOW. (ENERGY AND ATMOSPHERE / INDOOR ENVIRONMENTAL QUALITY)



PHETCHABURI INFORMATION TECHNOLOGY CAMPUS

THE RECREATION AND ACTIVITIES BUILDING AT SILPAKORN UNIVERSITY, PHETCHABURI CAMPUS, HAS RECEIVED AN AWARD FOR ITS OUTSTANDING ENERGY-SAVING BUILDING DESIGN. IT SUCCESSFULLY COMBINES AESTHETIC BEAUTY WITH ENERGY EFFICIENCY, ACHIEVING A TOTAL ENERGY SAVING OF 67%.

THE KEY COMPONENTS CONTRIBUTING TO THIS IMPRESSIVE PERFORMANCE ARE:

1. **REINFORCED CONCRETE ROOF AND INSULATED METAL SHEET ROOF WITH ALUMINUM FOIL WRAPPING:** PROVIDES SUPERIOR THERMAL RESISTANCE BY BOTH REFLECTING SOLAR RADIATION (FOIL) AND BLOCKING HEAT TRANSFER (INSULATION) INTO THE BUILDING.

2. **SPLIT-TYPE AIR CONDITIONING SYSTEM (18,000 - 100,000 BTU/HR) WITH 62 UNITS RATED ENERGY LABEL NO. 5:**

3. UTILIZES HIGH-EFFICIENCY AIR CONDITIONERS CERTIFIED BY THE GOVERNMENT'S HIGHEST ENERGY-SAVING STANDARD, MINIMIZING ELECTRICITY CONSUMPTION FOR COOLING.

4. **SOLAR CELL PANELS (126 UNITS) WITH A TOTAL INSTALLED CAPACITY OF 39.06 KW-H/YEAR:** GENERATES CLEAN, RENEWABLE ELECTRICITY ON-SITE, SIGNIFICANTLY OFFSETTING THE BUILDING'S TOTAL ENERGY DEMAND AND REDUCING RELIANCE ON THE EXTERNAL POWER GRID.

5. **LED LIGHTS (9 - 36 WATTS) WITH A TOTAL INSTALLED POWER OF 31 KW:** EMPLOYS HIGHLY EFFICIENT LIGHTING TECHNOLOGY TO DRASTICALLY LOWER ELECTRICITY CONSUMPTION FOR ILLUMINATION, WHILE ALSO REDUCING THE HEAT LOAD INSIDE THE BUILDING.

6. **LIGHTWEIGHT AERATED CONCRETE WALLS WITH PLASTER FINISH:** LIGHTWEIGHT CONCRETE HAS EXCELLENT THERMAL INSULATION PROPERTIES, SLOWING THE RATE OF HEAT TRANSFER THROUGH THE WALLS COMPARED TO CONVENTIONAL CONCRETE.

7. **6 MM EURO GREY TINTED GLASS AND DOUBLE-LAYERED 4 MM LAMINATED GLASS:** THE TINTED AND DOUBLE-LAYERED LAMINATED GLASS WORKS AS AN EFFECTIVE BARRIER TO REDUCE SOLAR HEAT GAIN AND GLARE, WHILE THE DOUBLE LAYER PROVIDES ADDED THERMAL INSULATION.

อาคารอนุรักษ์พลังงาน 2562

อาคารกิจกรรมและนันทนาการ
มหาวิทยาลัยศิลปากร วิทยาเขตเพชรบุรี

 ใช้นิรภา Metal Sheet
  ระบบปรับอากาศแบบแยกตัว
  ถัดด้วยแสงโซลาร์เซลล์ 126 แผง
  หลอดไฟ LED ขนาด 9 - 36 วัตต์
  ผนังคอนกรีตมวลเบาฉาบปูน
  กระจกสียูโรเกรย์และกระจก laminated






2.10

GREENHOUSE GAS (GHG) EMISSION REDUCTION PROGRAM

โครงการลดการปล่อยก๊าซเรือนกระจก

SILPAKORN UNIVERSITY HAS IMPLEMENTED A WIDE RANGE OF ACTIVITIES AND MEASURES TO SUPPORT GREENHOUSE GAS EMISSION REDUCTION AND MOVE TOWARD CARBON NEUTRALITY. THESE INITIATIVES CAN BE CLASSIFIED INTO THREE GREENHOUSE GAS EMISSION SCOPES: SCOPE 1, SCOPE 2, AND SCOPE 3.



SCOPE 1 :

REFERS TO GREENHOUSE GAS EMISSIONS FROM SOURCES THAT THE UNIVERSITY OWNS OR DIRECTLY CONTROLS, SUCH AS FUEL CONSUMPTION IN VEHICLES AND MACHINERY, REFRIGERANT LEAKAGE, AND ON-SITE WASTEWATER TREATMENT PROCESSES.

1.1 NON-CFC AIR CONDITIONERS

REPLACING AIR CONDITIONERS WITH UNITS THAT DO NOT USE CFCs, OR THAT USE REFRIGERANTS WITH LOWER ENVIRONMENTAL IMPACT, HELPS REDUCE THE RISK OF REFRIGERANT LEAKAGE, WHICH INVOLVES GREENHOUSE GASES WITH HIGH GLOBAL WARMING POTENTIAL. IF REFRIGERANTS LEAK, THEY CONTRIBUTE DIRECTLY TO GLOBAL WARMING. THEREFORE, ADOPTING SAFER AND MORE ENVIRONMENTALLY FRIENDLY COOLING SYSTEMS HELPS REDUCE SCOPE 1 EMISSIONS.

1.2 SOLAR PROPELLER WASTEWATER AERATOR

A SOLAR-POWERED AERATION SYSTEM USED IN WASTEWATER TREATMENT HELPS REDUCE RELIANCE ON FUEL OR ELECTRICITY FOR TREATMENT OPERATIONS WHILE IMPROVING TREATMENT EFFICIENCY. IF WASTEWATER IS NOT PROPERLY MANAGED, ANAEROBIC CONDITIONS MAY GENERATE METHANE (CH₄) AND NITROUS OXIDE (N₂O). THEREFORE, AN EFFECTIVE AERATION SYSTEM HELPS REDUCE DIRECT GREENHOUSE GAS EMISSIONS.

1.3 DRAINAGE SYSTEM AND WASTEWATER TREATMENT POND IMPROVEMENT PROJECT

IMPROVING THE DRAINAGE SYSTEM AND WASTEWATER TREATMENT PONDS HELPS REDUCE WASTE ACCUMULATION AND LOWERS THE RISK OF GREENHOUSE GAS GENERATION FROM ANAEROBIC DECOMPOSITION. IN SIMPLE TERMS, BETTER WASTEWATER MANAGEMENT LEADS TO LOWER EMISSIONS FROM SOURCES WITHIN THE UNIVERSITY ITSELF.

1.4 TREE PLANTING FOR CARBON SEQUESTRATION

THE PHETCHABURI CAMPUS HAS PLANTED A LARGE NUMBER OF TREES, SUCH AS MELALEUCA, TEAK, AND NEEM, INCLUDING THE ACTIVITY "PLANTING NEEM TREES FOR CARBON CREDITS." ALTHOUGH TREE PLANTING DOES NOT DIRECTLY REDUCE EMISSIONS, IT HELPS REMOVE CARBON DIOXIDE FROM THE ATMOSPHERE AND CAN BE USED TO OFFSET UNAVOIDABLE EMISSIONS ACROSS ALL SCOPES.



SCOPE 2 :

INDIRECT GREENHOUSE GAS EMISSIONS FROM ENERGY USE SCOPE 2 REFERS TO GREENHOUSE GAS EMISSIONS RESULTING FROM THE GENERATION OF PURCHASED ENERGY USED BY THE UNIVERSITY, ESPECIALLY ELECTRICITY.

2.1 ENERGY SAVING CAMPAIGN

ENERGY-SAVING CAMPAIGNS ENCOURAGE STAFF AND STUDENTS TO SWITCH OFF LIGHTS, TURN OFF ELECTRICAL APPLIANCES, AND USE AIR CONDITIONERS APPROPRIATELY. WHEN ELECTRICITY CONSUMPTION DECREASES, THE UNIVERSITY NEEDS TO PURCHASE LESS ELECTRICITY FROM THE GRID, THEREBY REDUCING EMISSIONS ASSOCIATED WITH ELECTRICITY GENERATION.

2.2 SOLAR CELLS

THE INSTALLATION OF SOLAR CELL SYSTEMS ENABLES THE UNIVERSITY TO GENERATE ELECTRICITY FOR ITS OWN USE. THE MORE CLEAN ENERGY THE UNIVERSITY PRODUCES ON-SITE, THE LESS ELECTRICITY IT NEEDS TO PURCHASE FROM EXTERNAL SOURCES, LEADING TO A CLEAR REDUCTION IN SCOPE 2 EMISSIONS.

2.3 ENERGY-SAVING MEASURES DURING SEMESTER BREAKS

EXAMPLES INCLUDE:

- TURNING OFF BICYCLE LANE LIGHTING AFTER 9:30 P.M.
- REDUCING THE FREQUENCY OF LEAF BLOWER USE
- SUSPENDING GRASS CUTTING IN CERTAIN COMMON AREAS
- CLOSING TAP WATER VALVES AND PRODUCING WATER INDEPENDENTLY FOR USE

THESE MEASURES HELP REDUCE ELECTRICITY CONSUMPTION, WATER USE, AND THE USE OF RESOURCES THAT REQUIRE ENERGY FOR MANAGEMENT, THEREBY LOWERING THE UNIVERSITY'S OVERALL ENERGY CONSUMPTION.

2.4 MEETING ROOM USAGE GUIDELINES / GREEN OFFICE

GREEN OFFICE TRAINING AND THE ESTABLISHMENT OF TARGETS FOR RESOURCE USE, ENERGY, WASTE, AND GREENHOUSE GAS EMISSIONS HELP DEPARTMENTS USE ELECTRICITY AND RESOURCES MORE EFFICIENTLY. THIS CREATES A SYSTEMATIC APPROACH TO CONTINUOUSLY REDUCING ENERGY CONSUMPTION IN BUILDINGS AND OFFICES.



SCOPE 3 :

OTHER INDIRECT GREENHOUSE GAS EMISSIONS IN THE VALUE CHAIN SCOPE 3 REFERS TO GREENHOUSE GAS EMISSIONS THAT DO NOT RESULT DIRECTLY FROM UNIVERSITY-OWNED OR CONTROLLED SOURCES, NOR FROM PURCHASED ELECTRICITY, BUT ARISE FROM RELATED ACTIVITIES SUCH AS TRANSPORTATION, PROCUREMENT, MATERIAL USE, WASTE MANAGEMENT, AND THE BEHAVIOR OF STAKEHOLDERS.

3.1 SERVICE BUS

PROVIDING SHUTTLE BUS SERVICES WITHIN THE UNIVERSITY HELPS REDUCE THE USE OF PRIVATE VEHICLES BY STUDENTS AND STAFF. IF MANY PEOPLE TRAVEL IN ONE VEHICLE INSTEAD OF DRIVING MULTIPLE PERSONAL CARS, EMISSIONS FROM TRANSPORTATION CAN BE REDUCED.

3.2 ONLINE MEETINGS

ONLINE MEETINGS HELP REDUCE TRAVEL FOR ATTENDING MEETINGS. LESS TRAVEL MEANS LESS FUEL CONSUMPTION AND, THEREFORE, LOWER CARBON EMISSIONS.

3.3 BIO-FERTILIZER

THE PRODUCTION AND USE OF BIO-FERTILIZER FROM ORGANIC MATERIALS HELP REDUCE DEPENDENCE ON CHEMICAL FERTILIZERS AND DECREASE THE AMOUNT OF ORGANIC WASTE THAT WOULD OTHERWISE REQUIRE DISPOSAL. THIS PROVIDES TWO BENEFITS: REDUCING THE PURCHASE OF CARBON-INTENSIVE PRODUCTS ASSOCIATED WITH PRODUCTION AND TRANSPORTATION, AND REDUCING WASTE REQUIRING MANAGEMENT.

3.4 E-DOCUMENT SYSTEM (D-SARABAN) AND ROOM BOOKING SYSTEM

THE USE OF ELECTRONIC DOCUMENT SYSTEMS AND ONLINE ROOM BOOKING SYSTEMS HELPS REDUCE PAPER CONSUMPTION, PRINTING INK, AND OFFICE SUPPLIES. USING LESS PAPER MEANS REDUCING CARBON EMISSIONS FROM PAPER PRODUCTION, TRANSPORTATION, AND DISPOSAL.

3.5 TREE PLANTING/CARBON CREDITS (1,507 TREES)

WHILE TREE PLANTING (CARBON SEQUESTRATION) IS TECHNICALLY AN OFFSET MEASURE, IT IS CRITICAL FOR ACHIEVING OVERALL CARBON NEUTRALITY. THE VAST NUMBER OF TREES (1,507) ACTIVELY REMOVES CO₂ FROM THE ATMOSPHERE, COMPENSATING FOR UNAVOIDABLE EMISSIONS ACROSS ALL THREE SCOPES.

3.6 ACTIVITIES AT THE 18TH THAP KAEW BOOK FAIR

ACTIVITIES ORGANIZED DURING THE EVENT INCLUDED:

- D.I.Y. BOTTLE CAP ACTIVITY
- BOTTLE-BRUSH-CREATE
- GROW FOR THE EARTH
- GREEN QUIZ

THESE ACTIVITIES PLAYED AN IMPORTANT ROLE IN PROMOTING ENVIRONMENTAL AWARENESS, UNDERSTANDING, AND BEHAVIOR. THE D.I.Y. BOTTLE CAP ACTIVITY AND BOTTLE-BRUSH-CREATE SUPPORTED THE REUSE AND UPCYCLING OF MATERIALS, THEREBY HELPING REDUCE WASTE AND THE DEMAND FOR NEW MATERIALS. GROW FOR THE EARTH HELPED INCREASE GREEN SPACES AND CULTIVATE ENVIRONMENTAL CONSCIOUSNESS, WHILE GREEN QUIZ PROMOTED KNOWLEDGE AND ENCOURAGED PARTICIPANTS TO USE RESOURCES MORE RESPONSIBLY.

ALTHOUGH THESE ACTIVITIES MAY NOT IMMEDIATELY REDUCE EMISSIONS IN A FORM THAT CAN BE CLEARLY QUANTIFIED, THEY ARE IMPORTANT BEHAVIORAL AND EDUCATIONAL SUPPORT ACTIVITIES THAT INFLUENCE SCOPE 3 EMISSIONS THROUGH CONSUMPTION PATTERNS, MATERIAL USE, AND WASTE MANAGEMENT WITHIN THE VALUE CHAIN.

3.7 TRAINING AND WORKSHOPS ON CARBON NEUTRALITY / CARBON FOOTPRINT

EXAMPLES INCLUDE:

- WORKSHOP ON THE STRATEGIC PLAN FOR DRIVING SILPAKORN UNIVERSITY TOWARD CARBON NEUTRALITY
- WORKSHOP ON "PATH TO CARBON NEUTRALITY: STRATEGIES AND MEASURES FOR SILPAKORN UNIVERSITY"
- PRACTICAL TRAINING WORKSHOP ON CARBON FOOTPRINT ASSESSMENT

THESE ACTIVITIES DO NOT DIRECTLY REDUCE CARBON EMISSIONS, BUT THEY ARE IMPORTANT TOOLS THAT ENABLE THE UNIVERSITY TO MEASURE, MANAGE, AND REDUCE EMISSIONS SYSTEMATICALLY ACROSS ALL ACTIVITIES, ESPECIALLY SCOPE 3, WHICH IS THE MOST COMPLEX. THEREFORE, ALL OF T



SURIC NEWS

วันจันทร์ที่ 17 พฤศจิกายน 2568

สำนักงานบริหารการวิจัย นวัตกรรมและการสร้างสรรค์

ได้จัดโครงการอบรมเชิงปฏิบัติการ "แผนยุทธศาสตร์ขับเคลื่อนมหาวิทยาลัยศิลปากร
สู่ความเป็นกลางทางคาร์บอน ปี พ.ศ. 2569-2572"





2.11

TOTAL CARBON FOOTPRINT (CO₂ EMISSION IN THE LAST 12 MONTHS)

ปริมาณคาร์บอนฟุตพริ้นท์ทั้งหมด ในรอบ 12 เดือนที่ผ่านมา

CARBON FOOTPRINT 18,639.03 METRIC TONS

2.12

CARBON FOOTPRINT PER CAMPUS POPULATION

ปริมาณคาร์บอนฟุตพริ้นท์ต่อจำนวนประชากรในวิทยาเขต

0.53 METRIC TONS PER PERSON

2.13

NUMBER OF INNOVATIVE PROGRAM(S) IN ENERGY AND CLIMATE CHANGE

คณะวิชา/หน่วยงานของท่านมีโครงการ มาตรการ หรือ นวัตกรรมด้านพลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ จำนวนกี่โครงการ

THE INNOVATIVE PROGRAMS ADDRESSING ENERGY AND CLIMATE CHANGE IMPLEMENTED AT OUR UNIVERSITY INCLUDE THE FOLLOWING:

1. GREEN OFFICE CERTIFICATION PROJECT FOR THE ADMINISTRATION BUILDING, FISCAL YEAR 2025

THIS PROJECT AIMS TO ENHANCE RESOURCE EFFICIENCY, REDUCE GREENHOUSE GAS EMISSIONS, AND PROMOTE ENVIRONMENTALLY FRIENDLY OFFICE MANAGEMENT. IT ALSO SEEKS TO CULTIVATE AND STRENGTHEN ENVIRONMENTAL AWARENESS AMONG PERSONNEL IN A CONCRETE AND SUSTAINABLE MANNER, WHILE ADVANCING TOWARD THE ESTABLISHMENT OF A GREEN OFFICE. THE PROJECT EMPHASIZES THE EFFICIENT USE OF RESOURCES, INCLUDING WATER, ELECTRICITY, PAPER, AND FUEL, AS WELL AS THE REDUCTION OF GREENHOUSE GAS EMISSIONS. IN ADDITION, IT SUPPORTS ENVIRONMENTALLY RESPONSIBLE PROCUREMENT PRACTICES AND THE USE OF ECO-FRIENDLY MATERIALS. THE BUILDING RECEIVED AN "EXCELLENT" RATING IN THE EVALUATION.

2. LAYOUT SHOWING THE LOCATIONS OF THE OUTDOOR INSPECTION AREAS

THIS LAYOUT IDENTIFIES THE OUTDOOR INSPECTION AREAS, INCLUDING THE REST AREA, CREATIVE ART GARDEN, PARKING AREA, AND GREEN SPACE. IT REFLECTS THE UNIVERSITY'S SYSTEMATIC PLANNING AND ENVIRONMENTAL MANAGEMENT OF THE CAMPUS.



3. ELECTRIC SHUTTLE BUSES WITH GPS TRACKING SYSTEM

THE UNIVERSITY PROVIDES ELECTRIC SHUTTLE BUS SERVICES FOR STUDENTS AND STAFF TO FACILITATE TRANSPORTATION AROUND CAMPUS. USERS CAN MONITOR THE LOCATION OF THE SHUTTLE BUSES IN REAL TIME THROUGH THE REAL-TIME TRAM GPS TRACKING SYSTEM, WHICH HELPS REDUCE WAITING TIMES, IMPROVE TRAVEL CONVENIENCE, AND SUPPORT SUSTAINABLE CAMPUS MOBILITY.



4. PORTABLE FILTER BOTTLES

PORTABLE FILTER BOTTLES ARE PROVIDED TO STUDENTS TO HELP REDUCE THE USE OF SINGLE-USE PLASTIC BOTTLES AND PLASTIC STRAWS.

5. DUST MONITOR

A DUST MONITOR IS USED TO MEASURE AND TRACK THE CONCENTRATION OF AIRBORNE PARTICULATE MATTER, WHICH IS ESSENTIAL FOR AIR QUALITY ASSESSMENT AND ENVIRONMENTAL HEALTH MONITORING.

6. SMART LIGHTING SYSTEM

A SMART LIGHTING SYSTEM HAS BEEN INSTALLED TO IMPROVE ENERGY EFFICIENCY IN CAMPUS BUILDINGS. IN ADDITION, SMART TECHNOLOGY IS ALSO USED TO RECORD VEHICLE ENTRIES TO THE UNIVERSITY.



7. PLASTIC USE REDUCTION CAMPAIGN

STUDENTS ARE ENCOURAGED TO BRING THEIR OWN FOOD AND BEVERAGE CONTAINERS IN ORDER TO REDUCE PLASTIC WASTE GENERATED ON CAMPUS.



8. SOLAR CELL CURTAINS

SOLAR CELL CURTAINS ARE INSTALLED TO GENERATE ELECTRICITY WHILE ALSO REDUCING HEAT ENTERING INDOOR SPACES, THEREBY IMPROVING ENERGY EFFICIENCY WITHIN BUILDINGS.



9. LIGHT TIMERS

TIMERS ARE INSTALLED TO MANAGE LIGHTING IN CAMPUS BUILDINGS EFFICIENTLY AND TO REDUCE UNNECESSARY ELECTRICITY CONSUMPTION.

10. ECO-FRIENDLY CLEANING PRODUCTS

THE UNIVERSITY USES ENVIRONMENTALLY FRIENDLY CLEANING PRODUCTS THAT ARE SAFE FOR BOTH USERS AND CLOTHING, WHILE ALSO REDUCING HARMFUL ENVIRONMENTAL IMPACTS.

11. STAINLESS STEEL STRAWS

THE UNIVERSITY PROMOTES THE USE OF STAINLESS STEEL STRAWS AS AN ALTERNATIVE TO SINGLE-USE PLASTIC STRAWS.

12. COMPOSTING FROM FOOD WASTE

FOOD WASTE IS COMPOSTED TO REDUCE THE AMOUNT OF WASTE SENT TO LANDFILLS AND TO PROMOTE SUSTAINABLE WASTE MANAGEMENT PRACTICES ON CAMPUS.

13. CLOTH ALTERNATIVES TO TISSUE PAPER

CLOTH IS USED IN PLACE OF TISSUE PAPER IN CERTAIN AREAS TO HELP MINIMIZE PAPER WASTE AND ENCOURAGE REUSABLE ALTERNATIVES.

14. VOLUNTEER ENVIRONMENTAL DEVELOPMENT PROJECT

THIS PROJECT ENCOURAGES PARTICIPATION FROM STUDENTS AND STAFF IN ACTIVITIES RELATED TO ENVIRONMENTAL IMPROVEMENT AND SUSTAINABLE CAMPUS DEVELOPMENT.

15. ENERGY CONSERVATION SIGNAGE

SIGNS ARE DISPLAYED THROUGHOUT THE CAMPUS TO ENCOURAGE REDUCED ENERGY CONSUMPTION AND PROMOTE ENERGY-SAVING PRACTICES AMONG STUDENTS, STAFF, AND VISITORS.



2.14

IMPACTFUL UNIVERSITY PROGRAM(S) ON CLIMATE CHANGE

โครงการของมหาวิทยาลัยที่มีผลต่อการเปลี่ยนแปลงสภาพภูมิอากาศ

1. GREEN OFFICE

THIS PROJECT FOCUSES ON PROMOTING BEHAVIORAL CHANGE AND ENVIRONMENTAL MANAGEMENT IN FOUR KEY DIMENSIONS:



1.1. EFFICIENT RESOURCE UTILIZATION

THE PROJECT PROMOTES THE EFFICIENT AND COST-EFFECTIVE USE OF RESOURCES, INCLUDING ELECTRICITY, WATER, AND PAPER, IN ORDER TO MAXIMIZE RESOURCE EFFICIENCY. THIS IS ALIGNED WITH SUSTAINABLE DEVELOPMENT GOAL 7 (SDG 7: AFFORDABLE AND CLEAN ENERGY).

1.2. SYSTEMATIC WASTE MANAGEMENT

THE PROJECT EMPHASIZES PROPER WASTE SEPARATION AND WASTE REDUCTION IN ORDER TO MINIMIZE ENVIRONMENTAL IMPACTS, INCLUDING PREVENTING LAND-BASED WASTE FROM ENTERING WATERWAYS AND EVENTUALLY BECOMING MARINE DEBRIS. THIS IS ALIGNED WITH SUSTAINABLE DEVELOPMENT GOALS 12 AND 14 (SDG 12: RESPONSIBLE CONSUMPTION AND PRODUCTION, AND SDG 14: LIFE BELOW WATER).



1.3. GREEN PROCUREMENT

THE PROJECT SUPPORTS THE SELECTION AND USE OF ENVIRONMENTALLY FRIENDLY MATERIALS, EQUIPMENT, AND PRODUCTS IN ORDER TO ENCOURAGE RESPONSIBLE CONSUMPTION AND SUSTAINABLE RESOURCE USE. THIS IS ALIGNED WITH SUSTAINABLE DEVELOPMENT GOAL 12 (SDG 12: RESPONSIBLE CONSUMPTION AND PRODUCTION).

1.4. GREENHOUSE GAS EMISSIONS REDUCTION

THE PROJECT PROMOTES THE ASSESSMENT, CALCULATION, AND REDUCTION OF GREENHOUSE GAS EMISSIONS RESULTING FROM OFFICE ACTIVITIES IN ORDER TO CONTRIBUTE TO CLIMATE CHANGE MITIGATION. THIS IS ALIGNED WITH SUSTAINABLE DEVELOPMENT GOAL 13 (SDG 13: CLIMATE ACTION).

THIS PROJECT NOT ONLY AIMS TO TRANSFORM THE WORKPLACE INTO AN ENVIRONMENTALLY FRIENDLY SPACE, BUT ALSO CONTRIBUTES TO THE DEVELOPMENT OF SUSTAINABLE CITIES AND COMMUNITIES BY SERVING AS A MODEL FOR EFFICIENT RESOURCE MANAGEMENT WITHIN THE ORGANIZATION. THIS IS ALIGNED WITH SUSTAINABLE DEVELOPMENT GOAL 11 (SDG 11: SUSTAINABLE CITIES AND COMMUNITIES).

IN ADDITION, THE PROJECT HELPS REDUCE ENVIRONMENTAL IMPACTS WHILE FOSTERING A HEALTHY WORKING ENVIRONMENT FOR PERSONNEL, IN LINE WITH SUSTAINABLE DEVELOPMENT GOAL 3 (SDG 3: GOOD HEALTH AND WELL-BEING). IT ALSO ENHANCES ENVIRONMENTAL KNOWLEDGE, UNDERSTANDING, AND AWARENESS AMONG ALL PERSONNEL, IN LINE WITH SUSTAINABLE DEVELOPMENT GOAL 4 (SDG 4: QUALITY EDUCATION).

2. ABC: ECO KEYCHAIN WORKSHOP

THE OFFICE OF RESEARCH ADMINISTRATION, INNOVATION, AND CREATIVITY PARTICIPATED IN ORGANIZING AN EXHIBITION BOOTH TO DISSEMINATE KNOWLEDGE ON THE 17 SUSTAINABLE DEVELOPMENT GOALS (SDGs), WHILE ALSO PROMOTING AWARENESS AND CONSCIOUSNESS REGARDING SUSTAINABLE ENERGY USE THROUGH THE ABC: ECO KEYCHAIN WORKSHOP ACTIVITY.



THIS ACTIVITY PROVIDED AN OPPORTUNITY FOR UNIVERSITY STAFF AND STUDENTS TO EXCHANGE PLASTIC BOTTLE CAPS FOR EGGS. THE COLLECTED BOTTLE CAPS WERE THEN RECYCLED AND TRANSFORMED INTO KEY-CHAINS IN ORDER TO PROMOTE THE EFFICIENT USE OF RESOURCES AND TO FOSTER GREATER AWARENESS AMONG STAFF AND STUDENTS OF THE IMPORTANCE OF CONTINUOUS ENVIRONMENTAL CONSERVATION.

3. ORGANIZED THE SURIC BOOTH TO DISSEMINATE KNOWLEDGE ON THE SUSTAINABLE DEVELOPMENT GOALS (SDGS).



THE OFFICE OF RESEARCH ADMINISTRATION, INNOVATION, AND CREATIVITY PARTICIPATED IN ORGANIZING THE SURIC BOOTH TO DISSEMINATE KNOWLEDGE AND RAISE AWARENESS OF THE SUSTAINABLE DEVELOPMENT GOALS (SDGS) THROUGH THE ACTIVITY "FIND THE SDGS: CROSSWORD CHALLENGE." THE EVENT ALSO PROMOTED PROPER WASTE SEGREGATION PRACTICES IN ORDER TO CULTIVATE ENVIRONMENTAL CONSCIOUSNESS AND ENCOURAGE PARTICIPANTS' INVOLVEMENT IN SUSTAINABLE DEVELOPMENT.

4. "SILPA SI SILPAKORN: THE PRIDE OF RESEARCH, INNOVATION, AND CREATIVE WISDOM"



THE OFFICE OF RESEARCH ADMINISTRATION, INNOVATION, AND CREATIVITY ORGANIZED THE PROJECT "SILPA SI SILPAKORN: THE PRIDE OF WISDOM IN RESEARCH, INNOVATION, AND CREATIVITY" (RESEARCH, INNOVATION AND CREATIVITY: RIC DAY). AS PART OF THE EVENT, THE ABC: ECO KEYCHAIN WORKSHOP WAS HELD TO PROMOTE THE UPCYCLING OF PLASTIC BOTTLE CAPS COLLECTED FROM WITHIN THE UNIVERSITY INTO ECO-FRIENDLY KEYCHAINS. THE ACTIVITY AIMED TO ENHANCE LEARNING ON THE EFFICIENT USE OF RESOURCES AND TO ENCOURAGE THE PARTICIPATION OF STAFF AND STUDENTS IN JOINTLY CREATING A SUSTAINABLE UNIVERSITY.

5. BRING BOTTLE CAPS, GET EGGS!

THE OFFICE OF RESEARCH ADMINISTRATION, INNOVATION, AND CREATIVITY ORGANIZED THE ACTIVITY "FRESH EGG BANK FROM HAPPY HENS" TO INVITE STUDENTS, STAFF, FACULTY MEMBERS, AND INTERESTED INDIVIDUALS TO EXCHANGE PLASTIC BOTTLE CAPS FOR FRESH EGGS FREE OF CHARGE. THE COLLECTED BOTTLE CAPS WILL BE PROPERLY SENT FOR RECYCLING AND FURTHER DEVELOPED INTO CREATIVE ACTIVITIES FOR THE RESEARCH, INNOVATION, AND CREATIVITY EXHIBITION (RIC DAY 2026).



THIS ACTIVITY AIMS TO PROMOTE THE PRACTICAL REUSE OF WASTE MATERIALS THROUGH UPCYCLING, IN ALIGNMENT WITH THE PRINCIPLES OF SUSTAINABLE DEVELOPMENT AND THE UNIVERSITY'S COMMITMENT TO SOCIAL AND ENVIRONMENTAL RESPONSIBILITY. BRING BOTTLE CAPS, GET EGGS!



STUDENTS, STAFF, AND INTERESTED INDIVIDUALS ARE INVITED TO BRING PLASTIC BOTTLE CAPS TO EXCHANGE FOR EGGS AT THE FOLLOWING RATES:

- 0.5 KILOGRAM OF BOTTLE CAPS = 5 EGGS
- 1 KILOGRAM OF BOTTLE CAPS = 15 EGGS

EGG EXCHANGE SCHEDULE:
EGGS CAN BE EXCHANGED EVERY MONDAY, STARTING FROM MONDAY, 26 JANUARY 2026, TO 9 MARCH 2026.

6. PROJECT: "PRESENTATION OF RESEARCH AND INNOVATION PRODUCTS TO THE BUSINESS SECTOR"

SILPAKORN UNIVERSITY PRESENTED A WIDE VARIETY OF COMMERCIAL VIABLE PRODUCTS, SUCH AS FRAGRANCE PRODUCTS AND SCENT DIFFUSERS, CONTEMPORARY DECORATIVE ITEMS MADE FROM BENJARONG PORCELAIN AND UPCYCLED MATERIALS, COSMETIC PRODUCTS, HERBAL BEVERAGES, AND CERAMIC SETS. THESE OFFERINGS REFLECT THE CREATIVITY AND VALUE DERIVED FROM INTEGRATING KNOWLEDGE ACROSS MULTIPLE FACULTIES WITHIN THE UNIVERSITY.



มหาวิทยาลัยศิลปากร ร่วมทำโครงการร่วมกับบริษัทเอกชน
 กับนิทรรศการ ผลิตภัณฑ์จากวัสดุรีไซเคิล

ศูนย์ส่งเสริมและพัฒนาธุรกิจนวัตกรรม มหาวิทยาลัยศิลปากร ได้จัดกิจกรรมการนำเสนอผลงานนวัตกรรมและผลิตภัณฑ์จากวัสดุรีไซเคิลของนักศึกษาและบุคลากรมหาวิทยาลัยศิลปากร ภายใต้โครงการความร่วมมือกับบริษัทเอกชน เพื่อส่งเสริมการนำผลงานนวัตกรรมและผลิตภัณฑ์จากวัสดุรีไซเคิลไปใช้ในเชิงพาณิชย์ และเป็นการสร้างเครือข่ายความร่วมมือระหว่างมหาวิทยาลัยศิลปากรกับภาคเอกชนในการพัฒนาผลิตภัณฑ์จากวัสดุรีไซเคิลให้เป็นที่ยอมรับในตลาดเชิงพาณิชย์



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THIS EVENT MARKS A SIGNIFICANT STEP IN SUBSTANTIALLY CONNECTING THE UNIVERSITY'S ACADEMIC AND INNOVATION POTENTIAL WITH THE BUSINESS SECTOR. FURTHERMORE, IT LAYS THE GROUNDWORK FOR THE ESTABLISHMENT OF FUTURE JOINT VENTURES, REINFORCING THE UNIVERSITY'S ROLE AS A SUSTAINABLE ORGANIZATION READY TO STABLY DRIVE SOCIETY AND THE ECONOMY THROUGH KNOWLEDGE AND INNOVATION.

7. TRAINING WORKSHOP: "BCG MODEL FOR SUSTAINABLE DEVELOPMENT AND SUSTAINABLE PLASTIC WASTE MANAGEMENT WITH CIRCULAR ECONOMY PRINCIPLES"



A WORKSHOP WAS HELD IN KABIN BURI DISTRICT, PRACHINBURI PROVINCE, FOCUSING ON THE "BCG MODEL TOWARDS SUSTAINABLE DEVELOPMENT AND SUSTAINABLE PLASTIC WASTE MANAGEMENT WITH CIRCULAR ECONOMY PRINCIPLES." THIS EVENT WAS ORGANIZED BY THE PRACHINBURI PROVINCIAL OFFICE OF NATURAL RESOURCES AND ENVIRONMENT.

8. RESEARCH PROJECT ON INCENSE SMOKE EFFECTS OF FACULTY OF SCIENCE



DURING IMPORTANT FESTIVALS, SOME TEMPLES AND SHRINES BURN OVER THREE MILLION INCENSE STICKS PER DAY. THIS ACTIVITY GENERATES INCENSE SMOKE AND PM 2.5 DUST THAT SPREADS THROUGHOUT THE AREA. EVEN PEOPLE WITHIN THE TEMPLES AND SHRINES SUFFER FROM RESPIRATORY AND LUNG PROBLEMS DUE TO SEVERAL CARCINOGENIC AND NEUROTOXIC SUBSTANCES FOUND IN THE INCENSE SMOKE AND PM2.5, MANY OF WHICH ALSO DAMAGE THE LIVER AND KIDNEYS.

9. SIGNING CEREMONY OF THE LETTER OF UNDERSTANDING (LOU) UNDER THE THAILAND GREEN TOURISM PLAN 2030

THE PURPOSE IS TO PROMOTE AND ELEVATE THAILAND'S TOURIST ATTRACTIONS, ACCOMMODATIONS, AND TOURISM ECOSYSTEM TO ALIGN WITH THE GLOBAL SUSTAINABLE TOURISM CRITERIA (GSTC CRITERIA), SUPPORT THE SUSTAINABLE DEVELOPMENT GOALS (SDGs), AND FOSTER COOPERATION AMONG THE GOVERNMENT, PRIVATE SECTOR, AND LOCAL NETWORKS TO DRIVE THAI TOURISM TOWARDS SUSTAINABILITY.



THE SIGNING CEREMONY IS DIVIDED INTO TWO MAIN PARTS: - THE SIGNING OF A MEMORANDUM OF UNDERSTANDING (MOU) AMONG THE DEPARTMENT OF TOURISM, MAHIDOL UNIVERSITY, GREEN DESTINATIONS, AND TRAVELIFE FOR TOUR OPERATORS. - THE SIGNING OF A LETTER OF UNDERSTANDING (LOU) ON COOPERATION BETWEEN THE DEPARTMENT OF TOURISM AND OVER 50 NETWORK PARTNERS TO INTEGRATE THEIR ROLES, DUTIES, KNOWLEDGE, COMMUNITIES, AND RESOURCES IN DRIVING SUSTAINABLE TOURISM POLICIES AND ACTIVITIES.

10. SUMMER SCHOOL, SILPAKORN UNIVERSITY



WE INVITE INTERNATIONAL STUDENTS FROM PARTNER UNIVERSITIES TO JOIN OUR SUMMER CAMP, WHERE THEY RECEIVE TRAINING AND KNOWLEDGE ABOUT CLIMATE CHANGE.

11. MOU

Science, Silpakorn University
 25 ถนนสุขุมวิท
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 ประเทศไทย
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 เว็บไซต์: www.silpakorn.ac.th



THE OFFICE OF RESEARCH ADMINISTRATION, INNOVATION, AND CREATIVITY ORGANIZED THE PROJECT "SILPA SI SILPAKORN: THE PRIDE OF WISDOM IN RESEARCH, INNOVATION, AND CREATIVITY" (RESEARCH, INNOVATION AND CREATIVITY: RIC DAY). AS PART OF THE EVENT, THE ABC: ECO KEYCHAIN WORKSHOP WAS HELD TO PROMOTE THE UPCYCLING OF PLASTIC BOTTLE CAPS COLLECTED FROM WITHIN THE UNIVERSITY INTO ECO-FRIENDLY KEYCHAINS. THE ACTIVITY AIMED TO ENHANCE LEARNING ON THE EFFICIENT USE OF RESOURCES AND TO ENCOURAGE THE PARTICIPATION OF STAFF AND STUDENTS IN JOINTLY CREATING A SUSTAINABLE UNIVERSITY.

2.15 IMPACT OF ENERGY AND CLIMATE CHANGE PROGRAMS IN SUPPORTING THE SDGs

ผลกระทบของพลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศในการสนับสนุนเป้าหมายการพัฒนาที่ยั่งยืน



ASSESSMENT OF THE ALIGNMENT OF PROGRAMS AND ACTIVITIES WITH THE SUSTAINABLE DEVELOPMENT GOALS (SDGs)
 THE REVIEWED PROGRAMS AND ACTIVITIES WERE FOUND TO ALIGN WITH A TOTAL OF 10 SDGS.

1) GREEN OFFICE PROGRAM

RELEVANT SDGS:

- SDG 7 AFFORDABLE AND CLEAN ENERGY
- SDG 12 RESPONSIBLE CONSUMPTION AND PRODUCTION
- SDG 13 CLIMATE ACTION
- SDG 11 SUSTAINABLE CITIES AND COMMUNITIES
- SDG 3 GOOD HEALTH AND WELL-BEING
- SDG 4 QUALITY EDUCATION

THE GREEN OFFICE PROGRAM PROMOTES ENVIRONMENTALLY RESPONSIBLE OFFICE MANAGEMENT THROUGH EFFICIENT USE OF ENERGY, WATER, PAPER, AND OTHER RESOURCES, TOGETHER WITH WASTE REDUCTION, WASTE SEGREGATION, AND GREENHOUSE GAS REDUCTION PRACTICES. ACCORDING TO THE EVIDENCE IN THE FILE, THIS APPROACH IS ALSO LINKED TO THE ESTABLISHMENT OF TARGETS AND INDICATORS FOR RESOURCE USE, ENERGY, WASTE, AND GREENHOUSE GAS EMISSIONS, AS WELL AS TRAINING ON GREEN OFFICE OPERATIONS AT THE PHETCHABURI INFORMATION TECHNOLOGY CAMPUS. IN ADDITION, MEETING ROOM USE GUIDELINES THAT ENCOURAGE ENERGY AND RESOURCE CONSERVATION.

ACCORDINGLY, THE PROGRAM ALIGNS WITH SDG 7 THROUGH ENERGY EFFICIENCY PROMOTION, SDG 12 THROUGH RESPONSIBLE RESOURCE USE AND WASTE MANAGEMENT, AND SDG 13 THROUGH ACTIONS THAT SUPPORT GREENHOUSE GAS REDUCTION. IT ALSO SUPPORTS SDG 11 BY FOSTERING SUSTAINABLE INSTITUTIONAL SPACES, SDG 3 BY PROMOTING A HEALTHIER AND BETTER-MANAGED WORKING ENVIRONMENT, AND SDG 4 BY STRENGTHENING ENVIRONMENTAL AWARENESS AND PRACTICAL KNOWLEDGE AMONG STAFF.

2) ACTIVITIES SUPPORTING SUSTAINABLE DEVELOPMENT AT THE 18TH THAP KAEW BOOK FAIR

RELEVANT SDGS:

- SDG 4 QUALITY EDUCATION
- SDG 12 RESPONSIBLE CONSUMPTION AND PRODUCTION
- SDG 13 CLIMATE ACTION
- SDG 15 LIFE ON LAND

AS SHOWN ON PAGE 2, THE UNIVERSITY ORGANIZED SEVERAL SUSTAINABILITY-RELATED ACTIVITIES DURING THE 18TH THAP KAEW BOOK FAIR, INCLUDING THE D.I.Y. BOTTLE CAP ACTIVITY, "BOTTLE-BRUSH-CREATE", "GROW FOR THE EARTH", AND "KNOW AND LOVE THE EARTH" (GREEN QUIZ). THESE ACTIVITIES WERE DESIGNED TO RAISE AWARENESS OF NATURAL RESOURCE CONSERVATION, ENCOURAGE EFFICIENT RESOURCE USE, AND PROMOTE ENVIRONMENTAL RESPONSIBILITY THROUGH CREATIVE PARTICIPATION.

THESE ACTIVITIES ALIGN WITH SDG 4 BY PROVIDING INTERACTIVE LEARNING OPPORTUNITIES, SDG 12 BY ENCOURAGING REUSE, UPCYCLING, AND WASTE REDUCTION, AND SDG 13 BY PROMOTING BEHAVIORAL CHANGE THAT HELPS REDUCE ENVIRONMENTAL IMPACTS. THE "GROW FOR THE EARTH" ACTIVITY ALSO SUPPORTS SDG 15 THROUGH THE PROMOTION OF GREEN SPACES AND ENVIRONMENTAL STEWARDSHIP.

3) ENERGY SAVING CAMPAIGN

RELEVANT SDGS:

- SDG 7 AFFORDABLE AND CLEAN ENERGY
- SDG 12 RESPONSIBLE CONSUMPTION AND PRODUCTION
- SDG 13 CLIMATE ACTION
- SDG 4 QUALITY EDUCATION

THE UNIVERSITY HAS IMPLEMENTED ENERGY-SAVING CAMPAIGNS TO ENCOURAGE STAFF AND STUDENTS TO SWITCH OFF LIGHTS, UNPLUG UNUSED ELECTRICAL EQUIPMENT, REDUCE UNNECESSARY ELEVATOR USE, AND SET AIR CONDITIONERS AT ENERGY-SAVING TEMPERATURES. EVIDENCE OF THESE COMMUNICATION CAMPAIGNS APPEARS ON PAGES 3-4, WHERE POSTERS AND DIGITAL MESSAGES PROMOTE PRACTICAL DAILY ENERGY-SAVING BEHAVIOR.

THIS INITIATIVE ALIGNS WITH SDG 7 BY IMPROVING ENERGY EFFICIENCY, SDG 12 BY ENCOURAGING RESPONSIBLE ENERGY CONSUMPTION, AND SDG 13 BY CONTRIBUTING TO THE REDUCTION OF GREENHOUSE GAS EMISSIONS FROM ELECTRICITY USE. IT ALSO SUPPORTS SDG 4 BECAUSE THE CAMPAIGN FUNCTIONS AS A FORM OF CONTINUOUS PUBLIC EDUCATION AND AWARENESS-BUILDING.

4) SOLAR CELL INSTALLATION

RELEVANT SDGS:

- SDG 7 AFFORDABLE AND CLEAN ENERGY
- SDG 13 CLIMATE ACTION
- SDG 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

THE INSTALLATION OF SOLAR CELL SYSTEMS, SHOWN ON PAGE 5, ENABLES THE UNIVERSITY TO GENERATE RENEWABLE ELECTRICITY ON-SITE AND REDUCE ITS DEPENDENCE ON GRID ELECTRICITY GENERATED FROM FOSSIL FUELS. THIS REPRESENTS A CONCRETE INSTITUTIONAL MEASURE TO TRANSITION TOWARD CLEANER ENERGY SYSTEMS.

THE INITIATIVE ALIGNS WITH SDG 7 THROUGH THE EXPANSION OF RENEWABLE ENERGY USE, SDG 13 THROUGH GREENHOUSE GAS MITIGATION, AND SDG 9 THROUGH THE APPLICATION OF SUSTAINABLE INFRASTRUCTURE AND CLEAN ENERGY TECHNOLOGY.

THE SIGNING CEREMONY IS DIVIDED INTO TWO MAIN PARTS: - THE SIGNING OF A MEMORANDUM OF UNDERSTANDING (MOU) AMONG THE DEPARTMENT OF TOURISM, MAHIDOL UNIVERSITY, GREEN DESTINATIONS, AND TRAVELIFE FOR TOUR OPERATORS. - THE SIGNING OF A LETTER OF UNDERSTANDING (LOU) ON COOPERATION BETWEEN THE DEPARTMENT OF TOURISM AND OVER 50 NETWORK PARTNERS TO INTEGRATE THEIR ROLES, DUTIES, KNOWLEDGE, COMMUNITIES, AND RESOURCES IN DRIVING SUSTAINABLE TOURISM POLICIES AND ACTIVITIES.

5) USE OF NON-CFC / LOWER-IMPACT AIR CONDITIONING SYSTEMS

RELEVANT SDGS:

- SDG 3 GOOD HEALTH AND WELL-BEING
- SDG 7 AFFORDABLE AND CLEAN ENERGY
- SDG 13 CLIMATE ACTION

AS INDICATED ON PAGE 5 AND FURTHER EXPLAINED ON PAGE 14, THE UNIVERSITY USES AIR-CONDITIONING SYSTEMS WITH REFRIGERANTS THAT HAVE LOWER ENVIRONMENTAL IMPACT. REPLACING OR SELECTING NON-CFC OR LOWER-IMPACT REFRIGERANT SYSTEMS HELPS REDUCE THE RISK OF LEAKAGE OF SUBSTANCES WITH HIGH GLOBAL WARMING POTENTIAL AND SUPPORTS MORE ENVIRONMENTALLY RESPONSIBLE COOLING PRACTICES.

THIS ACTIVITY ALIGNS WITH SDG 13 BY REDUCING CLIMATE-RELATED IMPACTS FROM REFRIGERANTS, SDG 7 THROUGH IMPROVED ENERGY-CONSCIOUS BUILDING OPERATIONS, AND SDG 3 BY SUPPORTING SAFER AND HEALTHIER INDOOR ENVIRONMENTS.

6) SERVICE BUS AND LOW-CARBON MOBILITY SUPPORT

RELEVANT SDGS:

- SDG 11 SUSTAINABLE CITIES AND COMMUNITIES
- SDG 13 CLIMATE ACTION
- SDG 3 GOOD HEALTH AND WELL-BEING

THE UNIVERSITY PROVIDES SERVICE BUS TRANSPORTATION WITHIN CAMPUS. THIS HELPS REDUCE THE USE OF PRIVATE VEHICLES BY STUDENTS AND STAFF, THEREBY DECREASING FUEL CONSUMPTION, TRAFFIC CONGESTION, AND TRANSPORT-RELATED EMISSIONS.

THIS INITIATIVE ALIGNS WITH SDG 11 BY SUPPORTING SUSTAINABLE CAMPUS MOBILITY, SDG 13 THROUGH REDUCED CARBON EMISSIONS FROM TRANSPORTATION, AND SDG 3 BY CONTRIBUTING TO IMPROVED AIR QUALITY AND A HEALTHIER CAMPUS ENVIRONMENT.

7) ONLINE MEETING SYSTEM

RELEVANT SDGS:

- SDG 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
- SDG 12 RESPONSIBLE CONSUMPTION AND PRODUCTION
- SDG 13 CLIMATE ACTION

THE USE OF ONLINE MEETINGS REDUCES THE NEED FOR TRAVEL AND LOWERS FUEL CONSUMPTION ASSOCIATED WITH IN-PERSON MEETINGS. THIS ALSO SUPPORTS MORE EFFICIENT USE OF TIME AND INSTITUTIONAL RESOURCES.

THE INITIATIVE ALIGNS WITH SDG 9 THROUGH THE USE OF DIGITAL SYSTEMS AND MODERN COMMUNICATION INFRASTRUCTURE, SDG 12 THROUGH MORE EFFICIENT RESOURCE USE, AND SDG 13 THROUGH THE REDUCTION OF TRANSPORT-RELATED GREENHOUSE GAS EMISSIONS.

8) BIO-FERTILIZER PRODUCTION AND USE

RELEVANT SDGS:

- SDG 12 RESPONSIBLE CONSUMPTION AND PRODUCTION
- SDG 13 CLIMATE ACTION
- SDG 15 LIFE ON LAND

THE UNIVERSITY'S USE OF BIO-FERTILIZER PRODUCED FROM ORGANIC MATERIALS. THIS PRACTICE HELPS REDUCE ORGANIC WASTE, LOWERS DEPENDENCE ON CHEMICAL FERTILIZERS, AND SUPPORTS MORE SUSTAINABLE LANDSCAPE AND LAND MANAGEMENT.

ACCORDINGLY, THE INITIATIVE ALIGNS WITH SDG 12 BY PROMOTING CIRCULAR USE OF ORGANIC RESOURCES, SDG 13 THROUGH REDUCED EMISSIONS ASSOCIATED WITH WASTE DISPOSAL AND EXTERNAL INPUT PRODUCTION, AND SDG 15 BY SUPPORTING SOIL AND ECOSYSTEM HEALTH.

9) E-DOCUMENT SYSTEM (D-SARABAN) AND ROOM BOOKING SYSTEM

RELEVANT SDGS:

- SDG 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
- SDG 12 RESPONSIBLE CONSUMPTION AND PRODUCTION
- SDG 13 CLIMATE ACTION

THE UNIVERSITY HAS ADOPTED AN E-DOCUMENT SYSTEM (D-SARABAN) AND AN ONLINE ROOM BOOKING SYSTEM. THESE DIGITAL SYSTEMS REDUCE PAPER USE, PRINTING, OFFICE SUPPLIES, AND UNNECESSARY ADMINISTRATIVE PROCESSES.

THESE SYSTEMS ALIGN WITH SDG 9 THROUGH DIGITAL INFRASTRUCTURE DEVELOPMENT, SDG 12 BY PROMOTING EFFICIENT AND RESPONSIBLE CONSUMPTION OF OFFICE RESOURCES, AND SDG 13 BY INDIRECTLY REDUCING EMISSIONS ASSOCIATED WITH PAPER PRODUCTION, TRANSPORT, AND DISPOSAL.

10) CARBON NEUTRALITY WORKSHOPS AND CARBON FOOTPRINT ASSESSMENT TRAINING

RELEVANT SDGS:

- SDG 4 QUALITY EDUCATION
- SDG 13 CLIMATE ACTION
- SDG 17 PARTNERSHIPS FOR THE GOALS
- SDG 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

THE UNIVERSITY ORGANIZED SEVERAL WORKSHOPS AND TRAINING ACTIVITIES RELATED TO CARBON NEUTRALITY AND GREENHOUSE GAS MANAGEMENT. THESE INCLUDE THE WORKSHOP PROJECT ON THE STRATEGIC PLAN FOR DRIVING SILPAKORN UNIVERSITY TOWARD CARBON NEUTRALITY, 2026-2029, THE WORKSHOP ON "PATH TO CARBON NEUTRALITY: STRATEGIES AND MEASURES FOR SILPAKORN UNIVERSITY" ON PAGE 9, AND THE PRACTICAL TRAINING WORKSHOP ON COLLECTING DATA AND ASSESSING THE ORGANIZATIONAL CARBON FOOTPRINT OF SILPAKORN UNIVERSITY. THESE INITIATIVES STRENGTHEN INSTITUTIONAL CAPACITY TO MEASURE, MANAGE, AND REDUCE EMISSIONS SYSTEMATICALLY. THEY ALIGN WITH SDG 4 THROUGH CAPACITY-BUILDING AND EDUCATION, SDG 13 BY SUPPORTING CLIMATE MITIGATION PLANNING, SDG 17 THROUGH INSTITUTIONAL AND STAKEHOLDER COLLABORATION, AND SDG 9 THROUGH THE DEVELOPMENT OF SYSTEMS AND TECHNICAL KNOWLEDGE FOR SUSTAINABILITY MANAGEMENT.

11) WASTEWATER MANAGEMENT IMPROVEMENT AND SOLAR WASTEWATER AERATOR

RELEVANT SDGS:

- SDG 6 CLEAN WATER AND SANITATION
- SDG 13 CLIMATE ACTION
- SDG 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
- SDG 3 GOOD HEALTH AND WELL-BEING

THE UNIVERSITY HAS IMPLEMENTED WASTEWATER-RELATED MEASURES INCLUDING A SOLAR PROPELLER WASTEWATER AERATOR, SHOWN ON PAGE 9, AS WELL AS DRAINAGE SYSTEM AND WASTEWATER TREATMENT POND IMPROVEMENT PROJECTS. THESE MEASURES HELP IMPROVE WASTEWATER TREATMENT EFFICIENCY, REDUCE ANAEROBIC CONDITIONS THAT MAY PRODUCE METHANE AND NITROUS OXIDE, AND ENHANCE ENVIRONMENTAL HEALTH MANAGEMENT ON CAMPUS.

THESE ACTIONS ALIGN WITH SDG 6 BY IMPROVING WATER AND WASTEWATER MANAGEMENT, SDG 13 THROUGH GREENHOUSE GAS REDUCTION, SDG 9 THROUGH THE APPLICATION OF ENVIRONMENTAL TECHNOLOGY AND INFRASTRUCTURE IMPROVEMENT, AND SDG 3 BY SUPPORTING HEALTHIER SURROUNDINGS.

12) TREE PLANTING AND CARBON SEQUESTRATION ACTIVITIES

RELEVANT SDGS:

- SDG 13 CLIMATE ACTION
- SDG 15 LIFE ON LAND
- SDG 11 SUSTAINABLE CITIES AND COMMUNITIES

THE PHETCHABURI INFORMATION TECHNOLOGY CAMPUS ORGANIZED TREE-PLANTING ACTIVITIES TO ENHANCE CARBON SEQUESTRATION, INCLUDING 811 MELALEUCA TREES, 95 TEAK TREES, AND 600 NEEM TREES UNDER THE "SU SAVE THE WORLD" INITIATIVE, TOTALING 1,507 TREES WITH POTENTIAL FOR CARBON CREDIT GENERATION. THESE ACTIVITIES ALSO CONTRIBUTE TO FLOOD MITIGATION AND INTEGRATED LAND-USE MANAGEMENT.

THIS INITIATIVE ALIGNS WITH SDG 13 THROUGH CARBON SEQUESTRATION AND CLIMATE ACTION, SDG 15 BY STRENGTHENING TERRESTRIAL ECOSYSTEMS AND EXPANDING GREEN COVER, AND SDG 11 BY CONTRIBUTING TO A MORE SUSTAINABLE AND RESILIENT CAMPUS ENVIRONMENT.

13) ENERGY-SAVING MEASURES DURING SCHOOL BREAKS

RELEVANT SDGS:

- SDG 7 AFFORDABLE AND CLEAN ENERGY
- SDG 6 CLEAN WATER AND SANITATION
- SDG 12 RESPONSIBLE CONSUMPTION AND PRODUCTION
- SDG 13 CLIMATE ACTION

THE PHETCHABURI INFORMATION TECHNOLOGY CAMPUS HAS INTRODUCED A SERIES OF RESOURCE AND ENERGY CONSERVATION MEASURES DURING SCHOOL BREAKS, INCLUDING TURNING OFF BICYCLE-LANE LIGHTING AFTER 9:30 P.M., MINIMIZING THE USE OF LEAF BLOWERS, SUSPENDING GRASS CUTTING IN DESIGNATED COMMON AREAS, AND IMPROVING THE EFFICIENCY OF WATER USE MANAGEMENT.

THESE MEASURES SUPPORT SDG 7 BY PROMOTING ENERGY CONSERVATION, SDG 6 THROUGH MORE EFFECTIVE WATER MANAGEMENT, SDG 12 THROUGH THE EFFICIENT UTILIZATION OF INSTITUTIONAL RESOURCES, AND SDG 13 BY HELPING TO REDUCE ENERGY-RELATED GREENHOUSE GAS EMISSIONS.

CONCLUSION

THE UNIVERSITY HAS IMPLEMENTED A BROAD RANGE OF PROGRAMS AND ACTIVITIES RELATED TO ENERGY CONSERVATION, GREENHOUSE GAS EMISSION REDUCTION, RENEWABLE ENERGY, SUSTAINABLE RESOURCE MANAGEMENT, CLIMATE EDUCATION, DIGITAL SYSTEMS, WASTEWATER MANAGEMENT, CARBON SEQUESTRATION, AND CARBON NEUTRALITY PLANNING IN A SYSTEMATIC AND CONTINUOUS MANNER. EVIDENCE IN THE REVIEWED FILE DEMONSTRATES THAT THESE INITIATIVES COVER BOTH OPERATIONAL MEASURES AND AWARENESS-BUILDING ACTIVITIES ACROSS MULTIPLE CAMPUSES, INCLUDING GREEN OFFICE OPERATIONS, ENERGY-SAVING CAMPAIGNS, SOLAR CELL INSTALLATION, LOWER-IMPACT AIR-CONDITIONING SYSTEMS, LOW-CARBON TRANSPORT, ONLINE SYSTEMS, BIO-FERTILIZER USE, WASTEWATER TREATMENT IMPROVEMENT, TREE PLANTING, AND CARBON FOOTPRINT TRAINING.

THESE INITIATIVES REFLECT THE UNIVERSITY'S STRONG COMMITMENT TO SUSTAINABILITY THROUGH PRACTICAL ACTION, INSTITUTIONAL MANAGEMENT, ENVIRONMENTAL EDUCATION, AND LONG-TERM CLIMATE GOVERNANCE.

THESE INITIATIVES DIRECTLY CONTRIBUTE TO THE ADVANCEMENT OF THE FOLLOWING SUSTAINABLE DEVELOPMENT GOALS: SDG 3, SDG 4, SDG 6, SDG 7, SDG 9, SDG 11, SDG 12, SDG 13, SDG 15, AND SDG 17.

3

UI GREEN METRIC SUSTAINABILITY REPORT 2026
SILPAKORN UNIVERSITY
SANAM CHANDRA PALACE | PHETCHABURI INFORMATION TECHNOLOGY

WS WASTE



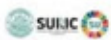
ใช้กระเป๋าผ้า แทนการใช้ถุงพลาสติก

งดรับถุงพลาสติก
เพื่อลดปริมาณขยะ
และตระหนักถึงสิ่งแวดล้อม

สนับสนุนโดยมหาวิทยาลัยราชภัฏ
พระนครศรีอยุธยา

3.1 3R (REDUCE, REUSE, RECYCLE) PROGRAM FOR UNIVERSITY'S WASTE โครงการจัดการของเสียของมหาวิทยาลัย

AS PART OF ITS LONG-TERM COMMITMENT TO SUSTAINABILITY, SILPAKORN UNIVERSITY HAS IMPLEMENTED A COMPREHENSIVE 3R (REDUCE, REUSE, RECYCLE) PROGRAM FOR WASTE MANAGEMENT ACROSS ITS CAMPUSES, INCLUDING SANAM CHANDRA PALACE CAMPUS AND PHETCHABURI INFORMATION TECHNOLOGY CAMPUS. THIS PROGRAM IS SUPPORTED BY UNIVERSITY POLICIES, OPERATIONAL MEASURES, INFRASTRUCTURE, EDUCATIONAL CAMPAIGNS, AND ACTIVE PARTICIPATION FROM STUDENTS, STAFF, AND CAMPUS OPERATORS, REFLECTING THE UNIVERSITY'S STRONG COMMITMENT TO SUSTAINABLE WASTE MANAGEMENT IN ALIGNMENT WITH THE SUSTAINABLE DEVELOPMENT GOALS (SDGS) AND THE NATIONAL SOLID WASTE MANAGEMENT MASTER PLAN.



แยกขยะอย่างถูกวิธี

จุดเริ่มต้นของการจัดการคาร์บอนอย่างยั่งยืน

มหาวิทยาลัยราชภัฏ
พระนครศรีอยุธยา



TO STRENGTHEN WASTE REDUCTION AT THE SOURCE, THE UNIVERSITY HAS LAUNCHED VARIOUS CAMPAIGNS AND PRACTICAL MEASURES TO DECREASE THE USE OF SINGLE-USE MATERIALS. THESE INCLUDE PROMOTING THE USE OF REUSABLE CUPS, CLOTH BAGS, LUNCH BOXES, AND PERSONAL CONTAINERS, AS WELL AS ENCOURAGING CUSTOMERS TO BRING THEIR OWN CONTAINERS TO SU REFILL SHOP IN EXCHANGE FOR DISCOUNTS ON ALL MENU ITEMS. THE UNIVERSITY ALSO DISTRIBUTED "SU REUSE" CUPS TO NEW STUDENTS TO FOSTER



ENVIRONMENTALLY RESPONSIBLE BEHAVIOR FROM THE BEGINNING OF CAMPUS LIFE. IN ADDITION, PROJECTS SUCH AS THE "CLEAN AND SAFE DRINKING WATER FILTRATION SYSTEM" IMPROVE ACCESS TO DRINKING WATER ON CAMPUS AND HELP REDUCE DEPENDENCE ON SINGLE-USE PLASTIC BOTTLES. PAPER REDUCTION IS ALSO PROMOTED THROUGH DIGITAL SYSTEMS AND PAPERLESS OPERATIONS, SUCH AS THE D-SARABAN SYSTEM AND THE ONLINE PERSONNEL LEAVE MANAGEMENT SYSTEM, WHICH REDUCE PAPER CONSUMPTION IN DAILY ADMINISTRATIVE PROCESSES.



IN TERMS OF REUSE, SILPAKORN UNIVERSITY PROMOTES THE REPEATED USE OF MATERIALS AND RESOURCES IN BOTH ACADEMIC AND OPERATIONAL ACTIVITIES. OFFICES HAVE DESIGNATED AND WELL-ORGANIZED AREAS FOR SORTING USED PAPER TO ENABLE REUSE, WHILE WORKSHOPS SUCH AS "RENEW REBORN" ENCOURAGE STUDENTS AND STAFF TO CREATIVELY TRANSFORM USED MATERIALS INTO NEW PRODUCTS. REUSE IS ALSO INTEGRATED INTO CAMPUS DEVELOPMENT PRACTICES, FOR EXAMPLE THROUGH THE RENOVATION OF WALKWAYS USING OLD PAVING BLOCKS, DEMONSTRATING THE PRACTICAL APPLICATION OF CIRCULAR RESOURCE USE IN PHYSICAL INFRASTRUCTURE.



FOR RECYCLING, THE UNIVERSITY HAS ESTABLISHED WASTE SEGREGATION SYSTEMS AND EDUCATIONAL ACTIVITIES TO ENSURE PROPER DISPOSAL AND EFFECTIVE RESOURCE RECOVERY. CAMPAIGNS ON WASTE SORTING COMMUNICATE CORRECT SEPARATION METHODS FOR DIFFERENT WASTE CATEGORIES, INCLUDING INFECTIOUS WASTE, HAZARDOUS WASTE, WET WASTE, RECYCLABLE WASTE, AND GENERAL WASTE. RECYCLING BINS ARE INSTALLED THROUGHOUT THE UNIVERSITY, AND COLLECTION POINTS FOR RECYCLABLE MATERIALS ARE PROVIDED IN KEY AREAS, SUCH AS THE PLASTIC BOTTLE COLLECTION POINTS UNDER THE "EST RETURN & RECYCLE" PROJECT LOCATED IN STUDENT DORMITORIES AND MANAGED BY THE STUDENT AFFAIRS DIVISION. THE UNIVERSITY ALSO SUPPORTS OFFICE-BASED WASTE REDUCTION AND SEPARATION ACTIVITIES UNDER CONCEPTS SUCH AS UPCYCLING AND ZERO WASTE.

SILPAKORN UNIVERSITY HAS FURTHER DEVELOPED VALUE-ADDED RECYCLING AND UPCYCLING INITIATIVES. PLASTIC WASTE IS TRANSFORMED INTO USEFUL PRODUCTS THROUGH THE PLASTIC WASTE UPCYCLING PROJECT LED BY ASSOC. PROF. DR. ANGIRI TIPYAROM AND STUDENT TEAMS FROM THE DEPARTMENT OF ENVIRONMENTAL SCIENCE, FACULTY OF SCIENCE. USED UHT CARTON PAPER IS COLLECTED AND RECYCLED INTO GREEN BOARDS, DEMONSTRATING HOW WASTE MATERIALS CAN BE CONVERTED INTO USEFUL NEW PRODUCTS THAT REDUCE WASTE AND SUPPORT ENVIRONMENTAL SUSTAINABILITY. THESE INITIATIVES HELP BUILD AWARENESS OF THE CIRCULAR ECONOMY WHILE INCREASING THE VALUE OF RECYCLABLE WASTE.

ORGANIC WASTE MANAGEMENT IS ANOTHER IMPORTANT COMPONENT OF THE UNIVERSITY'S 3R PROGRAM. FOOD WASTE, LEAVES, BRANCHES, AND YARD WASTE COLLECTED ON CAMPUS ARE PROCESSED INTO ORGANIC FERTILIZER THROUGH A SYSTEMATIC COMPOSTING PROCESS THAT INCLUDES MATERIAL PREPARATION, EM SOLUTION FERMENTATION, SHREDDING AND MIXING, PILE FORMATION, COMPOST MAINTENANCE, SCREENING, AND PACKAGING. THIS PROCESS HELPS REDUCE THE VOLUME OF ORGANIC WASTE, MINIMIZES OPEN BURNING, AND SUPPORTS RESOURCE RECOVERY. THE RESULTING FERTILIZER IS USED FOR CAMPUS LANDSCAPING AND GREEN AREA MAINTENANCE, DEMONSTRATING THE EFFECTIVE REUSE OF ORGANIC RESOURCES WITHIN THE UNIVERSITY.

TO ENSURE THAT THESE EFFORTS ARE SUSTAINABLE AND INSTITUTIONALLY SUPPORTED, SILPAKORN UNIVERSITY ANNOUNCED THE 2024 POLICY ON SUSTAINABLE SOLID WASTE MANAGEMENT. THIS POLICY EMPHASIZES THE 3RS PRINCIPLE, REDUCTION OF SINGLE-USE PLASTICS, ENVIRONMENTALLY FRIENDLY PACKAGING, WASTE SEGREGATION BY TYPE, DATA RECORDING FOR WASTE VOLUME MANAGEMENT, AND THE DEVELOPMENT OF MODEL WASTE MANAGEMENT PRACTICES THAT CAN BE EXPANDED TO SURROUNDING COMMUNITIES. THROUGH THESE INTEGRATED EFFORTS, THE UNIVERSITY NOT ONLY IMPROVES ITS INTERNAL WASTE MANAGEMENT EFFICIENCY BUT ALSO CULTIVATES ENVIRONMENTAL AWARENESS, RESPONSIBLE BEHAVIOR, AND LONG-TERM SUSTAINABILITY AMONG STUDENTS, STAFF, AND THE WIDER COMMUNITY.

3.2 TOTAL VOLUME OF PAPER AND PLASTIC PRODUCED THIS YEAR

ปริมาณรวมของกระดาษและพลาสติกที่เกิดขึ้นในปี
IN 2026, THE TOTAL AMOUNT OF WASTE GENERATED WAS 2,846 TONS, COMPRISING 2,372 TONS OF PLASTIC WASTE (83.35%) AND 474 TONS OF PAPER WASTE (16.65%). PLASTIC WASTE CONSISTED OF 785 TONS OF SOFT PLASTIC OR PLASTIC BAGS (27.58%) AND 1,587 TONS OF HARD PLASTIC OR PET BOTTLES (55.76%). ALL PAPER WASTE GENERATED WAS CATEGORIZED AS OFFICE PAPER (16.65%). THE DATA SHOW THAT PLASTIC WASTE REPRESENTED THE LARGEST PROPORTION OF TOTAL WASTE GENERATED IN 2026.

3.3 TOTAL VOLUME OF PAPER AND PLASTIC PRODUCED LAST YEAR

คณะวิชา/หน่วยงานของท่าน มีปริมาณกระดาษและพลาสติกที่ผลิตได้รวมในปีที่แล้ว

IN 2025, THE TOTAL AMOUNT OF WASTE GENERATED WAS 3,015 TONS, CONSISTING OF 2,528 TONS OF PLASTIC WASTE (83.85%) AND 487 TONS OF PAPER WASTE (16.15%). PLASTIC WASTE COMPRISED 823 TONS OF SOFT PLASTIC OR PLASTIC BAGS (27.30%) AND 1,705 TONS OF HARD PLASTIC OR PET BOTTLES (56.55%), WHILE ALL PAPER WASTE WAS CATEGORIZED AS OFFICE PAPER (16.15%). THE DATA INDICATE THAT PLASTIC WASTE ACCOUNTED FOR THE LARGEST SHARE OF TOTAL WASTE GENERATED IN 2025.

3.4 PROGRAM TO REDUCE THE USE OF PAPER AND PLASTIC ON CAMPUS

โครงการลดใช้กระดาษและพลาสติกภายในวิทยาเขต

THE UNIVERSITY PLACES IMPORTANCE ON WASTE REDUCTION, REDUCING THE USE OF PLASTIC AND FOAM, WASTE SEPARATION, AND PROMOTING THE USE OF ENVIRONMENTALLY FRIENDLY MATERIALS IN ORDER TO CREATE A CLEAN, PLEASANT, AND SUSTAINABLE CAMPUS.

THE ACTIVITIES ARE AS FOLLOWS:

1. COLLECTION POINTS FOR USED PAPER AND WASTE SORTING BOXES IN OFFICES



THESE PROMOTE WASTE SEPARATION AND THE REUSE OF MATERIALS.

2. A POLICY TO STOP USING FOAM CONTAINERS

THE UNIVERSITY SEEKS COOPERATION FROM ON-CAMPUS VENDORS TO STOP USING FOAM CONTAINERS AND TO SWITCH TO PACKAGING THAT IS SAFE FOR HEALTH AND ENVIRONMENTALLY FRIENDLY. "THIS POLICY HAS BEEN STRICTLY ENFORCED SINCE 2014 AND CONTINUES TO BE ACTIVELY MONITORED TODAY."

3. DISTRIBUTION OF TOTE BAGS



THIS SUPPORTS THE REDUCTION OF PLASTIC BAG USAGE.

4. THE "BE SMART BE GREEN" PROJECT



THIS PROJECT SUPPORTS THE USE OF BIOPBS IN THE PRODUCTION OF PAPER CUPS COATED WITH BIOPLASTIC AND BIOPLASTIC STRAWS, WHICH ARE MATERIALS THAT CAN NATURALLY DECOMPOSE.

5. FREE DRINKING WATER SERVICE

THIS HELPS REDUCE THE PURCHASE OF SINGLE-USE PLASTIC WATER BOTTLES.

6. SU REFILL SHOP

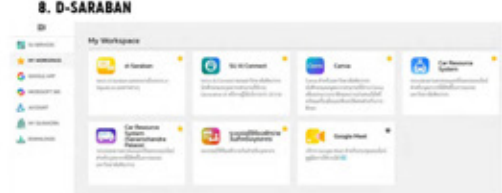


THIS IS A CONVENIENCE STORE THAT FOCUSES ON WASTE REDUCTION AND ENVIRONMENTAL SUSTAINABILITY. IT PROMOTES THE USE OF PRODUCTS AND PACKAGING THAT ARE ENVIRONMENTALLY FRIENDLY.

7. SUMS GO GREEN PROJECT

THIS PROJECT PROMOTES THE GREEN OFFICE CONCEPT AND ENHANCES KNOWLEDGE ON WASTE REDUCTION, WASTE SEGREGATION, AND ENVIRONMENTALLY FRIENDLY RESOURCE USE WITHIN THE OFFICE.

8. D-SARABAN

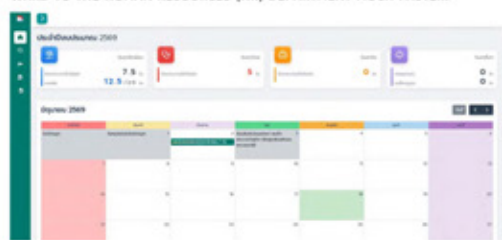


THE ELECTRONIC DOCUMENT MANAGEMENT SYSTEM (D-SARABAN) SUPPORTS BOTH E-SIGNATURES AND DIGITAL SIGNATURES. IT ENABLES FAST AND CONVENIENT APPROVALS THROUGH SYSTEM ACCOUNTS OR BY APPLYING SIGNATURE IMAGES, UTILIZING HIGH-SECURITY ENCRYPTION IN CONJUNCTION WITH INDIVIDUAL ELECTRONIC CERTIFICATES.

THIS ENSURES 100% PROTECTION AGAINST FORGERY AND ALLOWS FOR RETROSPECTIVE ALTERATION TRACKING, MAKING IT HIGHLY SUITABLE FOR IMPORTANT LEGAL DOCUMENTS. THE INTEGRATION OF BOTH SYSTEMS ENSURES SECURE, AGILE, AND HIGHLY EFFICIENT DOCUMENT MANAGEMENT.

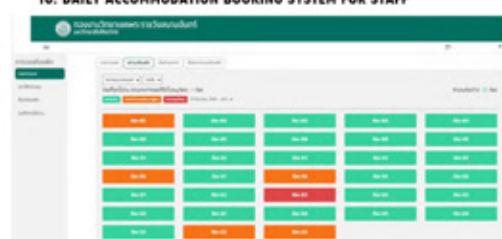
9. SU LEAVE

IT IS ONE OF THE DIGITAL TOOLS DEVELOPED TO FACILITATE PERSONNEL IN MANAGING THEIR WORK AND LEAVE REQUESTS. THE SYSTEM WAS DESIGNED UNDER THE CONCEPT OF "CLEAR VIEW, EASY TO USE, CONVENIENT APPROVAL" TO ELIMINATE COMPLEXITIES AND REDUCE REDUNDANT DATA ENTRY AND PAPERWORK. PAPER LEAVE FORMS ARE NO LONGER REQUIRED; SUPERVISORS CAN INSTANTLY APPROVE LEAVE REQUESTS ONLINE VIA COMPUTERS OR SMARTPHONES. ADDITIONALLY, SYSTEM ADMINISTRATORS (ADMINS) OF EACH FACULTY/DIVISION CAN RETRIEVE DATA, SUMMARIZE LEAVE BALANCES, AND COMPILE LEAVE STATISTICS FOR THEIR PERSONNEL TO FORWARD TO THE HUMAN RESOURCES (HR) DEPARTMENT MUCH FASTER.

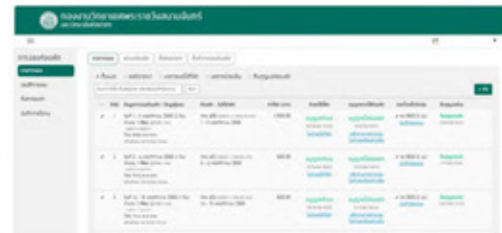


LEGAL VALIDITY: SUBMITTING LEAVE REQUESTS AND GRANTING APPROVALS VIA THE SU-IT ACCOUNT IN THE SU LEAVE SYSTEM CONSTITUTES SIGNING WITH A GENERAL ELECTRONIC SIGNATURE (E-SIGNATURE). THIS UNIQUELY LINKS THE USER'S IDENTITY AND CLEAR INTENT, MAKING IT LEGALLY BINDING UNDER THE ELECTRONIC TRANSACTIONS ACT. ONCE APPROVED THROUGH THE SU LEAVE SYSTEM, LEAVE INFORMATION IS INSTANTLY RECORDED IN THE CENTRAL DATABASE, ELIMINATING THE NEED TO SUBMIT (PHYSICAL/PAPER DOCUMENTS).

10. DAILY ACCOMMODATION BOOKING SYSTEM FOR STAFF



SILPAKORN UNIVERSITY HAS DEVELOPED AN ONLINE ACCOMMODATION BOOKING SYSTEM TO FACILITATE PERSONNEL, STUDENTS, AND VISITORS IN RESERVING ROOMS ELECTRONICALLY. THROUGH THIS SELF-SERVICE PLATFORM, USERS CAN CHECK ROOM AVAILABILITY, INPUT STAY INFORMATION, TRACK APPROVAL STATUS, AND VIEW THEIR BOOKING HISTORY.



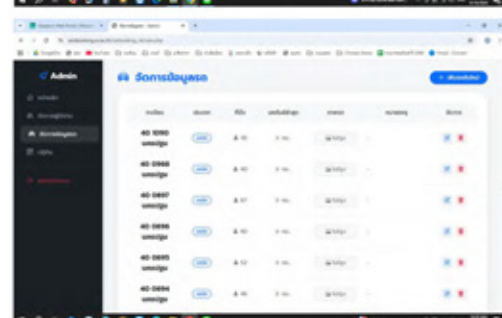
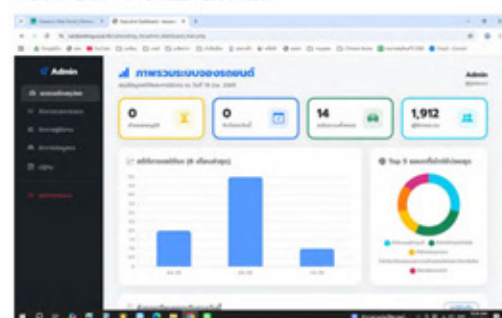
THE IMPLEMENTATION OF THIS SYSTEM REDUCES PAPERWORK IN THE RESERVATION PROCESS, MINIMIZES THE PRINTING OF REQUEST FORMS, DECREASES PHYSICAL DOCUMENT STORAGE, AND STREAMLINES TRADITIONAL COORDINATION PROCEDURES. FURTHERMORE, IT ENHANCES THE SPEED, ACCURACY, AND TRANSPARENCY OF DATA MANAGEMENT.



CONSEQUENTLY, THE ONLINE ACCOMMODATION BOOKING SYSTEM PLAYS A KEY ROLE IN DRIVING THE UNIVERSITY'S "PAPERLESS OFFICE" POLICY AND SUPPORTING ITS SUSTAINABILITY INITIATIVES UNDER THE UI GREENMETRIC CRITERIA BY REDUCING RESOURCE CONSUMPTION, MINIMIZING PAPER WASTE, AND ENHANCING INTERNAL ADMINISTRATIVE EFFICIENCY.

11. CAR RESOURCE SYSTEM

OPERATING THROUGH THIS SYSTEM REDUCES THE USE OF PAPER DOCUMENTS FOR REQUEST FORMS, APPROVAL SUBMISSIONS, AND PHYSICAL FILING. IT ALSO STREAMLINES WORKFLOWS, FACILITATES EASY RETRIEVAL OF HISTORICAL DATA, AND ENHANCES THE OVERALL EFFICIENCY OF MANAGING THE UNIVERSITY'S VEHICLE RESOURCES.



CONSEQUENTLY, THE ONLINE VEHICLE REQUEST SYSTEM PLAYS A VITAL ROLE IN DRIVING THE UNIVERSITY'S PAPERLESS OFFICE POLICY, SUPPORTING RESOURCE CONSERVATION, MINIMIZING PAPER WASTE, AND PROMOTING OPERATIONS ALIGNED WITH THE GREEN UNIVERSITY INITIATIVE.

BASED ON ALL THE AFOREMENTIONED INITIATIVES, IT CAN BE CONCLUDED THAT SILPAKORN UNIVERSITY HAS CONCRETELY INTEGRATED ENVIRONMENTAL CONSERVATION WITH DIGITAL TRANSFORMATION TO DRIVE THE INSTITUTION TOWARD BECOMING A GREEN AND SUSTAINABLE UNIVERSITY. THIS ENDEAVOR IS ANCHORED IN TWO CORE PILLARS: PROACTIVE ENVIRONMENTAL AND WASTE MANAGEMENT—INCLUDING WASTE SEPARATION CAMPAIGNS, A STRICT BAN ON FOAM CONTAINERS, THE PROMOTION OF BIODEGRADABLE BIOPLASTICS (BIOPBS), AND THE ESTABLISHMENT OF ECO-FRIENDLY STORES LIKE THE SU REFILL SHOP; AND THE TRANSITION TO A PAPERLESS OFFICE. THIS TRANSITION IS POWERED BY DIGITAL PLATFORMS SUCH AS THE SECURE AND LEGALLY BINDING ELECTRONIC DOCUMENT MANAGEMENT SYSTEM (D-SARABAN) AND ONLINE LEAVE SYSTEM (SU LEAVE), ALONGSIDE ONLINE ACCOMMODATION BOOKING AND VEHICLE RESOURCE MANAGEMENT SYSTEMS. THESE DIGITAL INNOVATIONS NOT ONLY STREAMLINE WORKFLOWS AND ENHANCE ORGANIZATIONAL TRANSPARENCY BUT ALSO SIGNIFICANTLY REDUCE PAPER AND ENERGY RESOURCE CONSUMPTION, THEREBY EFFECTIVELY ALIGNING WITH AND SUPPORTING THE UNIVERSITY'S SUSTAINABILITY GOALS UNDER THE INTERNATIONAL UI GREENMETRIC CRITERIA.

3.5 TOTAL VOLUME ORGANIC WASTE PRODUCED THIS YEAR

ปริมาณขยะอินทรีย์ทั้งหมดที่ผลิตได้รวมในปี

IN 2026, THE UNIVERSITY GENERATED A TOTAL OF 581 TONS OF ORGANIC WASTE, CONSISTING OF 180 TONS OF FOOD WASTE AND 401 TONS OF LEAVES, BRANCHES, AND OTHER ORGANIC WASTE. ALL OF THE WASTE WAS FULLY UTILIZED, WITH 162 TONS PROCESSED THROUGH DOWN-CYCLING AND 419 TONS THROUGH UP-CYCLING. OF THE FOOD WASTE, 162 TONS WERE DOWN-CYCLED AND 18 TONS WERE UP-CYCLED, WHILE ALL 401 TONS OF LEAVES AND BRANCHES WERE PROCESSED THROUGH UP-CYCLING.

3.6 TOTAL VOLUME ORGANIC WASTE PRODUCED LAST YEAR

ปริมาณรวมของขยะอินทรีย์ที่เกิดขึ้นในปีที่ผ่านมา

IN 2025, THE UNIVERSITY GENERATED A TOTAL OF 569 TONS OF ORGANIC WASTE, CONSISTING OF 185 TONS OF FOOD WASTE (32.51%) AND 384 TONS OF LEAVES, BRANCHES, AND OTHER ORGANIC WASTE (67.49%). HOWEVER, THE PROVIDED INFORMATION DOES NOT SPECIFY HOW THE WASTE IN 2025 WAS MANAGED THROUGH REUSE, DOWN-CYCLING, OR UP-CYCLING, SO ONLY THE WASTE GENERATION AMOUNTS AND THEIR PROPORTIONS BY CATEGORY CAN BE SUMMARIZED.

3.7 TOTAL VOLUME ORGANIC WASTE TREATED THIS YEAR

ปริมาณรวมของขยะอินทรีย์ที่ได้รับการจัดการ/บำบัดในปี

IN 2026, A TOTAL OF 581 TONS OF ORGANIC WASTE WAS MANAGED THROUGH BENEFICIAL UTILIZATION. OF THIS AMOUNT, 162 TONS (27.88%) WERE TREATED THROUGH DOWN-CYCLING, AND 419 TONS (72.12%) WERE TREATED THROUGH UP-CYCLING, WHILE NO WASTE WAS REUSED.

BY CATEGORY, FOOD WASTE WAS TREATED IN A TOTAL AMOUNT OF 180 TONS, OF WHICH 162 TONS (90.00%) WERE PROCESSED THROUGH DOWN-CYCLING AND 18 TONS (10.00%) THROUGH UP-CYCLING. MEANWHILE, LEAF WASTE AND OTHER ORGANIC WASTE WERE TREATED IN A TOTAL AMOUNT OF 401 TONS, ALL OF WHICH WERE PROCESSED THROUGH UP-CYCLING, ACCOUNTING FOR 100% OF THIS CATEGORY.

3.8 ORGANIC WASTE TREATMENT

การบำบัดของเสียอินทรีย์

SILPAKORN UNIVERSITY HAS ESTABLISHED A SYSTEMATIC ORGANIC WASTE MANAGEMENT APPROACH BY CONVERTING FALLEN LEAVES, BRANCHES, DRY GRASS, FOOD SCRAPS, AND OTHER BIODEGRADABLE MATERIALS INTO USEFUL PRODUCTS INSTEAD OF BURNING THEM OR DISPOSING OF THEM AS GENERAL WASTE. THIS PRACTICE HELPS REDUCE WASTE VOLUME, SMOKE, AIR POLLUTION, CARBON DIOXIDE EMISSIONS, AND PM_{2.5} DUST, WHILE ALSO LOWERING THE BURDEN OF WASTE TRANSPORTATION AND DISPOSAL. THE UNIVERSITY HAS FOSTERED STRONG COMMUNITY PARTICIPATION, PARTICULARLY AT THE SANAM CHANDRA PALACE CAMPUS, WHERE OVER 85% OF CAMPUS RESIDENTS ACTIVELY PARTICIPATE IN SEPARATING ORGANIC WASTE A TESTAMENT TO THE SUCCESS OF ITS ENVIRONMENTAL AWARENESS CAMPAIGNS.



TO SUPPORT THIS INITIATIVE, THE UNIVERSITY HAS DEVELOPED THE "SMART FERTILIZER" PROJECT AND ESTABLISHED COMPOST DEMONSTRATION SITES ACROSS ITS CAMPUSES, INCLUDING THE SANAM CHANDRA PALACE CAMPUS AND THE PHETCHABURI INFORMATION TECHNOLOGY CAMPUS. THESE SITES SERVE AS LEARNING CENTERS AND MODEL AREAS FOR SORTING AND TRANSFORMING ORGANIC WASTE, SUCH AS LEAVES AND FOOD SCRAPS, INTO HIGH-QUALITY ORGANIC FERTILIZER.



THE "SMART FERTILIZER" SYSTEM IS AN AUTOMATED, SMART WATER AND FERTILIZER MANAGEMENT SYSTEM THAT LEVERAGES IOT TECHNOLOGY TO ELEVATE SUSTAINABLE AGRICULTURE. UTILIZING SENSORS TO MEASURE SOIL MOISTURE AND NUTRIENTS (NPK), THE SYSTEM AUTOMATICALLY DISPENSES WATER AND FERTILIZER TAILORED TO THE SPECIFIC NEEDS OF THE PLANTS, WHILE SUPPORTING REAL-TIME REMOTE MONITORING AND CONTROL VIA SMARTPHONES. TESTING SHOWS THAT THE SYSTEM ACHIEVES OVER 95% ACCURACY, EFFECTIVELY SAVING RESOURCES AND REDUCING HUMAN LABOR. THE HIGH-QUALITY FERTILIZER PRODUCED IS REUSED IN THE UNIVERSITY'S GREEN AREAS AND LANDSCAPE MAINTENANCE, HELPING REDUCE DEPENDENCE ON CHEMICAL FERTILIZERS, LOWER OPERATIONAL COSTS, AND CREATE POTENTIAL INCOME-GENERATING OPPORTUNITIES.



IN ADDITION, THE UNIVERSITY PROMOTES THE CONVERSION OF BIO PAPER CUPS AND FOOD WASTE INTO COMPOST OR SAFE ANIMAL FEED. THESE INITIATIVES REFLECT THE PRINCIPLES OF THE CIRCULAR ECONOMY, WHICH EMPHASIZES MAXIMIZING THE REUSE OF WASTE MATERIALS FOR THE GREATEST POSSIBLE BENEFIT.



THE "SMART FERTILIZER" PROJECT IS AN AUTOMATED, SMART WATER AND FERTILIZER MANAGEMENT SYSTEM THAT LEVERAGES IOT TECHNOLOGY TO ELEVATE SUSTAINABLE AGRICULTURE. UTILIZING SENSORS TO MEASURE SOIL MOISTURE AND NUTRIENTS (NPK), THE SYSTEM AUTOMATICALLY DISPENSES WATER AND FERTILIZER TAILORED TO THE SPECIFIC NEEDS OF THE PLANTS. IT ALSO SUPPORTS REAL-TIME REMOTE MONITORING AND CONTROL VIA SMARTPHONES. TEST RESULTS SHOW THAT THE SYSTEM ACHIEVES OVER 95% ACCURACY, EFFECTIVELY SAVING RESOURCES AND REDUCING HUMAN LABOR.



COMPOST DEMONSTRATION SITE, SMART FERTILIZER PROJECT

3.9 TOTAL VOLUME OF INORGANIC WASTE PRODUCED THIS YEAR

ปริมาณรวมของขยะอินทรีย์ที่เกิดขึ้นในปี

IN 2026, THE UNIVERSITY GENERATED A TOTAL OF 2,846 TONS OF NON-TOXIC INORGANIC WASTE, CONSISTING OF 474 TONS OF PAPER, 785 TONS OF SOFT PLASTIC, AND 1,587 TONS OF HARD PLASTIC. COMPARED WITH 2025, THE TOTAL AMOUNT DECREASED BY 169 TONS, OR 5.60%. BY CATEGORY, PAPER DECREASED BY 13 TONS (2.67%), SOFT PLASTIC DECREASED BY 38 TONS (4.62%), AND HARD PLASTIC DECREASED BY 118 TONS (6.92%). OF THE TOTAL INORGANIC WASTE GENERATED THIS YEAR, 2,580 TONS WERE REUSED, ACCOUNTING FOR 90.65% OF THE TOTAL, WHILE 0% WAS RECORDED FOR BOTH DOWN-CYCLING AND UP-CYCLING. THIS SHOWS THAT THE UNIVERSITY'S INORGANIC WASTE MANAGEMENT THIS YEAR FOCUSED PRIMARILY ON WASTE REDUCTION AND REUSE.

3.10 TOTAL VOLUME OF INORGANIC WASTE PRODUCED LAST YEAR

ปริมาณรวมของขยะอินทรีย์ที่เกิดขึ้นในปีที่ผ่านมา

IN 2025, THE UNIVERSITY GENERATED A TOTAL OF 3,015 TONS OF NON-TOXIC INORGANIC WASTE, CONSISTING OF 487 TONS OF PAPER, 823 TONS OF SOFT PLASTIC, AND 1,705 TONS OF HARD PLASTIC. OF THIS TOTAL, 2,580 TONS WERE REPORTED AS REUSED, ACCOUNTING FOR 85.57% OF THE TOTAL INORGANIC WASTE GENERATED. THERE WAS NO RECORDED DOWN-CYCLING OR UP-CYCLING DURING THE REPORTING PERIOD. AMONG ALL CATEGORIES, HARD PLASTIC REPRESENTED THE LARGEST SHARE OF INORGANIC WASTE, FOLLOWED BY SOFT PLASTIC AND PAPER. THIS INDICATES THAT INORGANIC WASTE MANAGEMENT IN 2025 FOCUSED MAINLY ON REUSE AS THE PRIMARY TREATMENT METHOD.

3.11 TOTAL VOLUME OF INORGANIC WASTE TREATED THIS YEAR (TONS)

ปริมาณรวมของขยะอินทรีย์ที่ได้รับการจัดการหรือบำบัดในปี

IN 2026, A TOTAL OF 2,580 TONS OF NON-TOXIC INORGANIC WASTE WAS TREATED THROUGH REUSE, ACCOUNTING FOR 90.65% OF THE TOTAL INORGANIC WASTE GENERATED THIS YEAR (2,846 TONS). BY TYPE, PAPER HAD 474 TONS REUSED OR 100% OF PAPER WASTE GENERATED, SOFT PLASTIC HAD 631 TONS REUSED OR 80.38%, AND HARD PLASTIC HAD 1,475 TONS REUSED OR 92.94%. THERE WAS NO RECORDED TREATMENT THROUGH DOWN-CYCLING OR UP-CYCLING FOR ANY TYPE OF WASTE, EQUIVALENT TO 0% IN BOTH CATEGORIES. THIS SHOWS THAT THE TREATMENT OF INORGANIC WASTE THIS YEAR RELIED ENTIRELY ON REUSE AS THE MAIN MANAGEMENT APPROACH.

3.12 INORGANIC WASTE TREATMENT

การบำบัดของเสียอินทรีย์

INORGANIC WASTE TREATMENT REFERS TO THE MANAGEMENT, SEPARATION, COLLECTION, AND PROCESSING OF NON-BIODEGRADABLE WASTE IN ORDER TO REDUCE ENVIRONMENTAL IMPACT AND MAXIMIZE RESOURCE RECOVERY. THIS INCLUDES MATERIALS SUCH AS PLASTIC, GLASS, METAL, PAPER, CARDBOARD, PACKAGING MATERIALS, AND CONSTRUCTION-RELATED WASTE. EFFECTIVE INORGANIC WASTE TREATMENT SUPPORTS WASTE REDUCTION, RECYCLING, REUSE, AND THE PROPER DISPOSAL OF HAZARDOUS MATERIALS.

THE ACTIVITIES AND SYSTEMS SHOWN IN THE IMAGES REFLECT THE INSTITUTION'S EFFORTS TO PROMOTE ENVIRONMENTAL RESPONSIBILITY THROUGH PARTICIPATION, WASTE SEGREGATION, MATERIAL RECOVERY, AND SUSTAINABILITY EDUCATION.

1. WASTE MANAGEMENT AND RECYCLING ACTIVITIES

AN ACTIVITY RELATED TO WASTE MANAGEMENT OR RECYCLING, FEATURING CARDBOARD BOXES USED AS COLLECTION POINTS OR FOR SORTING RECYCLABLE MATERIALS, IS AN EXAMPLE OF INORGANIC WASTE TREATMENT IN PRACTICE. THESE BOXES HELP SEPARATE RECYCLABLE WASTE SUCH AS PAPER, CARDBOARD, PLASTIC PACKAGING, AND OTHER REUSABLE MATERIALS BEFORE THEY ARE SENT FOR RECYCLING OR PROPER PROCESSING.



THIS ACTIVITY REFLECTS THE PARTICIPATION OF STUDENTS AND STAFF IN SUPPORTING ENVIRONMENTAL INITIATIVES AND DEMONSTRATES COOPERATION IN REDUCING WASTE, IMPROVING WASTE SEGREGATION, AND PROMOTING THE APPROPRIATE REUSE OF RESOURCES.

2. WASTE SEGREGATION BY BIN TYPES



PROPER WASTE SEGREGATION IS AN ESSENTIAL PART OF INORGANIC WASTE TREATMENT BECAUSE IT HELPS ENSURE THAT RECYCLABLE AND HAZARDOUS MATERIALS ARE HANDLED CORRECTLY. COLLECTED RECYCLABLES ARE SUBSEQUENTLY SOLD TO CERTIFIED EXTERNAL VENDORS FOR PROPER RECYCLING, WHILE HAZARDOUS WASTE IS SAFELY TREATED BY AUTHORIZED AGENCIES.

3. DIGITAL INFRASTRUCTURE FOR WASTE PREVENTION

DIGITAL INFRASTRUCTURE FOR WASTE PREVENTION SUPPORTS INORGANIC WASTE TREATMENT BY IMPROVING WASTE MONITORING, DATA COLLECTION, REPORTING, AND RESOURCE MANAGEMENT. DIGITAL SYSTEMS CAN HELP TRACK WASTE GENERATION, IDENTIFY RECYCLABLE MATERIALS, MONITOR COLLECTION POINTS, AND PROMOTE MORE EFFICIENT WASTE REDUCTION PRACTICES.



THIS APPROACH ALLOWS INSTITUTIONS TO MANAGE INORGANIC WASTE MORE SYSTEMATICALLY AND MAKE INFORMED DECISIONS TO IMPROVE SUSTAINABILITY PERFORMANCE.

4. CONSTRUCTION WASTE MATERIAL RECOVERY



DIGITAL INFRASTRUCTURE FOR WASTE PREVENTION SUPPORTS INORGANIC WASTE TREATMENT BY IMPROVING WASTE MONITORING, DATA COLLECTION, REPORTING, AND RESOURCE MANAGEMENT. SDU IMPLEMENTS A DIGITAL SYSTEM (AS SHOWN IN THE EN-TECH CAMPUS PROJECT) TO TRACK PET BOTTLE RECYCLING. THIS APPROACH ALLOWS THE UNIVERSITY TO MANAGE INORGANIC WASTE MORE SYSTEMATICALLY AND MAKE INFORMED DECISIONS TO IMPROVE OUR SUSTAINABILITY PERFORMANCE.

5. CIRCULAR ECONOMY IMPLEMENTATION AND EDUCATION

CIRCULAR ECONOMY IMPLEMENTATION AND EDUCATION IS CLOSELY CONNECTED TO INORGANIC WASTE TREATMENT BECAUSE IT PROMOTES THE IDEA THAT WASTE MATERIALS SHOULD NOT BE DISCARDED IMMEDIATELY BUT SHOULD INSTEAD BE REUSED, REPAIRED, RECYCLED, OR TRANSFORMED INTO NEW PRODUCTS.

RENEW REBORN

WORKSHOP

GET READY TO EXPLORE THE WORLD OF CREATIVITY
BY PLASTIC BOTTLE CAP UPCYCLING IN A FUN WAY!
BY MR. AS. อังคิษฐ์ พิทยานุรักษ์



DETAILS:

- กลุ่มละ 30-40 คน
- 815,000 ต่อกลุ่ม พร้อมอาหารว่าง
- เวลาทั้งหมด 3 ชั่วโมง
- @ มหาวิทยาลัยศิลปากร หรือ
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WHAT WILL YOU LEARN:

- ความรู้เกี่ยวกับประเภทของพลาสติก
- ได้ลงมือปฏิบัติจริง
- ได้ของชิ้นประดิษฐ์กลับบ้าน

OUR PLATFORMS

- Facebook: Renew Reborn
- Instagram: renewreborn

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08-6629-2000



EDUCATIONAL ACTIVITIES HELP STUDENTS AND STAFF UNDERSTAND THE IMPORTANCE OF PROPER WASTE SEPARATION, RESPONSIBLE CONSUMPTION, AND RESOURCE RECOVERY. BY INTEGRATING CIRCULAR ECONOMY PRINCIPLES INTO INSTITUTIONAL PRACTICES, INORGANIC WASTE CAN BE MANAGED MORE EFFECTIVELY AND SUSTAINABLY.

3.13 TOTAL VOLUME OF TOXIC WASTE PRODUCED THIS YEAR

ปริมาณรวมของขยะอันตรายที่เกิดขึ้นในปี

IN 2026, THE TOTAL AMOUNT OF TOXIC WASTE GENERATED WAS 4.3 TONS, CONSISTING OF 1.4 TONS OF ELECTRONIC WASTE (32.56%) AND 2.9 TONS OF LABORATORY CHEMICAL WASTE (67.44%). OF THE TOTAL TOXIC WASTE TREATED, 1.0 TON (23.26%) WAS REUSED, WHILE 3.3 TONS (76.74%) WERE MANAGED THROUGH DOWN-CYCLING AND UP-CYCLING PROCESSES. SPECIFICALLY, ELECTRONIC WASTE WAS MAINLY TREATED THROUGH REUSE (1.0 TON) AND UP-CYCLING (0.4 TON), WHEREAS LABORATORY CHEMICAL WASTE WAS TREATED ENTIRELY THROUGH DOWN-CYCLING (2.9 TONS). THE DATA INDICATE THAT LABORATORY CHEMICAL WASTE CONSTITUTED THE LARGEST PROPORTION OF TOXIC WASTE GENERATED IN 2026.

3.14 TOTAL VOLUME OF TOXIC WASTE PRODUCED LAST YEAR

ปริมาณรวมของขยะอันตรายที่เกิดขึ้นในปีที่ผ่านมา

IN 2025, THE TOTAL AMOUNT OF TOXIC WASTE GENERATED WAS 4.5 TONS, CONSISTING OF 1.5 TONS OF ELECTRONIC WASTE (33.33%) AND 3.0 TONS OF LABORATORY CHEMICAL WASTE (66.67%). THE DATA INDICATE THAT LABORATORY CHEMICAL WASTE ACCOUNTED FOR THE LARGEST SHARE OF TOTAL TOXIC WASTE GENERATED IN THAT YEAR.

3.15 TOTAL VOLUME OF TOXIC WASTE TREATED THIS YEAR

ปริมาณรวมของขยะอันตรายที่ได้รับการจัดการหรือนำกลับในปี

IN 2026, A TOTAL OF 4.3 TONS OF TOXIC WASTE WAS TREATED, OF WHICH 1.0 TON (23.26%) WAS REUSED AND 3.3 TONS (76.74%) WAS PROCESSED THROUGH RECYCLING METHODS. SPECIFICALLY, ELECTRONIC WASTE WAS TREATED THROUGH 1.0 TON OF REUSE (23.26%) AND 0.4 TON OF UP-CYCLING (9.30%), WHILE LABORATORY CHEMICAL WASTE WAS TREATED THROUGH 2.9 TONS OF DOWN-CYCLING (67.44%).

3.16 TOXIC WASTE TREATMENT

การบำบัดสารเคมีอันตราย

THIS SECTION PRESENTS THE SYSTEMATIC MANAGEMENT OF LABORATORY CHEMICALS AND HAZARDOUS WASTE, INCLUDING PROPER STORAGE, SEGREGATION, COLLECTION, DOCUMENTATION, AND DISPOSAL, IN ORDER TO ENSURE OPERATIONAL SAFETY AND MINIMIZE ENVIRONMENTAL IMPACTS.

1. GUIDELINES FOR LABORATORY CHEMICAL MANAGEMENT AND PROPER HAZARDOUS WASTE DISPOSAL

GUIDELINES ARE ESTABLISHED FOR THE PROPER MANAGEMENT OF LABORATORY CHEMICALS AND HAZARDOUS WASTE DISPOSAL IN ORDER TO ENSURE SAFETY AND REDUCE ENVIRONMENTAL IMPACTS.

การจัดการสารเคมีในห้องปฏิบัติการ
มหาวิทยาลัย สอนวิชาเคมี มหาวิทยาลัยราชภัฏสวนสุนันทา

ในการจัดการสารเคมีในห้องปฏิบัติการ มหาวิทยาลัย สอนวิชาเคมี มหาวิทยาลัยราชภัฏสวนสุนันทา มีแนวทางปฏิบัติที่เคร่งครัดในการจัดการสารเคมีในห้องปฏิบัติการ เพื่อให้มั่นใจว่าสารเคมีจะถูกจัดการอย่างปลอดภัยและเหมาะสมกับประเภทของสารเคมี โดยเน้นการจัดการสารเคมีในห้องปฏิบัติการให้เป็นไปตามมาตรฐานสากล และมีการบันทึกข้อมูลการจัดการสารเคมีในห้องปฏิบัติการอย่างเป็นระบบ

1. จัดทำเอกสารนโยบายการจัดการสารเคมีในห้องปฏิบัติการ มหาวิทยาลัย สอนวิชาเคมี มหาวิทยาลัยราชภัฏสวนสุนันทา เพื่อให้บุคลากรในห้องปฏิบัติการปฏิบัติตามอย่างเคร่งครัด
2. จัดทำเอกสารนโยบายการจัดการสารเคมีในห้องปฏิบัติการ มหาวิทยาลัย สอนวิชาเคมี มหาวิทยาลัยราชภัฏสวนสุนันทา เพื่อให้บุคลากรในห้องปฏิบัติการปฏิบัติตามอย่างเคร่งครัด
3. จัดทำเอกสารนโยบายการจัดการสารเคมีในห้องปฏิบัติการ มหาวิทยาลัย สอนวิชาเคมี มหาวิทยาลัยราชภัฏสวนสุนันทา เพื่อให้บุคลากรในห้องปฏิบัติการปฏิบัติตามอย่างเคร่งครัด
4. จัดทำเอกสารนโยบายการจัดการสารเคมีในห้องปฏิบัติการ มหาวิทยาลัย สอนวิชาเคมี มหาวิทยาลัยราชภัฏสวนสุนันทา เพื่อให้บุคลากรในห้องปฏิบัติการปฏิบัติตามอย่างเคร่งครัด
5. จัดทำเอกสารนโยบายการจัดการสารเคมีในห้องปฏิบัติการ มหาวิทยาลัย สอนวิชาเคมี มหาวิทยาลัยราชภัฏสวนสุนันทา เพื่อให้บุคลากรในห้องปฏิบัติการปฏิบัติตามอย่างเคร่งครัด
6. จัดทำเอกสารนโยบายการจัดการสารเคมีในห้องปฏิบัติการ มหาวิทยาลัย สอนวิชาเคมี มหาวิทยาลัยราชภัฏสวนสุนันทา เพื่อให้บุคลากรในห้องปฏิบัติการปฏิบัติตามอย่างเคร่งครัด

เอกสารนี้เป็นเอกสารภายในมหาวิทยาลัย สอนวิชาเคมี มหาวิทยาลัยราชภัฏสวนสุนันทา
หากมีการแก้ไขหรือเปลี่ยนแปลงเอกสารนี้ กรุณาแจ้งให้ทราบล่วงหน้า
เอกสารนี้เป็นเอกสารภายในมหาวิทยาลัย สอนวิชาเคมี มหาวิทยาลัยราชภัฏสวนสุนันทา
หากมีการแก้ไขหรือเปลี่ยนแปลงเอกสารนี้ กรุณาแจ้งให้ทราบล่วงหน้า

2. LABORATORY CHEMICAL AND HAZARDOUS WASTE MANAGEMENT SYSTEM

ระบบการจัดการสารเคมี
มหาวิทยาลัย สอนวิชาเคมี มหาวิทยาลัยราชภัฏสวนสุนันทา

การจัดการสารเคมีในห้องปฏิบัติการ

2.1 การจัดการสารเคมีในห้องปฏิบัติการ
ใช้ระบบจัดการสารเคมีในห้องปฏิบัติการ เพื่อติดตามการใช้สารเคมีในห้องปฏิบัติการ และบันทึกข้อมูลการใช้สารเคมีในห้องปฏิบัติการ

2.2 การจัดการสารเคมีในห้องปฏิบัติการ
ใช้ระบบจัดการสารเคมีในห้องปฏิบัติการ เพื่อติดตามการใช้สารเคมีในห้องปฏิบัติการ และบันทึกข้อมูลการใช้สารเคมีในห้องปฏิบัติการ

2.3 การจัดการสารเคมีในห้องปฏิบัติการ
ใช้ระบบจัดการสารเคมีในห้องปฏิบัติการ เพื่อติดตามการใช้สารเคมีในห้องปฏิบัติการ และบันทึกข้อมูลการใช้สารเคมีในห้องปฏิบัติการ

การจัดการสารเคมีในห้องปฏิบัติการ

ใช้ระบบจัดการสารเคมีในห้องปฏิบัติการ เพื่อติดตามการใช้สารเคมีในห้องปฏิบัติการ และบันทึกข้อมูลการใช้สารเคมีในห้องปฏิบัติการ

การจัดการสารเคมีในห้องปฏิบัติการ

ใช้ระบบจัดการสารเคมีในห้องปฏิบัติการ เพื่อติดตามการใช้สารเคมีในห้องปฏิบัติการ และบันทึกข้อมูลการใช้สารเคมีในห้องปฏิบัติการ

SU UTILIZES AN ONLINE DATABASE SYSTEM (SHOWN IN THE THAI INTERFACE) TO TRACK CHEMICAL INVENTORIES, MONITOR USAGE, AND MANAGE HAZARDOUS WASTE DATA EFFICIENTLY, ALIGNING WITH SMART CAMPUS INITIATIVES.

3. SYSTEMATIC CHEMICAL STORAGE IN THE LABORATORY



HAZARDOUS CHEMICALS ARE PROPERLY SEGREGATED BASED ON THEIR COMPATIBILITY AND SECURELY STORED IN DESIGNATED, WELL-VENTILATED CABINETS WITHIN THE LABORATORIES.

4. PROPER COLLECTION AND DOCUMENTATION OF HAZARDOUS WASTE



HAZARDOUS WASTE IS PROPERLY COLLECTED AND DOCUMENTED TO ENSURE SAFETY AND COMPLIANCE WITH RELEVANT DISPOSAL REGULATIONS AND STANDARDS.

5. MANAGEMENT OF USED CHEMICAL SUBSTANCES

USED CHEMICAL SUBSTANCES ARE MANAGED APPROPRIATELY TO PREVENT CONTAMINATION AND REDUCE RISKS ASSOCIATED WITH HAZARDOUS WASTE.



6. TUBES FOR USED CHEMICALS IN THE LABORATORY



DESIGNATED CONTAINERS ARE PROVIDED FOR USED CHEMICALS IN THE LABORATORY TO SUPPORT SAFE, ORGANIZED, AND EFFICIENT WASTE COLLECTION.

7. HAZARDOUS AND INFECTIOUS WASTE BIN



ทั้งเข็ม ของมีคม

SEPARATE BINS ARE PROVIDED FOR HAZARDOUS AND INFECTIOUS WASTE TO ENSURE PROPER HANDLING AND DISPOSAL IN ACCORDANCE WITH SAFETY REQUIREMENTS.

8. SEPARATION OF TOXIC AND HAZARDOUS WASTE AT DESIGNATED LOCATIONS

TOXIC AND HAZARDOUS WASTE BINS ARE CLEARLY SEPARATED AT DESIGNATED LOCATIONS AND TRANSFERRED TO AN AUTHORIZED COMPANY FOR PROPER TREATMENT AND DISPOSAL IN COMPLIANCE WITH APPLICABLE LAWS AND STANDARDS.



3.17 SEWAGE DISPOSAL การจัดการน้ำเสีย

SILPAKORN UNIVERSITY HAS ESTABLISHED COMPREHENSIVE WASTEWATER MANAGEMENT AND WATER REUSE PRACTICES AT BOTH SANAM CHANDRA PALACE AND PHETCHABURI IT CAMPUSES. THE CENTRALIZED AERATED LAGOON (AL) SYSTEM HAS A TREATMENT CAPACITY OF 270 CUBIC METERS PER DAY, ENSURING THAT ALL BUILDING SEWAGE IS PROPERLY TREATED. FURTHERMORE, THE CAMPUS CANALS, WHICH SERVE AS THE FINAL RECEIVING BODIES FOR TREATED EFFLUENT, ARE ACTIVELY MAINTAINED THROUGH DREDGING, AUTOMATED AERATION SYSTEMS, AND EM APPLICATION TO ENSURE OPTIMAL WATER QUALITY (E.G., BOD < 9.40 MG/L). AT THE PHETCHABURI CAMPUS, ALMOST ALL OF THE TREATED WASTEWATER IS RECYCLED FOR LANDSCAPE IRRIGATION. TOGETHER, THESE MEASURES MINIMIZE ENVIRONMENTAL IMPACTS AND DEMONSTRATE THE UNIVERSITY'S DATA-DRIVEN COMMITMENT TO SUSTAINABLE WATER MANAGEMENT.

SANAM CHANDRA PALACE CAMPUS

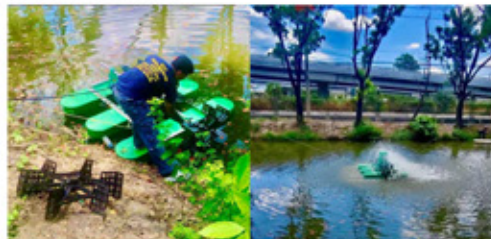
SILPAKORN UNIVERSITY HAS IMPLEMENTED A WASTEWATER MANAGEMENT SYSTEM AT SANAM CHANDRA PALACE CAMPUS TO ENSURE THAT WASTEWATER GENERATED FROM BUILDINGS AND UNIVERSITY ACTIVITIES IS PROPERLY COLLECTED, TREATED, AND MANAGED BEFORE BEING DISCHARGED OR REUSED. THE SYSTEM IS DESIGNED TO REDUCE ENVIRONMENTAL IMPACTS, PROTECT NATURAL WATER BODIES WITHIN THE CAMPUS, AND SUPPORT SUSTAINABLE WATER RESOURCE MANAGEMENT.



A SITE PLAN OF THE UNIVERSITY'S WASTEWATER TREATMENT PROJECT SHOWS THE PROJECT AREA AND ITS KEY COMPONENTS, INCLUDING WASTEWATER COLLECTION POINTS, HOLDING PONDS, TREATMENT PONDS, AND RELATED INFRASTRUCTURE. THE WASTEWATER DISPOSAL SYSTEM INCLUDES THE CONSTRUCTION AND MAINTENANCE OF SEWAGE AND DRAINAGE FACILITIES TO ENABLE WASTEWATER TO FLOW INTO DESIGNATED TREATMENT AREAS IN AN ORDERLY AND EFFICIENT MANNER.



IN ADDITION TO THE STRUCTURAL SYSTEM, THE UNIVERSITY ALSO CARRIES OUT MAINTENANCE AND REHABILITATION ACTIVITIES FOR CAMPUS WATER BODIES. THESE INCLUDE THE COLLECTION OF DREDGED WASTE REMAINING IN PONDS AND CANALS, SUCH AS LEAVES, PLASTIC WASTE, SEDIMENT RESIDUES, AND AQUATIC WEEDS, TO IMPROVE WATER FLOW AND REDUCE POLLUTION ACCUMULATION. WASTE AND WEEDS LEFT BEHIND FROM CANAL DREDGING OPERATIONS ARE REGULARLY REMOVED IN ORDER TO MAINTAIN THE CONDITION OF THE DRAINAGE SYSTEM AND PREVENT WATER QUALITY DETERIORATION.



TO IMPROVE THE EFFECTIVENESS OF WASTEWATER TREATMENT, THE UNIVERSITY HAS INSTALLED FLOATING SURFACE AERATOR SYSTEMS AT SEVERAL LOCATIONS ON CAMPUS. THESE INCLUDE:

1. IN FRONT OF THE 15-STORY CHALERM PHRAKIAT CENTRAL LECTURE BUILDING,
2. BEHIND THE SAVINGS COOPERATIVE BUILDING, AND
3. BEHIND DECORATIVE ARTS BUILDING 4.

THESE FLOATING AERATORS ARE USED TO INCREASE DISSOLVED OXYGEN LEVELS IN THE WATER, WHICH HELPS ACCELERATE THE BIOLOGICAL DECOMPOSITION OF ORGANIC MATTER AND IMPROVES THE OVERALL QUALITY OF WATER IN PONDS AND CANALS. THIS CONTRIBUTES TO REDUCING FOUL ODORS, PREVENTING STAGNANT WATER CONDITIONS, AND ENHANCING THE EFFICIENCY OF THE WASTEWATER TREATMENT PROCESS.



THE UNIVERSITY ALSO APPLIES ENVIRONMENTAL IMPROVEMENT MEASURES SUCH AS SPRAYING OR ADDING EM (EFFECTIVE MICROORGANISMS) WATER INTO CANALS OR PONDS WITHIN THE UNIVERSITY. EM HELPS PROMOTE THE BREAKDOWN OF ORGANIC WASTE, REDUCES UNPLEASANT ODORS, AND SUPPORTS THE RESTORATION OF WATER QUALITY IN THE CAMPUS AQUATIC ENVIRONMENT.

OVERALL, WASTEWATER AT SANAM CHANDRA PALACE CAMPUS IS MANAGED THROUGH A COMBINATION OF HOLDING PONDS, DRAINAGE INFRASTRUCTURE, WATER QUALITY IMPROVEMENT MEASURES, AND A CENTRALIZED WASTEWATER TREATMENT SYSTEM USING THE AERATED LAGOON (AL) PROCESS. THIS PROCESS, TOGETHER WITH FLOATING AERATION EQUIPMENT, INCREASES OXYGEN CIRCULATION IN THE TREATMENT PONDS AND ENABLES MORE COMPLETE TREATMENT OF WASTEWATER. THE TREATMENT SYSTEM IS REGULARLY MONITORED AND CONTROLLED TO ENSURE THAT THE TREATED EFFLUENT COMPLIES WITH THE STANDARDS PRESCRIBED BY THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT.

PHETCHABURI INFORMATION TECHNOLOGY CAMPUS

AT PHETCHABURI INFORMATION TECHNOLOGY CAMPUS, SILPAKORN UNIVERSITY HAS DEVELOPED A WASTEWATER COLLECTION AND TREATMENT SYSTEM TO ENSURE THAT WASTEWATER FROM CAMPUS BUILDINGS IS PROPERLY MANAGED BEFORE DISCHARGE OR REUSE. WASTEWATER DRAINAGE CHANNELS HAVE BEEN CONSTRUCTED TO COLLECT WATER FROM VARIOUS BUILDINGS AND DIRECT IT INTO THREE WASTEWATER TREATMENT PONDS.



THE TREATMENT PONDS FUNCTION AS A SEQUENTIAL TREATMENT SYSTEM, ALLOWING WASTEWATER TO PASS THROUGH EACH STAGE FOR GRADUAL IMPROVEMENT IN WATER QUALITY. THIS ARRANGEMENT HELPS REDUCE POLLUTANT LOADS, ALLOWS SEDIMENTATION AND NATURAL TREATMENT PROCESSES TO OCCUR, AND ENHANCES THE EFFECTIVENESS OF CAMPUS WASTEWATER MANAGEMENT.



IN ADDITION, A WATER PUMP HAS BEEN INSTALLED IN THE THIRD TREATMENT POND TO TRANSFER TREATED WATER FOR WATERING PLANTS AND LANDSCAPE AREAS WITHIN THE CAMPUS. THIS PRACTICE SUPPORTS WATER REUSE, REDUCES DEPENDENCE ON FRESHWATER RESOURCES, AND IMPROVES OVERALL WATER-USE EFFICIENCY.

THROUGH THESE MEASURES, THE UNIVERSITY STRENGTHENS WATER RESOURCE MANAGEMENT, REDUCES ENVIRONMENTAL IMPACTS FROM WASTEWATER DISCHARGE, AND PROMOTES SUSTAINABLE ENVIRONMENTAL PRACTICES ACROSS THE CAMPUS.

3.18 IMPACT OF WASTE MANAGEMENT PROGRAMS IN SUPPORTING THE SDGS

ผลกระทบของโครงการจัดการขยะในการสนับสนุนเป้าหมายการพัฒนาที่ยั่งยืน (SDGs)

SILPAKORN UNIVERSITY HAS IMPLEMENTED A COMPREHENSIVE AND INTEGRATED WASTE MANAGEMENT SYSTEM ACROSS ALL CAMPUSES, PARTICULARLY AT SANAM CHANDRA PALACE CAMPUS AND PHETCHABURI INFORMATION TECHNOLOGY CAMPUS, IN SUPPORT OF SUSTAINABLE DEVELOPMENT UNDER THE SUSTAINABLE DEVELOPMENT GOALS (SDGS). THE UNIVERSITY'S WASTE MANAGEMENT APPROACH COVERS SOLID WASTE, ORGANIC WASTE, INORGANIC WASTE, HAZARDOUS WASTE, LABORATORY CHEMICAL WASTE, WASTEWATER TREATMENT SYSTEMS, AND THE APPLICATION OF CIRCULAR ECONOMY PRINCIPLES. THESE EFFORTS ARE SUPPORTED BY UNIVERSITY POLICIES, INFRASTRUCTURE, DIGITAL SYSTEMS, RESEARCH AND INNOVATION, EDUCATIONAL ACTIVITIES, AND THE ACTIVE PARTICIPATION OF STUDENTS, STAFF, FACULTY MEMBERS, AND ON-CAMPUS BUSINESS OPERATORS.



THE UNIVERSITY HAS ANNOUNCED THE 2024 SUSTAINABLE SOLID WASTE MANAGEMENT POLICY AS AN INSTITUTIONAL FRAMEWORK TO ENHANCE WASTE MANAGEMENT EFFICIENCY AND ENCOURAGE PARTICIPATION FROM ALL SECTORS WITHIN THE UNIVERSITY. THE POLICY EMPHASIZES THE 3RS PRINCIPLE (REDUCE, REUSE, RECYCLE), REDUCTION OF SINGLE-USE PLASTICS, THE USE OF ENVIRONMENTALLY FRIENDLY PACKAGING, PROPER WASTE SEGREGATION BY TYPE, WASTE VOLUME DATA RECORDING, AND THE DEVELOPMENT OF MODEL PRACTICES THAT CAN BE EXPANDED TO SURROUNDING COMMUNITIES IN THE FUTURE.

KEY WASTE MANAGEMENT PROGRAMS AND PRACTICES OF THE UNIVERSITY INCLUDE:

1. ESTABLISHING A COMPREHENSIVE WASTE SEGREGATION SYSTEM THROUGHOUT THE UNIVERSITY, WITH CLEARLY DESIGNATED BINS FOR GENERAL WASTE, ORGANIC WASTE, RECYCLABLE WASTE, HAZARDOUS WASTE, INFECTIOUS WASTE, AND LABORATORY CHEMICAL WASTE.

2. PROMOTING THE 3R CONCEPT (REDUCE, REUSE, RECYCLE) THROUGH CAMPAIGNS, EDUCATIONAL ACTIVITIES, COMMUNICATION SIGNAGE, COMMUNITY ENGAGEMENT, AND DEMONSTRATIONS ON PROPER WASTE SEPARATION AND DISPOSAL.

3. REDUCING THE USE OF SINGLE-USE PLASTICS AND FOAM PACKAGING THROUGH POLICIES AND ACTIVITIES SUCH AS THE GREEN & CLEAN CAMPUS POLICY, PROMOTING REUSABLE CUPS, CLOTH BAGS, LUNCH BOXES, AND PERSONAL CONTAINERS, AS WELL AS COOPERATION WITH ON-CAMPUS VENDORS TO DISCONTINUE THE USE OF FOAM FOOD CONTAINERS.

4. OPERATING THE SU REFILL SHOP, WHICH ENCOURAGES CUSTOMERS TO BRING THEIR OWN CONTAINERS IN EXCHANGE FOR DISCOUNTS, THEREBY REDUCING PACKAGING WASTE AND PROMOTING REUSE BEHAVIOR.

DISTRIBUTING "SU REUSE" CUPS TO NEW STUDENTS TO FOSTER ENVIRONMENTALLY RESPONSIBLE HABITS FROM THE BEGINNING OF UNIVERSITY LIFE.

5. PROVIDING FREE DRINKING WATER SERVICES AND IMPLEMENTING THE CLEAN AND SAFE DRINKING WATER FILTRATION SYSTEM PROJECT TO IMPROVE ACCESS TO QUALITY DRINKING WATER AND REDUCE THE USE OF SINGLE-USE PLASTIC BOTTLES. DEVELOPING DIGITAL ADMINISTRATIVE SYSTEMS SUCH AS THE D-SARABAN SYSTEM, ONLINE LEAVE MANAGEMENT, AND ONLINE MEETING SYSTEMS TO REDUCE PAPER CONSUMPTION AND SUPPORT PAPERLESS OPERATIONS.

6. ESTABLISHING USED PAPER COLLECTION POINTS AND PAPER SORTING BOXES IN OFFICES TO SUPPORT REUSE AND RECYCLING IN DAILY ADMINISTRATIVE WORK.

7. PROMOTING REUSE IN UNIVERSITY OPERATIONS, SUCH AS RENOVATING WALKWAYS USING OLD PAVING BLOCKS AND REUSING RECOVERED MATERIALS IN MAINTENANCE AND AREA DEVELOPMENT.

ESTABLISHING CAMPUS-WIDE RECYCLING SYSTEMS, INCLUDING RECYCLING BINS LOCATED IN VARIOUS AREAS AND PLASTIC BOTTLE COLLECTION POINTS UNDER THE "EST RETURN & RECYCLE" PROJECT IN STUDENT DORMITORIES.

8. SUPPORTING INNOVATIVE RECYCLING AND UPCYCLING PROJECTS, SUCH AS PLASTIC WASTE UPCYCLING INITIATIVES LED BY FACULTY MEMBERS AND STUDENTS, AS WELL AS TRANSFORMING USED UHT CARTONS INTO GREEN BOARDS AND OTHER USEFUL PRODUCTS.

9. MANAGING ORGANIC WASTE THROUGH COMPOSTING AND SMART FERTILIZER SYSTEMS, IN WHICH FOOD WASTE, LEAVES, BRANCHES, DRY GRASS, AND YARD WASTE ARE CONVERTED INTO ORGANIC FERTILIZER THROUGH PROCESSES INCLUDING MATERIAL PREPARATION, EM SOLUTION FERMENTATION, SHREDDING AND MIXING, PILE FORMATION, COMPOST MAINTENANCE, SCREENING, AND PACKAGING.

10. DEVELOPING SMART FERTILIZER PROJECTS AND COMPOST DEMONSTRATION SITES ON EACH CAMPUS AS LEARNING CENTERS AND MODEL AREAS FOR CONVERTING BIODEGRADABLE WASTE INTO HIGH-QUALITY FERTILIZER USING IOT-BASED MONITORING TECHNOLOGY.

11. REUSING COMPOST AND ORGANIC FERTILIZER IN THE UNIVERSITY'S GREEN AREAS, REDUCING DEPENDENCE ON CHEMICAL FERTILIZERS, LOWERING COSTS, AND PROMOTING EFFICIENT CIRCULAR RESOURCE USE.

12. PROMOTING THE CONVERSION OF BIO PAPER CUPS AND FOOD WASTE INTO COMPOST OR SAFE ANIMAL FEED, REFLECTING THE PRACTICAL APPLICATION OF CIRCULAR ECONOMY PRINCIPLES.

13. CONDUCTING SURVEYS AND KNOWLEDGE EXTENSION ACTIVITIES ON HOUSEHOLD DEMAND FOR ORGANIC FERTILIZER AND SMART FERTILIZER TO EXPAND ENVIRONMENTAL LEARNING AND PRACTICAL APPLICATIONS BEYOND THE UNIVERSITY.

MANAGING INORGANIC WASTE THROUGH SEGREGATION, MATERIAL RECOVERY, CONSTRUCTION MATERIAL RECOVERY, AND CIRCULAR ECONOMY EDUCATION TO IMPROVE THE UTILIZATION OF NON-BIODEGRADABLE MATERIALS SUCH AS PLASTICS, PAPER, CARDBOARD, METALS, GLASS, AND CONSTRUCTION WASTE.

14. IMPLEMENTING SYSTEMATIC HAZARDOUS WASTE AND LABORATORY CHEMICAL MANAGEMENT, INCLUDING STORAGE, SEGREGATION, LABELING, COLLECTION, DOCUMENTATION, CONTAINERS FOR USED CHEMICALS, HAZARDOUS AND INFECTIOUS WASTE BINS, AND TRANSFER TO LICENSED COMPANIES FOR PROPER DISPOSAL.

15. OPERATING WASTEWATER TREATMENT AND WATER REUSE SYSTEMS AT BOTH CAMPUSES. AT SANAM CHANDRA PALACE CAMPUS, THE SYSTEM INCLUDES HOLDING PONDS AND A CENTRALIZED TREATMENT SYSTEM USING THE AERATED LAGOON PROCESS WITH FLOATING AERATORS. AT PHETCHABURI INFORMATION TECHNOLOGY CAMPUS, WASTEWATER IS COLLECTED THROUGH DRAINAGE CHANNELS INTO THREE TREATMENT PONDS, AND TREATED WATER IS PUMPED FOR REUSE IN WATERING PLANTS.



IN ADDITION, THE UNIVERSITY'S WASTE MANAGEMENT EFFORTS ALSO INDIRECTLY SUPPORT OTHER SDGS BY IMPROVING ORGANIZATIONAL EFFICIENCY, PROMOTING RESPONSIBLE BEHAVIOR, REDUCING OPERATIONAL COSTS, ENCOURAGING INNOVATION, AND CREATING OPPORTUNITIES FOR COLLABORATIVE LEARNING WITH COMMUNITIES.

IN CONCLUSION, SILPAKORN UNIVERSITY'S WASTE MANAGEMENT PROGRAMS AND MEASURES REFLECT A CONCRETE CONTRIBUTION TO ADVANCING THE SDGS THROUGH POLICY DEVELOPMENT, BEHAVIORAL CHANGE, INFRASTRUCTURE IMPROVEMENT, EFFICIENT RESOURCE USE, ENVIRONMENTAL EDUCATION, AND PARTICIPATION FROM ALL SECTORS. THESE INTEGRATED EFFORTS NOT ONLY ENHANCE THE UNIVERSITY'S INTERNAL WASTE MANAGEMENT PERFORMANCE BUT ALSO STRENGTHEN LONG-TERM SUSTAINABILITY, ENVIRONMENTAL RESPONSIBILITY, AND THE APPLICATION OF CIRCULAR ECONOMY PRINCIPLES AT BOTH INSTITUTIONAL AND COMMUNITY LEVELS.

SUSTAINABLE DEVELOPMENT GOALS



THESE EFFORTS CLEARLY SUPPORT 10 SDGS, PARTICULARLY IN THE FOLLOWING AREAS:

SDG 3 – GOOD HEALTH AND WELL-BEING

THE UNIVERSITY HELPS REDUCE HEALTH RISKS FROM IMPROPER WASTE MANAGEMENT THROUGH PROPER WASTE SEGREGATION, SAFE HAZARDOUS WASTE DISPOSAL, SYSTEMATIC MANAGEMENT OF INFECTIOUS WASTE AND CHEMICALS, REDUCTION OF OPEN BURNING, PROVISION OF CLEAN DRINKING WATER, AND IMPROVED CAMPUS HYGIENE.

SDG 4 – QUALITY EDUCATION

COMPOST DEMONSTRATION SITES, WASTE SEGREGATION CAMPAIGNS, 3R ACTIVITIES, UPCYCLING WORKSHOPS, CIRCULAR ECONOMY EDUCATION, AND STUDENT PARTICIPATION IN ENVIRONMENTAL PROJECTS HELP BUILD KNOWLEDGE, SKILLS, AND ENVIRONMENTAL AWARENESS AMONG STUDENTS AND STAFF.

SDG 6 – CLEAN WATER AND SANITATION

PROPER COLLECTION, TREATMENT, AND REUSE OF WASTEWATER HELP PREVENT WATER CONTAMINATION AND IMPROVE WATER RESOURCE MANAGEMENT. AT THE SAME TIME, PROPER WASTE AND CHEMICAL MANAGEMENT HELPS REDUCE RISKS OF WATER POLLUTION.

SDG 9 – INDUSTRY, INNOVATION AND INFRASTRUCTURE

THE SMART FERTILIZER PROJECT, IOT-BASED COMPOST MONITORING SYSTEMS, DIGITAL ADMINISTRATIVE SYSTEMS, DRINKING WATER FILTRATION SYSTEMS, AND UPCYCLING RESEARCH ARE EXAMPLES OF INVESTMENT IN INFRASTRUCTURE AND INNOVATION FOR SUSTAINABLE WASTE MANAGEMENT AND RESOURCE USE.

SDG 11 – SUSTAINABLE CITIES AND COMMUNITIES

THE UNIVERSITY PROMOTES A CLEAN, SAFE, AND ENVIRONMENTALLY FRIENDLY LEARNING ENVIRONMENT THROUGH INTEGRATED WASTE MANAGEMENT SYSTEMS, ENVIRONMENTALLY FRIENDLY MATERIAL CHOICES, INFRASTRUCTURE IMPROVEMENTS, AND THE DEVELOPMENT OF MODEL PRACTICES THAT CAN BE EXTENDED TO COMMUNITIES.

SDG 12 – RESPONSIBLE CONSUMPTION AND PRODUCTION

THIS IS ONE OF THE UNIVERSITY'S STRONGEST AREAS OF CONTRIBUTION. THE UNIVERSITY SUPPORTS WASTE REDUCTION AT THE SOURCE, MATERIAL REUSE, RECYCLING, COMPOSTING, ENVIRONMENTALLY FRIENDLY PACKAGING, REFILL SYSTEMS, PAPERLESS ADMINISTRATION, AND CIRCULAR USE OF BOTH ORGANIC AND INORGANIC RESOURCES.

SDG 13 – CLIMATE ACTION

COMPOSTING ORGANIC WASTE INSTEAD OF BURNING IT HELPS REDUCE GREENHOUSE GAS EMISSIONS, SMOKE, AND PM2.5 DUST. IN ADDITION, REDUCING SINGLE-USE PLASTICS, PROMOTING REUSE, AND RECYCLING HELP LOWER CARBON EMISSIONS ASSOCIATED WITH PRODUCTION AND WASTE DISPOSAL PROCESSES.

SDG 14 – LIFE BELOW WATER

PROPER SEGREGATION AND MANAGEMENT OF SOLID WASTE, HAZARDOUS WASTE, AND WASTEWATER REDUCE THE RISK OF LAND-BASED POLLUTION ENTERING DRAINAGE SYSTEMS AND NATURAL WATER BODIES, THEREBY HELPING TO PREVENT WATER POLLUTION.

SDG 15 – LIFE ON LAND

SUSTAINABLE ORGANIC WASTE MANAGEMENT, REDUCTION OF OPEN BURNING, PROPER DISPOSAL OF HAZARDOUS WASTE, AND REUSE OF ORGANIC FERTILIZER IN GREEN AREAS HELP PRESERVE SOIL QUALITY, BIODIVERSITY, AND TERRESTRIAL ECOSYSTEMS WITHIN AND AROUND THE UNIVERSITY.

SDG 17 – PARTNERSHIPS FOR THE GOALS

MANY INITIATIVES RELY ON COLLABORATION AMONG ADMINISTRATORS, FACULTY MEMBERS, STUDENTS, STAFF, ON-CAMPUS OPERATORS, LICENSED WASTE DISPOSAL COMPANIES, AND EXTERNAL PARTNERS. THESE PARTNERSHIPS STRENGTHEN IMPLEMENTATION CAPACITY AND SUPPORT WIDER EXPANSION TO SOCIETY.

4

UI GREEN METRIC SUSTAINABILITY REPORT 2026

SILPAKORN UNIVERSITY

SANAM CHANDRA PALACE | PHETCHABURI INFORMATION TECHNOLOGY

WR WATER





4.1 TOTAL AREA ON CAMPUS FOR WATER AB- SORPTION BESIDES THE FOREST AND PLANTED VEGETATION

พื้นที่รวมภายในวิทยาเขตที่ใช้สำหรับการดูดซับน้ำ
นอกเหนือจากพื้นที่ป่าไม้และพื้นที่พืชพรรณที่
ปลูก

THEREFORE, THE PORTION OF THE CAMPUS COVERED BY
WATER ABSORPTION AREA, EXCLUDING FOREST AND PLANTED
VEGETATION, ACCOUNTS FOR 15.19%, CALCULATED AS FOL-
LOWS: $(259,320 / 1,707,582) \times 100$.

TOTAL WATER ABSORPTION AREA (EXCLUDING FOREST AND
PLANTED VEGETATION): 259,320 M²

TOTAL AREA: 1,707,582 M²
PERCENTAGE AREA: 15.19%

IT REPRESENTS THE AREA WITHIN THE UNIVERSITY THAT
DIRECTLY CONTRIBUTES TO RAINWATER INFILTRATION, TEM-
PORARY WATER RETENTION, AND THE REDUCTION OF SURFACE
RUNOFF, EXCLUDING FOREST AREAS AND PLANTED VEGETA-
TION. THESE AREAS PLAY AN IMPORTANT ROLE IN THE UNI-
VERSITY'S SUSTAINABLE LAND AND WATER MANAGEMENT AP-
PROACH, AS THEY HELP REDUCE THE BURDEN ON THE DRAIN-
AGE SYSTEM, MITIGATE LOCALIZED FLOODING, AND MAINTAIN
THE NATURAL WATER BALANCE WITHIN THE CAMPUS.

THE UNIVERSITY HAS INTENTIONALLY MAINTAINED AND DEVELOPED
SEVERAL TYPES OF NON-VEGETATED OR SEMI-NATURAL SPACES THAT
SUPPORT WATER ABSORPTION AND HYDROLOGICAL FUNCTIONS. THESE
INCLUDE THE FOLLOWING:

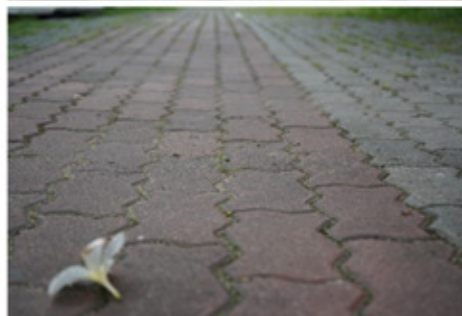
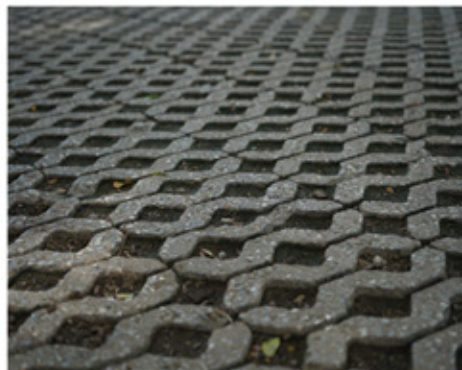
1. LAWN AREAS

LAWN AREAS PROVIDE OPEN GROUND SURFACES THAT ALLOW RAIN-
WATER TO SEEP NATURALLY INTO THE SOIL. COMPARED WITH HARD SUR-
FACES SUCH AS CONCRETE OR ASPHALT, LAWN SURFACES SLOW DOWN
RUNOFF AND INCREASE INFILTRATION CAPACITY. THESE AREAS ALSO
HELP REDUCE SOIL EROSION AND SUPPORT GROUNDWATER RECHARGE.



2. PERMEABLE PAVED AREAS

PERMEABLE PAVING IS DESIGNED TO ALLOW WATER TO PASS
THROUGH GAPS OR POROUS MATERIALS INTO THE UNDERLYING SOIL.
THIS REDUCES THE AMOUNT OF STORMWATER FLOWING ACROSS THE
SURFACE AND LOWERS THE RISK OF WATER ACCUMULATION DURING
HEAVY RAINFALL.



SUCH SURFACES ARE ESPECIALLY USEFUL IN CIRCULATION AREAS
WHERE FUNCTIONALITY IS REQUIRED WHILE STILL MAINTAINING ENVI-
RONMENTAL PERFORMANCE.

3. NATURAL WATER BODIES AND PONDS WITHIN THE UNIVERSITY

PONDS AND OTHER NATURAL OR SEMI-NATURAL WATER BODIES
SERVE AS IMPORTANT COMPONENTS OF CAMPUS WATER MANAGEMENT.
THEY HELP DELAY THE MOVEMENT OF RUNOFF, STORE EXCESS RAINWA-
TER TEMPORARILY, AND PROMOTE WATER ABSORPTION IN ADJACENT
AREAS.



IN ADDITION, THESE WATER BODIES CAN REDUCE PEAK DISCHARGE
DURING STORMS AND CONTRIBUTE TO A MORE BALANCED CAMPUS HY-
DROLOGICAL SYSTEM.

4. POND AERATORS

AERATORS INSTALLED IN CAMPUS PONDS ENHANCE WATER QUALITY
BY INCREASING DISSOLVED OXYGEN LEVELS AND IMPROVING CIRCULA-
TION WITHIN THE WATER BODY.



WHILE AERATORS DO NOT DIRECTLY INCREASE INFILTRATION AREA, THEY
SUPPORT THE EFFECTIVE MANAGEMENT AND ECOLOGICAL HEALTH OF RE-
TENTION PONDS, ENABLING THESE WATER BODIES TO FUNCTION MORE
EFFICIENTLY AS PART OF THE CAMPUS STORMWATER MANAGEMENT
SYSTEM.

4.2 WATER CONSERVATION PROGRAM & IMPLEMENTATIONS

โครงการอนุรักษ์น้ำและนโยบายในการจัดการน้ำ

THE UNIVERSITY'S WATER MANAGEMENT AND CONSERVATION OPERATIONS REFLECT A COMPREHENSIVE AND SYSTEMATIC APPROACH TO THE SUSTAINABLE USE OF WATER RESOURCES. THROUGH DRAINAGE IMPROVEMENT, WATER QUALITY ENHANCEMENT, WASTEWATER TREATMENT, WATER-SAVING MEASURES, WATER REUSE, AND ECOSYSTEM CONSERVATION POLICIES, THE UNIVERSITY DEMONSTRATES ITS STRONG COMMITMENT TO ENVIRONMENTAL RESPONSIBILITY AND LONG-TERM SUSTAINABILITY. THESE INITIATIVES NOT ONLY IMPROVE THE EFFICIENCY OF WATER MANAGEMENT ON CAMPUS BUT ALSO CONTRIBUTE TO BUILDING AWARENESS AND FOSTERING SUSTAINABLE PRACTICES AMONG THE UNIVERSITY COMMUNITY.

THE UNIVERSITY HAS IMPLEMENTED COMPREHENSIVE WATER MANAGEMENT MEASURES, INCLUDING DRAINAGE IMPROVEMENT, WATER QUALITY RESTORATION, WASTEWATER TREATMENT, WATER-SAVING DEVICES, AND WATER REUSE TO ENHANCE EFFICIENCY AND SUSTAINABILITY. THESE EFFORTS REFLECT THE UNIVERSITY'S COMMITMENT TO CONSERVING WATER RESOURCES, REDUCING ENVIRONMENTAL IMPACTS, AND PROMOTING SUSTAINABLE PRACTICES ACROSS THE CAMPUS. THE UNIVERSITY'S WATER CONSERVATION PROJECTS ARE AS FOLLOWS:

1. CANAL DREDGING TO IMPROVE DRAINAGE EFFICIENCY

THE UNIVERSITY HAS CARRIED OUT CANAL DREDGING WITHIN ITS PREMISES TO IMPROVE DRAINAGE EFFICIENCY AND OVERALL WATER MANAGEMENT. THIS ACTIVITY HELPS REMOVE SEDIMENT, BLOCKAGES, AND ACCUMULATED WASTE FROM WATERWAYS, ALLOWING WATER TO FLOW MORE EFFECTIVELY AND REDUCING THE RISK OF WATERLOGGING DURING PERIODS OF HEAVY RAINFALL, COVERING A TOTAL DISTANCE OF 3.5 KILOMETERS.



2. APPLICATION OF EFFECTIVE MICROORGANISMS (EM) TO IMPROVE WATER QUALITY

THE UNIVERSITY HAS APPLIED EFFECTIVE MICROORGANISMS (EM) TO IMPROVE WATER QUALITY, REDUCE UNPLEASANT ODORS, ENHANCE WATER CIRCULATION, AND INCREASE DRAINAGE EFFICIENCY. THIS ENVIRONMENTALLY FRIENDLY APPROACH CONTRIBUTES TO THE RESTORATION AND MAINTENANCE OF HEALTHIER WATER BODIES WITHIN THE UNIVERSITY.



3. REMOVAL OF GREASE AND SEWAGE WASTE FROM CANTEENS

THE REMOVAL OF GREASE AND SEWAGE WASTE FROM UNIVERSITY CANTEENS HAS BEEN UNDERTAKEN TO IMPROVE WASTEWATER MANAGEMENT EFFICIENCY. PROPER HANDLING OF GREASE AND WASTE HELPS REDUCE BLOCKAGES IN DRAINAGE SYSTEMS, LESSENS THE BURDEN ON WASTEWATER TREATMENT FACILITIES, AND MINIMIZES ENVIRONMENTAL IMPACTS CAUSED BY FOOD SERVICE OPERATIONS.



4. INSTALLATION OF WATER-SAVING SANITARY WARE AND WATER-USE EQUIPMENT

THE UNIVERSITY HAS INSTALLED WATER-SAVING SANITARY WARE AND EFFICIENT WATER-USE EQUIPMENT IN OVER 80% OF ITS BUILDINGS. THIS INITIATIVE SIGNIFICANTLY IMPROVES WATER-USE EFFICIENCY, HELPS REDUCE TAP WATER CONSUMPTION IN DAILY OPERATIONS, AND STRONGLY SUPPORTS OUR OVERALL WATER CONSERVATION GOALS



5. PROMOTION OF WASTEWATER TREATMENT ACTIVITIES USING ALTERNATIVE ENERGY

THE UNIVERSITY HAS PUBLICIZED ACTIVITIES RELATED TO WASTEWATER TREATMENT USING ALTERNATIVE ENERGY IN ORDER TO PROMOTE ENVIRONMENTAL KNOWLEDGE AND SUSTAINABLE DEVELOPMENT AMONG PERSONNEL. THESE ACTIVITIES HELP RAISE AWARENESS OF PROPER WASTEWATER MANAGEMENT AND ENCOURAGE THE ADOPTION OF ENVIRONMENTALLY RESPONSIBLE PRACTICES.



การประชาสัมพันธ์กิจกรรม "มาร่วมมือกันบำบัดน้ำเสียจากมหาวิทยาลัย ด้วยพลังงานแสง Low carbon society" มีจุดประสงค์เพื่อส่งเสริมความรู้และสร้างความเข้าใจเกี่ยวกับพลังงานสะอาด และ SEE ด้านสิ่งแวดล้อมภายใน 2567

6. REUSE OF WATER TO REDUCE TAP WATER CONSUMPTION

THE UNIVERSITY HAS IMPLEMENTED WATER REUSE PRACTICES TO REDUCE TAP WATER CONSUMPTION. TREATED OR REUSED WATER IS UTILIZED FOR APPROPRIATE NON-POTABLE PURPOSES, CONTRIBUTING TO MORE EFFICIENT WATER RESOURCE MANAGEMENT AND SUPPORTING SUSTAINABILITY EFFORTS ON CAMPUS.



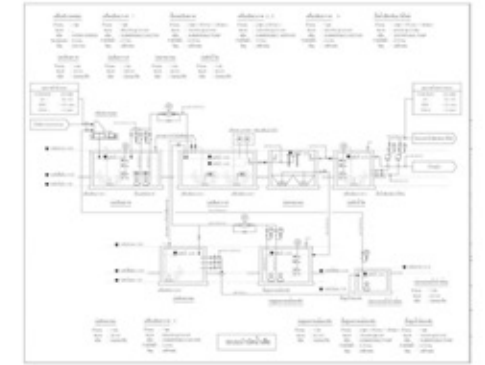
7. PROVISION OF CLEAN DRINKING WATER REFILL STATIONS

CLEAN DRINKING WATER REFILL STATIONS SUPPLIED BY TREATED WATER SYSTEMS HAVE BEEN PROVIDED TO ENSURE SAFE ACCESS TO DRINKING WATER FOR STUDENTS, STAFF, AND VISITORS. THIS INITIATIVE ALSO HELPS REDUCE THE CONSUMPTION OF SINGLE-USE PLASTIC BOTTLES AND PROMOTES ENVIRONMENTALLY FRIENDLY BEHAVIOR.



8. DEVELOPMENT PLAN FOR NEWLY CONSTRUCTED WATER TREATMENT SYSTEMS

THE UNIVERSITY HAS ESTABLISHED PLANS FOR THE DEVELOPMENT OF NEWLY CONSTRUCTED WATER TREATMENT SYSTEMS TO STRENGTHEN ITS WATER MANAGEMENT INFRASTRUCTURE. THESE PLANS ARE INTENDED TO IMPROVE THE UNIVERSITY'S CAPACITY FOR WATER TREATMENT AND WASTEWATER MANAGEMENT IN THE LONG TERM.



9. USE OF REUSED WATER FOR LAWN IRRIGATION AND GREEN SPACES

THE UNIVERSITY HAS CONSTRUCTED A NEW WATER TREATMENT FACILITY WITH A CAPACITY OF 270 CUBIC METERS PER DAY (CMD) TO STRENGTHEN ITS WATER MANAGEMENT INFRASTRUCTURE. THIS FACILITY IS INTENDED TO SIGNIFICANTLY IMPROVE THE UNIVERSITY'S CAPACITY FOR WATER TREATMENT AND LONG-TERM WASTEWATER MANAGEMENT.



10. USE OF WATER PUMPING SYSTEMS FROM STORAGE RESERVOIRS

WATER PUMPING SYSTEMS ARE USED TO DRAW WATER FROM STORAGE RESERVOIRS FOR MAINTAINING GREEN AREAS. THIS PRACTICE HELPS REDUCE RELIANCE ON TAP WATER AND ALLOWS THE UNIVERSITY TO MANAGE AVAILABLE WATER RESOURCES MORE EFFICIENTLY FOR LANDSCAPE CARE AND IRRIGATION PURPOSES.



11. REUSE OF WASTEWATER IN IRRIGATION SYSTEMS

WASTEWATER THAT HAS BEEN PROPERLY TREATED IS REUSED IN IRRIGATION SYSTEMS FOR WATERING PLANTS. THIS MEASURE SUPPORTS WATER CONSERVATION, REDUCES FRESHWATER DEMAND, AND DEMONSTRATES THE UNIVERSITY'S COMMITMENT TO CIRCULAR WATER USE AND SUSTAINABLE RESOURCE MANAGEMENT.



12. POLICY ON THE CONSERVATION AND UTILIZATION OF AQUATIC ECOSYSTEM DIVERSITY

THE UNIVERSITY HAS ANNOUNCED A POLICY ON THE CONSERVATION AND UTILIZATION OF AQUATIC ECOSYSTEM DIVERSITY. THIS POLICY SERVES AS A FRAMEWORK FOR PROTECTING WATER-RELATED ECOSYSTEMS, PROMOTING BIODIVERSITY, AND ENSURING THE BALANCED AND SUSTAINABLE USE OF AQUATIC RESOURCES WITHIN THE UNIVERSITY.

4.3 WATER RECYCLING PROGRAM IMPLEMENTATION

โครงการนำน้ำเสียกลับมาใช้ใหม่

WATER RESOURCES CONSTITUTE CRITICAL COMPONENTS OF ENVIRONMENTAL SUSTAINABILITY, NECESSITATING STRATEGIC MANAGEMENT TO MITIGATE ECOLOGICAL IMPACTS. TO THIS END, THE WATER RECYCLING PROGRAM WAS ESTABLISHED WITH THE PRIMARY OBJECTIVE OF RECLAIMING WASTEWATER AND GREYWATER GENERATED FROM INSTITUTIONAL FACILITIES AND OPERATIONAL ACTIVITIES. THIS EFFLUENT IS TREATED AND CONVERTED INTO CLEAN, SAFE "RECYCLED WATER" DESIGNATED FOR NON-POTABLE APPLICATIONS.

THIS INITIATIVE SUBSTANTIALLY CURTAILS THE EXTRACTION OF FRESHWATER AND MUNICIPAL TAP WATER WHILE MINIMIZING THE VOLUME OF WASTEWATER DISCHARGED INTO PUBLIC WATER BODIES, THEREBY DIRECTLY SUPPORTING THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGS)—SPECIFICALLY SDG 6: CLEAN WATER AND SANITATION. TO OPERATIONALIZE THIS STRATEGY AND ENSURE THE OPTIMAL, SAFE UTILIZATION OF RECLAIMED WATER, THE PROGRAM IS STRUCTURED AROUND FIVE KEY INITIATIVES IMPLEMENTED ACROSS INSTITUTIONAL FACILITIES:

1. CENTRALIZED WASTEWATER TREATMENT AND ADVANCED FILTRATION

THE INSTITUTION UTILIZES CENTRALIZED WASTEWATER TREATMENT FACILITIES EMPLOYING BIOLOGICAL TREATMENT SYSTEMS AND ADVANCED FILTRATION, INTEGRATED WITH CHLORINE OR ULTRAVIOLET (UV) DISINFECTION. THIS RIGOROUS PROCESS ELIMINATES PATHOGENS AND FILTERS OUT SUSPENDED SOLIDS, ENSURING THAT THE RECLAIMED WATER STRICTLY COMPLIES WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND PUBLIC HEALTH STANDARDS PRIOR TO DISTRIBUTION THROUGH THE DEDICATED RECYCLING NETWORK.

2. RECLAIMED WATER FOR LANDSCAPE IRRIGATION

RECOGNIZING THAT LANDSCAPING AND CAMPUS GREENING REQUIRE SUBSTANTIAL DAILY WATER VOLUMES, TREATED WASTEWATER IS SYSTEMATICALLY RECIRCULATED INTO THE IRRIGATION INFRASTRUCTURE. THE UTILIZATION OF AUTOMATED SPRINKLER AND DRIP IRRIGATION SYSTEMS FOR LAWNS, GARDENS, AND ARBORICULTURE HAS REDUCED THE RELIANCE ON MUNICIPAL TAP WATER FOR LANDSCAPE MAINTENANCE TO NEAR-ZERO LEVELS.

3. INFRASTRUCTURE MAINTENANCE AND HARDSCAPE SANITATION
 RECLAIMED WATER IS ALLOCATED FOR EXTERIOR MAINTENANCE AND SANITATION ACTIVITIES. THESE INCLUDE HIGH-PRESSURE WASHING OF ROADWAYS, PEDESTRIAN WALKWAYS, PARKING FACILITIES, AND SOLAR PHOTOVOLTAIC ARRAYS, AS WELL AS THE CLEANING OF ORGANIZATIONAL FLEET VEHICLES. THIS STRATEGY PREVENTS THE DEPLETION OF POTABLE WATER RESOURCES FOR NON-POTABLE SANITATION REQUIREMENTS, YIELDING SIGNIFICANT UTILITY COST SAVINGS.

4. DUAL-PIPING SYSTEMS FOR SANITARY FLUSHING

THE INSTITUTION HAS ENGINEERED AND INSTALLED DEDICATED DUAL-PIPING INFRASTRUCTURE WITHIN ITS FACILITIES. THIS SYSTEM ISOLATES AND DISTRIBUTES DISINFECTED RECLAIMED WATER EXCLUSIVELY FOR FLUSHING TOILETS AND URINALS IN RESTROOM FACILITIES. BY SUBSTITUTING POTABLE WATER IN ONE OF THE MOST WATER-INTENSIVE OPERATIONAL DOMAINS, THE INSTITUTION DRAMATICALLY OPTIMIZES DAILY WATER EFFICIENCY.

5. RIGOROUS WATER QUALITY MONITORING AND QUALITY ASSURANCE

TO GUARANTEE THE SAFETY OF FACILITY OPERATORS, PERSONNEL, AND VISITORS, A STRICT WATER QUALITY ASSURANCE PROTOCOL IS MAINTAINED. REGULAR SAMPLING AND LABORATORY ANALYSES ARE CONDUCTED TO MONITOR CRITICAL PARAMETERS, INCLUDING PH LEVELS, TOTAL SUSPENDED SOLIDS (TSS), AND MICROBIOLOGICAL COUNTS. THIS CONTINUOUS OVERSIGHT ENSURES THAT THE RECLAIMED WATER REMAINS SAFE, COMPLETELY ODORLESS, AND ECOLOGICALLY BENIGN.



CONCLUSION AND LONG-TERM IMPACTS

THE IMPLEMENTATION OF THE WATER RECYCLING PROGRAM SERVES AS A CONCRETE OPERATIONALIZATION OF CIRCULAR ECONOMY PRINCIPLES WITHIN INSTITUTIONAL WATER RESOURCE MANAGEMENT. BY SIGNIFICANTLY REDUCING MUNICIPAL WATER RELIANCE AND GENERATING LONG-TERM UTILITY SAVINGS, THE PROGRAM ESTABLISHES A REPLICABLE MODEL FOR SUSTAINABLE, ECO-FRIENDLY INFRASTRUCTURE. FURTHERMORE, IT MITIGATES REGIONAL DROUGHT VULNERABILITY AND ALLEVIATES THE BURDEN ON MUNICIPAL WASTEWATER TREATMENT FACILITIES, FOSTERING BROADER COMMUNITY RESILIENCE.

4.4 WATER-EFFICIENT APPLIANCES USAGE

การใช้อุปกรณ์ประหยัดน้ำ



THE UNIVERSITY HAS INSTALLED WATER-EFFICIENT APPLIANCES IN VARIOUS AREAS ACROSS ITS CAMPUSES, WITH AN AVERAGE PROPORTION OF 81.20% WATER-EFFICIENT DEVICES. THIS REFLECTS THE UNIVERSITY'S COMMITMENT TO REDUCING TAP WATER CONSUMPTION WHILE PROMOTING EFFICIENT AND SUSTAINABLE WATER USE UNDER THE WATER RECYCLING PROGRAM IMPLEMENTATION.

THE UNIVERSITY HAS IMPLEMENTED VARIOUS MEASURES TO REDUCE TREATED WATER CONSUMPTION AND PROMOTE EFFICIENT WATER USE ACROSS CAMPUS. THESE EFFORTS INCLUDE WATER-EFFICIENT FIXTURES, FREE DRINKING WATER STATIONS, EFFICIENT IRRIGATION SYSTEMS, AND THE REUSE OF TREATED WASTEWATER.

1. WATER-EFFICIENT FIXTURES IN BUILDINGS



THE UNIVERSITY HAS INSTALLED WATER-EFFICIENT FIXTURES IN BUILDINGS, INCLUDING AUTOMATIC FAUCETS, AUTOMATIC ON/OFF FAUCETS, WATER-EFFICIENT URINALS, WATER-EFFICIENT BIDET SPRAYERS, AND WATER-SAVING FLUSH BUTTONS. THESE FACILITIES HELP REDUCE TREATED WATER CONSUMPTION BY IMPROVING WATER USE EFFICIENCY AND MINIMIZING UNNECESSARY WATER FLOW.

2. FREE DRINKING WATER STATIONS

THE UNIVERSITY PROVIDES FREE DRINKING WATER THROUGH THE INSTALLATION OF DRINKING WATER FILTRATION UNITS EQUIPPED WITH FILTER SYSTEMS. THIS INITIATIVE SUPPORTS ACCESS TO CLEAN DRINKING WATER WHILE PROMOTING THE EFFICIENT USE OF TREATED WATER ON CAMPUS.

3. WATER-EFFICIENT IRRIGATION SYSTEM

A WATER-EFFICIENT SPRINKLER SYSTEM HAS BEEN INSTALLED FOR LANDSCAPE IRRIGATION TO REDUCE UNNECESSARY WATER USE AND IMPROVE IRRIGATION EFFICIENCY, HELPING TO LOWER TREATED WATER CONSUMPTION.

4. REUSE OF TREATED WASTEWATER



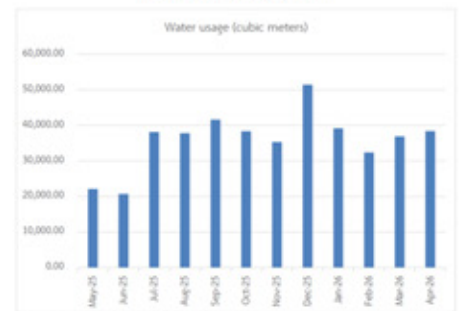
TREATED WASTEWATER IS REUSED IN THE IRRIGATION SYSTEM FOR WATERING PLANTS. THIS PRACTICE REDUCES THE DEMAND FOR TREATED FRESHWATER AND SUPPORTS SUSTAINABLE WATER CONSUMPTION.

4.5 CONSUMPTION OF TREATED WATER

การนำน้ำที่ผ่านการบำบัดแล้วนำกลับมาใช้ใหม่

THE TOTAL WATER USAGE OF SILPAKORN UNIVERSITY, SANAM CHANDRA PALACE CAMPUS, IN THE PREVIOUS YEAR WAS 432,124.00 CUBIC METERS, AND PHETCHABURI INFORMATION TECHNOLOGY CAMPUS WAS 167,748.00 CUBIC METERS. THEREFORE, THE TOTAL WATER USAGE WAS 599,872.00 CUBIC METERS.

Water Usage (Sanam Chandra Palace Campus)



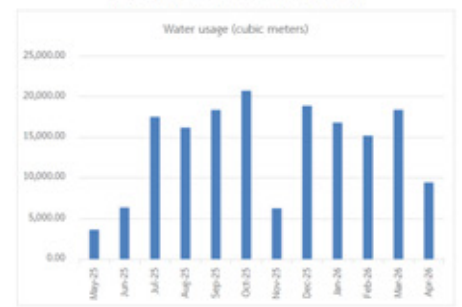
SANAM CHANDRA PALACE CAMPUS

TOTAL ANNUAL CONSUMPTION: THE TOTAL WATER USAGE OVER THE ENTIRE 12-MONTH PERIOD IS 432,124.00 CUBIC METERS.

PEAK CONSUMPTION: THE HIGHEST MONTHLY CONSUMPTION WAS RECORDED IN DECEMBER 2025 WITH 51,399.00 CUBIC METERS.

LOW CONSUMPTION: THE LOWEST CONSUMPTION OCCURRED IN JUNE 2025 WITH 20,683.00 CUBIC METERS.

Water Usage (Phetchaburi Information Technology Campus)



PHETCHABURI INFORMATION TECHNOLOGY CAMPUS

TOTAL ANNUAL CONSUMPTION: THE TOTAL WATER USAGE OVER THE ENTIRE 12-MONTH PERIOD IS 167,748.00 CUBIC METERS.

PEAK CONSUMPTION: THE HIGHEST MONTHLY CONSUMPTION WAS RECORDED IN OCTOBER 2025 WITH 20,731.00 CUBIC METERS.

LOW CONSUMPTION: THE LOWEST CONSUMPTION OCCURRED IN MAY 2025 WITH 3,645.00 CUBIC METERS.

SUMMARY

SILPAKORN UNIVERSITY IMPLEMENTS A WATER RECYCLING PROGRAM UNDER THE CIRCULAR ECONOMY CONCEPT TO SUSTAINABLY MANAGE ITS WATER RESOURCES, ADDRESSING A COMBINED ANNUAL WATER CONSUMPTION OF 599,872.00 CUBIC METERS ACROSS BOTH CAMPUSES (SANAM CHANDRA PALACE AND PHETCHABURI INFORMATION TECHNOLOGY). UNDER THIS PROGRAM, OVER 50% OF TREATED AND DISINFECTED WASTEWATER IS RECYCLED FOR TOILET FLUSHING AND GENERAL CLEANING, WHILE NEARLY 100% OF MUNICIPAL TAP WATER USED IN LANDSCAPE IRRIGATION VIA SPRINKLER SYSTEMS IS REPLACED WITH RECYCLED WATER. THIS INITIATIVE NOT ONLY EFFECTIVELY REDUCES UTILITY COSTS AND MITIGATES PEAK WATER DEMANDS DURING ACTIVE SEMESTERS AND DRY SEASONS, BUT ALSO MINIMIZES WASTEWATER DISCHARGE INTO SURROUNDING COMMUNITIES, TANGIBLY DRIVING THE UNIVERSITY TOWARDS THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGS).

THE DATA ILLUSTRATES THE UNIVERSITY'S WATER CONSUMPTION THROUGHOUT THE YEAR, SHOWING FLUCTUATIONS IN WATER USAGE OVER DIFFERENT PERIODS. SANAM CHANDRA PALACE CAMPUS RECORDED ITS HIGHEST MONTHLY WATER CONSUMPTION IN DECEMBER 2025 WITH 51,399.00 CUBIC METERS, WHICH MAY BE ATTRIBUTED TO DRY SEASON CONDITIONS THAT INCREASED THE DEMAND FOR LANDSCAPE IRRIGATION, ALONGSIDE YEAR-END UNIVERSITY EVENTS. ON THE OTHER HAND, PHETCHABURI INFORMATION TECHNOLOGY CAMPUS RECORDED ITS PEAK CONSUMPTION IN OCTOBER 2025 WITH 20,731.00 CUBIC METERS, COINCIDING WITH PEAK ACADEMIC ACTIVITIES AND FULL STUDENT OCCUPANCY.

IN ADDITION, A CONSISTENTLY HIGH LEVEL OF WATER CONSUMPTION WAS OBSERVED DURING THE PERIOD FROM JULY TO OCTOBER 2025 AT BOTH CAMPUSES (RANGING FROM 37,821.00 TO 41,606.00 CUBIC METERS AT SANAM CHANDRA, AND 16,178.00 TO 20,731.00 CUBIC METERS AT PHETCHABURI). THIS TREND REFLECTS PERIODS OF INTENSIVE ACADEMIC ACTIVITIES, LABORATORY USAGE, AND EXTENSIVE OPERATIONS OF CAMPUS FACILITIES.

IN CONTRAST, JUNE 2025 AT SANAM CHANDRA PALACE CAMPUS (20,683.00 CUBIC METERS) AND MAY 2025 AT PHETCHABURI CAMPUS (3,645.00 CUBIC METERS) RECORDED RELATIVELY LOWER WATER CONSUMPTION COMPARED TO OTHER MONTHS. THIS REDUCTION CORRESPONDS TO ACADEMIC BREAKS OR SEMESTER RECESSES DURING WHICH CAMPUS BUILDINGS AND STUDENT DORMITORIES WERE UTILIZED LESS FREQUENTLY.

OVERALL, THE DATA INDICATE THAT THE UNIVERSITY'S WATER CONSUMPTION IS CLOSELY RELATED TO SEASONAL VARIATIONS, ACADEMIC CALENDARS, AND THE LEVEL OF CAMPUS ACTIVITIES. THESE FINDINGS CAN BE USED TO SUPPORT SUSTAINABLE WATER CONSERVATION PLANNING, OPTIMIZE THE DISTRIBUTION OF THE WATER RECYCLING PROGRAM (ESPECIALLY TARGETING RECYCLED WATER FOR LANDSCAPE IRRIGATION AND TOILET FLUSHING DURING HIGH-DEMAND MONTHS), AND IMPROVE THE EFFICIENCY OF WATER RESOURCE MANAGEMENT IN THE FUTURE.

4.6 WATER POLLUTION CONTROL IN CAMPUS AREA

การควบคุมมลพิษทางน้ำภายในวิทยาเขต



THE "WATER POLLUTION CONTROL IN CAMPUS AREA" INITIATIVE REPRESENTS A CONCRETE APPLICATION OF THE CIRCULAR ECONOMY CONCEPT TO CAMPUS WATER RESOURCE MANAGEMENT. BY SEAMLESSLY INTEGRATING "SOURCE PREVENTION" (CAFETERIA GREASE TRAPPING AND LABORATORY CHEMICAL CONTAINMENT), "IN-PROCESS TREATMENT & REHABILITATION" (BIOLOGICAL TREATMENT, ADVANCED FILTRATION, AND WATER AERATION), AND "END-OF-PIPE REUSE" (RECYCLING WATER FOR LANDSCAPING AND TOILET FLUSHING), THE UNIVERSITY HAS SUCCESSFULLY CREATED A CLOSED-LOOP SYSTEM.

THIS HOLISTIC APPROACH MINIMIZES RELIANCE ON NATURAL FRESHWATER SOURCES, DRASTICALLY REDUCES WASTEWATER DISCHARGE INTO SURROUNDING COMMUNITIES, AND FOSTERS A CLEAN, SAFE, AND ENVIRONMENTALLY FRIENDLY CAMPUS FOR THE WELL-BEING OF ALL.

INTO FOUR PRIMARY INITIATIVES:

1. SOURCE CONTROL & POLLUTION PREVENTION

THE MOST EFFECTIVE WAY TO CONTROL WATER POLLUTION IS TO PREVENT HAZARDOUS SUBSTANCES FROM ENTERING THE CAMPUS DRAINAGE SYSTEM IN THE FIRST PLACE. THE UNIVERSITY IMPLEMENTS TWO STRICT MEASURES:



- CANTEN GREASE AND WASTE CONTROL PROGRAM: FOOD STALLS AND CAFETERIAS ARE REQUIRED TO SYSTEMATICALLY SEGREGATE FOOD WASTE AND USED COOKING OIL. GREASE TRAPS ARE INSTALLED AND REGULARLY MAINTAINED TO FILTER OUT SOLIDS AND GREASE, PREVENTING THEM FROM CLOGGING AND PUTREFYING WITHIN THE DRAINAGE LINES.

- PROCEDURE FOR THE CLASSIFICATION OF LABORATORY CHEMICALS PRIOR TO DISCHARGE: A STRICT PROTOCOL IS ENFORCED TO CLASSIFY CHEMICAL AND HAZARDOUS WASTE PRIOR TO DISPOSAL. DISCHARGING HIGHLY ACIDIC/ALKALINE SOLUTIONS, HEAVY METALS, OR TOXIC CHEMICAL SUBSTANCES DIRECTLY INTO THE DRAINS IS STRICTLY PROHIBITED. INSTEAD, THESE WASTES ARE COLLECTED IN DEDICATED CONTAINERS FOR PROPER EXTERNAL DISPOSAL TO PREVENT DAMAGE TO THE UNIVERSITY'S BIOLOGICAL WASTEWATER TREATMENT SYSTEMS.

2. WASTEWATER TREATMENT & WATER AERATION

WASTEWATER GENERATED FROM DAILY CAMPUS OPERATIONS IS SYSTEMATICALLY COLLECTED, TREATED, AND REHABILITATED:

- WASTEWATER TREATMENT AND ADVANCED FILTRATION SYSTEM: CENTRALIZED WASTEWATER TREATMENT PLANTS UTILIZING BIOLOGICAL TREATMENT SYSTEMS, ADVANCED FILTRATION, AND CHLORINE/UV DISINFECTION ARE DEPLOYED. THIS ENSURES THAT THE TREATED WATER MEETS LEGAL AND HYGIENE SAFETY STANDARDS BEFORE REDISTRIBUTION.

- WATER AERATION MACHINES: AERATION SYSTEMS ARE INSTALLED IN OPEN PONDS, FOUNTAINS, AND RETENTION BASINS ACROSS THE CAMPUS. THESE MACHINES INCREASE DISSOLVED OXYGEN (DO) LEVELS AND CIRCULATE THE WATER, STIMULATING NATURAL MICROORGANISMS TO DEGRADE ORGANIC MATTER, ELIMINATE ODORS, AND PRESERVE A HEALTHY AQUATIC ECOSYSTEM.

3. WATER RECYCLING PROGRAM (ZERO-DISCHARGE INITIATIVE)

TREATED WASTEWATER IS CONVERTED INTO SAFE, HIGH-QUALITY RECYCLED WATER AND RECIRCULATED FOR NON-POTABLE USES ACROSS ALL CAMPUSES, REDUCING WASTEWATER DISCHARGE INTO THE ENVIRONMENT TO NEARLY ZERO:

- RECYCLED WATER FOR LANDSCAPE IRRIGATION: RECYCLED WATER IS INTEGRATED INTO SPRINKLER OR DRIP IRRIGATION SYSTEMS TO WATER LAWNS, GARDENS, AND TREES. SINCE CAMPUS LANDSCAPING REQUIRES A MASSIVE VOLUME OF WATER DAILY, THIS INITIATIVE REDUCES MUNICIPAL TAP WATER CONSUMPTION FOR IRRIGATION BY NEARLY 100%.

- RECYCLED WATER FOR TOILET FLUSHING: A DUAL PIPING SYSTEM IS INSTALLED TO DISTRIBUTE TREATED AND DISINFECTED RECYCLED WATER FOR FLUSHING TOILETS AND URINALS IN BUILDING RESTROOMS, REPLACING CLEAN TAP WATER IN ONE OF THE MOST WATER-INTENSIVE OPERATIONAL AREAS.

- FACILITY AND HARDSCAPE CLEANING: RECYCLED WATER IS ALLOCATED FOR OUTDOOR CLEANING ACTIVITIES, SUCH AS PRESSURE WASHING PARKING LOTS, ROADS, WALKWAYS, SOLAR PANELS, AND WASHING ORGANIZATIONAL VEHICLES, SIGNIFICANTLY CONSERVING CLEAN MUNICIPAL TAP WATER.

4. WATER QUALITY MONITORING & SAFETY

TO GUARANTEE THE SAFETY OF RECYCLED WATER FOR OPERATORS, CAMPUS USERS, AND THE ENVIRONMENT, THE UNIVERSITY REGULARLY CONDUCTS LABORATORY TESTING ON TREATED WATER SAMPLES. THE LATEST TEST REPORT (AS OF MAY 5, 2026) CONFIRMS THAT ALL KEY WATER POLLUTION INDICATORS ARE WELL WITHIN SAFE AND EXCELLENT PARAMETERS:

- BIOCHEMICAL OXYGEN DEMAND (BOD): < 9.4 MG/L (STANDARD THRESHOLD IS TYPICALLY UNDER 20 MG/L), INDICATING MINIMAL ORGANIC POLLUTION AND ODOR-FREE WATER.

- PH LEVEL: 7.79 (NEUTRAL, COMPLETELY SAFE FOR CONTACT AND GENERAL USAGE).

- SUSPENDED SOLIDS (SS): 17 MG/L (CONFIRMING HIGH CLARITY WITH MINIMAL PARTICULATE RESIDUES).

4.7 IMPACT OF WATER MANAGEMENT PROGRAMS IN SUPPORTING THE SDGs

ผลกระทบของโครงการบริหารจัดการน้ำในการสนับสนุนเป้าหมายการพัฒนาที่ยั่งยืน

SUSTAINABLE DEVELOPMENT GOALS



THE UNIVERSITY HAS UNDERTAKEN A WIDE RANGE OF WATER MANAGEMENT, WATER CONSERVATION, WATER RECYCLING, AND WATER POLLUTION CONTROL PROGRAMS THAT CONTRIBUTE SIGNIFICANTLY TO THE ACHIEVEMENT OF THE SUSTAINABLE DEVELOPMENT GOALS (SDGS). THESE INITIATIVES REFLECT THE UNIVERSITY'S STRONG COMMITMENT TO SUSTAINABLE WATER RESOURCE MANAGEMENT, ENVIRONMENTAL PROTECTION, ECOSYSTEM CONSERVATION, AND CLIMATE RESILIENCE ACROSS BOTH CAMPUSES. KEY PROGRAMS INCLUDE:

MAINTENANCE OF LAWN AREAS, PERMEABLE PAVED AREAS, AND NATURAL WATER BODIES TO ENHANCE RAINWATER INFILTRATION, REDUCE SURFACE RUNOFF, AND SUPPORT GROUNDWATER RECHARGE. USE OF CAMPUS PONDS AND WATER RETENTION AREAS TO DELAY RUNOFF, RETAIN EXCESS RAINWATER, AND SUPPORT HYDROLOGICAL BALANCE WITHIN THE UNIVERSITY.

INSTALLATION OF POND AERATORS TO IMPROVE WATER QUALITY, INCREASE DISSOLVED OXYGEN, REDUCE ODORS, AND SUPPORT ECOLOGICAL HEALTH IN CAMPUS WATER BODIES.

CANAL DREDGING TO IMPROVE DRAINAGE EFFICIENCY, REMOVE SEDIMENT AND BLOCKAGES, AND REDUCE FLOOD RISK DURING HEAVY RAINFALL.

APPLICATION OF EFFECTIVE MICROORGANISMS (EM) TO IMPROVE WATER QUALITY, RESTORE AQUATIC CONDITIONS, AND ENHANCE DRAINAGE PERFORMANCE.

REMOVAL OF GREASE AND SEWAGE WASTE FROM CANTEENS TO IMPROVE WASTEWATER MANAGEMENT AND REDUCE THE DISCHARGE OF POLLUTANTS INTO THE DRAINAGE SYSTEM.

IMPLEMENTATION OF A CANTEN GREASE AND WASTE CONTROL PROGRAM TO PREVENT OILS, GREASE, FOOD RESIDUES, AND ORGANIC WASTE FROM CONTAMINATING CAMPUS WATER SYSTEMS.

INSTALLATION OF WATER-SAVING SANITARY WARE AND WATER-USE EQUIPMENT, INCLUDING LOW-FLUSH TOILETS, AUTOMATIC FAUCETS, LOW-WATER URINALS, BIDET SPRAYERS WITH WATER-SAVING BUTTONS, AND LABORATORY FLOW RESTRICTORS.

PROVISION OF FREE DRINKING WATER REFILL STATIONS EQUIPPED WITH FILTRATION SYSTEMS TO ENSURE SAFE ACCESS TO DRINKING WATER AND REDUCE SINGLE-USE PLASTIC CONSUMPTION.

REUSE OF TREATED WASTEWATER FOR IRRIGATION OF LAWNS, GREEN SPACES, AND LANDSCAPE MAINTENANCE TO REDUCE DEPENDENCE ON TAP WATER.

REUSE OF WATER FROM HANDWASHING SINKS FOR TOILET FLUSHING AS PART OF BUILDING-LEVEL WATER RECYCLING MEASURES.

USE OF WATER PUMPING SYSTEMS FROM STORAGE RESERVOIRS FOR IRRIGATION AND GREEN AREA MAINTENANCE.

DEVELOPMENT AND EXPANSION OF WATER TREATMENT SYSTEMS AND WASTEWATER TREATMENT INFRASTRUCTURE TO STRENGTHEN LONG-TERM WATER MANAGEMENT CAPACITY.

IMPLEMENTATION OF PROCEDURES FOR CLASSIFYING AND SEGREGATING LABORATORY CHEMICALS BEFORE DISCHARGE INTO THE TREATMENT POND TO PREVENT HAZARDOUS CONTAMINATION.

PROMOTION OF WASTEWATER TREATMENT ACTIVITIES USING ALTERNATIVE ENERGY AND ENVIRONMENTAL AWARENESS CAMPAIGNS AMONG UNIVERSITY PERSONNEL.

POLICY ON THE CONSERVATION AND UTILIZATION OF AQUATIC ECOSYSTEM DIVERSITY TO PROTECT WATER-RELATED ECOSYSTEMS AND BIODIVERSITY WITHIN THE UNIVERSITY.

THESE EFFORTS DIRECTLY SUPPORT SDGS 3, 4, 6, 9, 11, 12, 13, 14, 15, AND 17, AND CONTRIBUTE INDIRECTLY TO BROADER SUSTAINABLE DEVELOPMENT OUTCOMES. SPECIFICALLY:

SDG 3 – GOOD HEALTH AND WELL-BEING

SUPPORTING PUBLIC HEALTH THROUGH ACCESS TO CLEAN AND SAFE DRINKING WATER, IMPROVED SANITATION SYSTEMS, AND THE PREVENTION OF WATER POLLUTION WITHIN THE CAMPUS ENVIRONMENT.

SDG 4 – QUALITY EDUCATION

CREATING A HEALTHY AND SUSTAINABLE LEARNING ENVIRONMENT WHILE PROMOTING ENVIRONMENTAL AWARENESS, PRACTICAL LEARNING, AND KNOWLEDGE DISSEMINATION RELATED TO WATER CONSERVATION AND WASTEWATER TREATMENT.

SDG 6 – CLEAN WATER AND SANITATION

ENSURING SUSTAINABLE WATER MANAGEMENT THROUGH WASTE-WATER TREATMENT, WATER REUSE, WATER-SAVING TECHNOLOGIES, DRAINAGE IMPROVEMENT, POLLUTION CONTROL, AND EFFICIENT SANITATION SYSTEMS.

SDG 9 – INDUSTRY, INNOVATION AND INFRASTRUCTURE

STRENGTHENING CAMPUS INFRASTRUCTURE THROUGH WATER TREATMENT SYSTEMS, BUFFER TANKS, AERATION SYSTEMS, EFFICIENT IRRIGATION SYSTEMS, AND INNOVATIVE WATER RECYCLING TECHNOLOGIES.

SDG 11 – SUSTAINABLE CITIES AND COMMUNITIES

ENHANCING RESILIENCE TO FLOODING AND WATER-RELATED ENVIRONMENTAL RISKS THROUGH INFILTRATION AREAS, PERMEABLE SURFACES, RETENTION PONDS, AND IMPROVED DRAINAGE MANAGEMENT.

SDG 12 – RESPONSIBLE CONSUMPTION AND PRODUCTION

PROMOTING RESPONSIBLE USE OF WATER RESOURCES THROUGH WATER-SAVING DEVICES, WASTEWATER REUSE, TREATED WATER UTILIZATION, AND THE REDUCTION OF WASTE AND POLLUTION AT THE SOURCE.

SDG 13 – CLIMATE ACTION

SUPPORTING CLIMATE ADAPTATION AND RESILIENCE BY REDUCING RUNOFF, MANAGING STORMWATER EFFECTIVELY, CONSERVING WATER RESOURCES, AND IMPROVING ECOSYSTEM-BASED WATER MANAGEMENT.

SDG 14 – LIFE BELOW WATER

PREVENTING WATER POLLUTION FROM LABORATORY CHEMICALS, GREASE, WASTEWATER, AND OTHER CONTAMINANTS THAT MAY AFFECT AQUATIC ECOSYSTEMS AND DOWNSTREAM WATER BODIES.

SDG 15 – LIFE ON LAND

PROTECTING TERRESTRIAL AND FRESHWATER ECOSYSTEMS THROUGH SUSTAINABLE LANDSCAPE IRRIGATION, AQUATIC ECOSYSTEM CONSERVATION, GROUNDWATER RECHARGE, AND INTEGRATED CAMPUS WATER MANAGEMENT.

SDG 17 – PARTNERSHIPS FOR THE GOALS

SUPPORTING COLLABORATION IN ENVIRONMENTAL MANAGEMENT, POLICY IMPLEMENTATION, AWARENESS-BUILDING, AND THE DEVELOPMENT OF SUSTAINABLE WATER PRACTICES WITHIN THE UNIVERSITY COMMUNITY AND BEYOND.

SUMMARY

OVERALL, THE UNIVERSITY'S WATER-RELATED INITIATIVES COVER 10 SUSTAINABLE DEVELOPMENT GOALS (SDGS), NAMELY SDGS 3, 4, 6, 9, 11, 12, 13, 14, 15, AND 17. THESE PROGRAMS DEMONSTRATE A COMPREHENSIVE AND INTEGRATED APPROACH TO WATER SUSTAINABILITY BY ADDRESSING WATER CONSERVATION, WASTEWATER TREATMENT, POLLUTION PREVENTION, ECOSYSTEM PROTECTION, INFRASTRUCTURE DEVELOPMENT, AND COMMUNITY AWARENESS. THROUGH THESE ACTIONS, THE UNIVERSITY NOT ONLY IMPROVES WATER MANAGEMENT EFFICIENCY ON CAMPUS BUT ALSO CONTRIBUTES MEANINGFULLY TO LONG-TERM ENVIRONMENTAL SUSTAINABILITY AND THE GLOBAL SDG AGENDA.



5

UI GREEN METRIC SUSTAINABILITY REPORT 2026

SILPAKORN UNIVERSITY

SANAM CHANDRA PALACE | PHETCHABURI INFORMATION TECHNOLOGY

TR

TRANSPORTATION



5.1 NUMBER OF CARS ACTIVELY USED AND MANAGED BY THE UNIVERSITY

จำนวนรถยนต์ที่ถูกใช้งานและอยู่ภายใต้การบริหารจัดการของมหาวิทยาลัย

**82 CARS ACTIVELY USED AND MANAGED
BY THE UNIVERSITY**

5.2 NUMBER OF CARS ENTERING THE UNIVERSITY DAILY

จำนวนรถยนต์ที่เข้ามาในมหาวิทยาลัยในแต่ละวัน

**2,435 CARS ENTERING THE UNIVERSITY
DAILY**

5.3 NUMBER OF MOTORCYCLES ENTERING THE UNIVERSITY DAILY

จำนวนรถจักรยานยนต์ที่เข้ามามหาวิทยาลัยในแต่ละวัน

**1,862 MOTORCYCLES ENTERING THE
UNIVERSITY DAILY**

5.4 TOTAL NUMBER OF VEHICLES WITH EMIS- SIONS DIVIDED BY TOTAL CAMPUS POPU- LATION

จำนวนยานพาหนะที่มีการปล่อยมลพิษทั้งหมดหารด้วยจำนวนประชากรทั้งหมดภายในวิทยาเขต

THE UNIVERSITY RECORDED A TOTAL OF 4,379 VEHICLES, CONSISTING OF 82 UNIVERSITY-MANAGED CARS, 2,435 CARS ENTERING THE CAMPUS, AND 1,862 MOTORCYCLES ENTERING THE CAMPUS. WHEN DIVIDED BY THE TOTAL CAMPUS POPULATION OF 35,338 PEOPLE (32,318 STUDENTS AND 3,020 STAFF), THE RESULTING RATIO IS 0.12 VEHICLES PER PERSON.

THIS INDICATES THAT THERE ARE APPROXIMATELY 12 VEHICLES FOR EVERY 100 PEOPLE ON CAMPUS, REFLECTING THE LEVEL OF VEHICLE USAGE AND TRANSPORTATION DEMAND WITHIN THE UNIVERSITY COMMUNITY.



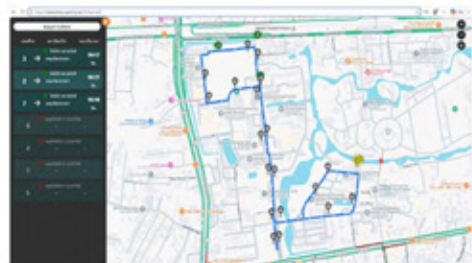
5.5 SHUTTLE SERVICES

การบริการรถรับ-ส่ง

SILPAKORN UNIVERSITY PROVIDES ENVIRONMENTALLY FRIENDLY TRANSPORTATION SERVICES ACROSS BOTH CAMPUSES THROUGH THE SU SMART BUS ELECTRIC TRAM SYSTEM AND OTHER SUSTAINABLE MOBILITY INITIATIVES FOR STUDENTS, STAFF, AND VISITORS.



AT SANAM CHANDRA PALACE CAMPUS, THE UNIVERSITY OPERATES SIX ELECTRIC SHUTTLE BUSES (SU SMART BUS) TO PROVIDE CONVENIENT, SAFE, AND LOW-CARBON TRANSPORTATION THROUGHOUT THE CAMPUS. THE SERVICE COVERS 19 DESIGNATED BUS STOPS AND ALLOWS USERS TO TRACK VEHICLE LOCATIONS IN REAL TIME THROUGH THE "TABKAEW BUS TRACKING" SYSTEM.



THE ELECTRIC SHUTTLE SERVICE OPERATES FROM MONDAY TO FRIDAY BETWEEN 7:00 A.M. AND 5:00 P.M., PROVIDING APPROXIMATELY 20 TRIPS PER VEHICLE PER DAY, AND FROM SATURDAY TO SUNDAY BETWEEN 8:00 A.M. AND 4:00 P.M., PROVIDING APPROXIMATELY 14 TRIPS PER VEHICLE PER DAY. IN ADDITION, THE UNIVERSITY PROVIDES DEDICATED SHUTTLE BUS SERVICES FOR STAFF TWICE DAILY, IN THE MORNING AND EVENING.



AT PHETCHABURI INFORMATION TECHNOLOGY CAMPUS

THE UNIVERSITY PROMOTES BICYCLE USE UNDER ITS GREEN AND CLEAN CAMPUS POLICY AND OPERATES FIVE ELECTRIC SHUTTLE VEHICLES SERVING EIGHT DESIGNATED STOPS THROUGHOUT THE CAMPUS. THE SERVICE IS AVAILABLE FROM MONDAY TO FRIDAY BETWEEN 7:30 A.M. AND 8:00 P.M., PROVIDING APPROXIMATELY 90 TRIPS PER DAY, AND ON PUBLIC HOLIDAYS FROM 8:00 A.M. TO 6:00 P.M., PROVIDING APPROXIMATELY 27 TRIPS PER DAY.



THE CAMPUS ALSO PROVIDES ELECTRIC BICYCLES TO SUPPORT SUSTAINABLE MOBILITY AND REDUCE DEPENDENCE ON PRIVATE VEHICLES. TO ENHANCE CONVENIENCE AND ACCESSIBILITY, USERS CAN TRACK THE REAL-TIME LOCATION OF THE ELECTRIC SHUTTLE SERVICE THROUGH THE GPS TRACKING SYSTEM USING THE "DTC MOBILE V2" APPLICATION, AVAILABLE ON BOTH IOS AND ANDROID PLATFORMS.

THESE TRANSPORTATION INITIATIVES SUPPORT THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGS), PARTICULARLY SDG 11 (SUSTAINABLE CITIES AND COMMUNITIES) AND SDG 13 (CLIMATE ACTION), BY PROMOTING ACCESSIBLE, SAFE, AND LOW-CARBON TRANSPORTATION OPTIONS FOR THE UNIVERSITY COMMUNITY. THE SERVICES HELP REDUCE THE USE OF PRIVATE CARS AND MOTORCYCLES ON CAMPUS, ALLEVIATE TRAFFIC CONGESTION, DECREASE PARKING DEMAND, AND IMPROVE THE OVERALL SUSTAINABILITY OF CAMPUS TRANSPORTATION SYSTEMS. ENVIRONMENTAL PERFORMANCE.

5.6 NUMBER OF SHUTTLES OPERATING IN THE UNIVERSITY

จำนวนรถรับ-ส่งที่ให้บริการภายในมหาวิทยาลัย



20 SHUTTLES OPERATING IN THE UNIVERSITY

5.7 AVERAGE NUMBER OF PASSENGERS OF EACH SHUTTLE

จำนวนผู้โดยสารโดยเฉลี่ยของรถรับ-ส่งแต่ละรอบ



2,435 CARS ENTERING THE UNIVERSITY DAILY

5.8 TOTAL NUMBER OF SHUTTLE TRIPS PER DAY

จำนวนเที่ยวรถรับส่งทั้งหมดต่อวัน



165 SHUTTLE TRIPS PER DAY



5.9 ZERO EMISSION VEHICLES (ZEV) AVAILABILITY ON CAMPUS

นโยบายยานพาหนะที่ปล่อยมลพิษเป็นศูนย์ภายในวิทยาเขต

THE UNIVERSITY RECORDED A TOTAL OF 4,379 VEHICLES, CONSISTING OF 82 UNIVERSITY-MANAGED CARS, 2,435 CARS ENTERING THE CAMPUS, AND 1,862 MOTORCYCLES ENTERING THE CAMPUS.



WHEN DIVIDED BY THE TOTAL CAMPUS POPULATION OF 35,338 PEOPLE (32,318 STUDENTS AND 3,020 STAFF), THE RESULTING RATIO IS 0.12 VEHICLES PER PERSON.



THIS INDICATES THAT THERE ARE APPROXIMATELY 12 VEHICLES FOR EVERY 100 PEOPLE ON CAMPUS, REFLECTING THE LEVEL OF VEHICLE USAGE AND TRANSPORTATION DEMAND WITHIN THE UNIVERSITY COMMUNITY.

5.10 AVERAGE NUMBER OF ZERO EMISSION VEHICLES (ZEV) ON CAMPUS PER DAY

จำนวนเฉลี่ยของยานพาหนะที่ไม่ปล่อยมลพิษในวิทยาเขตต่อวัน

814 VEHICLES OF ZERO EMISSION VEHICLES (ZEV) ON CAMPUS PER DAY



5.11 THE TOTAL NUMBER OF ZERO EMISSION VEHICLES (ZEV) DIVIDED BY THE TOTAL CAMPUS POPULATION

จำนวนยานพาหนะทั้งหมดที่ไม่ปล่อยมลพิษต่อจำนวนประชากรทั้งหมดภายในวิทยาเขต



LESS THAN 0.02 OF ZERO EMISSION VEHICLES (ZEV) DIVIDED BY THE TOTAL CAMPUS POPULATION

5.12 TOTAL GROUND PARKING AREA (M²)

พื้นที่จอดรถทั้งหมด



33,627 M² GROUND PARKING AREA

5.13 RATIO OF THE GROUND PARKING AREA TO TOTAL CAMPUS AREA

อัตราส่วนพื้นที่จอดรถต่อพื้นที่ทั้งหมดของวิทยาเขต



SILPAKORN UNIVERSITY EFFECTIVELY MANAGES PARKING FACILITIES ACROSS ITS CAMPUSES TO OPTIMIZE LAND USE AND PROMOTE SUSTAINABLE TRANSPORTATION. THE UNIVERSITY ENCOURAGES THE ADOPTION OF ECO-FRIENDLY TRANSPORTATION MODES, INCLUDING ELECTRIC SHUTTLES, BICYCLES, AND ELECTRIC VEHICLES (EVS), TO REDUCE DEPENDENCE ON PERSONAL CARS AND MINIMIZE THE NEED FOR EXPANDING PARKING SPACES.

PARKING ALLOCATION AT PHETCHABURI CAMPUS:

- FRONT PARKING AREA: LOCATED ON THE SOUTH SIDE OF THE SPORTS FIELD, THIS AREA ACCOMMODATES VEHICLES FOR VISITORS AND EVENTS HELD AT THE SPORTS FIELD.

- REAR PARKING AREA: DESIGNED TO SERVE VEHICLES AND MOTORCYCLES OF STUDENTS AND STAFF RESIDING OFF-CAMPUS. USERS OF THIS AREA ARE ENCOURAGED TO UTILIZE ALTERNATIVE TRANSPORTATION MODES WITHIN THE CAMPUS, SUCH AS BICYCLES, WALKING PATHS, AND INTERNAL SHUTTLE BUSES.

PARKING FOR BUILDING CLUSTERS WITHIN THE CAMPUS:

- PARKING FOR BUILDING CLUSTERS: ALLOCATED AROUND THE OUTER PERIMETER OF THE EDUCATIONAL AREA, WITHIN THE "FAN-SHAPED" ROAD FRAMEWORK. THIS SETUP UTILIZES EXISTING PARKING SPACES AND PROPOSED NEW LOCATIONS TO ENSURE COVERAGE FOR ALL BUILDING CLUSTERS.

- WALKING DISTANCE FROM PARKING TO MAIN BUILDINGS: PARKING AREAS ARE STRATEGICALLY PLACED WITHIN A 250-METER WALKING RADIUS FROM KEY BUILDINGS, ENSURING A WALKING TIME OF NO MORE THAN 5 MINUTES.

TOTAL PARKING: 33,627 M²
TOTAL AREA: 1,707,582 M²
PERCENTAGE AREA: 1.97%

THIS PARKING ALLOCATION STRATEGY AIMS TO OPTIMIZE LAND USE, PROMOTE ECO-FRIENDLY TRANSPORTATION, AND REDUCE RELIANCE ON PERSONAL VEHICLES WITHIN SILPAKORN UNIVERSITY.

5.14 PROGRAM TO LIMIT OR DECREASE THE PARKING AREA ON CAMPUS FOR THE LAST 3 YEARS

โครงการเพื่อลดหรือจำกัดพื้นที่จอดรถในช่วง 3 ปีที่ผ่านมา

SILPAKORN UNIVERSITY HAS DESIGNATED PARKING AREAS AND INSTALLED TRAFFIC POLES ALONG THE MAIN INTERNAL ROADS WITHIN THE CAMPUS TO FACILITATE THE CONVENIENCE OF COMMUTERS.

1. PEDESTRIAN WALKWAY



UPGRADING WALKWAYS TO BE SAFE AND SHADED ENCOURAGES COMMUTERS TO TRANSITION FROM DRIVING PRIVATE VEHICLES TO WALKING. SEAMLESSLY CONNECTING THESE PATHS TO FREE ELECTRIC TRAM STOPS FACILITATES CONVENIENT AND ECO-FRIENDLY CAMPUS TRANSIT. THIS SIGNIFICANTLY REDUCES THE DEMAND FOR PARKING SPACES, ALLOWING THEM TO BE REPURPOSED INTO SUSTAINABLE GREEN AREAS.

2. ELECTRIC SHUTTLE BUS SERVICE

A FEASIBILITY STUDY HAS BEEN CONDUCTED ON THE USE OF ELECTRIC SHUTTLE BUSES TO ENHANCE INTERNAL TRANSPORTATION WITHIN THE CAMPUS.



- PROVIDES AN ELECTRIC SHUTTLE SERVICE (SHUTTLE BUS) AND EV SERVICE FOR STUDENTS AND STAFF TO SUPPORT ECO-FRIENDLY COMMUTING.



- INSTALLED DESIGNATED BUS STOPS AT KEY POINTS TO FACILITATE PASSENGER PICK-UP AND DROP-OFF.

3. ELECTRIC TRAM ROUTES



A REAL-TIME GPS TRACKING SYSTEM HAS BEEN INSTALLED FOR THE TRAMS, ALLOWING USERS TO CONVENIENTLY MONITOR TRAM LOCATIONS.

4. LIMITING PARKING AREAS FOR STUDENTS



AUTOMATIC BARRIER GATES HAVE BEEN INSTALLED AT STUDENT PARKING AREAS TO CONTROL ACCESS AND ENSURE EFFICIENT USE OF PARKING SPACES.

- IMPLEMENTS LIMITING PARKING ZONES FOR STUDENTS THROUGH THE INSTALLATION AND USE OF AUTOMATIC BARRIER GATES.

5. ELECTRIC BICYCLE RENTAL SERVICE

ELECTRIC BICYCLES ARE AVAILABLE FOR RENT TO FACILITATE CONVENIENT TRANSPORTATION WITHIN THE CAMPUS.

- PROMOTES MICRO-MOBILITY THROUGH THE DEDICATED SU BIKE LANE.



- OFFERS ELECTRIC BIKES FOR RENT VIA THE "GO GO BIKE MY SAFE" SERVICE, PROVIDING A SAFE, CONVENIENT, AND ECO-FRIENDLY TRAVEL OPTION.

6. PROMOTION OF CARPOOLING

CARPPOOLING IS ENCOURAGED TO SUPPORT SHARED TRANSPORTATION, REDUCE THE USE OF PRIVATE VEHICLES, AND DECREASE POLLUTION WITHIN THE CAMPUS.



THE ALLOCATION OF PARKING AREAS, INSTALLATION OF TRAFFIC POLES, AND PROMOTION OF ECO-FRIENDLY TRANSPORTATION OPTIONS AND CARPOOLING DEMONSTRATE A COMMITMENT TO CREATING A SUSTAINABLE AND ENVIRONMENTALLY FRIENDLY CAMPUS ENVIRONMENT.

5.15 NUMBER OF INITIATIVES TO DECREASE PRIVATE VEHICLES ON CAMPUS

นโยบายลดและจำกัดยานพาหนะส่วนตัวเข้ามาภายในวิทยาเขต

SILPAKORN UNIVERSITY IS COMMITTED TO DRIVING ITS VISION OF A SMART & GREEN CAMPUS, WITH A KEY OBJECTIVE TO REDUCE AND LIMIT THE USE OF PRIVATE VEHICLES WITHIN ALL CAMPUS GROUNDS. THIS INITIATIVE AIMS TO MINIMIZE GREENHOUSE GAS EMISSIONS, REDUCE NOISE AND AIR POLLUTION, AND RECLAIM ROAD SPACES AS SAFE WALKWAYS FOR STUDENTS AND STAFF. TO SUPPORT THIS TRANSITION, THE UNIVERSITY HAS SYSTEMATICALLY ESTABLISHED ALTERNATIVE TRANSIT OPTIONS AND SUPPORTIVE MEASURES TO REPLACE PRIVATE VEHICLE RELIANCE, AS DETAILED BELOW:



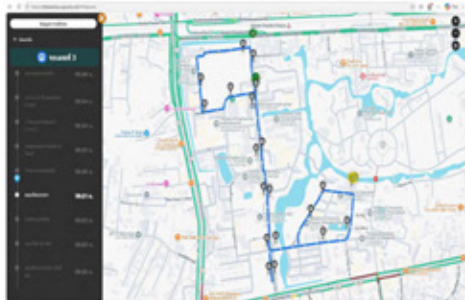
1. ECO-FRIENDLY TRANSIT SYSTEM: THE PRIMARY ALTERNATIVE TO PRIVATE VEHICLES

TO INCENTIVIZE THE CAMPUS COMMUNITY TO REDUCE DRIVING PRIVATE CARS AND MOTORCYCLES INTO CENTRAL CAMPUS AREAS, THE UNIVERSITY PROVIDES A COMPREHENSIVE, EASILY ACCESSIBLE ELECTRIC PUBLIC TRANSIT SYSTEM, MAKING CAMPUS COMMUTING MORE CONVENIENT THAN USING A PRIVATE VEHICLE.

- ELECTRIC SHUTTLE BUS AND EV SERVICES: CLEAN-ENERGY ELECTRIC SHUTTLE SERVICES ARE PROVIDED FOR STUDENTS AND STAFF, COMPLETE WITH A SYSTEMATICALLY ORGANIZED NETWORK OF BUS STOPS CONNECTING KEY ACADEMIC BUILDINGS AND FACILITIES. THIS SYSTEM SUCCESSFULLY ELIMINATES THE NEED FOR INTER-BUILDING TRAVEL USING PRIVATE VEHICLES.

- ELECTRIC TRAM SERVICE: SERVING AS A PRIMARY MASS TRANSIT SYSTEM RUNNING REGULARLY ALONG MAJOR CAMPUS ROUTES. COMMUTERS CAN EASILY VIEW THE ROUTE MAP AND PLAN THEIR JOURNEYS IN ADVANCE VIA THE ELECTRIC TRAM ROUTE MAP.

2. REAL-TIME SMART GPS TRACKING: OVERCOMING OBSTACLES TO PROMOTE PUBLIC TRANSIT USE



A MAJOR FACTOR BEHIND PRIVATE VEHICLE RELIANCE IS COMMUTER ANXIETY OVER TRAVEL AND WAIT TIMES. THE UNIVERSITY ADDRESSES THIS BY IMPLEMENTING A REAL-TIME TRAM GPS TRACKING SYSTEM. THIS BUILDS COMMUTER CONFIDENCE AND ENCOURAGES A SHIFT TOWARD PUBLIC TRANSIT BY ALLOWING USERS TO INSTANTLY CHECK LIVE TRAM LOCATIONS VIA THE "DTC MOBILE V2" APPLICATION (SUPPORTED ON BOTH IOS AND ANDROID).

3. ALTERNATIVE TRAVEL AND BICYCLE PROMOTION (MICRO-MOBILITY): SUPPORTING ENGINE-FREE SHORT-DISTANCE TRAVEL

NUDGING COMMUTERS TO CHANGE THEIR HABITS FROM DRIVING PRIVATE MOTORCYCLES FOR SHORT DISTANCES BETWEEN BUILDINGS TO ADOPTING ECO-FRIENDLY TRANSIT:



- DEDICATED SU BIKE LANE: OUTFITTED WITH TRAFFIC POLES TO SAFELY DEMARCAT E LANES, PREVENTING PRIVATE VEHICLES FROM ENCROACHING ON CYCLIST SPACES. THIS ENCOURAGES MORE WALKING AND CYCLING IN A SAFE ENVIRONMENT.

- ELECTRIC BIKE RENTAL SERVICE ("GO GO BIKE MY SAFE"): AN ELECTRIC BIKE-SHARING PLATFORM AVAILABLE ON CAMPUS, OFFERING A CONVENIENT, FAST, AND ZERO-EMISSION OPTION FOR SHORT-DISTANCE CAMPUS TRAVEL WITHOUT HAVING TO RELY ON PRIVATE VEHICLES.

4. PARKING CONTROL & SECURITY: STRICT MEASURES TO LIMIT AND CONTROL PRIVATE VEHICLES

PROACTIVE MEASURES IMPLEMENTED TO REGULATE THE VOLUME OF PRIVATE VEHICLES AND PREVENT THEM FROM DISRUPTING THE CAMPUS'S CORE AREA:

- LIMITING STUDENT PARKING ZONES WITH AUTOMATIC BARRIER GATES: SCREENING AND RESTRICTING STUDENT PRIVATE VEHICLES FROM ENTERING INNER CAMPUS AREAS BY DESIGNATING THEM TO PARK ONLY IN DESIGNATED PERIPHERAL PARKING ZONES. THIS REDUCES TRAFFIC CONGESTION AND PREVENTS VEHICLES FROM ENTERING ACADEMIC AREAS.

- TRAFFIC POLE INSTALLATION: INSTALLED ALONG MAIN INTERNAL ROADS TO DIRECT TRAFFIC FLOW AND PREVENT PRIVATE VEHICLES FROM PARKING IN PROHIBITED ZONES OR BLOCKING TRANSIT ROUTES, ENSURING MAXIMUM SAFETY FOR PEDESTRIANS AND CYCLISTS.



- NIGHTTIME VISITOR ENTRY-EXIT LOG (10:00 PM - 4:00 AM): STRICT CHECKPOINTS ARE SET UP TO SCREEN AND LOG THE PRIVATE CARS AND MOTORCYCLES OF EXTERNAL VISITORS BETWEEN 10:00 PM AND 4:00 AM, RESTRICTING UNNECESSARY VEHICLES FROM CAUSING POLLUTION OR SAFETY CONCERNS DURING LATE-NIGHT HOURS. UNDER THESE MEASURES, THE UNIVERSITY ENFORCES STRICT ENTRY AND EXIT SCREENING PROTOCOLS:

- STUDENTS: MUST VERIFY THEIR IDENTITY THROUGH THE EDUCATIONAL SERVICES SYSTEM VIA WWW.REG.SU.TH.

- EXTERNAL VISITORS: MUST PRESENT THEIR NATIONAL IDENTIFICATION CARD TO OBTAIN AN ENTRY PASS AT THE CHECKPOINT AND RETRIEVE IT PRIOR TO LEAVING THE UNIVERSITY PREMISES.

5. COMPLIMENTARY ROUND-TRIP SHUTTLE BUS SERVICE AND SHARED MOBILITY POLICY

FURTHERMORE, SILPAKORN UNIVERSITY EXTENDS ITS SUSTAINABLE TRANSPORTATION EFFORTS BEYOND CAMPUS BORDERS. THE UNIVERSITY OFFERS A COMPLIMENTARY ROUND-TRIP SHUTTLE BUS SERVICE CONNECTING BANGKOK WITH REGIONAL CAMPUSES FOR ALL STUDENTS AND STAFF. THIS MASS TRANSIT INITIATIVE SIGNIFICANTLY DECREASES THE RELIANCE ON PERSONAL VEHICLES FOR LONG-DISTANCE COMMUTES.



ADDITIONALLY, THE UNIVERSITY IMPLEMENTS AN INSTITUTIONAL SHARED MOBILITY POLICY FOR CROSS-CAMPUS EVENTS. A CENTRALIZED TRAVEL SCHEDULE IS PUBLISHED THROUGH THE GROUP IN LINE APPLICATION, ALLOWING DIFFERENT DEPARTMENTS HEADING TO THE SAME DESTINATION TO SHARE TRANSPORTATION. THIS STRATEGIC COORDINATION NOT ONLY SAVES TRAVEL EXPENSES BUT ALSO ELIMINATES REDUNDANT VEHICLE USAGE, THEREBY REDUCING THE UNIVERSITY'S OVERALL CARBON FOOTPRINT.



CONCLUSION

THE INTEGRATION OF ALL THESE MEASURES DEMONSTRATES THAT SILPAKORN UNIVERSITY DOES NOT SIMPLY "BAN" PRIVATE VEHICLES. INSTEAD, IT HAS "CREATED A COMPLETE ALTERNATIVE MOBILITY ECOSYSTEM" (COMPRISING ELECTRIC TRAMS, EV SHUTTLE BUSES, ELECTRIC BICYCLES, AND SMART APPLICATIONS) TO SUPPORT COMMUTERS. COMBINED WITH PARKING RESTRICTION MEASURES USING AUTOMATIC BARRIER GATES AND TRAFFIC CONTROL THROUGH BOLLARDS/POLES, THESE EFFORTS FACILITATE A BEHAVIORAL SHIFT AWAY FROM PRIVATE VEHICLE RELIANCE TOWARD SUSTAINABLE, CLEAN MASS TRANSIT. THIS ULTIMATELY STEERS THE UNIVERSITY TOWARD ITS GOAL OF BECOMING A LOW-CARBON, SAFE, AND TRULY LIVABLE CAMPUS.

5.16 PEDESTRIAN PATH ON CAMPUS

ทางเดินเท้าภายในวิทยาเขต

DRIVEN BY SILPAKORN UNIVERSITY'S OFFICIAL GREEN & SAFE CAMPUS POLICY, THE UNIVERSITY PLACES A STRONG EMPHASIS ON PEDESTRIAN MOBILITY, TRAFFIC SYSTEM UPGRADES, AND UNIVERSAL DESIGN PRINCIPLES TO FACILITATE CONVENIENCE, PREVENT ACCIDENTS, AND ENSURE THE HIGHEST SAFETY STANDARDS FOR STUDENTS, STAFF, AND ALL VISITORS.

1. PEDESTRIAN WALKWAYS & LINKS

THE UNIVERSITY ACTIVELY ENCOURAGES STAFF AND STUDENTS TO COMMUTE ON FOOT BY IMPROVING AND CONSTRUCTING HIGH-QUALITY PEDESTRIAN WALKWAYS. THESE WALKWAYS ARE PURPOSEFULLY DESIGNED WITH PHYSICAL SEPARATORS FROM VEHICULAR ROADS TO ENSURE MAXIMUM SAFETY. MOREOVER, ADEQUATE PEDESTRIAN STREET LIGHTING IS INSTALLED ALONG THE PATHWAYS TO GUARANTEE SAFE COMMUTING AT NIGHT. THE KEY IMPLEMENTATIONS INCLUDE:



- PEDESTRIAN PATHWAY RENOVATION: CONTINUOUSLY REPAIRING AND MAINTAINING DAMAGED WALKWAYS TO ENSURE THEY ARE SMOOTH, SAFE, AND FULLY ACCESSIBLE AT ALL TIMES.

- COVERED WALKWAYS: INSTALLING COVERED STRUCTURES ALONG MAJOR PEDESTRIAN PATHS TO PROVIDE SHADE AND RAIN PROTECTION, ENSURING THAT HARSH WEATHER CONDITIONS DO NOT HINDER WALKING.

- PEDESTRIAN LINKS BETWEEN BUILDINGS: DESIGNING SYSTEMATIC WALKWAY NETWORKS CONNECTING ACADEMIC BUILDINGS, ACTIVITY CENTERS, AND CAFETERIAS TO FACILITATE SEAMLESS AND SAFE TRANSIT WITHOUT THE NEED TO WALK ALONG MAIN ROADS.



- SRA KAEW BRIDGE: MAINTAINING AND RESTORING THE ICONIC WOODEN BRIDGE OVER THE MAIN WATER BODY, SERVING AS A SCENIC, NATURAL, AND SAFE PEDESTRIAN SHORTCUT ACROSS THE CAMPUS.

2. SAFETY & ACCESSIBILITY (UNIVERSAL DESIGN)

TO ENSURE EQUAL AND SAFE ACCESS TO ALL CAMPUS AREAS FOR EVERYONE, INCLUDING INDIVIDUALS WITH DISABILITIES:



- GENTLE RAMPS FOR WHEELCHAIRS: INSTALLING GENTLE-SLOPE RAMPS AT BUILDING ENTRANCES AND SPLIT-LEVEL AREAS IN ACCORDANCE WITH UNIVERSAL DESIGN STANDARDS.



- HANDRAILS & GUARDRAILS: INSTALLING HANDRAILS AND PROTECTIVE BARRIERS IN SPLIT-LEVEL AREAS, WALKWAY EDGES, OR HIGH-RISK SPOTS TO PROVIDE SUPPORT AND PREVENT FALLS.

3. IMPROVING SHUTTLE BUS STOPS FOR PEDESTRIAN CONVENIENCE



THE UNIVERSITY HAS UPGRADED AND REORGANIZED ITS SHUTTLE STOPS TO ENSURE A SAFER, MORE CONVENIENT, AND HIGHLY ORGANIZED ENVIRONMENT FOR PASSENGERS BOARDING AND ALIGHTING. THIS OPTIMIZATION EFFECTIVELY REDUCES CONGESTION AND PREVENTS TRAFFIC ACCIDENTS BETWEEN PEDESTRIANS AND SHUTTLE VEHICLES.

4. TRAFFIC MARKINGS & SYMBOLS FOR SAFETY



THE UNIVERSITY HAS IMPLEMENTED A ROAD MARKINGS & TRAFFIC SYMBOLS PROJECT ON ROAD SURFACES TO CLEARLY ORGANIZE VEHICLE AND PEDESTRIAN FLOWS, ENHANCE VISIBILITY, PREVENT CONFUSION, AND ELEVATE SAFETY LEVELS FOR BOTH DRIVERS AND PEDESTRIANS.

5. ROAD SAFETY INSPECTION



A SYSTEMATIC ROAD SAFETY INSPECTION IS CONDUCTED ACROSS THE CAMPUS TO IDENTIFY, ASSESS, AND MAP OUT POTENTIAL ACCIDENT-PRONE AREAS (SUCH AS BLIND SPOTS, PEDESTRIAN INTERSECTIONS, OR POORLY LIT AREAS). THIS PROACTIVE APPROACH ENABLES EFFICIENT PLANNING AND PREVENTIVE INFRASTRUCTURE MODIFICATIONS.

SILPAKORN UNIVERSITY HAS SYSTEMATICALLY INTEGRATED THE DEVELOPMENT OF ITS PHYSICAL ENVIRONMENT. THIS INCLUDES CREATING SEAMLESS PEDESTRIAN NETWORKS WITH COVERED WALKWAYS, ENHANCING SAFETY THROUGH HANDRAILS AND RAMPS BASED ON UNIVERSAL DESIGN, MANAGING TRAFFIC FLOWS VIA TRAM SYSTEM UPGRADES AND CLEAR ROAD MARKINGS, AND CONDUCTING ROUTINE PROACTIVE ROAD SAFETY INSPECTIONS.



THESE COLLECTIVE EFFORTS NOT ONLY SUBSTANTIALLY REDUCE ACCIDENT RATES BUT ALSO PROMOTE A GREEN, WALKING-FRIENDLY LIFESTYLE (WALKABILITY) AND FOSTER A CAMPUS ATMOSPHERE THAT IS HIGHLY LIVABLE, SAFE, AND WELCOMING FOR THE ENTIRE SILPAKORN COMMUNITY.

5.17 APPROXIMATE DAILY TRAVEL DISTANCE OF VEHICLES INSIDE THE CAMPUS ONLY (KM)

ระยะทางโดยประมาณในแต่ละวันของยานพาหนะภายในวิทยาเขต

3.3 KILOMER

5.18 IMPACT OF TRANSPORTATION PROGRAMS IN SUPPORTING THE SDGS

ผลกระทบของโครงการด้านการขนส่งในการสนับสนุนเป้าหมายการพัฒนาที่ยั่งยืน

SILPAKORN UNIVERSITY IS DEEPLY COMMITTED TO TRANSFORMING ITS CAMPUS TRANSIT ECOSYSTEM INTO A BENCHMARK FOR GREEN, SAFE, AND INCLUSIVE MOBILITY. BY INTEGRATING ADVANCED TECHNOLOGY, ZERO-EMISSION VEHICLE (ZEV) INFRASTRUCTURE, SMART LAND-USE PLANNING, AND UNIVERSAL ACCESSIBILITY, THE UNIVERSITY'S TRANSPORTATION PROGRAMS ACTIVELY DRIVE THE LOCAL IMPLEMENTATION OF THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGS).

KEY INITIATIVES SHOWING DEEP ALIGNMENT WITH GLOBAL SUSTAINABILITY STANDARDS INCLUDE:

- TRANSITIONING TO A 100% ZERO-EMISSION FLEET:** OPERATING 11 ELECTRIC SHUTTLE BUSES (SU SMART BUS) ACROSS BOTH CAMPUSES (6 AT SANAM CHANDRA PALACE AND 5 AT PHETCHABURI IT CAMPUS) [1], SUPPORTED BY ELECTRIC SCOOTERS AND SHARED ELECTRIC BICYCLES ("GO GO BIKE MY SAFE") [1]. THIS TRANSITION EFFECTIVELY ELIMINATES TAILPIPE EMISSIONS ON CAMPUS ROADS [1].

- SMART TECH-ENABLED MOBILITY (IOT AND GPS INTEGRATION):** DEPLOYING REAL-TIME TRANSIT TRACKING SYSTEMS [1] ACCESSIBLE VIA THE "TABKAEW BUS TRACKING" WEB PORTAL AND THE "DTC MOBILE V2" MOBILE APPLICATION (USING SECURE CREDENTIALS SU-01 TO SU-04). THIS REDUCES WAITING TIMES, INCREASES TRANSIT PREDICTABILITY, AND ENCOURAGES STUDENTS AND STAFF TO OPT FOR PUBLIC TRANSIT OVER PRIVATE VEHICLES [1].

- HIGHLY SUSTAINABLE LAND-USE AND PARKING DECOUPLING:** RESTRICTING THE CAMPUS PARKING FOOTPRINT TO JUST 1.97% OF THE TOTAL CAMPUS AREA (ONLY 33,627 M² OUT OF 1,707,582 M²), WHILE DEDICATING OVER 1.28 MILLION M² TO FOREST AND PLANTED VEGETATION. BY INSTALLING AUTOMATIC BARRIER GATES TO LIMIT STUDENT PARKING AND STRATEGICALLY PLACING PARKING ZONES OUTSIDE A 250-METER WALKING RADIUS (MAXIMUM 5-MINUTE WALK) FROM ACADEMIC BUILDINGS, THE UNIVERSITY ACTIVELY DISCOURAGES UNNECESSARY PRIVATE DRIVING.

- SOLAR-POWERED CHARGING INFRASTRUCTURE:** INTEGRATING CLEAN ENERGY GENERATION DIRECTLY INTO PHYSICAL INFRASTRUCTURE, EXEMPLIFIED BY INSTALLING SOLAR CELL PANELS OVER PARKING LOTS, SUCH AS THE OFFICE OF THE PRESIDENT PARKING AREA, TO OFFSET ENERGY CONSUMPTION.

- UNIVERSAL DESIGN AND PROACTIVE SAFETY:** RETROFITTING WALKWAYS WITH GENTLE WHEELCHAIR RAMPS, HANDRAILS, GUARDRAILS, AND COVERED PATHWAYS [2] TO SHIELD COMMUTERS FROM WEATHER EXTREMES. FURTHERMORE, THE UNIVERSITY CONDUCTS SYSTEMATIC ROAD SAFETY INSPECTIONS TO IDENTIFY AND RESOLVE TRAFFIC BLIND SPOTS [2].

- FAIR AND ORGANIZED LABOR MANAGEMENT:** ENSURING HIGH OCCUPATIONAL SAFETY AND FAIR SHIFTS FOR TRANSIT WORKERS THROUGH A STRUCTURED ELECTRIC TRAM DRIVER DUTY ROSTER (WITH PRE-SCHEDULED BREAK TIMES "X" AND SPLIT SHIFTS FOR DRIVERS SUCH AS BUNDIT, CHANNARONG, NIMIT, SOMKIAT, APICHAJ, AND SAMAN) TO PREVENT DRIVER FATIGUE AND ENSURE SAFE SERVICE DELIVERY.

SUSTAINABLE DEVELOPMENT GOALS



DETAILED SDG MAPPING & IMPACT ANALYSIS

SDG 3 – GOOD HEALTH AND WELL-BEING

- ACTIVE LIVING AND CLEAN AIR:** SHIFTING CAMPUS COMMUTES FROM PERSONAL COMBUSTION ENGINES TO ACTIVE TRANSPORT (SU BIKE LANE [1], WALKING PATHS [2]) AND ZEVS [1] DRASTICALLY REDUCES TOXIC LOCALIZED AIR POLLUTION (PM2.5, NOX), PROTECTING RESPIRATORY HEALTH.

- ROAD SAFETY & ACCIDENT REDUCTION:** CONDUCTING SYSTEMATIC ROAD SAFETY INSPECTIONS [2], INSTALLING HIGHLY VISIBLE TRAFFIC MARKINGS AND SYMBOLS [2], RENOVATING PEDESTRIAN PATHWAYS [2], AND OPTIMIZING ELECTRIC TRAM BAYS [2] SUBSTANTIALLY MINIMIZE VEHICLE-PEDESTRIAN CONFLICTS AND ROAD-TRAFFIC INJURIES.

SDG 4 – QUALITY EDUCATION

- EQUITABLE AND SAFE ACCESS TO EDUCATION:** PROVIDING FREE, RELIABLE, AND PREDICTABLE ELECTRIC SHUTTLE SERVICES [1] ENSURES THAT ALL STUDENTS, REGARDLESS OF THEIR SOCIO-ECONOMIC BACKGROUND, HAVE EASY AND TIMELY ACCESS TO CLASSROOMS, LIBRARIES, LABORATORIES, AND STUDY ZONES.

SDG 5 – GENDER EQUALITY

- SAFE NIGHT-TIME COMMUTES:** OPERATING WELL-LIT, RELIABLE ELECTRIC TRAM ROUTES [1] (RUNNING UP TO 8:00 PM AT PHETCHABURI CAMPUS [1]) WITH DESIGNATED BUS STOPS [1] AND SAFE WALKING LINKS [2] ENHANCES CAMPUS SECURITY AND REDUCES TRAVEL-RELATED HARASSMENT OR SAFETY RISKS FOR FEMALE STUDENTS AND STAFF DURING EVENING HOURS.

SDG 7 – AFFORDABLE AND CLEAN ENERGY

- CLEAN ENERGY INTEGRATION:** UTILIZING SOLAR CELL PANELS OVER PARKING STRUCTURES (SUCH AS THE OFFICE OF THE PRESIDENT PARKING LOT) DIRECTLY HARVESTS RENEWABLE ENERGY.

- TRANSITION TO CLEAN FUELS:** REPLACING FOSSIL FUELS WITH ELECTRIC POWER FOR CAMPUS-WIDE TRANSIT (ELECTRIC SHUTTLES, SCOOTERS, AND E-BIKES) [1] ACCELERATES THE ADOPTION OF CLEAN ENERGY.

SDG 8 – DECENT WORK AND ECONOMIC GROWTH

- OCCUPATIONAL SAFETY AND WELL-BEING:** IMPLEMENTING A SYSTEMATIC ELECTRIC TRAM DRIVER DUTY ROSTER WITH DESIGNATED BREAK TIMES ENSURES FAIR LABOR PRACTICES, PREVENTS PHYSICAL FATIGUE, AND SUPPORTS A DECENT, SUPPORTIVE WORKING ENVIRONMENT FOR CAMPUS TRANSIT STAFF.

SDG 9 – INDUSTRY, INNOVATION, AND INFRASTRUCTURE

- SMART CAMPUS INNOVATION:** USING IOT-BASED GPS TRACKING SYSTEMS (DTC MOBILE V2 APP) [1] AND AUTOMATIC BARRIER GATES FOR PARKING MANAGEMENT REPRESENTS A HIGH-TECH APPROACH TO CAMPUS-WIDE RESOURCE OPTIMIZATION.

- SUSTAINABLE RETROFITTING:** UPGRADING OLD WALKWAYS [2], ADDING COVERED LINKS [2], AND INSTALLING SOLAR INFRASTRUCTURE DEMONSTRATE RESILIENT AND INNOVATIVE INFRASTRUCTURE DESIGN.

SDG 10 – REDUCED INEQUALITIES

- UNIVERSAL ACCESSIBILITY:** ALIGNING PHYSICAL DEVELOPMENT WITH UNIVERSAL DESIGN STANDARDS—SUCH AS GENTLE WHEELCHAIR RAMPS AT BUILDING ENTRANCES [2] AND PROTECTIVE HANDRAILS/GUARDRAILS IN SPLIT-LEVEL AREAS [2]—GUARANTEES THAT STUDENTS AND VISITORS WITH DISABILITIES OR LIMITED MOBILITY CAN NAVIGATE THE CAMPUS SAFELY AND WITH DIGNITY.

SDG 11 – SUSTAINABLE CITIES AND COMMUNITIES

- EXCEPTIONAL LAND-USE EFFICIENCY:** RESERVING ONLY 1.97% OF CAMPUS LAND FOR PARKING, WHILE DEDICATING OVER 90% OF THE CAMPUS TO VEGETATION, ABSORPTION AREAS, AND OPEN SPACES, ESTABLISHES A HIGHLY SUSTAINABLE, RESILIENT MICRO-URBAN ENVIRONMENT.

- LOW VEHICLE DENSITY:** MAINTAINING A LOW RATIO OF 0.12 VEHICLES PER PERSON (JUST 12 VEHICLES PER 100 PEOPLE) THROUGH STRICT PARKING CONTROLS AND HIGH-CAPACITY ELECTRIC TRANSIT PREVENTS TRAFFIC CONGESTION AND CREATES A LIVABLE, PEDESTRIAN-FIRST CAMPUS COMMUNITY.

SDG 12 – RESPONSIBLE CONSUMPTION AND PRODUCTION

- SHARED MOBILITY OVER PRIVATE OWNERSHIP:** IMPLEMENTING BIKE-SHARING ("GO GO BIKE MY SAFE") [1], ELECTRIC SCOOTERS [1], AND SHARED ELECTRIC TRAMS [1] FOSTERS A CULTURE OF CIRCULAR, SHARED UTILITY, REDUCING THE DEMAND FOR RAW MATERIALS USED IN MANUFACTURING PERSONAL VEHICLES.

SDG 13 – CLIMATE ACTION

- CARBON FOOTPRINT REDUCTION:** DISPLACING PERSONAL CARS AND MOTORCYCLES [1] WITH A HIGH-CAPACITY ELECTRIC SHUTTLE SYSTEM (WHICH COMPLETES APPROXIMATELY 90 TRIPS/DAY ON WEEKDAYS AT PHETCHABURI CAMPUS [1]) PREVENTS TONS OF CO₂ EMISSIONS ANNUALLY, CONTRIBUTING DIRECTLY TO CLIMATE CHANGE MITIGATION.

SDG 15 – LIFE ON LAND

- ECOSYSTEM AND GREEN SPACE PRESERVATION:** RESTRICTING ASPHALT/CONCRETE PARKING SPACES TO 1.97% OF THE CAMPUS PREVENTS SOIL SEALING, MAINTAINS WATER ABSORPTION CAPACITY (259,320 M³), AND PROTECTS VAST NATURAL FOREST ZONES (595,382 M²) AND PLANTED AREAS (693,111 M²) WHICH SERVE AS HABITATS FOR LOCAL URBAN BIODIVERSITY.

SDG 17 – PARTNERSHIPS FOR THE GOALS

- TECH-DRIVEN COLLABORATIONS:** PARTNERING WITH GPS SOFTWARE DEVELOPERS (SUCH AS DTC MOBILE) [1] AND SUSTAINABLE MICRO-MOBILITY VENDORS ("GO GO BIKE") [1] DEMONSTRATES HOW PUBLIC-PRIVATE PARTNERSHIPS CAN BE SUCCESSFULLY LEVERAGED TO IMPLEMENT AND SCALE UP SUSTAINABLE URBAN MOBILITY SOLUTIONS.



6

UI-GREEN METRIC SUSTAINABILITY REPORT 2026

MAHAKORN UNIVERSITY

SANAM CHANDRA PALACE | PHETCHABURI INFORMATION TECHNOLOGY

ED EDUCATION AND RESEARCH



6.1 NUMBER OF COURSES/SUBJECTS RELATED TO SUSTAINABILITY OFFERED

จำนวนรายวิชา/วิชาที่เกี่ยวข้องกับความยั่งยืนที่เปิดสอน

Reg SU	Course	Department	Year
6000-001	ENVIRONMENTAL SCIENCE	ENVIRONMENTAL SCIENCE	2024-2025
6000-002	ENVIRONMENTAL SCIENCE AND SOCIETY	ENVIRONMENTAL SCIENCE	2024-2025
6000-003	ENVIRONMENTAL SCIENCE AND TECHNOLOGY	ENVIRONMENTAL SCIENCE	2024-2025
6000-004	ENVIRONMENTAL SCIENCE AND MANAGEMENT	ENVIRONMENTAL SCIENCE	2024-2025
6000-005	ENVIRONMENTAL SCIENCE AND POLICY	ENVIRONMENTAL SCIENCE	2024-2025
6000-006	ENVIRONMENTAL SCIENCE AND COMMUNITY DEVELOPMENT	ENVIRONMENTAL SCIENCE	2024-2025
6000-007	ENVIRONMENTAL SCIENCE AND INNOVATION	ENVIRONMENTAL SCIENCE	2024-2025
6000-008	ENVIRONMENTAL SCIENCE AND SUSTAINABLE DEVELOPMENT	ENVIRONMENTAL SCIENCE	2024-2025
6000-009	ENVIRONMENTAL SCIENCE AND CLIMATE CHANGE	ENVIRONMENTAL SCIENCE	2024-2025
6000-010	ENVIRONMENTAL SCIENCE AND RESOURCES	ENVIRONMENTAL SCIENCE	2024-2025
6000-011	ENVIRONMENTAL SCIENCE AND ENERGY	ENVIRONMENTAL SCIENCE	2024-2025
6000-012	ENVIRONMENTAL SCIENCE AND WASTE	ENVIRONMENTAL SCIENCE	2024-2025
6000-013	ENVIRONMENTAL SCIENCE AND POLLUTION	ENVIRONMENTAL SCIENCE	2024-2025
6000-014	ENVIRONMENTAL SCIENCE AND ECOSYSTEMS	ENVIRONMENTAL SCIENCE	2024-2025
6000-015	ENVIRONMENTAL SCIENCE AND BIODIVERSITY	ENVIRONMENTAL SCIENCE	2024-2025
6000-016	ENVIRONMENTAL SCIENCE AND LAND-USE	ENVIRONMENTAL SCIENCE	2024-2025
6000-017	ENVIRONMENTAL SCIENCE AND WATER	ENVIRONMENTAL SCIENCE	2024-2025
6000-018	ENVIRONMENTAL SCIENCE AND SOIL	ENVIRONMENTAL SCIENCE	2024-2025
6000-019	ENVIRONMENTAL SCIENCE AND AIR	ENVIRONMENTAL SCIENCE	2024-2025
6000-020	ENVIRONMENTAL SCIENCE AND CLIMATE	ENVIRONMENTAL SCIENCE	2024-2025

SILPAKORN UNIVERSITY RECOGNIZES THE IMPORTANCE OF ENVIRONMENTAL SUSTAINABILITY AS A FUNDAMENTAL FOUNDATION FOR EDUCATIONAL DEVELOPMENT AND SOCIAL RESPONSIBILITY. THE UNIVERSITY HAS THEREFORE INTEGRATED SUSTAINABILITY CONCEPTS INTO TEACHING AND LEARNING, RESEARCH, AND ACADEMIC SERVICES AT ALL LEVELS OF EDUCATION IN ORDER TO ENHANCE STUDENTS' KNOWLEDGE, SKILLS, AND AWARENESS REGARDING ENVIRONMENTAL CONSERVATION, SUSTAINABLE RESOURCE MANAGEMENT, CLIMATE CHANGE ADAPTATION, AND SUSTAINABLE DEVELOPMENT AT BOTH LOCAL AND GLOBAL LEVELS.

THE UNIVERSITY OFFERS ACADEMIC PROGRAMS AND COURSES RELATED TO ENVIRONMENTAL SUSTAINABILITY ACROSS A WIDE RANGE OF DISCIPLINES, INCLUDING ENVIRONMENTAL SCIENCE, ARCHITECTURE AND URBAN PLANNING, ANIMAL SCIENCE AND AGRICULTURAL TECHNOLOGY, ENGINEERING, MANAGEMENT SCIENCE, ARTS AND DESIGN, AS WELL AS SOCIAL SCIENCES. SUSTAINABILITY-RELATED TOPICS ARE INTEGRATED INTO BOTH THEORETICAL AND PRACTICAL LEARNING PROCESSES, ENABLING STUDENTS TO APPLY THEIR KNOWLEDGE TO SOLVING ENVIRONMENTAL PROBLEMS, CONSERVING NATURAL RESOURCES, MANAGING ENERGY AND WASTE, AND PROMOTING SUSTAINABLE COMMUNITY AND SOCIAL DEVELOPMENT IN PRACTICAL WAYS.

IN ADDITION, THE UNIVERSITY CONTINUOUSLY DEVELOPS AND IMPROVES ITS CURRICULA IN ALIGNMENT WITH THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGS), PARTICULARLY IN THE AREAS OF QUALITY EDUCATION, CLIMATE ACTION, SUSTAINABLE CITIES AND COMMUNITIES, AND RESPONSIBLE CONSUMPTION AND PRODUCTION. THROUGH INTERDISCIPLINARY LEARNING APPROACHES AND COLLABORATION AMONG FACULTIES AND EXTERNAL ORGANIZATIONS, THE UNIVERSITY AIMS TO PRODUCE GRADUATES WHO ARE ENVIRONMENTALLY RESPONSIBLE AND CAPABLE OF CONTRIBUTING TO SUSTAINABLE DEVELOPMENT AT BOTH NATIONAL AND GLOBAL LEVELS.

FURTHERMORE, THE UNIVERSITY PROMOTES SUSTAINABILITY CONCEPTS THROUGH STUDENT ACTIVITIES, ACADEMIC SERVICE PROJECTS, COMMUNITY ENGAGEMENT, AND RESEARCH INITIATIVES RELATED TO ENVIRONMENTAL CONSERVATION AND SUSTAINABLE DEVELOPMENT. THESE EFFORTS REFLECT THE UNIVERSITY'S STRONG COMMITMENT TO ADVANCING SUSTAINABILITY EDUCATION AND FOSTERING ENVIRONMENTAL AWARENESS AMONG STUDENTS AND SOCIETY AS A WHOLE.

TOTAL NUMBER OF ACADEMIC PROGRAMS RELATED TO ENVIRONMENTAL SUSTAINABILITY: 68 PROGRAMS

TOTAL NUMBER OF COURSES RELATED TO ENVIRONMENTAL SUSTAINABILITY: 225 COURSES

6.2 TOTAL NUMBER OF COURSES/SUBJECTS OFFERED

จำนวนหลักสูตร/รายวิชาที่เปิดสอนทั้งหมด

SILPAKORN UNIVERSITY OFFERS COURSES ACROSS ALL ACADEMIC DISCIPLINES AND DEGREE LEVELS, INCLUDING UNDER GRADUATE, MASTER'S, AND DOCTORAL PROGRAMS, REFLECTING THE UNIVERSITY'S COMMITMENT TO ENHANCING EDUCATIONAL QUALITY AND PROMOTING ACADEMIC DIVERSITY.

IN THE ACADEMIC YEAR 2026, THE UNIVERSITY OFFERED A TOTAL OF 215 COURSES, COMPARED WITH 212 COURSES IN 2024 AND 215 COURSES IN 2025. THIS DEMONSTRATES THE UNIVERSITY'S CONTINUOUS EFFORTS TO EXPAND LEARNING OPPORTUNITIES AND REVISE ITS CURRICULUM IN RESPONSE TO EMERGING FIELDS OF KNOWLEDGE AND THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGS).



TOTAL NUMBER OF COURSES OFFERED IN 2026: 215 COURSES.

6.3 TOTAL NUMBER OF STUDY PROGRAM RELATED TO SUSTAINABILITY OFFERED

จำนวนหลักสูตรการศึกษาด้านความยั่งยืนที่เปิดสอนทั้งหมด

SILPAKORN UNIVERSITY OFFERS 68 ACADEMIC PROGRAMS RELATED TO ENVIRONMENTAL SUSTAINABILITY ACROSS BACHELOR'S, MASTER'S, AND DOCTORAL LEVELS THROUGH VARIOUS FACULTIES, INCLUDING SCIENCE, ENGINEERING, ARTS, MANAGEMENT SCIENCE, ARCHITECTURE, AND PHARMACY. THESE PROGRAMS EMPHASIZE THE INTEGRATION OF ENVIRONMENTAL KNOWLEDGE, CLEAN ENERGY, RESOURCE CONSERVATION, GREEN INNOVATION, AND SUSTAINABLE COMMUNITY DEVELOPMENT. IN ADDITION, THEY PROMOTE INTERDISCIPLINARY LEARNING AND RESEARCH AIMED AT ADDRESSING ENVIRONMENTAL AND SOCIETAL CHALLENGES AT BOTH LOCAL AND GLOBAL LEVELS. ALL PROGRAMS ARE DESIGNED IN ALIGNMENT WITH THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGS) TO EQUIP GRADUATES WITH THE KNOWLEDGE, RESPONSIBILITY, AND CAPABILITIES NECESSARY TO DRIVE SOCIETY TOWARD A SUSTAINABLE FUTURE.

No.	Faculty	Educational Programs
1	Science	Bachelor of Science in Environmental Science
2		Bachelor of Science in Animal Science
3		Bachelor of Science in Chemistry
4		Bachelor of Science in Food Technology
5		Bachelor of Science in Fisheries Science
6		Bachelor of Science in Microbiology
7		Bachelor of Science in Applied Chemistry and Industrial Microbiology
8		Bachelor of Science in Biotechnology
9		Bachelor of Science in Biology
10		Bachelor of Science in Information Technology
11		Bachelor of Science in Digital Technology for Business
12		Bachelor of Science in Plant Production Technology
13		Bachelor of Science in Agriculture and Food Entrepreneurship
14		Master of Science in Environmental Science
15		Master of Science in Physics
16		Master of Science in Chemistry Education
17		Master of Science in Chemistry
18		Master of Science in Geography
19	Engineering	Master of Engineering in Mechanical Engineering
20		Bachelor of Engineering in Chemical Engineering
21		Bachelor of Engineering in Polymers and Polymer Materials Engineering
22		Bachelor of Engineering in Management and Logistics Engineering
23		Bachelor of Engineering in Bioprocess Engineering
24		Bachelor of Engineering in Industrial Engineering
25		Doctor of Philosophy in Energy Engineering
26	Arts	Bachelor of Arts in Geography
27		Bachelor of Arts in Community Development
28		Bachelor of Arts in Global Education
29		Bachelor of Arts in Tourism Management
30		Bachelor of Arts in European Studies (Interdisciplinary Program)
31		Bachelor of Arts in Archaeology
32		Bachelor of Arts in History
33		Bachelor of Arts in Philosophy
34		Bachelor of Arts in The Language
35		Bachelor of Arts in Educational Technology
36		Master of Arts in Intermedia Architecture and Built Environment
37		Master of Arts in Conservation of Art and Cultural Heritage (Interdisciplinary Program)
38		Master of Arts in Tourism, Hotel, and Event Management
39		Master of Arts in Architecture
40		Master of Arts in Public and Private Sector Management
41		Master of Arts in Architecture and Cultural Heritage Information Management (Interdisciplinary Program)
42		Master of Arts in Cultural Heritage Conservation and Management (Interdisciplinary Program)
43		Doctor of Philosophy in Intermedia Architecture and Built Environment
44		Doctor of Philosophy in Development Studies

6.4 THE RATIO OF SUSTAINABILITY-RELATED COURSES TO TOTAL COURSES/SUBJECTS

อัตราส่วนของหลักสูตรความยั่งยืนต่อทั้งหมดหลักสูตร/รายวิชาทั้งหมด

RATIO OF SUSTAINABILITY-RELATED COURSES TO TOTAL COURSES/SUBJECTS: 31.63%

6.5 TOTAL RESEARCH FUNDS DEDICATED TO SUSTAINABILITY RESEARCH (USD)

จำนวนเงินทุนวิจัยทั้งหมดที่จัดสรรสำหรับการวิจัยด้านความยั่งยืน

SILPAKORN UNIVERSITY HAS CONTINUOUSLY SUPPORTED SUSTAINABILITY-RELATED RESEARCH THROUGH ANNUAL RESEARCH FUNDING ALLOCATED ACROSS VARIOUS DISCIPLINES, INCLUDING ENVIRONMENTAL SCIENCE, SUSTAINABLE ARCHITECTURE, RENEWABLE ENERGY, GREEN TECHNOLOGY, WASTE MANAGEMENT, AND SUSTAINABLE COMMUNITY DEVELOPMENT. THESE RESEARCH ACTIVITIES AIM TO PROMOTE INNOVATION, DEVELOP PRACTICAL SOLUTIONS, AND CONTRIBUTE TO THE ACHIEVEMENT OF THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGS). THE UNIVERSITY DEMONSTRATES ITS STRONG COMMITMENT TO SUSTAINABILITY THROUGH CONTINUOUS INVESTMENT IN SUSTAINABILITY-RELATED RESEARCH. THE TOTAL RESEARCH FUNDS DEDICATED TO SUSTAINABILITY RESEARCH DURING THE PAST THREE YEARS WERE AS FOLLOWS:

- 2024: 4.45 MILLION USD
- 2025: 5.47 MILLION USD
- 2026: 5.02 MILLION USD

THE AVERAGE RESEARCH FUNDING DEDICATED TO SUSTAINABILITY-RELATED RESEARCH DURING 2024-2026 WAS APPROXIMATELY 4.98 MILLION USD PER YEAR. BASED ON THE EXCHANGE RATE OF 1 USD = 32.60 THAI BAHT (UPDATED ON MAY 17, 2026),

THE AVERAGE FUNDING WAS EQUIVALENT TO APPROXIMATELY 162 MILLION THAI BAHT PER YEAR.

6.6 TOTAL RESEARCH FUNDS (USD)

จำนวนเงินทุนวิจัยทั้งหมด

SILPAKORN UNIVERSITY HAS CONTINUOUSLY SUPPORTED SUSTAINABILITY-RELATED RESEARCH THROUGH ANNUAL RESEARCH FUNDING ALLOCATED ACROSS VARIOUS DISCIPLINES, INCLUDING ENVIRONMENTAL SCIENCE, SUSTAINABLE ARCHITECTURE, RENEWABLE ENERGY, GREEN TECHNOLOGY, WASTE MANAGEMENT, AND SUSTAINABLE COMMUNITY DEVELOPMENT. THESE RESEARCH ACTIVITIES AIM TO PROMOTE INNOVATION, DEVELOP PRACTICAL SOLUTIONS, AND CONTRIBUTE TO THE ACHIEVEMENT OF THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGS).

THE UNIVERSITY DEMONSTRATES ITS STRONG COMMITMENT TO SUSTAINABILITY THROUGH CONTINUOUS INVESTMENT IN SUSTAINABILITY-RELATED RESEARCH. DURING THE PERIOD 2024-2026, THE AVERAGE ANNUAL FUNDING ALLOCATED TO SUSTAINABILITY-RELATED RESEARCH WAS 4.98 MILLION USD. OVER THE SAME PERIOD, THE AVERAGE ANNUAL RESEARCH FUNDING FROM ALL SOURCES WAS 5.89 MILLION USD.

AS A RESULT, SUSTAINABILITY-RELATED RESEARCH FUNDING ACCOUNTED FOR **APPROXIMATELY 84.55% OF THE UNIVERSITY'S TOTAL RESEARCH FUNDING**. THIS HIGH PROPORTION REFLECTS SILPAKORN UNIVERSITY'S STRONG INSTITUTIONAL COMMITMENT TO ADVANCING SUSTAINABILITY-ORIENTED RESEARCH, FOSTERING INNOVATION, AND SUPPORTING THE ACHIEVEMENT OF THE SUSTAINABLE DEVELOPMENT GOALS (SDGS).

6.7 THE RATIO OF SUSTAINABILITY RESEARCH FUNDING TO TOTAL RESEARCH FUNDING

อัตราส่วนทุนวิจัยเพื่อความยั่งยืนต่อทุนวิจัยทั้งหมด

RATIO OF SUSTAINABILITY RESEARCH FUNDING TO TOTAL RESEARCH FUNDING: 84.55%

6.8 NUMBER OF LECTURERS AND RESEARCHERS IN ONE YEAR

จำนวนอาจารย์และนักวิจัยในหนึ่งปี

IN FISCAL YEAR 2026 (B.E. 2569), **SILPAKORN UNIVERSITY HAD A TOTAL OF 1,242 LECTURERS AND RESEARCHERS WORKING AT THE UNIVERSITY** THROUGHOUT THE ONE-YEAR PERIOD. THESE ACADEMIC STAFF MEMBERS PLAY A VITAL ROLE IN TEACHING AND LEARNING, CONDUCTING RESEARCH, AND CREATING KNOWLEDGE TO EFFECTIVELY AND CONTINUOUSLY SUPPORT THE UNIVERSITY'S MISSION.



KEY DISSEMINATION CHANNELS INCLUDE:

- **SURIC PROUND:** [HTTPS://WWW.FACEBOOK.COM/MEDIA/SET/?SET=A.1523937953067367&TYPE=3](https://www.facebook.com/MEDIA/SET/?SET=A.1523937953067367&TYPE=3)
- **EXTERNAL RESEARCH FUNDING INFORMATION:** [HTTPS://WWW.FACEBOOK.COM/MEDIA/SET/?SET=A.1523939749733854&TYPE=3](https://www.facebook.com/MEDIA/SET/?SET=A.1523939749733854&TYPE=3)
- **SURIC INSIGHT:** [HTTPS://WWW.FACEBOOK.COM/MEDIA/SET/?SET=A.1559896799471482&TYPE=3](https://www.facebook.com/MEDIA/SET/?SET=A.1559896799471482&TYPE=3)

THE CONTENT COVERS A WIDE RANGE OF DISCIPLINES, INCLUDING SCIENCE AND TECHNOLOGY, SOCIAL SCIENCES, HUMANITIES, AND ARTS AND DESIGN. THREE RESEARCH STORIES ARE PUBLISHED PER MONTH, ENABLING CONTINUOUS ACCESS TO KNOWLEDGE FOR FACULTY MEMBERS, STUDENTS, ALUMNI, AND THE GENERAL PUBLIC.

FOLLOW SURIC INSIGHT VIA:

- **FACEBOOK: SURIC SILPAKORN**
- **INSTAGRAM: SURIC SILPAKORN**

THESE INITIATIVES COLLECTIVELY STRENGTHEN THE UNIVERSITY'S ROLE IN RESEARCH COMMUNICATION, PUBLIC ENGAGEMENT, AND THE SUSTAINABLE DISSEMINATION OF KNOWLEDGE.

6.9 NUMBER OF SCHOLARLY PUBLICATIONS ON SUSTAINABILITY IN ONE YEAR

จำนวนผลงานตีพิมพ์ทางวิชาการด้านความยั่งยืนในหนึ่งปี

SILPAKORN UNIVERSITY HAS CONTINUOUSLY PROMOTED RESEARCH AND SCHOLARLY ACTIVITIES THAT CONTRIBUTE TO SUSTAINABLE DEVELOPMENT AND SUPPORT THE ACHIEVEMENT OF THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGS). THE UNIVERSITY EMPHASIZES INTERDISCIPLINARY KNOWLEDGE INTEGRATION TO CREATE POSITIVE IMPACTS ON SOCIETY, THE ECONOMY, AND THE ENVIRONMENT AT LOCAL, NATIONAL, AND GLOBAL LEVELS. DURING THE PERIOD FROM JUNE 2025 TO MAY 2026, **SILPAKORN UNIVERSITY PRODUCED A TOTAL OF 837 SCHOLARLY PUBLICATIONS RELATED TO SUSTAINABILITY.**

THESE PUBLICATIONS COVER A WIDE RANGE OF SUSTAINABILITY-RELATED ISSUES, REFLECTING THE UNIVERSITY'S COMMITMENT TO GENERATING KNOWLEDGE, INNOVATION, AND EVIDENCE-BASED SOLUTIONS TO ADDRESS SUSTAINABILITY CHALLENGES IN ALL DIMENSIONS. THE HIGHEST NUMBER OF PUBLICATIONS WAS RELATED TO SDG 3: GOOD HEALTH AND WELL-BEING, WITH 190 PUBLICATIONS, FOLLOWED BY SDG 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE (113 PUBLICATIONS), SDG 7: AFFORDABLE AND CLEAN ENERGY (94 PUBLICATIONS), AND SDG 12: RESPONSIBLE CONSUMPTION AND PRODUCTION (88 PUBLICATIONS).

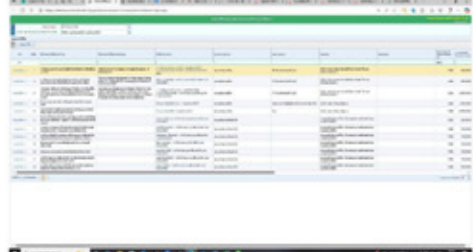
IN ADDITION, THE UNIVERSITY DEMONSTRATED STRONG RESEARCH PERFORMANCE IN SDG 8: DECENT WORK AND ECONOMIC GROWTH (69 PUBLICATIONS), SDG 4: QUALITY EDUCATION (49 PUBLICATIONS), SDG 13: CLIMATE ACTION (48 PUBLICATIONS), SDG 17: PARTNERSHIPS FOR THE GOALS (39 PUBLICATIONS), AND SDG 11: SUSTAINABLE CITIES AND COMMUNITIES (36 PUBLICATIONS). RESEARCH OUTPUTS WERE ALSO GENERATED IN AREAS RELATED TO POVERTY ALLEVIATION, FOOD SECURITY, CLEAN WATER MANAGEMENT, GENDER EQUALITY, REDUCED INEQUALITIES, PEACE AND JUSTICE, AND MARINE RESOURCE CONSERVATION.

OF THE TOTAL 837 SUSTAINABILITY-RELATED SCHOLARLY PUBLICATIONS, SILPAKORN UNIVERSITY PRODUCED RESEARCH OUTPUTS ALIGNED WITH 16 OF THE 17 SUSTAINABLE DEVELOPMENT GOALS (SDGS), DEMONSTRATING THE UNIVERSITY'S RESEARCH CAPACITY AND STRONG COMMITMENT TO ADVANCING SUSTAINABLE DEVELOPMENT THROUGH KNOWLEDGE CREATION AND INNOVATION. THESE PUBLICATIONS CONTRIBUTE SIGNIFICANTLY TO TECHNOLOGICAL ADVANCEMENT, PUBLIC POLICY DEVELOPMENT, QUALITY-OF-LIFE IMPROVEMENT, AND COLLABORATION WITH VARIOUS SECTORS TO SUPPORT LONG-TERM SUSTAINABLE DEVELOPMENT.

THESE SUSTAINABILITY-RELATED SCHOLARLY PUBLICATIONS HIGHLIGHT SILPAKORN UNIVERSITY'S IMPORTANT ROLE AS A HIGHER EDUCATION INSTITUTION DEDICATED TO GENERATING KNOWLEDGE AND INNOVATION FOR SUSTAINABLE DEVELOPMENT. THROUGH RESEARCH EXCELLENCE, INTERDISCIPLINARY COLLABORATION, AND THE DISSEMINATION OF KNOWLEDGE TO SOCIETY, THE UNIVERSITY ACTIVELY CONTRIBUTES TO THE ACHIEVEMENT OF THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS AT BOTH NATIONAL AND GLOBAL LEVELS.



OUT OF A TOTAL OF 1,356 ACADEMIC STAFF MEMBERS (SOURCE: HUMAN RESOURCES DIVISION, SILPAKORN UNIVERSITY, SANAM CHANDRA PALACE CAMPUS AND PHETCHABURI IT CAMPUS, ACADEMIC STAFF DATA AS OF 22 APRIL 2026), THIS REPRESENTS 91.59%, REFLECTING A HIGH PROPORTION OF ACTIVELY ENGAGED ACADEMIC PERSONNEL. THIS DEMONSTRATES THE UNIVERSITY'S STRONG HUMAN RESOURCE CAPACITY IN DRIVING TEACHING, RESEARCH, AND KNOWLEDGE CREATION IN A ROBUST AND SUSTAINABLE MANNER.

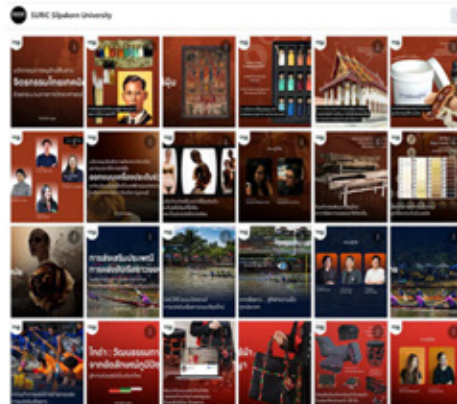


รหัสนักวิชาการ	ชื่อ-นามสกุล	ตำแหน่ง	สายงาน	สถานะ
1	ดร.สมชาย ใจดี	ศาสตราจารย์	สายงานวิจัย	ปฏิบัติงาน
2	ดร.สุวิทย์ ใจดี	ศาสตราจารย์	สายงานวิจัย	ปฏิบัติงาน
3	ดร.วิไล ใจดี	ศาสตราจารย์	สายงานวิจัย	ปฏิบัติงาน
4	ดร.นันทนา ใจดี	ศาสตราจารย์	สายงานวิจัย	ปฏิบัติงาน
5	ดร.นันทนา ใจดี	ศาสตราจารย์	สายงานวิจัย	ปฏิบัติงาน

IN ADDITION, THE UNIVERSITY HAS ESTABLISHED MULTIPLE COMMUNICATION CHANNELS TO DISSEMINATE NEWS, RESEARCH OUTPUTS, AND THE ACHIEVEMENTS OF RESEARCHERS WHO CONTRIBUTE TO ENHANCING THE UNIVERSITY'S REPUTATION AT BOTH NATIONAL AND INTERNATIONAL LEVELS. THESE CHANNELS ENSURE THAT INFORMATION IS WIDELY ACCESSIBLE AND EFFECTIVELY SHARED WITH THE PUBLIC, ACADEMIC COMMUNITY, AND RELEVANT STAKEHOLDERS.

SURIC INSIGHT PROJECT

THE OFFICE OF RESEARCH ADMINISTRATION, INNOVATION AND CREATIVITY (SURIC), SILPAKORN UNIVERSITY, HAS DEVELOPED "SURIC INSIGHT" AS A PLATFORM FOR COMMUNICATING AND DISSEMINATING RESEARCH OUTPUTS IN AN ACCESSIBLE AND CONCISE FORMAT.



SURIC INSIGHT PRESENTS COMPLETED RESEARCH PROJECTS UNDER SURIC SUPERVISION THROUGH POSTERS AND SHORT ARTICLES THAT SUMMARIZE KEY FINDINGS, SUPPORTING KNOWLEDGE TRANSFER AND APPLICATION IN ACADEMIC, SOCIAL, AND COMMUNITY CONTEXTS.

6.10 RATIO OF SUSTAINABILITY PUBLICATIONS TO LECTURERS AND RESEARCHERS

อัตราส่วนของผลงานตีพิมพ์ด้านความยั่งยืนต่อ
จำนวนอาจารย์และนักวิจัย

SILPAKORN UNIVERSITY DEMONSTRATES ITS COMMITMENT TO SUSTAINABILITY RESEARCH BY PRODUCING 837 SUSTAINABILITY-RELATED SCHOLARLY PUBLICATIONS FROM 1,242 LECTURERS AND RESEARCHERS, RESULTING IN AN AVERAGE OF 0.67 SUSTAINABILITY-RELATED PUBLICATIONS PER ACADEMIC STAFF MEMBER DURING THE FISCAL YEAR JUNE 2025 – MAY 2026.

6.11 NUMBER OF SUSTAINABILITY-RELATED EVENTS

จำนวนกิจกรรมที่เกี่ยวข้องกับความยั่งยืน

SILPAKORN UNIVERSITY IS COMMITTED TO PROMOTING SUSTAINABILITY AWARENESS, KNOWLEDGE SHARING, AND ACTIVE PARTICIPATION AMONG STUDENTS, STAFF, AND THE WIDER COMMUNITY THROUGH A BROAD RANGE OF SUSTAINABILITY-RELATED ACTIVITIES ORGANIZED CONTINUOUSLY BY FACULTIES, DEPARTMENTS, AND SUPPORTING UNITS ACROSS ALL CAMPUSES.

THESE ACTIVITIES ADDRESS VARIOUS DIMENSIONS OF SUSTAINABLE DEVELOPMENT, INCLUDING ENVIRONMENTAL CONSERVATION, CLIMATE ACTION, WASTE MANAGEMENT, RESOURCE EFFICIENCY, HEALTH AND WELL-BEING, COMMUNITY ENGAGEMENT, CULTURAL PRESERVATION, SOCIAL RESPONSIBILITY, SUSTAINABLE INNOVATION, AND EDUCATION FOR SUSTAINABLE DEVELOPMENT. EXAMPLES INCLUDE GREEN OFFICE AND GREEN LIBRARY INITIATIVES, CARBON FOOTPRINT TRAINING, RECYCLING CAMPAIGNS, ENVIRONMENTAL WORKSHOPS, COMMUNITY DEVELOPMENT PROJECTS, VOLUNTEER PROGRAMS, SUSTAINABILITY COMPETITIONS, AND SDGs KNOWLEDGE-SHARING ACTIVITIES.



EXAMPLES OF SUSTAINABILITY-RELATED PROJECTS AND ACTIVITIES ALIGNED WITH THE SUSTAINABLE DEVELOPMENT GOALS (SDGs)

[HTTPS://SUSTAINABILITY.SU.AC.TH/?PAGE_ID=2658](https://sustainability.su.ac.th/?PAGE_ID=2658)



SILPAKORN HACKATHON 2025 A COMPETITION THAT BRINGS STUDENTS TOGETHER TO BRAINSTORM AND DESIGN ART-BASED INNOVATIONS FOR SUSTAINABLE DEVELOPMENT. PARTICIPANTS WILL HAVE THE OPPORTUNITY TO CREATE INNOVATIVE SOLUTIONS THAT ENHANCE QUALITY OF LIFE, SOCIETY, AND THE ENVIRONMENT, WHILE ALIGNING WITH ONE OF THE 17 SUSTAINABLE DEVELOPMENT GOALS (SDGs) OF THE UNITED NATIONS. WORKSHOP ON 13 DECEMBER 2025.

[HTTPS://WWW.FACEBOOK.COM/SHARE/P/1M3FHBXOWR/](https://www.facebook.com/share/p/1M3FHBXOWR/)

ขอเชิญชวนคณาจารย์และบุคลากร
มหาวิทยาลัยศิลปากร วิทยาเขตเพชรบุรี
เข้าร่วมอบรมให้ความรู้และสร้างความเข้าใจ
การดำเนินงานสำนักงานสีเขียว
(Green Office)

หัวข้อที่น่าสนใจ

- ความสำคัญของสำนักงานสีเขียว
- การวัดผลและเกณฑ์การประเมิน
- การจัดการของเสียและของเสีย
- การจัดการพลังงานที่เป็นมิตร
- การเป็นกลางทางคาร์บอน (Carbon Neutrality)
- การเชื่อมกรรณ

ในวันพฤหัสบดีที่ 28 พฤษภาคม พ.ศ.2569
ลงทะเบียนเวลา 13.00 น.
ณ ห้องประชุมใหญ่ ชั้น 2 อาคารเรียนรวม 2
เพื่อโลก เพื่อเรา เพื่อสิ่งแวดล้อม

[HTTPS://WWW.FACEBOOK.COM/SHARE/P/1JDFBQCJQE/](https://www.facebook.com/share/p/1JDFBQCJQE/)

SILPAKORN UNIVERSITY, PHETCHABURI IT CAMPUS, ORGANIZED A GREEN OFFICE TRAINING SESSION ON 28 MAY 2026 TO PROMOTE ENVIRONMENTAL AWARENESS, EFFICIENT RESOURCE USE, AND STAFF PARTICIPATION IN SUSTAINABLE WORKPLACE PRACTICES.

[HTTPS://WWW.FACEBOOK.COM/SHARE/P/1JDFBQCJQE/](https://www.facebook.com/share/p/1JDFBQCJQE/)



10 JUNE 2026, SILPAKORN UNIVERSITY'S PHETCHABURI CAMPUS OFFICE ORGANIZED A TRAINING PROGRAM ON "WASTE MANAGEMENT AND THE USE OF ENVIRONMENTALLY FRIENDLY PRODUCTS" TO ENHANCE KNOWLEDGE OF WASTE SEGREGATION, WASTE REDUCTION, RESOURCE REUSE, AND ENVIRONMENTALLY RESPONSIBLE PRACTICES AMONG OPERATIONAL STAFF. THE ACTIVITY FORMS PART OF THE UNIVERSITY'S EFFORTS TO ADVANCE ITS GREEN UNIVERSITY INITIATIVE AND PROMOTE SUSTAINABLE DEVELOPMENT.

[HTTPS://WWW.FACEBOOK.COM/SHARE/P/1D4YIARQ4I/](https://www.facebook.com/share/p/1D4YIARQ4I/)



SILPAKORN UNIVERSITY PROUDLY CELEBRATES A REMARKABLE ACHIEVEMENT IN SUSTAINABLE DEVELOPMENT, ADVANCING FROM THE 601-800 RANKING BAND IN THE PREVIOUS YEAR TO THE 201-300 RANKING BAND GLOBALLY IN THE SUSTAINABILITY IMPACT RATINGS 2026.

[HTTPS://WWW.TIMESHIGHIEREDUCATION.COM/WORLD-UNIVERSITY-RANKINGS/SILPAKORN-UNIVERSITY](https://www.timeshighereducation.com/world-university-rankings/silpakorn-university)



THROUGH THESE INITIATIVES, THE UNIVERSITY ACTIVELY CONTRIBUTES TO THE ACHIEVEMENT OF THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGs) WHILE FOSTERING A CULTURE OF SUSTAINABILITY WITHIN THE UNIVERSITY AND SURROUNDING COMMUNITIES. THE NUMBER OF SUSTAINABILITY-RELATED EVENTS HAS SHOWN CONTINUOUS GROWTH, REFLECTING THE UNIVERSITY'S ONGOING COMMITMENT TO SUSTAINABLE DEVELOPMENT.

THE TOTAL NUMBER OF SUSTAINABILITY-RELATED EVENTS ORGANIZED BY SILPAKORN UNIVERSITY IS AS FOLLOWS:

- 2024: 97 EVENTS
- 2025: 112 EVENTS
- 2026: 124 EVENTS

6.12 STUDENT ORGANISATION ACTIVITIES RELATED TO SUSTAINABILITY PER YEAR

จำนวนกิจกรรมขององค์กรนักศึกษาที่เกี่ยวข้องกับความยั่งยืนต่อปี



SILPAKORN UNIVERSITY ACTIVELY PROMOTES STUDENT PARTICIPATION IN SUSTAINABLE DEVELOPMENT THROUGH THE CONTINUOUS EFFORTS OF THE STUDENT ORGANIZATION, STUDENT COUNCIL, AND FACULTY-BASED STUDENT ASSOCIATIONS ACROSS ALL CAMPUSES. THROUGHOUT THE ACADEMIC YEAR, MORE THAN 50 STUDENT-LED ACTIVITIES AND PROJECTS HAVE BEEN ORGANIZED TO FOSTER SOCIAL RESPONSIBILITY, LEADERSHIP DEVELOPMENT, COMMUNITY ENGAGEMENT, ENVIRONMENTAL CONSERVATION, CULTURAL PRESERVATION, AND CONTRIBUTIONS TO SOCIETY.

THESE INITIATIVES COVER A WIDE RANGE OF SUSTAINABILITY THEMES, INCLUDING VOLUNTEER AND COMMUNITY DEVELOPMENT CAMPS, EDUCATIONAL OUTREACH PROGRAMS, ENVIRONMENTAL CONSERVATION ACTIVITIES, STUDENT LEADERSHIP DEVELOPMENT PROGRAMS, CULTURAL HERITAGE PRESERVATION PROJECTS, PUBLIC HEALTH CAMPAIGNS, ETHICS AND TRANSPARENCY PROMOTION INITIATIVES, CREATIVE ART EXHIBITIONS, AND COMMUNITY SERVICE ACTIVITIES. NOTABLE EXAMPLES INCLUDE THE SILPAKORN VOLUNTEER DONATION CAMPAIGN, RAJOROS-SILPAKORN VOLUNTEER DEVELOPMENT CAMP, ENGINEERING VOLUNTEER CAMP FOR COMMUNITY DEVELOPMENT, ARTS FOR COMMUNITY PROJECT, REFOREST EXHIBITION, ENVIRONMENTAL SCIENCE STUDENT AFFAIRS SEMINAR, SUP LEADERSHIP SUMMIT, AND THE SILPAKORN PHETCHABURI VESSANTARA JATAKA SERMON FESTIVAL AND EDUCATIONAL MERIT-MAKING PROJECT. THESE ACTIVITIES PROVIDE STUDENTS WITH VALUABLE OPPORTUNITIES TO APPLY THEIR ACADEMIC KNOWLEDGE AND PRACTICAL SKILLS IN REAL-WORLD SETTINGS WHILE STRENGTHENING COLLABORATION WITH SCHOOLS, LOCAL COMMUNITIES, GOVERNMENT AGENCIES, AND PRIVATE-SECTOR PARTNERS. THROUGH ACTIVE PARTICIPATION, STUDENTS DEVELOP LEADERSHIP SKILLS, VOLUNTEER SPIRIT, ETHICAL VALUES, ENVIRONMENTAL AWARENESS, CULTURAL UNDERSTANDING, AND SOCIAL RESPONSIBILITY, ALL OF WHICH ARE ESSENTIAL ATTRIBUTES OF RESPONSIBLE GLOBAL CITIZENS.

THESE EFFORTS REFLECT SILPAKORN UNIVERSITY'S COMMITMENT TO SUSTAINABLE DEVELOPMENT AND CONTRIBUTE TO MULTIPLE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGs), PARTICULARLY SDG 3 (GOOD HEALTH AND WELL-BEING), SDG 4 (QUALITY EDUCATION), SDG 7 (AFFORDABLE AND CLEAN ENERGY), SDG 10 (REDUCED INEQUALITIES), SDG 11 (SUSTAINABLE CITIES AND COMMUNITIES), SDG 12 (RESPONSIBLE CONSUMPTION AND PRODUCTION), SDG 13 (CLIMATE ACTION), SDG 15 (LIFE ON LAND), SDG 16 (PEACE, JUSTICE AND STRONG INSTITUTIONS), AND SDG 17 (PARTNERSHIPS FOR THE GOALS).



THE STUDENT ORGANIZATION OF SILPAKORN UNIVERSITY, SANAM CHANDRA PALACE CAMPUS, ORGANIZED THE "SILPAKORN VOLUNTEER 2025" DONATION CAMPAIGN FROM 15-17 OCTOBER 2025 TO SUPPORT STUDENTS AT DONTONGRAT WITTAYA SCHOOL, LOBPURI PROVINCE. THE PROJECT ENCOURAGED THE DONATION OF CLOTHING, SCHOOL UNIFORMS, AND EDUCATIONAL SUPPLIES, FOSTERING VOLUNTEERISM, SOCIAL RESPONSIBILITY, AND A CULTURE OF SHARING AMONG STUDENTS AND THE UNIVERSITY COMMUNITY.

THE INITIATIVE CONTRIBUTED TO SDG 4 (QUALITY EDUCATION) BY SUPPORTING ACCESS TO EDUCATIONAL RESOURCES.

SDG 10 (REDUCED INEQUALITIES) BY ASSISTING DISADVANTAGED STUDENTS.

SDG 17 (PARTNERSHIPS FOR THE GOALS) THROUGH COLLABORATION BETWEEN THE UNIVERSITY AND LOCAL COMMUNITIES.

[HTTPS://WWW.FACEBOOK.COM/SHARE/1HBNUXATJM/](https://www.facebook.com/share/1HBNUXATJM/)



SILPAKORN UNIVERSITY, THROUGH THE STUDENT ORGANIZATION OF SANAM CHANDRA PALACE CAMPUS IN COLLABORATION WITH THE DEPARTMENT OF PHILOSOPHY, FACULTY OF ARTS, ORGANIZED THE 3RD GANESH CHATURTHI FESTIVAL FROM 28-30 AUGUST 2025. THE EVENT PROMOTED CULTURAL HERITAGE PRESERVATION, LIFELONG LEARNING, AND COMMUNITY ENGAGEMENT THROUGH CULTURAL AND EDUCATIONAL ACTIVITIES.

THE INITIATIVE CONTRIBUTED TO SDG 4 (QUALITY EDUCATION), SDG 11 (SUSTAINABLE CITIES AND COMMUNITIES), AND SDG 17 (PARTNERSHIPS FOR THE GOALS) BY FOSTERING CULTURAL AWARENESS, PRESERVING CULTURAL HERITAGE, AND STRENGTHENING COLLABORATION BETWEEN THE UNIVERSITY AND COMMUNITY PARTNERS.

[HTTPS://WWW.FACEBOOK.COM/SHARE/P/1ERGHKWUYK/](https://www.facebook.com/share/p/1ERGHKWUYK/)



14-15 MARCH 2026, THE DEPARTMENT OF ENVIRONMENTAL SCIENCE ORGANIZED THE ENVIRONMENTAL SCIENCE STUDENT AFFAIRS SEMINAR. THE SEMINAR AIMED TO PROVIDE A PLATFORM FOR STUDENT COMMITTEE MEMBERS FROM ALL YEAR LEVELS TO MEET, DISCUSS, PLAN ACTIVITIES, ASSIGN RESPONSIBILITIES, AND EXCHANGE IDEAS IN PREPARATION FOR IMPLEMENTING THE DEPARTMENT'S STUDENT ACTIVITY PLANS THROUGHOUT THE ACADEMIC YEAR.

IN ADDITION, STUDENTS PARTICIPATED IN HANDS-ON LEARNING ACTIVITIES ON SUSTAINABLE ENVIRONMENTAL MANAGEMENT AT THE CIRCULAR ECONOMY LEARNING CENTER, THE LEGACY RIVER KWAI RESORT. THESE ACTIVITIES INCLUDED COMPOSTING FOOD WASTE, PRODUCING SOIL FROM FALLEN LEAVES, GROWING ORGANIC VEGETABLES, AND CONVERTING PLASTIC WASTE INTO OIL. THE PROGRAM ENHANCED STUDENTS' KNOWLEDGE AND UNDERSTANDING OF SUSTAINABLE ENVIRONMENTAL PRACTICES AND CIRCULAR ECONOMY PRINCIPLES.

[HTTPS://ENVI.SC.SU.AC.TH/ACT/1818/](https://envi.sc.su.ac.th/act/1818/)



THE STUDENT UNION OF THE FACULTY OF ENGINEERING AND INDUSTRIAL TECHNOLOGY ORGANIZED THE "ENGINEERING UNITY" PROJECT FOR THE 2025 ACADEMIC YEAR ON 18 OCTOBER 2025 AT BANG KACHAO, SAMUT PRAKAN PROVINCE. THE PROJECT AIMED TO PROMOTE ENVIRONMENTAL AWARENESS, TEAMWORK, AND STUDENT ENGAGEMENT THROUGH EXPERIENTIAL LEARNING AND COMMUNITY-BASED ACTIVITIES. THE PROGRAM FEATURED A VARIETY OF ACTIVITIES, INCLUDING SEEDLING CULTIVATION, WASTE COLLECTION, EDUCATIONAL EXHIBITION VISITS, AND HANDS-ON WORKSHOPS. THESE ACTIVITIES ENCOURAGED STUDENTS TO DEVELOP ENVIRONMENTAL RESPONSIBILITY WHILE STRENGTHENING COLLABORATION AND ACTIVE PARTICIPATION IN SUSTAINABLE COMMUNITY DEVELOPMENT.

[HTTPS://WWW.FACEBOOK.COM/SHARE/P/18LZDCIPZY/](https://www.facebook.com/share/p/18LZDCIPZY/)



5 MARCH 2026, THE STUDENT ASSOCIATION OF THE FACULTY OF MANAGEMENT SCIENCE, SILPAKORN UNIVERSITY, ORGANIZED THE "SUMS TO HEART: SHARING LOVE THROUGH OUR HANDS" INITIATIVE AT CHA-AM HOSPITAL, PHETCHABURI PROVINCE. STUDENT REPRESENTATIVES DONATED REHABILITATION BANDS, SUPPORT PILLOWS, AND IV LINE CUSHIONS THAT HAD BEEN HANDMADE DURING A STUDENT WORKSHOP HELD ON 10-12 FEBRUARY 2026.

[HTTPS://WWW.FACEBOOK.COM/SHARE/P/1BE96L7YF3/](https://www.facebook.com/share/p/1BE96L7YF3/)

6.13 NUMBER OF CULTURAL ACTIVITIES ON CAMPUS

จำนวนกิจกรรมทางวัฒนธรรมภายในวิทยาเขต

SILPAKORN UNIVERSITY PLACES GREAT IMPORTANCE ON THE PRESERVATION, PROMOTION, AND TRANSMISSION OF CULTURAL HERITAGE THROUGH A WIDE RANGE OF CULTURAL, RELIGIOUS, ARTISTIC, AND TRADITIONAL ACTIVITIES ORGANIZED THROUGHOUT THE ACADEMIC YEAR. BETWEEN JUNE 2025 AND MAY 2026, THE UNIVERSITY ORGANIZED MORE THAN 10 CULTURAL-RELATED ACTIVITIES AND PROJECTS, DEMONSTRATING ITS STRONG COMMITMENT TO FOSTERING CULTURAL AWARENESS, PRESERVING THAI TRADITIONS, AND PROMOTING LEARNING THROUGH CULTURAL ENGAGEMENT.



THESE ACTIVITIES WERE ORGANIZED BY VARIOUS FACULTIES AND ADMINISTRATIVE UNITS, INCLUDING THE OFFICE OF THE PRESIDENT, THE DIVISION OF STUDENT AFFAIRS, THE FACULTY OF EDUCATION, THE FACULTY OF DECORATIVE ARTS, AND OTHER ACADEMIC AND ADMINISTRATIVE UNITS. THE INITIATIVES COVERED A BROAD SPECTRUM OF CULTURAL DIMENSIONS, INCLUDING MERIT-MAKING AND ALMSGIVING CEREMONIES, BUDDHIST AND ROYAL COMMEMORATIVE EVENTS, WAI KRU CEREMONIES, SONGKRAN AND LOY KRATHONG FESTIVALS, CULTURAL PRESERVATION PROJECTS, AND ACTIVITIES HONORING DISTINGUISHED FIGURES IN THAI ART AND EDUCATION.

THROUGH THESE INITIATIVES, SILPAKORN UNIVERSITY PROMOTES RESPECT FOR CULTURAL DIVERSITY, STRENGTHENS INSTITUTIONAL IDENTITY AND COMMUNITY ENGAGEMENT, PRESERVES BOTH TANGIBLE AND INTANGIBLE CULTURAL HERITAGE, AND ENCOURAGES LIFELONG LEARNING ROOTED IN THAI VALUES AND TRADITIONS.

THE EXAMPLES PRESENTED DEMONSTRATE SILPAKORN UNIVERSITY'S CONTINUOUS COMMITMENT TO SAFEGUARDING CULTURAL HERITAGE, STRENGTHENING SOCIAL COHESION, AND FOSTERING SUSTAINABLE CULTURAL DEVELOPMENT THROUGH THE ACTIVE PARTICIPATION OF STUDENTS, STAFF, ALUMNI, AND THE WIDER COMMUNITY.

RELATED SDGs:

- SDG 3: GOOD HEALTH AND WELL-BEING
- SDG 4: QUALITY EDUCATION
- SDG 11: SUSTAINABLE CITIES AND COMMUNITIES
- SDG 16: PEACE, JUSTICE AND STRONG INSTITUTIONS



THE DIVISION OF STUDENT AFFAIRS ORGANIZED A MERIT-MAKING CEREMONY ON 25 DECEMBER 2025 AS PART OF THE "JOYFUL, FUN, AND HAPPY NEW YEAR CELEBRATION" PROJECT. THE ACTIVITY PROMOTED SPIRITUAL WELL-BEING, PRESERVED THAI CULTURAL TRADITIONS, AND STRENGTHENED UNITY, POSITIVE RELATIONSHIPS, AND A SENSE OF COMMUNITY AMONG UNIVERSITY STAFF.

[HTTPS://WWW.FACEBOOK.COM/KONGKIT-SU/POSTS/1325933359335288/](https://www.facebook.com/kongkit-su/posts/1325933359335288/)



"EDUCATION UNITED IN PRESERVING THAI TRADITIONS: CANDLE PROCESSION FOR BUDDHIST LENT" PROJECT ON 6 JULY 2025, THE FACULTY OF EDUCATION, SILPAKORN UNIVERSITY ORGANIZED THE "EDUCATION UNITED IN PRESERVING THAI TRADITIONS: CANDLE PROCESSION FOR BUDDHIST LENT" PROJECT AT WAT PHRA NGAM ROYAL MONASTERY, MUEANG NAKHON PATHOM DISTRICT, NAKHON PATHOM PROVINCE. THE PROJECT AIMED TO PRESERVE AND PROMOTE THAILAND'S VALUABLE BUDDHIST TRADITIONS IN CELEBRATION OF BUDDHIST LENT, AN IMPORTANT RELIGIOUS OBSERVANCE DURING WHICH BUDDHISTS MAKE MERIT, OFFER CANDLES, AND SUPPORT THE BUDDHIST COMMUNITY.

[HTTPS://WWW.FACEBOOK.COM/SMOEDU-SU/POSTS/1047709087498814](https://www.facebook.com/smoedu-su/posts/1047709087498814)



7 AUGUST 2025 WAI KRU CEREMONY FOR ART AND CRAFT TEACHERS, FACULTY OF DECORATIVE ARTS, ACADEMIC YEAR 2025

SILPA BHIRASRI BUILDING 3, FACULTY OF DECORATIVE ARTS, SILPAKORN UNIVERSITY, SANAM CHANDRA PALACE CAMPUS

A TRADITIONAL CEREMONY HELD TO EXPRESS GRATITUDE AND RESPECT TO ART, CRAFT, AND DESIGN TEACHERS, WHILE PRESERVING THAILAND'S ARTISTIC AND CULTURAL HERITAGE. THE EVENT ALSO SUPPORTS THE CONTINUATION AND TRANSMISSION OF CREATIVE KNOWLEDGE AND CULTURAL VALUES ACROSS GENERATIONS.

[HTTPS://WWW.FACEBOOK.COM/DEC.SILPAKORN/POSTS/1180958497403471](https://www.facebook.com/dec.silpakorn/posts/1180958497403471)



FACULTY OF EDUCATION, SILPAKORN UNIVERSITY ORGANIZES THE PROJECT "ALMSGIVING FOR HAPPINESS" 2024-PRESENT / EVERY WEDNESDAY

THE FACULTY OF EDUCATION, SILPAKORN UNIVERSITY HAS CONTINUOUSLY ORGANIZED THE "ALMSGIVING FOR HAPPINESS" PROJECT SINCE 2024 TO THE PRESENT, HELD EVERY WEDNESDAY. THE ACTIVITY AIMS TO PROMOTE PHYSICAL AND MENTAL WELL-BEING AMONG STAFF AND STUDENTS THROUGH A SIMPLE AND AUSPICIOUS ALMSGIVING CEREMONY.

[HTTPS://EDUC.SU.AC.TH/NEWS-10799/](https://educ.su.ac.th/news-10799/)



25 NOVEMBER 2025

SILPAKORN UNIVERSITY ORGANIZED A ROYAL TRIBUTE CEREMONY AND COMMEMORATIVE ACTIVITIES FOR KING VAJIRAVUDH DAY, PRESIDED OVER BY PROFESSOR DR. THANASET NGAWHIRUNPHAT, PRESIDENT OF SILPAKORN UNIVERSITY. THE EVENT WAS ATTENDED BY UNIVERSITY EXECUTIVES, FACULTY MEMBERS, STUDENTS, AND STAFF TO COMMEMORATE THE BENEVOLENCE AND CONTRIBUTIONS OF HIS MAJESTY KING VAJIRAVUDH (RAMA VI).

THE ACTIVITY REFLECTED THE UNIVERSITY'S COMMITMENT TO PRESERVING INSTITUTIONAL TRADITIONS, PROMOTING UNITY, AND FOSTERING AWARENESS OF HISTORY, CULTURE, AND NATIONAL IDENTITY AMONG MEMBERS OF THE UNIVERSITY COMMUNITY.

[HTTPS://WWW.FACEBOOK.COM/SHARE/P/18XMF8HMQ](https://www.facebook.com/share/p/18XMF8HMQ)



24 NOVEMBER 2025

CENTENARY COMMEMORATION OF HER ROYAL HIGHNESS PRINCESS BEJARATANA RAJASUDA SIRISOBHABANNAVADI

THE STUDENT AFFAIRS DIVISION, SILPAKORN UNIVERSITY, ORGANIZED A ROYAL TRIBUTE AND MERIT-MAKING CEREMONY TO COMMEMORATE THE 100TH BIRTH ANNIVERSARY OF HER ROYAL HIGHNESS PRINCESS BEJARATANA RAJASUDA SIRISOBHABANNAVADI. UNIVERSITY EXECUTIVES, FACULTY MEMBERS, STAFF, AND STUDENTS PARTICIPATED IN THE CEREMONY TO EXPRESS THEIR LOYALTY, PAY TRIBUTE TO HER GRACIOUS CONTRIBUTIONS, AND PROMOTE THE PRESERVATION OF THAI CULTURAL TRADITIONS.

[HTTPS://WWW.FACEBOOK.COM/SHARE/P/12BKK5AES5](https://www.facebook.com/share/p/12BKK5AES5)

6.14 UNIVERSITY SUSTAINABILITY PROGRAMS WITH INTERNATIONAL COLLABORATION

โครงการด้านความยั่งยืนของมหาวิทยาลัยที่มีความร่วมมือในระดับนานาชาติ

SILPAKORN UNIVERSITY HAS CONTINUOUSLY IMPLEMENTED SUSTAINABILITY-RELATED ACTIVITIES IN COLLABORATION WITH INTERNATIONAL PARTNERS. IT CONDUCTS MORE THAN 10 SUSTAINABILITY PROGRAMS WITH INTERNATIONAL COLLABORATION PER YEAR, COVERING EDUCATION, RESEARCH, ARTS AND CULTURE, INNOVATION, AND SUSTAINABLE DEVELOPMENT.

THESE PROGRAMS ARE CARRIED OUT IN COOPERATION WITH PARTNER UNIVERSITIES, RESEARCH INSTITUTIONS, AND INTERNATIONAL NETWORKS FROM VARIOUS COUNTRIES, INCLUDING JAPAN, CHINA, THE UNITED STATES, FRANCE, SINGAPORE, AND ASEAN COUNTRIES. THE INITIATIVES FOCUS ON KNOWLEDGE EXCHANGE, STUDENT SKILL DEVELOPMENT, ACADEMIC NETWORKING, AND THE ADVANCEMENT OF THE SUSTAINABLE DEVELOPMENT GOALS (SDGs).

KEY EXAMPLES OF THESE PROGRAMS INCLUDE:

- THE INTERNATIONAL CONFERENCE ON ARTS AND SUSTAINABILITY (SICTAS 2026)
- THAILAND-US AND ASEAN PHARMACY COLLABORATION PROGRAMS
- INTERNATIONAL SUMMER SCHOOLS ACROSS MULTIPLE FACULTIES
- INTERNATIONAL CONFERENCES AND SEMINARS IN EDUCATION, ENGINEERING, ARCHITECTURE, AND HERITAGE STUDIES
- INTERNATIONAL CULTURAL EXCHANGE PROGRAMS IN ARTS AND MUSIC
- OVERSEAS PRESENTATIONS OF RESEARCH AND INNOVATION PROJECTS

OVERALL, THESE INITIATIVES REFLECT SILPAKORN UNIVERSITY'S COMMITMENT TO PROMOTING: SDG 4 (QUALITY EDUCATION), SDG 9 (INDUSTRY, INNOVATION AND INFRASTRUCTURE), SDG 11 (SUSTAINABLE CITIES AND COMMUNITIES), SDG 16 (PEACE, JUSTICE AND STRONG INSTITUTIONS), AND SDG 17 (PARTNERSHIPS FOR THE GOALS).



1. SICTAS 2026 BRINGS TOGETHER GLOBAL EXPERTS IN ARTS, MUSIC, DESIGN, AND SUSTAINABILITY

ON 16 JUNE 2026, THE SILPAKORN INTERNATIONAL CONFERENCE ON TRENDS IN ARTS AND SUSTAINABILITY (SICTAS 2026) HOSTED A KEYNOTE SESSION AT THE BANGKOK ART AND CULTURE CENTRE (BACC), FEATURING DISTINGUISHED SPEAKERS FROM FRANCE, JAPAN, THE UNITED STATES, CHINA, AND SINGAPORE. THE EVENT PROVIDED A PLATFORM FOR EXPLORING INNOVATIVE PERSPECTIVES ON THE INTERSECTION OF ARTS, MUSIC, DESIGN, TECHNOLOGY, AND SUSTAINABILITY.

THE KEYNOTE PRESENTATIONS ADDRESSED A WIDE RANGE OF TOPICS, INCLUDING THE IMPACT OF ARTIFICIAL INTELLIGENCE ON DESIGN, ARTISTIC APPROACHES TO CREATING NEW POSSIBILITIES IN SOCIETY, THE INTEGRATION OF LOCAL WISDOM WITH INNOVATION FOR ENVIRONMENTAL AND SOCIAL REGENERATION, ADVANCED 3D TECHNOLOGIES FOR CULTURAL HERITAGE CONSERVATION, THE TRANSMISSION OF TRADITIONAL CRAFTSMANSHIP INTO CONTEMPORARY CREATIVE PRACTICES, AND THE ROLE OF MUSIC AND THE ARTS IN FOSTERING SUSTAINABILITY AWARENESS.

THE CONFERENCE SERVED AS AN INTERNATIONAL FORUM FOR KNOWLEDGE EXCHANGE AMONG ACADEMICS, ARTISTS, DESIGNERS, STUDENTS, AND PRACTITIONERS, ENCOURAGING INTERDISCIPLINARY COLLABORATION AND CONTRIBUTING TO SUSTAINABLE DEVELOPMENT THROUGH ART, CULTURE, CREATIVITY, AND INNOVATION.

RELATED SDGS: SDG 4, SDG 9, SDG 11, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1CWU2YEYSK/](https://www.facebook.com/share/p/1CWU2YEYSK/)



2. US-THAI/US-ASEAN PHARMACY CONSORTIA MEETING

3-5 JUNE 2026 THE FACULTY OF PHARMACY, SILPAKORN UNIVERSITY, PARTICIPATED IN THE 2026 US-THAI/US-ASEAN PHARMACY CONSORTIA MEETING HELD AT THE UNIVERSITY OF ILLINOIS CHICAGO AND THE UNIVERSITY OF IOWA, USA. THE CONFERENCE, THEMED "GLOBAL COLLABORATION IN PHARMACY EDUCATION, PRACTICE, AND RESEARCH," BROUGHT TOGETHER ACADEMIC LEADERS AND PHARMACY INSTITUTIONS FROM THAILAND, ASEAN COUNTRIES, AND THE UNITED STATES.

THE MEETING PROVIDED A PLATFORM FOR STRENGTHENING INTERNATIONAL COLLABORATION IN PHARMACY EDUCATION, RESEARCH, ACADEMIC EXCHANGE, AND PROFESSIONAL DEVELOPMENT. SILPAKORN UNIVERSITY'S PARTICIPATION REFLECTS ITS COMMITMENT TO EXPANDING GLOBAL PARTNERSHIPS, ADVANCING INNOVATION IN PHARMACEUTICAL SCIENCES, AND ENHANCING EDUCATIONAL QUALITY TO ADDRESS FUTURE HEALTHCARE CHALLENGES.

RELATED SDGS: SDG 3, SDG 4, SDG 9, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1CLTMOWIPZ/](https://www.facebook.com/share/p/1CLTMOWIPZ/)



3. THE FACULTY OF PHARMACY, SILPAKORN UNIVERSITY WARMLY CONCLUDES THE "RXSU INTERNATIONAL SUMMER SCHOOL 2026" PROGRAM

ON 23 MAY 2026, INTERNATIONAL PHARMACY STUDENTS JOINED THE FINAL DAY OF ACTIVITIES AT THE FACULTY OF PHARMACY, SILPAKORN UNIVERSITY. THE PROGRAM PROVIDED VALUABLE EXPERIENCES IN PHARMACEUTICAL SCIENCES, HEALTHCARE INNOVATION, THAILAND'S HEALTHCARE SYSTEM, AND CULTURAL EXCHANGE THROUGHOUT THE WEEK.

WE WERE HONORED TO HAVE PROF. DR. PORNSAK SRIAMORNSAK, DEAN OF THE FACULTY OF PHARMACY, PRESENT CERTIFICATES TO ALL INTERNATIONAL STUDENTS PARTICIPATING IN THE PROGRAM. OUR SINCERE THANKS TO ALL THAI STUDENTS, INTERNATIONAL STUDENTS, STAFF MEMBERS, AND EVERYONE INVOLVED FOR BECOMING PART OF THE WONDERFUL MEMORIES OF RXSU INTERNATIONAL SUMMER SCHOOL 2026

RELATED SDGS: SDG 4, SDG 17, SDG 3

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1BM5JLZAWU/](https://www.facebook.com/share/p/1BM5JLZAWU/)



4. 13TH INTERNATIONAL AND 22ND NATIONAL CONFERENCE ON EDUCATION

13 JUNE 2026 THE FACULTY OF EDUCATION, SILPAKORN UNIVERSITY, ORGANIZED THE 13TH INTERNATIONAL AND 22ND NATIONAL CONFERENCE ON EDUCATION UNDER THE THEME "SUSTAINABLE EDUCATION: PROFESSIONAL DEVELOPMENT AMID DIGITAL TRANSFORMATION." THE CONFERENCE SERVED AS A PLATFORM FOR RESEARCHERS, ACADEMICS, EDUCATORS, AND PROFESSIONALS FROM THAILAND AND ABROAD TO EXCHANGE KNOWLEDGE, PRESENT RESEARCH FINDINGS, AND DISCUSS INNOVATIVE APPROACHES TO SUSTAINABLE EDUCATION IN THE DIGITAL ERA. THE EVENT PROMOTED INTERNATIONAL ACADEMIC COLLABORATION, LIFELONG LEARNING, AND PROFESSIONAL DEVELOPMENT WHILE STRENGTHENING NETWORKS AMONG EDUCATIONAL INSTITUTIONS AND RESEARCHERS. THE CONFERENCE CONTRIBUTED TO ADVANCING SUSTAINABLE EDUCATION AND FOSTERING INNOVATION IN RESPONSE TO GLOBAL CHALLENGES.

RELATED SDGS: SDG 4, SDG 9, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/V/1PNWU1CTW/](https://www.facebook.com/share/v/1PNWU1CTW/)
[HTTPS://WWW.FACEBOOK.COM/SHARE/P/17VIXU3JQ/](https://www.facebook.com/share/p/17VIXU3JQ/)



5. SILPAKORN CLAY WORKS 2026: SANAM CHANDRA INTERNATIONAL CERAMIC ART & DESIGN WORKSHOP

SILPAKORN CLAY WORKS 2026 IS AN INTERNATIONAL CERAMIC ART AND DESIGN WORKSHOP THAT BRINGS TOGETHER ARTISTS FROM VARIOUS COUNTRIES TO EXCHANGE IDEAS, TECHNIQUES, AND CULTURES THROUGH "CLAY" AS A MEDIUM OF ARTISTIC EXPRESSION AND CERAMIC CREATION. THE WORKSHOP IS HELD AT THE SANAM CHANDRA PALACE CAMPUS, SILPAKORN UNIVERSITY, NAKHON PATHOM, THAILAND, FROM 2-12 FEBRUARY 2026. IT GATHERS ARTISTS, DESIGNERS, STUDENTS, AND INTERESTED PARTICIPANTS FROM DIVERSE BACKGROUNDS TO ENGAGE IN KNOWLEDGE EXCHANGE, HANDS-ON PRACTICE, AND COLLABORATIVE CERAMIC ART CREATION.

THE WORKSHOP FOCUSES ON DEVELOPING ARTISTIC SKILLS, EXPERIENTIAL LEARNING, AND INTERNATIONAL COLLABORATION, PROMOTING CULTURAL EXCHANGE AND FOSTERING CREATIVE INNOVATION IN THE FIELDS OF ART AND DESIGN.

RELATED SDGS: SDG 4, SDG 11, AND SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1DU5H49NSE/](https://www.facebook.com/share/p/1DU5H49NSE/)
[HTTPS://WWW.FACEBOOK.COM/SHARE/P/17JM55MNRJ/](https://www.facebook.com/share/p/17JM55MNRJ/)



6. THAI ARTS GOING GLOBAL (EDUC ART & CULTURE ON THE GLOBAL STAGE)

14 APRIL 2026 THE FACULTY OF EDUCATION, SILPAKORN UNIVERSITY ORGANIZED THE PROJECT "THAI ARTS GOING GLOBAL" AT THE COLLEGE OF ASIAN ARTS AND CULTURE, CHENGDU UNIVERSITY, PEOPLE'S REPUBLIC OF CHINA, AIMING TO PROMOTE THAI ARTS AND CULTURE INTERNATIONALLY AND STRENGTHEN ACADEMIC AND CULTURAL COLLABORATION AT THE GLOBAL LEVEL.

THE PROJECT PROVIDED OPPORTUNITIES FOR STUDENTS TO ENGAGE IN CULTURAL EXCHANGE WITH PARTNER UNIVERSITIES ABROAD, WHILE ENHANCING THEIR COMMUNICATION SKILLS, TEAMWORK ABILITIES, AND AWARENESS OF CULTURAL DIVERSITY. THE PROGRAM FEATURED VARIOUS CULTURAL EXCHANGE ACTIVITIES, INCLUDING A CHINESE-LANGUAGE STAGE PERFORMANCE BY THAI STUDENTS AND A TRADITIONAL THAI BLESSING DANCE PERFORMANCE, "FON EAN KHWAN," PRESENTED BY SILPAKORN UNIVERSITY.

RELATED SDGS: SDG 4, SDG 11, SDG 17

SOURCE : [HTTPS://EDUC.SU.AC.TH/NEWS-12026/](https://educ.su.ac.th/news-12026/)



7. SILPAKORN INTERNATIONAL MUSIC FESTIVAL CONFERENCE AND SHOWCASE

20 JUNE 2026 SILPAKORN UNIVERSITY ORGANIZED THE SILPAKORN INTERNATIONAL MUSIC FESTIVAL CONFERENCE AND SHOWCASE AT THE MULTI-FUNCTION ROOM, 1ST FLOOR, BANGKOK ART AND CULTURE CENTRE (BACC), BANGKOK, THAILAND. THE EVENT PRESENTED A VIBRANT CELEBRATION OF JAZZ AND POP MUSIC, FEATURING RENOWNED ARTISTS, LEADING PERFORMERS, AND POPULAR BANDS FROM THE MUSIC INDUSTRY.

THE PROGRAM HIGHLIGHTED HIGH-QUALITY MUSICAL PERFORMANCES, WITH A SPECIAL SHOWCASE TITLED "SILPAKORN JAZZ DIVAS" HELD AT 17:00 HRS, BRINGING TOGETHER TALENTED MUSICIANS IN A DYNAMIC AND ENGAGING PERFORMANCE. THE FESTIVAL AIMED TO PROMOTE INTERNATIONAL MUSIC EXCHANGE, CREATIVE EXPRESSION, AND CULTURAL APPRECIATION THROUGH CONTEMPORARY MUSIC.

RELATED SDGS: SDG 4, SDG 11, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1DPCSW8D6Z/](https://www.facebook.com/share/p/1DPCSW8D6Z/)



8. SCIENCE SILPAKORN INTERNATIONAL SUMMER SCHOOL 2026 CLOSING CEREMONY

11 JUNE 2026 THE FACULTY OF SCIENCE, SILPAKORN UNIVERSITY HELD THE CLOSING CEREMONY OF THE SCIENCE SILPAKORN INTERNATIONAL SUMMER SCHOOL 2026 AT SANAM CHANDRA PALACE CAMPUS. THE PROGRAM RAN FROM 8-12 JUNE 2026 AS A SHORT-TERM INTERNATIONAL SUMMER TRAINING COURSE.

THE CEREMONY WAS PRESIDED OVER BY ASSISTANT PROFESSOR DR. PHANUPHAN LIMPACHAYAPORN, DEPUTY DEAN FOR ADMINISTRATION, WHO PRESENTED CERTIFICATES TO A TOTAL OF 40 THAI AND INTERNATIONAL PARTICIPANTS. THE PROGRAM PROVIDED ACADEMIC TRAINING IN SCIENTIFIC FIELDS, PROMOTED CROSS-CULTURAL LEARNING, AND STRENGTHENED COLLABORATION BETWEEN THAI AND INTERNATIONAL STUDENTS.

THE INITIATIVE ALSO SUPPORTED THE UNIVERSITY'S INTERNATIONALIZATION GOALS BY ENHANCING ACADEMIC EXCHANGE, RESEARCH DISSEMINATION, AND GLOBAL NETWORKING IN SCIENCE EDUCATION.

RELATED SDGS: SDG 4, SDG 9, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1CXBB7BT9/](https://www.facebook.com/share/p/1CXBB7BT9/)



9. SEMINAR: HERITAGE DOCUMENTATION & HISTORICAL INTERPRETATION: NEW FINDINGS FROM MARITIME ASIA

9-10 APRIL 2026 THE FACULTY OF ARCHITECTURE, SILPAKORN UNIVERSITY, HOSTED AN INTERNATIONAL SEMINAR ON HERITAGE DOCUMENTATION AND HISTORICAL INTERPRETATION: NEW FINDINGS FROM MARITIME ASIA AT THE FACULTY OF ARCHITECTURE, SANAM CHANDRA PALACE CAMPUS.

THE SEMINAR BROUGHT TOGETHER LEADING SCHOLARS AND RESEARCHERS FROM THAILAND AND OVERSEAS, INCLUDING JAPAN, INDONESIA, THE MALDIVES, BANGLADESH, AND SINGAPORE, TO SHARE FINDINGS ON MARITIME HERITAGE RESEARCH AND ADVANCED DOCUMENTATION TECHNOLOGIES. THE EVENT WAS OFFICIALLY OPENED BY REPRESENTATIVES FROM THE PROGRAM MANAGEMENT UNIT FOR FRONTIER BRAINPOWER AND FUTURE INDUSTRIES (PMU-B) AND WELCOMED ACADEMIC COLLABORATION WITH KYOTO UNIVERSITY'S MARITIME ASIA HERITAGE SURVEY (MASH).

THE PROGRAM HIGHLIGHTED INTERDISCIPLINARY RESEARCH ON MARITIME HISTORY AND CULTURAL HERITAGE, WHILE ALSO INTRODUCING A NEW RESEARCH INITIATIVE ON SACRED MOUNTAIN LANDSCAPES ACROSS SOUTHEAST ASIA.

RELATED SDGS: SDG 4, SDG 11, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/ITSWRHADTZ/](https://www.facebook.com/share/p/ITSWRHADTZ/)



10. SILPAKORN UNIVERSITY SHOWCASES OUTSTANDING RESEARCH ON THE GLOBAL STAGE IN CHINA

19-30 MAY 2026 SILPAKORN UNIVERSITY PROMOTES HIGH-POTENTIAL RESEARCH AND CREATIVE WORKS AT THE INTERNATIONAL LEVEL IN LINE WITH ITS STRATEGY TO ENHANCE ITS QS WORLD UNIVERSITY RANKINGS BY SUBJECT: ART & DESIGN. THE OFFICE OF RESEARCH, INNOVATION AND CREATIVITY ADMINISTRATION WAS ASSIGNED TO SELECT OUTSTANDING RESEARCH PROJECTS AND CREATIVE WORKS FOR INTERNATIONAL DISSEMINATION.

THE SELECTED WORKS INCLUDE THREE PROJECTS: INNOVATION IN THE SYNTHESIS OF BIO-MELANIN FIBER FROM ACID SULFATE SOIL, THE DEVELOPMENT OF PHETCHABURI JADE JEWELRY ECONOMY, AND THE "IMJAI CHINESE BANQUET" HEALTH FOOD INNOVATION AIMED AT ENHANCING NAKHON PATHOM'S SOFT POWER.

THE DELEGATION PRESENTED THESE WORKS AT LEADING ART AND DESIGN INSTITUTIONS IN CHINA, INCLUDING SHANGHAI ACADEMY OF FINE ARTS (SHANGHAI UNIVERSITY), NANJING UNIVERSITY OF THE ARTS, AND TSINGHUA UNIVERSITY, DURING 19-30 MAY 2026.

RELATED SDGS: SDG 4, SDG 9, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1BZ1GTHBPC/](https://www.facebook.com/share/p/1BZ1GTHBPC/)

11. "GLOBAL CONNECT 2026"



UNDER THE SILPAKORN SUMMER SCHOOL 2026 WAS ORGANIZED BY THE FACULTY OF ARTS, SILPAKORN UNIVERSITY, FROM 1-10 MARCH 2026, WITH 17 INTERNATIONAL STUDENTS FROM FIVE PARTNER UNIVERSITIES: TOKYO GAKUGEI UNIVERSITY, HIROSHIMA CITY UNIVERSITY, BEIJING INTERNATIONAL STUDIES UNIVERSITY, HANOI UNIVERSITY, AND THE UNIVERSITY OF HAMBURG.



THE PROGRAM AIMED TO INTRODUCE THE FACULTY AND PROMOTE LEARNING IN THAI LANGUAGE, ARTS, CULTURE, AND TOURISM THROUGH VARIOUS ACTIVITIES, INCLUDING THAI LANGUAGE IN DAILY LIFE, THAI MUSIC, THAI ARTS, MUAY THAI AND TRADITIONAL MASSAGE, THAI CUISINE AT BAAN LAN KHAM POO RESTAURANT, AND FIELD TRIPS TO AYUTTHAYA AND KANCHANABURI.

IN ADDITION, THE "FRIENDSHIP ACROSS CULTURES 2026" ACTIVITY WAS HELD ON 5 MARCH 2026 TO ENHANCE INTERACTION BETWEEN THAI AND INTERNATIONAL STUDENTS AND PROMOTE CULTURAL EXCHANGE.

THE FACULTY EXPRESSED GRATITUDE TO ALL LECTURERS, SPEAKERS, AND STUDENTS FOR CONTRIBUTING TO A MEANINGFUL INTERCULTURAL LEARNING EXPERIENCE.

RELATED SDGS: SDG 4, SDG 11, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1KQ7LRLW6V/](https://www.facebook.com/share/p/1KQ7LRLW6V/)



12. SUIC'S 7TH INTERNATIONAL SUMMER SCHOOL 2025 - SILPAKORN UNIVERSITY INTERNATIONAL COLLEGE

EMBRACING DIVERSITY AND CULTURES: SUIC'S 7TH INTERNATIONAL SUMMER PROGRAMME 2025 A TRULY MOMENTOUS OCCASION UNFOLDED AS SILPAKORN UNIVERSITY INTERNATIONAL COLLEGE, IN COLLABORATION WITH THE INTERNATIONAL AFFAIRS DEPARTMENT, PROUDLY HOSTED THE 7TH SUIC INTERNATIONAL SUMMER PROGRAMME, HELD FROM 3RD TO 10TH AUGUST 2025. THE OPENING CEREMONY ON 4TH AUGUST 2025 MARKED THE BEGINNING OF THIS VIBRANT JOURNEY, WELCOMING ALMOST 140 STUDENTS FROM 17 NATIONALITIES. THIS INCREDIBLE CONVERGENCE OF CULTURES ILLUMINATED THE TRUE ESSENCE OF GLOBAL UNITY, DIVERSITY, AND CROSS-CULTURAL UNDERSTANDING. THROUGHOUT THE PROGRAMME, STUDENTS IMMERSSED THEMSELVES IN A WIDE RANGE OF SUBJECTS INCLUDING THAI CUISINE, THAI COOKING WORKSHOP, THAINESS, THAI WELLNESS, THAI CULTURAL HERITAGE, THAI BELIEFS, INTERCULTURAL COMMUNICATION, AND THAI LOCAL STUDIES. HERE ARE SOME HIGHLIGHTS CAPTURING THE SPIRIT, FRIENDSHIP, AND CULTURAL RICHNESS OF THE PROGRAMME. STAY TUNED AS WE CONTINUE THIS EXCITING JOURNEY OF GLOBAL LEARNING AND CULTURAL EXPLORATION.

RELATED SDGS: SDG 4, SDG 10, SDG 16, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1HGSMWYIBP/](https://www.facebook.com/share/p/1HGSMWYIBP/)

6.15 COMMUNITY SERVICE PROJECTS RELATED TO SUSTAINABILITY INVOLVING STUDENTS

โครงการบริการสังคมที่เกี่ยวข้องกับความยั่งยืน
และนิสิตศึกษาเข้าร่วม

SILPAKORN UNIVERSITY IS COMMITTED TO PROMOTING SUSTAINABLE DEVELOPMENT THROUGH A WIDE RANGE OF COMMUNITY SERVICE, ACADEMIC OUTREACH, AND COMMUNITY ENGAGEMENT INITIATIVES ORGANIZED BY ITS FACULTIES, INSTITUTES, AND SUPPORTING UNITS. THESE ACTIVITIES INTEGRATE KNOWLEDGE, INNOVATION, CULTURE, ENVIRONMENTAL AWARENESS, HEALTH PROMOTION, AND SOCIAL RESPONSIBILITY TO ADDRESS LOCAL AND SOCIETAL NEEDS WHILE ENCOURAGING ACTIVE STUDENT PARTICIPATION.

BETWEEN MAY 2025 AND JUNE 2026, THE UNIVERSITY ORGANIZED AND SUPPORTED MORE THAN 10 SUSTAINABILITY-RELATED COMMUNITY SERVICE PROJECTS INVOLVING STUDENTS, STAFF, COMMUNITY MEMBERS, GOVERNMENT AGENCIES, PRIVATE-SECTOR PARTNERS, AND CIVIL SOCIETY ORGANIZATIONS. THE PROJECTS COVERED DIVERSE AREAS, INCLUDING ENVIRONMENTAL CONSERVATION, RESPONSIBLE CONSUMPTION AND PRODUCTION, PUBLIC HEALTH PROMOTION, VOLUNTEERISM, COMMUNITY CAPACITY BUILDING, CULTURAL HERITAGE PRESERVATION, CREATIVE ECONOMY DEVELOPMENT, EDUCATIONAL OUTREACH, AND LOCAL ECONOMIC EMPOWERMENT.

THROUGH THESE INITIATIVES, STUDENTS GAINED EXPERIENTIAL LEARNING OPPORTUNITIES AND DEVELOPED LEADERSHIP, TEAMWORK, CIVIC ENGAGEMENT, AND SUSTAINABILITY COMPETENCIES WHILE WORKING COLLABORATIVELY WITH COMMUNITIES AND EXTERNAL PARTNERS. THE PROJECTS ALSO STRENGTHENED UNIVERSITY-COMMUNITY PARTNERSHIPS, SUPPORTED LOCAL DEVELOPMENT, AND CONTRIBUTED TO IMPROVING QUALITY OF LIFE AND SOCIAL WELL-BEING.

THESE EFFORTS REFLECT SILPAKORN UNIVERSITY'S ROLE AS A SOCIALLY RESPONSIBLE INSTITUTION AND CONTRIBUTE TO SEVERAL UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGs), PARTICULARLY SDG 3 (GOOD HEALTH AND WELL-BEING), SDG 4 (QUALITY EDUCATION), SDG 8 (DECENT WORK AND ECONOMIC GROWTH), SDG 11 (SUSTAINABLE CITIES AND COMMUNITIES), SDG 12 (RESPONSIBLE CONSUMPTION AND PRODUCTION), AND SDG 17 (PARTNERSHIPS FOR THE GOALS).

1. THE FACULTY OF PAINTING, SCULPTURE AND GRAPHIC ARTS,

SILPAKORN UNIVERSITY, IN COLLABORATION WITH PHRA CHOMK-LAO HOSPITAL, PHETCHABURI PROVINCE, AND PHROMANUSORN SCHOOL, ORGANIZED THE PROJECT "ART FOR COMMUNITY AND ENVIRONMENTAL DEVELOPMENT: RABAI MUANG NAMTAN PHET" FROM 14-18 MAY 2026. THE PROJECT AIMED TO PROMOTE STUDENT ENGAGEMENT IN COMMUNITY DEVELOPMENT THROUGH ARTISTIC ACTIVITIES AND THE ENHANCEMENT OF PUBLIC SPACES.

THIRD-YEAR STUDENTS WORKED ALONGSIDE FACULTY MEMBERS, ALUMNI, ARTISTS, AND PARTNER ORGANIZATIONS TO CREATE PUBLIC MURALS AND CONDUCT ART WORKSHOPS FOR HEALTHCARE PERSONNEL AND COMMUNITY MEMBERS. THESE ACTIVITIES ENCOURAGED LEARNING, CREATIVITY, AND RELAXATION THROUGH ART WHILE IMPROVING THE PHYSICAL ENVIRONMENT AND FOSTERING WELL-BEING AMONG USERS OF THE COMMUNITY AND HOSPITAL SPACES.



THE PROJECT DEMONSTRATES THE UNIVERSITY'S COMMITMENT TO USING ART AS A TOOL FOR COMMUNITY DEVELOPMENT, LIFELONG LEARNING, AND CROSS-SECTOR COLLABORATION AMONG EDUCATIONAL INSTITUTIONS, HEALTHCARE ORGANIZATIONS, AND LOCAL COMMUNITIES.

RELATED SDGS : SDG 3, SDG 4, SDG 11, SDG 17

SOURCE : https://www.facebook.com/REEL/13308839_92285407

2. SILPAKORN ARTIST INCUBATION PROJECT ORGANIZES "DEC SCULPTING FRIENDS, FEELINGS, AND INSPIRATION" WORKSHOP TO STRENGTHEN ACADEMIC AND ARTISTIC NETWORKS



ON 21 DECEMBER 2025, THE FACULTY OF DECORATIVE ARTS, SILPAKORN UNIVERSITY, ORGANIZED THE WORKSHOP "DEC SCULPTING FRIENDS, FEELINGS, AND INSPIRATION" AT THE CERAMIC TRAINING CENTER, SANAM CHANDRA PALACE CAMPUS, AS PART OF THE SILPAKORN ARTIST INCUBATION PROJECT. THE ACTIVITY AIMED TO STRENGTHEN COLLABORATION AND NETWORKING AMONG FACULTY MEMBERS IN THE FIELDS OF ART, DESIGN, CREATIVITY, AND CULTURAL STUDIES.

THE WORKSHOP PROVIDED PARTICIPANTS WITH OPPORTUNITIES TO CREATE ARTWORK TOGETHER WHILE EXCHANGING KNOWLEDGE, EXPERIENCES, AND CREATIVE PERSPECTIVES. STUDENTS FROM THE DEPARTMENT OF CERAMICS ALSO PARTICIPATED AS TEACHING ASSISTANTS AND SUPPORTED THE IMPLEMENTATION OF THE ACTIVITY.

THE PROJECT SEEKS TO FOSTER ACADEMIC AND CULTURAL COLLABORATION WITHIN THE UNIVERSITY, PROMOTE THE CONCEPT OF COLLABORATIVE ART PRACTICE, AND STRENGTHEN NETWORKS OF ARTISTS AND SCHOLARS, CONTRIBUTING TO THE SUSTAINABLE DEVELOPMENT OF ARTS AND CULTURE.

RELATED SDGS : SDG 4, SDG 11, SDG 17

SOURCE : <https://www.facebook.com/SHARE/P/180TNDQYKM>



3. THE FACULTY OF PAINTING, SCULPTURE AND GRAPHIC ARTS, SILPAKORN UNIVERSITY, ORGANIZED THE 1ST NATIONAL YOUTH DRAWING COMPETITION, "FROM LINES TO IDENTITY AND IMAGINATION," TO PROVIDE EDUCATIONAL OPPORTUNITIES FOR YOUNG PEOPLE ACROSS THAILAND TO DEVELOP THEIR ARTISTIC SKILLS, CREATIVITY, AND SELF-EXPRESSION THROUGH VISUAL ARTS.

THE COMPETITION SERVED AS A LEARNING PLATFORM WHERE SECONDARY SCHOOL STUDENTS COULD GAIN HANDS-ON EXPERIENCE, EXCHANGE IDEAS, AND EXPERIENCE THE ACADEMIC ENVIRONMENT OF A LEADING ART UNIVERSITY. PARTICIPANTS WERE ENCOURAGED TO EXPLORE AND EXPRESS CULTURAL IDENTITY AND IMAGINATION THROUGH DRAWING, PROMOTING LIFELONG LEARNING AND THE DEVELOPMENT OF YOUNG PEOPLE'S CREATIVE POTENTIAL.



THE PROJECT ALSO STRENGTHENED COLLABORATION AMONG THE UNIVERSITY, SCHOOLS, TEACHERS, PARENTS, AND YOUTH FROM ACROSS THE COUNTRY. IN ADDITION, STUDENTS WERE INVOLVED IN ORGANIZING AND SUPPORTING THE EVENT, FOSTERING STUDENT ENGAGEMENT IN COMMUNITY SERVICE THROUGH THE SHARING OF ARTISTIC KNOWLEDGE AND EXPERIENCES.

RELATED SDGS : SDG 4, SDG 11, SDG 17

SOURCE : <https://www.facebook.com/SHARE/P/10WHMVGQYSN>

4. THE DEPARTMENT OF PUBLIC ADMINISTRATION ORGANIZED A STUDY VISIT TITLED "CAREER SKILLS DEVELOPMENT THROUGH NETWORK PARTNERSHIPS" AT PIENGLUANG SCHOOL 3, ITONG VILLAGE, PILOK SUBDISTRICT, THONG PHA PHUM DISTRICT, KANCHANABURI PROVINCE, DURING 12-13 SEPTEMBER 2025. THE ACTIVITY WAS CONDUCTED AS PART OF THE COURSE 767432 PUBLIC GOVERNANCE AND PARTICIPATION, AIMING TO PROVIDE STUDENTS WITH REAL-WORLD LEARNING EXPERIENCES, ENHANCE THEIR UNDERSTANDING OF THE ROLES AND IMPORTANCE OF PARTNERSHIP NETWORKS IN LOCAL DEVELOPMENT, AND STRENGTHEN PROFESSIONAL SKILLS.

DURING THE VISIT, STUDENTS LEARNED ABOUT THE COMMUNITY'S WAY OF LIFE AND ENGAGED WITH VARIOUS LOCAL INITIATIVES, INCLUDING SCHOOL STAY MANAGEMENT, SPA AND WELLNESS SERVICES, BEVERAGE AND BAKERY PREPARATION ACTIVITIES CONDUCTED BY THE SCHOOL, AND COMMUNITY EXPLORATION GUIDED BY YOUNG LOCAL GUIDES (JUNIOR GUIDES). THESE ACTIVITIES WERE MADE POSSIBLE THROUGH ACTIVE PARTICIPATION FROM THE LOCAL COMMUNITY AND COLLABORATION AMONG GOVERNMENT AGENCIES AND CIVIL SOCIETY NETWORKS OF PIENGLUANG SCHOOL 3.



THE PROGRAM ALSO EMPHASIZED MUTUAL LEARNING BETWEEN STUDENTS AND THE COMMUNITY, ALLOWING BOTH SIDES TO EXCHANGE KNOWLEDGE AND EXPERIENCES IN LOCAL DEVELOPMENT AND COMMUNITY-BASED TOURISM.

RELATED SDGS : SDG 4, SDG 8, SDG 11, SDG 17

SOURCE : <https://www.facebook.com/SHARE/P/14FWHOTOZHU>



5. THE DEPARTMENT OF FASHION DESIGN, FACULTY OF DECORATIVE ARTS, SILPAKORN UNIVERSITY, IN COLLABORATION WITH THAI BEVERAGE PUBLIC COMPANY LIMITED AND THE ENVIRONMENTAL IMPACT AND SUSTAINABILITY ALLIANCE (EISA), ORGANIZED A FIELD-BASED LEARNING ACTIVITY UNDER THE HANDWOVEN PHAKHAO MA DEVELOPMENT PROJECT (ACADEMIC YEAR 2025). FIRST- AND SECOND-YEAR STUDENTS VISITED THE BAN HIN KHON MULBERRY SILK CONSERVATION GROUP IN BURIRAM PROVINCE TO LEARN ABOUT TRADITIONAL WEAVING AND NATURAL DYEING PROCESSES USING LOCAL MATERIALS.



THE ACTIVITY PROVIDED STUDENTS WITH HANDS-ON EXPERIENCE IN LOCAL TEXTILE PRODUCTION, FROM FIBER PREPARATION AND WEAVING TECHNIQUES TO ECO-FRIENDLY NATURAL DYEING METHODS. IT PROMOTED UNDERSTANDING OF CULTURAL HERITAGE, SUSTAINABLE DESIGN, AND COMMUNITY-BASED PRODUCTION THROUGH DIRECT ENGAGEMENT WITH LOCAL ARTISANS.

THE PROJECT ALSO SUPPORTED THE INTEGRATION OF TRADITIONAL CRAFTSMANSHIP WITH CONTEMPORARY DESIGN WHILE FOSTERING COLLABORATION BETWEEN UNIVERSITIES, THE PRIVATE SECTOR, AND LOCAL COMMUNITIES.

RELATED SDGS : SDG 4, SDG 11, SDG 12, SDG 17

SOURCE : <https://www.facebook.com/SHARE/P/1E9HMFXXW1>

6. "TOK KAMPHAENG IT: READY FOR 5/0/5" 3 FEBRUARY 2026, SILPAKORN UNIVERSITY ORGANIZED THE EXHIBITION "TOK KAMPHAENG IT: READY FOR 5/0/5" AS PART OF BANGKOK DESIGN WEEK 2026. THE PROJECT TRANSFORMED TOK KAMPHAENG IT IN THE BANG LAMPHU AREA INTO A LIVING LABORATORY FOR COLLABORATIVE DESIGN AND COMMUNITY-BASED URBAN DEVELOPMENT.



THE INITIATIVE DEMONSTRATED THE ROLE OF DESIGN AS A TOOL FOR SUSTAINABLE URBAN REGENERATION, INCLUDING IMPROVING CLEANLINESS, LIGHTING, AND SAFETY, AS WELL AS STRENGTHENING LOCAL IDENTITY THROUGH ART, LIGHT, AND SOUND INSTALLATIONS. IT ALSO CREATED A PARTICIPATORY PLATFORM WHERE LOCAL RESIDENTS, STUDENTS, AND DESIGNERS WORKED TOGETHER TO CO-CREATE IDEAS, MAKE DECISIONS, AND DEVELOP THE SPACE COLLECTIVELY.



STUDENTS AND FACULTY FROM THE DINDA AND MINDA PROGRAMS ACTIVELY ENGAGED WITH THE LOCAL COMMUNITY, FOCUSING NOT ONLY ON TEMPORARY ARTISTIC INSTALLATIONS BUT ALSO ON CREATING LONG-TERM POSITIVE IMPACTS IN TERMS OF QUALITY OF LIFE, SOCIAL RELATIONSHIPS, AND LOCAL ECONOMIC DEVELOPMENT. THE PROJECT CONNECTED LOCAL SHOPS, YOUTH, RESIDENTS, AND PARTNER NETWORKS TO FOSTER INCLUSIVE COMMUNITY PARTICIPATION.

THIS EXHIBITION SERVES AS AN EXAMPLE OF ADVANCING THE SUSTAINABLE DEVELOPMENT GOALS (SDGs) THROUGH URBAN DESIGN AND CULTURAL ENGAGEMENT, PARTICULARLY IN PROMOTING LIVABLE COMMUNITIES, STRENGTHENING LOCAL CREATIVE ECONOMIES, AND PRESERVING AND REVITALIZING THE IDENTITY OF HISTORIC NEIGHBORHOODS IN A CONTEMPORARY CONTEXT.



"TOK KAMPHAENG IT: READY FOR 5/0/5" DEMONSTRATES THAT SUSTAINABLE URBAN DEVELOPMENT DOES NOT ALWAYS BEGIN WITH LARGE-SCALE PROJECTS, BUT CAN START FROM SMALL ALLEYS WHERE PEOPLE LISTEN, COLLABORATE, AND DESIGN TOGETHER WITH THE COMMUNITY.

RELATED SDGS : SDG 4, SDG 8, SDG 11, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/16926MXHPZ](https://www.facebook.com/share/p/16926MXHPZ)

7. WHEN GREEN CRAFT BECOMES A SHARED LANGUAGE OF SUSTAINABILITY

AMID THE RAPID TRANSFORMATIONS OF TODAY'S WORLD, CRAFTSMANSHIP IS NO LONGER MERELY A LEGACY OF THE PAST. IT IS INCREASINGLY EMERGING AS A KEY TO SHAPING A MORE SUSTAINABLE FUTURE. THE COLLABORATION BETWEEN NKUST (NATIONAL KAOHSIUNG UNIVERSITY OF SCIENCE AND TECHNOLOGY) AND SILPAKORN UNIVERSITY AT ONE BANGKOK CLEARLY REFLECTS THIS EVOLVING ROLE.

UNDER THE CONCEPT "GREEN CRAFT X LIFE AESTHETIC X LOCAL CULTURE," THE PROJECT OPENED A CULTURAL DIALOGUE BETWEEN THAILAND AND TAIWAN THROUGH STUDENT DESIGN WORKS THAT USE CRAFTSMANSHIP AS A STARTING POINT TO ADDRESS ENVIRONMENTAL RESPONSIBILITY, COMMUNITY VALUES, AND CONTEMPORARY LIFESTYLES. THIS CROSS-BORDER EXCHANGE OF KNOWLEDGE NOT ONLY FOSTERS CULTURAL UNDERSTANDING, BUT ALSO HIGHLIGHTS THE POWER OF INTERNATIONAL COLLABORATION IN ADVANCING SUSTAINABLE DEVELOPMENT.

THE EXHIBITED WORKS DEMONSTRATE THOUGHTFUL MATERIAL SELECTION AND ENVIRONMENTALLY FRIENDLY PRODUCTION PROCESSES, THE REINTERPRETATION OF LOCAL WISDOM THROUGH A CONTEMPORARY LENS, AND DESIGNS CREATED NOT MERELY FOR DISPLAY, BUT FOR REAL-LIFE USE—SEAMLESSLY INTEGRATED INTO THE LIFE AESTHETICS OF TODAY'S URBAN LIVING. THE NKUST X SU COLLABORATION THUS SERVES AS AN EXAMPLE OF AN ACTIVITY ALIGNED WITH THE SUSTAINABLE DEVELOPMENT GOALS (SDGS), WHERE EDUCATION, DESIGN, AND THE CREATIVE ECONOMY INTERSECT. BY POSITIONING GREEN CRAFT AS A BRIDGE BETWEEN THE ENVIRONMENT, CULTURE, AND QUALITY OF LIFE, THE PROJECT RAISES AN IMPORTANT QUESTION: HOW CAN DESIGN CONTRIBUTE MORE MEANINGFULLY TO BUILDING A BALANCED AND SUSTAINABLE FUTURE? TODAY, CRAFTSMANSHIP IS NO LONGER LOOKING BACK. IT IS ACTIVELY DESIGNING NEW PATHWAYS TOWARD A MORE SUSTAINABLE WORLD.

RELATED SDGS : SDG 4, SDG 11, SDG 12, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/16926MXHPZ](https://www.facebook.com/share/p/16926MXHPZ)

8. THE FINAL ROUND AND AWARD ANNOUNCEMENT CEREMONY OF THE "THE GALLERY ART & DESIGN COMPETITION 2025", A COLLABORATION BETWEEN THE GALLERY AND SILPAKORN UNIVERSITY, WAS HELD ON 25 NOVEMBER 2025 AT PLEARN ZONE, 53RD FLOOR, THE EMPIRE RESIDENCE.



THE FACULTY OF DECORATIVE ARTS, SILPAKORN UNIVERSITY, ORGANIZED THIS PROJECT UNDER THE THEME "ART CRAFT N' LIFESTYLE & SUSTAINABLE", PROVIDING OPPORTUNITIES FOR STUDENTS FROM ALL SEVEN DEPARTMENTS TO DEMONSTRATE THEIR DESIGN POTENTIAL. STUDENTS SUBMITTED DESIGN WORKS DEVELOPED FROM CONCEPTS RELATED TO MATERIAL SELECTION, CREATIVE PROCESSES, AND INSPIRATION DRAWN FROM COMMUNITIES ACROSS THAILAND. THESE WORKS REFLECT THE INTEGRATION OF LOCAL WISDOM INTO CONTEMPORARY DESIGN APPROACHES, AIMING TO GENERATE MEANINGFUL BENEFITS THAT CAN BE RETURNED TO LOCAL COMMUNITIES IN A SUSTAINABLE MANNER.

THE COMPETITION SUPPORTED STUDENT LEARNING THROUGH REAL-WORLD DESIGN EXPERIENCE WITHIN THE ART AND DESIGN INDUSTRY. THE 9 AWARDED WORKS FROM 9 TEAMS DEMONSTRATED STRONG ACADEMIC AND PROFESSIONAL DEVELOPMENT, ALLOWING STUDENTS TO ENHANCE THEIR KNOWLEDGE, SKILLS, AND CREATIVE CAPABILITIES. THE OUTCOMES ALSO HIGHLIGHT THE POTENTIAL FOR FURTHER DEVELOPMENT OF COMMUNITY-BASED INSPIRATION INTO MARKETABLE DESIGN PRODUCTS, CONTRIBUTING TO THE BROADER VALUE OF ART AND DESIGN IN THE FUTURE.

THE FACULTY EXTENDS ITS APPRECIATION TO ASSET WORLD CORP PUBLIC COMPANY LIMITED AND THE GALLERY SHOP THAILAND FOR THEIR COLLABORATION AND SUPPORT.

RELATED SDGS : SDG 4, SDG 8, SDG 11, SDG 12, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1FYDPWPPT](https://www.facebook.com/share/p/1FYDPWPPT)

9. ART FOR COMMUNITY PROJECT

ON 18 DECEMBER 2025, REPRESENTATIVES OF SILPAKORN UNIVERSITY, LED BY ASSISTANT PROFESSOR DR. RAPEEPAN KAEW-ON, VICE PRESIDENT FOR SANAM CHANDRA PALACE CAMPUS, TOGETHER WITH UNIVERSITY EXECUTIVES, VISITED AND ENCOURAGED STUDENTS PARTICIPATING IN THE ART FOR COMMUNITY PROJECT, A COLLABORATIVE INITIATIVE BETWEEN THE FACULTY OF DECORATIVE ARTS, SILPAKORN UNIVERSITY, AND THE NAKHON PATHOM MUNICIPALITY.



THE PROJECT WAS IMPLEMENTED AT MUNICIPAL SCHOOL 1 (WAT PHRA NGAM), NAKHON PATHOM PROVINCE, WITH THE OBJECTIVE OF USING ART AND DESIGN AS TOOLS FOR COMMUNITY ENGAGEMENT AND LOCAL DEVELOPMENT. THROUGH THIS INITIATIVE, STUDENTS APPLIED THEIR ACADEMIC KNOWLEDGE AND CREATIVE SKILLS IN A REAL-WORLD SETTING WHILE WORKING CLOSELY WITH LOCAL STAKEHOLDERS AND EDUCATIONAL INSTITUTIONS.

THE PROJECT STRENGTHENED PARTNERSHIPS BETWEEN THE UNIVERSITY, LOCAL GOVERNMENT, SCHOOLS, AND THE COMMUNITY, WHILE PROVIDING STUDENTS WITH VALUABLE EXPERIENTIAL LEARNING OPPORTUNITIES. IT ALSO CONTRIBUTED TO ENHANCING THE LEARNING ENVIRONMENT AND FOSTERING A GREATER APPRECIATION OF ART AND CREATIVITY WITHIN THE LOCAL COMMUNITY.

RELATED SDGS : SDG 4, SDG 11, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1CYYYVOAGV](https://www.facebook.com/share/p/1CYYYVOAGV)

10. SILPAKORN UNIVERSITY INVITES STUDENTS, STAFF MEMBERS, AND THE GENERAL PUBLIC TO PARTICIPATE IN A VOLUNTEER BLOOD DONATION CAMPAIGN

ON 21 JANUARY 2026, THE REGIONAL BLOOD CENTRE IV, RATCHABURI PROVINCE, IN COLLABORATION WITH THE DIVISION OF STUDENT AFFAIRS, SILPAKORN UNIVERSITY, ORGANIZED THE BLOOD DONATION CAMPAIGN "SILPAKORN UNITED FOR BLOOD DONATION" IN PARTNERSHIP WITH THE THAI RED CROSS SOCIETY AT THE PHETCHARAT-SUWATTHANA BUILDING, DIVISION OF STUDENT AFFAIRS.



THE ACTIVITY RECEIVED STRONG PARTICIPATION FROM STUDENTS, STAFF MEMBERS, AND VOLUNTEERS. A TOTAL OF 75 PARTICIPANTS JOINED THE CAMPAIGN, RESULTING IN THE COLLECTION OF 61 UNITS OF BLOOD, WHICH WERE DONATED TO THE THAI RED CROSS SOCIETY FOR USE IN SUPPORTING PATIENTS REQUIRING BLOOD TRANSFUSIONS AND EMERGENCY MEDICAL CARE.

THIS INITIATIVE REFLECTS SILPAKORN UNIVERSITY'S COMMITMENT TO PROMOTING VOLUNTEERISM, SOCIAL RESPONSIBILITY, AND COMMUNITY ENGAGEMENT AMONG STUDENTS AND STAFF, WHILE CONTRIBUTING TO PUBLIC HEALTH AND SUPPORTING THE NATIONAL BLOOD SUPPLY SYSTEM.

THE NEXT BLOOD DONATION CAMPAIGN WILL BE HELD ON 25 FEBRUARY 2026 AT THE PHETCHARAT-SUWATTHANA BUILDING, DIVISION OF STUDENT AFFAIRS.

RELATED SDGS : SDG 3, SDG 10, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1DYQNBWDI](https://www.facebook.com/share/p/1DYQNBWDI)



11. VOLUNTEER COMMUNITY DEVELOPMENT ACTIVITY IN COMMEMORATION OF HER ROYAL HIGHNESS PRINCESS MAHA CHAKRI SIRINDHORN'S BIRTHDAY ANNIVERSARY 2 APRIL 2026, THE DIVISION OF STUDENT AFFAIRS, SILPAKORN UNIVERSITY, LED STUDENTS TO PARTICIPATE IN A VOLUNTEER COMMUNITY DEVELOPMENT ACTIVITY HELD IN COMMEMORATION OF THE BIRTHDAY ANNIVERSARY OF HER ROYAL HIGHNESS PRINCESS MAHA CHAKRI SIRINDHORN.

THE ACTIVITY TOOK PLACE AT THE NAKHON PATHOM PROVINCIAL HALL, WHERE SILPAKORN UNIVERSITY STUDENTS WORKED ALONGSIDE GOVERNMENT AGENCIES IN NAKHON PATHOM PROVINCE TO IMPROVE AND BEAUTIFY THE LANDSCAPE SURROUNDING THE PROVINCIAL HALL. THROUGH THEIR PARTICIPATION, STUDENTS CONTRIBUTED TO ENHANCING PUBLIC SPACES, PROMOTING ENVIRONMENTAL STEWARDSHIP, AND DEMONSTRATING VOLUNTEERISM AND SOCIAL RESPONSIBILITY.



THIS INITIATIVE PROVIDED STUDENTS WITH HANDS-ON EXPERIENCE IN COMMUNITY SERVICE WHILE STRENGTHENING COLLABORATION BETWEEN THE UNIVERSITY AND LOCAL GOVERNMENT AGENCIES. THE ACTIVITY ALSO ENCOURAGED CIVIC ENGAGEMENT AND FOSTERED A SENSE OF RESPONSIBILITY TOWARD COMMUNITY DEVELOPMENT AND ENVIRONMENTAL SUSTAINABILITY.

RELATED SDGS : SDG 3, SDG 10, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1P6GTEIXL1](https://www.facebook.com/SHARE/P/1P6GTEIXL1)

12. CORRECTIONS KNOWLEDGE SHARING PROJECT

ON 29 AUGUST 2025, THE CENTRAL LIBRARY OF SILPAKORN UNIVERSITY ORGANIZED THE "CORRECTIONS KNOWLEDGE SHARING PROJECT" AT CHONBURI WOMEN'S CORRECTIONAL INSTITUTION TO PROMOTE LIFELONG LEARNING, VOCATIONAL SKILL DEVELOPMENT, AND EDUCATIONAL OPPORTUNITIES FOR INMATES.



THE PROJECT FEATURED WORKSHOPS ON UPCYCLING, HANDMADE NOTEBOOK PRODUCTION, COMMUNICATION AND PRESENTATION SKILLS, AS WELL AS A BOOK DONATION ACTIVITY THAT PROVIDED MORE THAN 500 BOOKS TO SUPPORT THE PRISON LIBRARY. PARTICIPANTS ALSO VISITED VOCATIONAL TRAINING AND LEARNING CENTERS WITHIN THE INSTITUTION.

THROUGH THIS INITIATIVE, SILPAKORN UNIVERSITY CONTRIBUTED TO IMPROVING INMATES' KNOWLEDGE, SKILLS, AND OPPORTUNITIES FOR SOCIAL REINTEGRATION, WHILE STRENGTHENING COLLABORATION BETWEEN THE UNIVERSITY AND CORRECTIONAL INSTITUTIONS.

RELATED SDGS : SDG 4, SDG 8, SDG 10, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/1D1IIM9XTN](https://www.facebook.com/SHARE/P/1D1IIM9XTN)

13. SEWING CUP SEWING HEART PROJECT

THE DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT, SILPAKORN UNIVERSITY, IN COLLABORATION WITH SABINA PUBLIC COMPANY LIMITED, ORGANIZED THE "SEWING CUP SEWING HEART" VOLUNTEER PROJECT. THE ACTIVITY PROVIDED STUDENTS WITH AN OPPORTUNITY TO PARTICIPATE IN THE PRODUCTION OF HANDMADE BREAST PROSTHESES FOR BREAST CANCER PATIENTS

THROUGH THIS INITIATIVE, STUDENTS CONTRIBUTED TO IMPROVING THE QUALITY OF LIFE AND EMOTIONAL WELL-BEING OF PATIENTS BY CREATING PROSTHESES THAT CAN BE USED FREE OF CHARGE. THE PROJECT ALSO FOSTERED VOLUNTEERISM, SOCIAL RESPONSIBILITY, COMPASSION, AND COMMUNITY ENGAGEMENT AMONG STUDENTS.



THE COLLABORATION BETWEEN THE UNIVERSITY AND THE PRIVATE SECTOR DEMONSTRATES HOW ACADEMIC INSTITUTIONS CAN CONTRIBUTE TO SOCIAL WELL-BEING WHILE ENCOURAGING STUDENTS TO APPLY THEIR SKILLS FOR THE BENEFIT OF SOCIETY.

RELATED SDGS : SDG 3, SDG 10, SDG 17

SOURCE : [HTTPS://SHORTURL.ASIA/B32QR](https://shorturl.asia/B32QR)

14. SILPAKORN GREEN MARKET PROMOTING COMMUNITY ECONOMY AND SUSTAINABLE CONSUMPTION



SILPAKORN UNIVERSITY, SANAM CHANDRA PALACE CAMPUS, NAKHON PATHOM PROVINCE, ORGANIZES THE SILPAKORN GREEN MARKET EVERY FRIDAY FROM 7:00 A.M. TO 12:00 P.M. AT SA KAEAO PAVILION. THE MARKET PROVIDES A PLATFORM FOR LOCAL FARMERS AND COMMUNITY ENTREPRENEURS TO SELL FRESH AGRICULTURAL PRODUCTS, FRUITS, VEGETABLES, AND PROCESSED GOODS DIRECTLY TO UNIVERSITY STAFF, STUDENTS, AND THE GENERAL PUBLIC.

THIS INITIATIVE SUPPORTS LOCAL LIVELIHOODS BY CREATING INCOME-GENERATING OPPORTUNITIES FOR COMMUNITY MEMBERS WHILE PROMOTING ACCESS TO FRESH, SAFE, AND AFFORDABLE FOOD. IT ALSO HELPS BRIDGE THE GAP BETWEEN PRODUCERS AND CONSUMERS AND STRENGTHENS COLLABORATION BETWEEN THE UNIVERSITY AND SURROUNDING COMMUNITIES.

THROUGH THIS ONGOING ACTIVITY, SILPAKORN UNIVERSITY CONTRIBUTES TO RESPONSIBLE CONSUMPTION PRACTICES AND SUPPORTS SUSTAINABLE LOCAL ECONOMIC DEVELOPMENT, FOSTERING STRONGER COMMUNITY ENGAGEMENT AND LONG-TERM SUSTAINABILITY.

RELATED SDGS : SDG 2, SDG 8, SDG 12, SDG 17

SOURCE : [HTTPS://WWW.FACEBOOK.COM/SHARE/P/18QQ9GRJ5](https://www.facebook.com/SHARE/P/18QQ9GRJ5)

6.16

NUMBER OF SUSTAINABILITY-RELATED STARTUPS

จำนวนการจัดโครงการของนักศึกษาในรูปแบบสตาร์ทอัพ(STARTUPS) ที่เกี่ยวข้องกับความยั่งยืน

No.	Startup Project / Startup Name	Startup Completion Year / Date of Activity in Exhibition Booth	Supplementation Product	Revenue of Startup Category
1.	COCO CLACK	2025	Under Limited Public Company (Students from the Faculty of Animal Science and Agricultural Technology) Innovation Contest of "Theater for Social Innovation (Theater for Social Change)"	USD 501
2.	LADA AROMATIC	2025	Ranked as one of the Top 20 Startups in Smart Start 2025 by GSB Startup 2025 and received funding support for prototype development toward commercialization	USD 51
3.	Y2C (WHY TO CLAY)	2025	An implementation of students' creativity in Startup Thailand League 2025, developing sustainable ceramic products using local clay and natural pigments	USD 501
4.	MEALGEN	2025	A health-oriented coffee beverage innovation supporting research activities among staff members	00
5.	MEOVVMUN	2025	An smart sustainable device with a mobile application to detect early signs of food poisoning and prevent food waste	USD 50
6.	MITRA	2025	An natural-based oil alternative that reduces chemical usage and promotes waste biodegradability	USD 501
7.	CHORFAH STUDIO	4-6 July 2025	A gelatin-forming product innovation that received funding support for prototype development under Startup Thailand League 2025	00
8.	CHORFAH STUDIO	2025	An environmental friendliness Business Innovation of Silpakorn University who won the 1st Prize in the UBI-CON 2025 Regional Competition under the 1st Prize of 1st category	USD 51

SILPAKORN UNIVERSITY ACTIVELY PROMOTES SUSTAINABILITY-RELATED ENTREPRENEURSHIP AND INNOVATION THROUGH BOTH STARTUP DEVELOPMENT PROGRAMS AND INNOVATION PITCHING ACTIVITIES. THE UNIVERSITY SUPPORTS STUDENTS, GRADUATES, AND YOUNG ENTREPRENEURS THROUGH ENTREPRENEURSHIP TRAINING, BUSINESS INCUBATION, STARTUP COMPETITIONS, PROTOTYPE DEVELOPMENT FUNDING, EXPERT MENTORING, AND NETWORKING OPPORTUNITIES. THESE INITIATIVES ENCOURAGE PARTICIPANTS TO TRANSFORM INNOVATIVE IDEAS INTO PRACTICAL PRODUCTS, SERVICES, AND BUSINESS VENTURES THAT CONTRIBUTE TO SUSTAINABLE DEVELOPMENT.

DURING THE REPORTING PERIOD, SILPAKORN UNIVERSITY SUPPORTED VARIOUS SUSTAINABILITY-RELATED STARTUP PROJECTS AND ENTREPRENEURIAL INITIATIVES, INCLUDING ENTREPRENEURS SILPAKORN, STARTUP THAILAND LEAGUE 2025, SMART START IDEA BY GSB STARTUP 2025, UBI-SOFT POWER 2025 REGIONAL COMPETITION, AND STARTUP TEAMS SUCH AS COCO CLACK, LADA AROMATIC, Y2C (WHY TO CLAY), MEALGEN, NGAO-JANG (NEARBY GUARDIAN), MEOVVMUN, MITRA, AND CHORFAH STUDIO. THESE PROJECTS ADDRESS A WIDE RANGE OF SUSTAINABILITY DIMENSIONS, INCLUDING SUSTAINABLE CONSUMPTION AND PRODUCTION, WASTE REDUCTION, ENVIRONMENTAL INNOVATION, HEALTH AND WELL-BEING, THE CREATIVE ECONOMY, AND COMMUNITY DEVELOPMENT.

IN ADDITION, THE UNIVERSITY SUPPORTED AND ORGANIZED THE INNOVATION BUSINESS PITCHING COMPETITION UNDER THE THEMES OF LOW CARBON SOCIETY, CARBON NEUTRALITY, AND THE SUSTAINABLE DEVELOPMENT GOALS (SDGS) AS PART OF "SILPSEE SILPAKORN: THE PRESTIGE OF KNOWLEDGE IN RESEARCH, INNOVATION, AND CREATIVITY (RIC DAY 2026)." AWARD-WINNING STUDENT INNOVATIONS INCLUDED AN AIR-CONDITIONING-SUPPORTING PLANTER FOR LANDFILL SITES, SOUND-ABSORBING ACOUSTIC PANELS, A SMART TREE AND CARBON HARVESTING MACHINE, ARTIFICIAL NESTING CAVITIES FOR HORNBILLS, AND A WILDFIRE PROTECTION DEVICE FOR SMALL WILDLIFE. THESE INNOVATIONS CONTRIBUTE TO ENVIRONMENTAL MANAGEMENT, CLIMATE CHANGE MITIGATION, BIODIVERSITY CONSERVATION, AND SUSTAINABLE DEVELOPMENT.



THESE STARTUP AND INNOVATION PITCHING ACTIVITIES DEMONSTRATE SILPAKORN UNIVERSITY'S STRONG COMMITMENT TO FOSTERING AN ECOSYSTEM OF ENTREPRENEURSHIP AND SUSTAINABILITY-ORIENTED INNOVATION. THEY PROVIDE VALUABLE OPPORTUNITIES FOR STUDENTS AND YOUNG ENTREPRENEURS TO DEVELOP THEIR POTENTIAL AND CREATE POSITIVE ECONOMIC, SOCIAL, AND ENVIRONMENTAL IMPACTS IN ALIGNMENT WITH THE SUSTAINABLE DEVELOPMENT GOALS (SDGS), PARTICULARLY SDGS 4, 8, 9, 11, 12, 13, AND 15.

6.17 TOTAL NUMBER OF GRADUATES WITH GREEN JOBS (LAST 3 YEARS)

จำนวนบัณฑิตทั้งหมดที่ทำงานในอาชีพเกี่ยวกับด้านสิ่งแวดล้อมในช่วง 3 ปีที่ผ่านมา

No.	Faculty	Bachelor's Degree (AY 2023-2025)	Master's Degree (AY 2023-2025)	Doctoral Degree (AY 2023-2025)	Total
1	Faculty of Arts	7	-	-	7
2	Faculty of Education	3	-	-	3
3	Faculty of Science	72	5	2	79
4	Faculty of Engineering and Industrial Technology	10	3	-	13
5	Faculty of Animal Sciences and Agricultural Technology	10	3	-	13
6	Faculty of Management Science	10	-	-	10
7	Faculty of Information and Communication Technology (ICT)	3	-	-	3
Total		115	9	2	122

DURING ACADEMIC YEARS 2023-2026, SILPAKORN UNIVERSITY RECORDED A TOTAL OF 122 GRADUATES EMPLOYED IN ENVIRONMENT-RELATED OCCUPATIONS. OF THESE, 111 WERE BACHELOR'S DEGREE GRADUATES, 9 WERE MASTER'S DEGREE GRADUATES, AND 2 WERE DOCTORAL DEGREE GRADUATES.

THE FACULTY OF SCIENCE CONTRIBUTED THE HIGHEST NUMBER OF GRADUATES EMPLOYED IN ENVIRONMENT-RELATED OCCUPATIONS, WITH 79 GRADUATES (72 BACHELOR'S, 5 MASTER'S, AND 2 DOCTORAL GRADUATES), ACCOUNTING FOR APPROXIMATELY 64.8% OF THE TOTAL. THIS WAS FOLLOWED BY THE FACULTY OF ANIMAL SCIENCES AND AGRICULTURAL TECHNOLOGY WITH 13 GRADUATES, AND THE FACULTY OF ENGINEERING AND INDUSTRIAL TECHNOLOGY WITH 11 GRADUATES.

THE FACULTY OF MANAGEMENT SCIENCE AND THE FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) CONTRIBUTED 10 AND 1 GRADUATES RESPECTIVELY, WHILE THE FACULTY OF ARTS AND THE FACULTY OF EDUCATION REPORTED 7 AND 1 GRADUATES EMPLOYED IN ENVIRONMENT-RELATED OCCUPATIONS.

THESE RESULTS DEMONSTRATE THE UNIVERSITY'S CONTRIBUTION TO DEVELOPING HUMAN RESOURCES FOR ENVIRONMENTAL AND SUSTAINABILITY-RELATED SECTORS THROUGH MULTIDISCIPLINARY ACADEMIC PROGRAMS.

6.18 TOTAL NUMBER OF GRADUATES (FOR THE LAST 3 YEARS)

จำนวนผู้สำเร็จการศึกษาทั้งหมด

No.	Faculty	Bachelor's Degree (AY 2023-2025)	Master's Degree (AY 2023-2025)	Doctoral Degree (AY 2023-2025)	Total
1	Faculty of Arts	1,000	100	10	1,110
2	Faculty of Education	1,000	100	10	1,110
3	Faculty of Science	1,000	100	10	1,110
4	Faculty of Engineering and Industrial Technology	1,000	100	10	1,110
5	Faculty of Animal Sciences and Agricultural Technology	1,000	100	10	1,110
6	Faculty of Management Science	1,000	100	10	1,110
7	Faculty of Information and Communication Technology (ICT)	1,000	100	10	1,110
Total		18,072	1,274	582	19,928

DURING THE ACADEMIC YEARS 2023-2025 (AY 2023-2025), SILPAKORN UNIVERSITY PRODUCED A TOTAL OF 18,072 GRADUATES, INCLUDING 16,216 BACHELOR'S DEGREE GRADUATES, 1,274 MASTER'S DEGREE GRADUATES, AND 582 DOCTORAL DEGREE GRADUATES.

THE FACULTY OF MANAGEMENT SCIENCE RECORDED THE HIGHEST NUMBER OF GRADUATES, FOLLOWED BY THE FACULTY OF ARTS, THE FACULTY OF EDUCATION, AND THE FACULTY OF SCIENCE. THESE FIGURES REFLECT THE UNIVERSITY'S STRONG ACADEMIC CAPACITY AND ITS ABILITY TO PRODUCE GRADUATES ACROSS A BROAD RANGE OF DISCIPLINES.

THE SUSTAINED NUMBER OF GRADUATES OVER THE THREE-YEAR PERIOD DEMONSTRATES SILPAKORN UNIVERSITY'S COMMITMENT TO PROVIDING QUALITY HIGHER EDUCATION AND DEVELOPING HIGHLY QUALIFIED HUMAN RESOURCES TO MEET THE NEEDS OF THE LABOR MARKET AND CONTRIBUTE TO SUSTAINABLE NATIONAL DEVELOPMENT.

6.19 PERCENTAGE OF GRADUATES WITH GREEN JOBS (LAST 3 YEARS)

ร้อยละของบัณฑิตที่ได้ทำงานในอาชีพสีเขียวในช่วง 3 ปีที่ผ่านมา

DURING ACADEMIC YEARS 2023-2026, THE FACULTY OF SCIENCE, SILPAKORN UNIVERSITY, PRODUCED A TOTAL OF 1,882 GRADUATES, OF WHOM 941 GRADUATES RESPONDED TO THE GRADUATE EMPLOYMENT SURVEY. AMONG THE RESPONDENTS, 79 GRADUATES WERE EMPLOYED IN GREEN JOBS, INCLUDING OCCUPATIONS RELATED TO ENVIRONMENTAL MANAGEMENT, NATURAL RESOURCE CONSERVATION, ENVIRONMENTAL SCIENCE, ECOLOGY, SUSTAINABLE AGRICULTURE, ENVIRONMENTAL ENGINEERING, AND OTHER SUSTAINABILITY-RELATED FIELDS.

THE PROPORTION OF GRADUATES EMPLOYED IN GREEN JOBS ACCOUNTED FOR 4.20% OF ALL SCIENCE GRADUATES AND 8.40% OF THE SURVEY RESPONDENTS. THESE FIGURES REFLECT THE FACULTY'S CONTRIBUTION TO PRODUCING GRADUATES WHO SUPPORT ENVIRONMENTAL SUSTAINABILITY AND THE TRANSITION TOWARD A GREEN ECONOMY.

Basic Information	AY 2023	AY 2024	AY 2025	AY 2026
Number of Science Graduates	545	559	560	258
Number of Survey Respondents	247	227	249	258
Percentage of Survey Respondents (%)	45.32	40.61	44.46	100
Number of Graduates Pursuing Further Studies	-	-	-	3
Number of Unemployed Graduates (excluding those pursuing further studies)	-	-	-	6
Number of Employed Graduates (n=)	247	227	249	209
Employment Rate (%)	45.32	40.61	44.46	95.87
Number of Graduates Employed in Green Jobs (n=)	17	14	20	28
Percentage of Graduates Employed in Green Jobs out of Total Survey Respondents (%)	3.52	2.50	3.57	12.84
Percentage of Graduates Employed in Green Jobs out of Total Science Graduates (%)	6.88	6.17	8.03	12.84

AT THE UNIVERSITY LEVEL, SILPAKORN UNIVERSITY PRODUCED A TOTAL OF 19,787 GRADUATES DURING ACADEMIC YEARS 2023-2026. AMONG THEM, 122 GRADUATES WERE EMPLOYED IN GREEN JOBS, REPRESENTING 0.62% OF ALL GRADUATES. THE FACULTY OF SCIENCE CONTRIBUTED THE LARGEST SHARE OF GRADUATES EMPLOYED IN GREEN JOBS, ACCOUNTING FOR 79 GRADUATES (64.75% OF ALL GREEN JOB GRADUATES IDENTIFIED BY THE UNIVERSITY). THIS HIGHLIGHTS THE STRONG CONNECTION BETWEEN SCIENCE-BASED EDUCATION AND SUSTAINABILITY-ORIENTED CAREERS.

THESE OUTCOMES DEMONSTRATE THE UNIVERSITY'S COMMITMENT TO DEVELOPING HUMAN RESOURCES THAT CONTRIBUTE TO ENVIRONMENTAL PROTECTION, SUSTAINABLE RESOURCE MANAGEMENT, CLIMATE RESILIENCE, AND THE ACHIEVEMENT OF THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGs).

6.20 IMPACT OF EDUCATION AND RESEARCH PROGRAMS IN SUPPORTING THE SDGs

ผลกระทบของโครงการด้านการศึกษาและการวิจัยในการสนับสนุนเป้าหมายการพัฒนาที่ยั่งยืน



SILPAKORN UNIVERSITY CONTINUOUSLY INTEGRATES SUSTAINABILITY PRINCIPLES INTO EDUCATION, RESEARCH, INNOVATION, ACADEMIC SERVICES, AND COMMUNITY ENGAGEMENT TO ADVANCE THE ACHIEVEMENT OF THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (SDGs). THROUGH INTERDISCIPLINARY EDUCATION, RESEARCH AND INNOVATION, SUSTAINABILITY-ORIENTED TRAINING, ENTREPRENEURSHIP, COMMUNITY ENGAGEMENT, AND STRATEGIC PARTNERSHIPS, THE UNIVERSITY PROMOTES KNOWLEDGE CREATION, CAPACITY BUILDING, ENVIRONMENTAL STEWARDSHIP, SOCIAL RESPONSIBILITY, AND PRACTICAL SOLUTIONS THAT ADDRESS SUSTAINABILITY CHALLENGES AT THE LOCAL, NATIONAL, AND GLOBAL LEVELS.



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ในการจัดอันดับ
THE Impact Rankings 2025

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THE EXAMPLES PRESENTED IN THIS REPORT HIGHLIGHT SELECTED EDUCATION AND RESEARCH INITIATIVES UNDERTAKEN BY FACULTIES, RESEARCH UNITS, ADMINISTRATIVE OFFICES, AND ACADEMIC SUPPORT ORGANIZATIONS ACROSS THE UNIVERSITY. THESE INITIATIVES DEMONSTRATE HOW SUSTAINABILITY HAS BEEN EMBEDDED THROUGHOUT THE UNIVERSITY'S CORE MISSIONS, INCLUDING TEACHING AND LEARNING, SCIENTIFIC RESEARCH, INNOVATION, TECHNOLOGY DEVELOPMENT, ACADEMIC SERVICES, INSTITUTIONAL GOVERNANCE, STUDENT DEVELOPMENT, AND COMMUNITY OUTREACH.

THE INITIATIVES GENERATE TANGIBLE IMPACTS ACROSS A WIDE RANGE OF SUSTAINABILITY DIMENSIONS. THEY CONTRIBUTE TO CLIMATE-CHANGE MITIGATION THROUGH GREENHOUSE GAS MANAGEMENT AND RENEWABLE ENERGY, PROMOTE CLEAN WATER MANAGEMENT AND POLLUTION CONTROL, ENCOURAGE CIRCULAR ECONOMY AND RESOURCE EFFICIENCY, STRENGTHEN BIODIVERSITY CONSERVATION AND ECOSYSTEM RESTORATION, ADVANCE SUSTAINABLE AGRICULTURE AND FOOD SECURITY, IMPROVE PUBLIC HEALTH AND EMERGENCY PREPAREDNESS, FOSTER INCLUSIVE AND EQUITABLE EDUCATION, PROMOTE GENDER EQUALITY AND WOMEN'S LEADERSHIP, SUPPORT SOCIAL ASSISTANCE FOR ECONOMICALLY DISADVANTAGED STUDENTS, ENCOURAGE ETHICAL GOVERNANCE AND INSTITUTIONAL TRANSPARENCY, STRENGTHEN ENTREPRENEURSHIP AND SUSTAINABLE INNOVATION, AND EXPAND MULTI-STAKEHOLDER PARTNERSHIPS AT NATIONAL AND INTERNATIONAL LEVELS.

FURTHERMORE, SILPAKORN UNIVERSITY ENHANCES SUSTAINABILITY LITERACY THROUGH WORKSHOPS, SEMINARS, SHORT COURSES, STUDENT CAMPS, EXPERIENTIAL LEARNING ACTIVITIES, INNOVATION COMPETITIONS, AND COMMUNITY-BASED LEARNING PROGRAMS THAT EMPOWER STUDENTS, STAFF, AND COMMUNITIES TO DEVELOP PRACTICAL SOLUTIONS FOR SUSTAINABLE DEVELOPMENT.

COLLECTIVELY, THESE INITIATIVES DEMONSTRATE SILPAKORN UNIVERSITY'S COMPREHENSIVE CONTRIBUTION TO ALL 17 SUSTAINABLE DEVELOPMENT GOALS (SDGs), INCLUDING SDG 1 (NO POVERTY), SDG 2 (ZERO HUNGER), SDG 3 (GOOD HEALTH AND WELL-BEING), SDG 4 (QUALITY EDUCATION), SDG 5 (GENDER EQUALITY), SDG 6 (CLEAN WATER AND SANITATION), SDG 7 (AFFORDABLE AND CLEAN ENERGY), SDG 8 (DECENT WORK AND ECONOMIC GROWTH), SDG 9 (INDUSTRY, INNOVATION AND INFRASTRUCTURE), SDG 10 (REDUCED INEQUALITIES), SDG 11 (SUSTAINABLE CITIES AND COMMUNITIES), SDG 12 (RESPONSIBLE CONSUMPTION AND PRODUCTION), SDG 13 (CLIMATE ACTION), SDG 14 (LIFE BELOW WATER), SDG 15 (LIFE ON LAND), SDG 16 (PEACE, JUSTICE AND STRONG INSTITUTIONS), AND SDG 17 (PARTNERSHIPS FOR THE GOALS).

THESE EXAMPLES REFLECT THE UNIVERSITY'S ONGOING COMMITMENT TO INTEGRATING SUSTAINABILITY INTO EVERY ASPECT OF ITS OPERATIONS WHILE GENERATING MEASURABLE SOCIAL, ENVIRONMENTAL, ECONOMIC, AND INSTITUTIONAL IMPACTS THAT CONTRIBUTE TO SUSTAINABLE DEVELOPMENT AND SUPPORT THE GLOBAL SDG AGENDA.



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High rankings in SDGs



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7

UI GREEN METRIC SUSTAINABILITY REPORT 2026

SILPAKORN UNIVERSITY

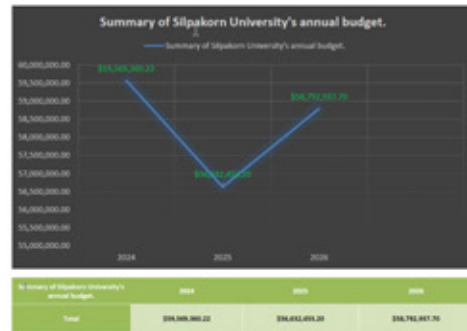
SANAM CHANDRA PALACE | PHETCHABURI INFORMATION TECHNOLOGY

GD

GOUVERNANCE AND DIGITALIZATION

7.1 TOTAL UNIVERSITY BUDGET (USD)

งบประมาณรวมของมหาวิทยาลัยในช่วง 3 ปีที่ผ่านมา



BY CONVERTING THE BUDGET AMOUNT TO US DOLLARS AS OF JUNE 23, 2026.

7.2 UNIVERSITY BUDGET FOR SUSTAINABILITY EFFORTS (USD)

งบประมาณของมหาวิทยาลัยสำหรับการดำเนินงานด้านความยั่งยืน

Project details are confirmed	Budget for fiscal year 2026
Environmental	
Developing an environment that emphasizes natural resource conservation (Faculty of Architecture).	\$ 89,828.43
Cultural and Arts Exhibition Project	\$ 8,982.84
Green Office Project (Digital Technology Division)	\$ 5,988.56
Carbon Footprint Project (Digital Technology Division)	\$ 5,988.56
Developing an environment that emphasizes the conservation of natural resources (Strategy 2)	\$ 95,816.99
Integrated Arts and Culture Project (International Music Festival)	\$ 74,857.02
Establishing collaborations with external organizations in arts, culture, and innovation.	\$ 14,971.41
Arts and Culture Preservation Work	\$ 1,796.57
Social	
Integrated research project for society and community, and promotion of research networks for sustainability.	\$ 20,359.97
Integrated Research Project for Social and Community Development	\$ 59,885.62
Developing a digital management platform (supporting sustainability)	\$ 7,485.70
Environmental	
Strategic Plan 3 (Creating a research and innovation ecosystem for social sustainability)	\$ 118,693.30
Governance	
Improving the quality of university journals.	\$ 17,365.69
Promoting the presentation of research abroad (SDG)	\$ 35,931.37
Presenting research and innovation related to SDG 9.	\$ 11,977.12
To honor and commend those with outstanding research achievements.	\$ 8,533.79
Developing the capacity of ethics assessors for human research (SDG 16)	\$ 1,048.00
Training on the use of animals in scientific research according to international standards.	\$ 299.43
Treasury Department (Strategy 3)	\$ 12,300,959.67
Office of the President (Strategy 3)	\$ 2,428,781.09
Office of the President (Strategy 2 - Research and Creative Fund for the Community)	\$ 89,828.43
University Resource Management (Strategy 3)	\$ 70,895.59
Planning Division (Strategy 2 - Natural Resource Conservation)	\$ 22,457.11
Develop a digital platform for managing and developing support staff programs.	\$ 23,354.25
Silpakorn Summer School Program (Building International SMIs)	\$ 47,908.50
Alumni Academic Project (International Academic Forum)	\$ 23,354.25
Supporting the implementation of AUN-QA/EFEx criteria (Educational Quality Development).	\$ 14,971.41
Revise and develop the curriculum.	\$ 14,971.41
Governance	
Thapakorn Academic Project (Integrated Knowledge Based on SDGs)	\$ 7,485.70
Promoting SMARTS research networks.	\$ 1,497.34
Project to enhance capacity/promote creative research and dissemination of results.	\$ 274,875.00
Community service	\$ 64,307.56
Community service academic work (Digital Technology Division)	\$ 29,942.81
Total	\$ 6,926,700.18

THE BUDGET HAS BEEN CONVERTED TO US DOLLARS AS OF JUNE 26, 2026.

7.3 PERCENTAGE OF UNIVERSITY BUDGET FOR SUSTAINABILITY EFFORTS

ร้อยละของงบประมาณมหาวิทยาลัยที่ใช้สำหรับการดำเนินงานด้านความยั่งยืน

	2024	2025	2026	Average
Budget Total	\$ 62,945,856.69	\$ 55,823,589.54	\$ 56,439,249.97	\$ 56,402,898.61
Sustainability Budget	\$ 6,924,044.24	\$ 6,927,707.41	\$ 6,926,700.18	\$ 6,926,150.61
Percentage	11.00%	12.42%	12.27%	11.86%

THE AVERAGE PERCENTAGE UNIVERSITY BUDGET FOR OUR UNIVERSITY IS 11.86%

THE BUDGET HAS BEEN CONVERTED TO US DOLLARS AS OF JUNE 26, 2026.

7.4 UNIVERSITY RUN SUSTAINABILITY WEBSITE

เว็บไซต์ด้านความยั่งยืนที่มหาวิทยาลัยจัดทำ



SUSTAINABILITY17COLLABORATE TO ACHIEVE THE SUSTAINABLE DEVELOPMENT GOALS - SUSTAINABILITY
 URL: [HTTPS://SUSTAINABILITY.SU.AC.TH/?PAGE_ID=546](https://sustainability.su.ac.th/?PAGE_ID=546)

7.5 SUSTAINABILITY WEBSITE ADDRESS (URL)

ที่อยู่เว็บไซต์ด้านความยั่งยืน



SILPAKORN UNIVERSITY SUSTAINABILITY REPORT
 URL: [HTTPS://SUSTAINABILITY.SU.AC.TH/](https://sustainability.su.ac.th/)

7.6 SUSTAINABILITY WEBSITE ADDRESS (URL)

ที่อยู่เว็บไซต์ด้านความยั่งยืน



SILPAKORN UNIVERSITY SUSTAINABILITY REPORT
 URL: [HTTPS://SUSTAINABILITY.SU.AC.TH/?PAGE_ID=546](https://sustainability.su.ac.th/?PAGE_ID=546)

7.7 FINANCIAL REPORT URL

ลิงก์รายงานทางการเงิน



SILPAKORN UNIVERSITY SUSTAINABILITY REPORT
 URL: [HTTPS://SUSTAINABILITY.SU.AC.TH/?PAGE_ID=2648](https://sustainability.su.ac.th/?PAGE_ID=2648)

7.8 FINANCIAL REPORT URL

ลิงก์รายงานทางการเงิน



WEBSITE OF THE FINANCE DIVISION, SILPAKORN UNIVERSITY: FINANCIAL REPORTS AND REPORTS FROM A CERTIFIED PUBLIC ACCOUNTANT.

URL: [HTTPS://PRESIDENT.SU.AC.TH/FINANCE/?P=2919](https://president.su.ac.th/finance/?P=2919)

7.9 FINANCIAL REPORT URL

ลิงก์รายงานทางการเงิน

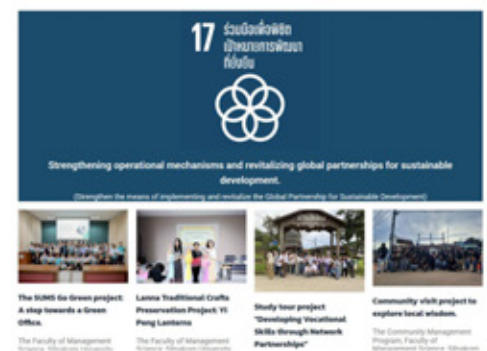


WEBSITE OF THE FINANCE DIVISION, SILPAKORN UNIVERSITY: ANNUAL FISCAL YEAR REPORT.

URL: [HTTPS://PRESIDENT.SU.AC.TH/FINANCE/?P=2919](https://president.su.ac.th/finance/?P=2919)

7.10 AVAILABILITY OF UNIT OR OFFICE THAT CO-ORDINATE SUSTAINABILITY ON CAMPUS

หน่วยงานหรือสำนักงานที่รับผิดชอบประสานงานด้านความยั่งยืนภายในมหาวิทยาลัย



AVAILABILITY OF UNIT OR OFFICE THAT COORDINATE SUSTAINABILITY ON CAMPUS
 URL: [HTTPS://SUSTAINABILITY.SU.AC.TH/?PAGE_ID=546](https://sustainability.su.ac.th/?PAGE_ID=546)

7.11 NUMBER OF DEDICATED STAFF MEMBERS ASSIGNED TO THE UNIT OR OFFICE RESPONSIBLE FOR COORDINATING SUSTAINABILITY INITIATIVES ON CAMPUS

จำนวนบุคลากรที่รับผิดชอบเฉพาะในการสนับสนุนการประสานงานด้านความยั่งยืน



สำนักงานอธิการบดี
เลขที่ 1662/2568
เรื่อง แต่งตั้งคณะกรรมการขับเคลื่อนการดำเนินงาน UI Green Metric
ในการขับเคลื่อนงานด้านความยั่งยืน ปี พ.ศ. 2568

ด้วย มหาวิทยาลัยศิลปากร ให้ความสำคัญในการขับเคลื่อนการดำเนินงานด้านความยั่งยืน (Sustainability) ตามพันธกิจของมหาวิทยาลัย ในการเป็น Art and Science for Green Campus พร้อมทั้งเป็นที่ยอมรับจากประชาคมโลกในด้านความยั่งยืน (Sustainability) โดยมหาวิทยาลัยศิลปากรได้มีมติแต่งตั้งคณะกรรมการขับเคลื่อนการดำเนินงาน UI Green Metric โดยมี นายวิชาญ นิลรัตน์ เป็นประธานกรรมการ และมีกรรมการประกอบด้วย 1) นายวิชาญ นิลรัตน์ 2) นายวิชาญ นิลรัตน์ 3) นายวิชาญ นิลรัตน์ 4) นายวิชาญ นิลรัตน์ 5) นายวิชาญ นิลรัตน์ 6) นายวิชาญ นิลรัตน์ 7) นายวิชาญ นิลรัตน์ 8) นายวิชาญ นิลรัตน์ 9) นายวิชาญ นิลรัตน์ 10) นายวิชาญ นิลรัตน์ 11) นายวิชาญ นิลรัตน์ 12) นายวิชาญ นิลรัตน์

ในการนี้ เพื่อให้การดำเนินงานขับเคลื่อนการดำเนินงานด้านความยั่งยืนเป็นไปอย่างมีประสิทธิภาพ จึงมีมติแต่งตั้งคณะกรรมการขับเคลื่อนการดำเนินงาน UI Green Metric ในการขับเคลื่อนงานด้านความยั่งยืน ปี พ.ศ. 2568 โดยมีนายวิชาญ นิลรัตน์เป็นประธานกรรมการ

1. นายวิชาญ นิลรัตน์
2. นายวิชาญ นิลรัตน์
3. นายวิชาญ นิลรัตน์
4. นายวิชาญ นิลรัตน์
5. นายวิชาญ นิลรัตน์
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10. นายวิชาญ นิลรัตน์
11. นายวิชาญ นิลรัตน์
12. นายวิชาญ นิลรัตน์

1/31 ผู้เสนอพิจารณา...

SILPAKORN UNIVERSITY HAS ESTABLISHED A ROBUST, MULTI-TIERED GOVERNANCE FRAMEWORK TO DRIVE, COORDINATE, AND MONITOR CAMPUS-WIDE SUSTAINABILITY INITIATIVES UNDER THE UI GREEN-METRIC FRAMEWORK. THIS STRUCTURED APPROACH OPERATES AT BOTH THE UNIVERSITY-WIDE LEVEL AND THE CAMPUS-SPECIFIC LEVEL:

CAMPUS-LEVEL IMPLEMENTATION SUBCOMMITTEE (NO. 0078/2026): TO ENSURE EFFECTIVE LOCALIZED EXECUTION, PARTICULARLY AT THE SANAM CHANDRA PALACE CAMPUS, A DEDICATED SUBCOMMITTEE WAS OFFICIALLY APPOINTED UNDER ORDER NO. 0078/2569. THIS SUBCOMMITTEE CONSISTS OF 14 DEDICATED STAFF MEMBERS, COMPRISING ACADEMIC AND ADMINISTRATIVE PERSONNEL, OPERATIONAL OFFICERS, AND COORDINATORS/SECRETARIES. THIS TEAM IS ACTIVELY RESPONSIBLE FOR IMPLEMENTING, MONITORING, AND REPORTING DAILY SUSTAINABILITY PRACTICES ACROSS ALL KEY CATEGORIES ON CAMPUS.

UNIVERSITY-WIDE STEERING COMMITTEE (NO. 1662/2025): UNDER THE UNIVERSITY ORDER NO. 1662/2568, A CENTRAL COMMITTEE HAS BEEN OFFICIALLY APPOINTED TO OVERSEE THE OVERARCHING SUSTAINABILITY STRATEGY. THIS STEERING BODY CONSISTS OF 27 ACTIVE COMMITTEE MEMBERS (EXCLUDING THE ADVISORY BOARD) REPRESENTING VARIOUS FACULTIES AND DIVISIONS. AMONG THEM, 4 DEDICATED STAFF MEMBERS FROM THE SANAM CHANDRA PALACE CAMPUS OFFICE SERVE AS THE CORE SECRETARIAT TEAM, DIRECTLY RESPONSIBLE FOR UNIVERSITY-WIDE COORDINATION, GATHERING EVIDENCE, AND COLLECTING SUSTAINABILITY DATA.

TOGETHER, THESE OFFICIAL EXECUTIVE ORDERS DEMONSTRATE SILPAKORN UNIVERSITY'S STRONG ADMINISTRATIVE COMMITMENT, SUPPORTED BY DEDICATED PERSONNEL AT ALL LEVELS, ENSURING SEAMLESS COORDINATION AND THE SUCCESSFUL EXECUTION OF GREEN INITIATIVES THROUGHOUT THE INSTITUTION.

7.12 USE OF ICT FOR SUSTAINABILITY PROGRAM PLANNING, IMPLEMENTATION, MONITORING AND EVALUATION

การใช้เทคโนโลยีสารสนเทศและการสื่อสาร (ICT) สำหรับการวางแผน การดำเนินงาน การติดตาม และการประเมินผลโครงการด้านความยั่งยืน

No	Initiative	Function	Brief Description	Screenshot or link of evidence
1	SharePoint	Monitoring & Evaluation	It serves as a central hub for document management, data storage, and collaboration within the organization. Integrating with Microsoft 365, it enables teams to securely and systematically share files, communicate information, and track topics.	screenshot/link
2	Website BDT green office	Planning & Implementation	It is an environmentally friendly office management and evaluation platform designed to help organizations save energy, reduce waste, and decrease greenhouse gas emissions, based on established operating principles and standards.	screenshot/link

7.13 POLICY OF ADVANCED DIGITAL TECHNOLOGIES USAGE, SUCH AS ARTIFICIAL INTELLIGENCE AND INTERNET OF THINGS, TO SUPPORT DECISION-MAKING, OPERATIONAL EFFICIENCY, AND SERVICE DELIVERY ACROSS UNIVERSITY ADMINISTRATIVE AND ACADEMIC BUSINESS PROCESSES.

นโยบายการใช้เทคโนโลยีดิจิทัลขั้นสูง เช่น ปัญญาประดิษฐ์(AI) และอินเทอร์เน็ตของสรรพสิ่ง(IOT) เพื่อสนับสนุนการตัดสินใจเพิ่มประสิทธิภาพการดำเนินงานและการให้บริการในกระบวนการบริหารและงานวิชาการของมหาวิทยาลัย

No	Initiative	Policy Basis	Implementation Scope	Evidence
1	Policy for providing personnel with training in advanced digital technologies and artificial intelligence (AI).	Sector Regulation on AI, Data Governance, and Digital Services	Applies to all faculties and administrative units	ARTIFICIAL INTELLIGENCE

URL: [HTTPS://PRESIDENT.SU.AC.TH/PERSONNEL/?PAGE_ID=14608](https://president.su.ac.th/personnel/?page_id=14608)

7.14 COMPLIANCE WITH THE GENERAL DATA PROTECTION REGULATION (GDPR) OR EQUIVALENT NATIONAL DATA PROTECTION REGULATIONS

การปฏิบัติตามกฎระเบียบคุ้มครองข้อมูลส่วนบุคคลทั่วไป(GDPR) หรือกฎหมายคุ้มครองข้อมูลส่วนบุคคลระดับชาติที่เทียบเท่า

Courses and faculties About the university other

Privacy Policy

Silpakorn University places great importance on the protection of personal data of website users. This privacy policy is established to define the principles, methods, and practices for the collection, use, disclosure, and protection of personal data of Silpakorn University website users in accordance with relevant laws and regulations, including the Personal Data Protection Act B.E. 2562 (2019).

- 1. Collection of personal data.**
Silpakorn University may collect personal information from website users as necessary for its operations.
- 2. Purpose of using personal data.**
Silpakorn University will use users' personal information for the following purposes:
- 3. Disclosure of personal information.**
Silpakorn University will not disclose users' personal information to external parties.
- 4. Measures for maintaining data security.**
Silpakorn University has implemented appropriate technical, administrative, and organizational measures to maintain the security of personal data and prevent unauthorized access, use, alteration, disclosure, or loss of data.
- 5. Rights of Data Subjects**
Data subjects have rights as prescribed by law, such as:
- 6. Updating the privacy policy.**
Silpakorn University reserves the right to amend, change, or revise this Privacy Policy as it deems appropriate, and will notify users through the university's website.

URL: [HTTPS://WWW-DEMO.SU.AC.TH/PRIVACY-POLICY](https://www-demo.su.ac.th/privacy-policy)

7.15 TOTAL NUMBER OF INSTITUTIONAL LEADERS AND DEPUTY LEADERS

จำนวนของผู้ดำรงตำแหน่งบริหารในทุกระดับของมหาวิทยาลัยศิลปากร ได้แก่ อธิการบดี รองอธิการบดี ผู้ช่วยอธิการบดี คณบดี และรองคณบดี

HOME ABOUT FACULTY APPLICATIONS DEPARTMENTS CONTACT US

ABOUT

University Administrators

UNIVERSITY ADMINISTRATORS: MEMBER OF THE COUNCIL, PRESIDENT OFFICE, DEAN, HEAD OF SCHOOL EQUIVALENT TO FACULTY, HEAD OF DEPARTMENTS WHO DIRECTLY REPORT TO THE PRESIDENT, HEAD OF DEPARTMENTS, DIRECTOR OF THE DIVISION

President

President
Professor Dr. Sirin Thongkumthong
E-mail: thongkumthong@su.ac.th

Vice Chancellor

Vice President for Administration
Prof. Nontapan Laksanapan
E-mail: nontapan@su.ac.th

Vice President for Planning and Development
Assistant Professor Dr. Nuanthan Thuan Thuan
E-mail: nuanthan@su.ac.th

Vice President for Academic Affairs
Assistant Professor Dr. Praporn Pongpanich
E-mail: praporn@su.ac.th

THE TOTAL NUMBER OF LEADERS AND DEPUTY LEADERS AT THE INSTITUTIONAL LEVEL WITHIN SILPAKORN UNIVERSITY, INCLUDING FACULTIES, PROGRAMS, AND UNIVERSITY-LEVEL DEPARTMENTS, IS 145.

URL: [HTTPS://WWW-OLD.SU.AC.TH/TH/ABOUT-ACADAMI-ADMIN.PHP](https://www-old.su.ac.th/th/about-acadami-admin.php)

7.16 NUMBER OF FEMALE REPRESENTATION ON LEADERSHIP POSITION

จำนวนผู้หญิงที่ดำรงตำแหน่งบริหารในทุกระดับของมหาวิทยาลัยศิลปากร ได้แก่ อธิการบดี รองอธิการบดี ผู้ช่วยอธิการบดี คณบดี และรองคณบดี

1	Silpakorn University	6
2	Painting, sculpture and printmaking	1
3	Architecture	1
4	Archeology	1
5	Decorative arts	
6	Literature	5
7	Education	3
8	Science	4
9	Pharmacy	3
10	Musicology	3
11	Animal Science and Agricultural Technology	2
12	Management Science	2
13	Information and Communication Technology	9
14	Engineering and Industrial Technology	4
15	International College	6
16	Allied Health Sciences	1
Total number (people)		51

PROPORTION OF WOMEN IN LEADERSHIP POSITIONS AT SILPAKORN UNIVERSITY: FACULTY, PROGRAM, AND UNIVERSITY-LEVEL DEPARTMENTS: 51 PEOPLE.

URL: [HTTPS://WWW-OLD.SU.AC.TH/TH/ABOUT-ACADAMI-ADMIN.PHP](https://www-old.su.ac.th/th/about-acadami-admin.php)

7.17
RATIO OF FEMALE LEADERS TO TOTAL INSTITUTIONAL LEADERS

สัดส่วนผู้บริหารผู้หญิงต่อจำนวนผู้บริหารทั้งหมดของมหาวิทยาลัย

Leadership Level	Total Leaders & Deputies	Female Leaders & Deputies
University Level	21	6
Faculty / School Level	73	45
Study Program Level	0	0
University-Level Units	0	0
Total	94	51

RATIO OF FEMALE LEADERS TO TOTAL INSTITUTIONAL LEADERS=54.25%

7.18
ANTI-CORRUPTION AND INTEGRITY SYSTEM OF THE UNIVERSITY

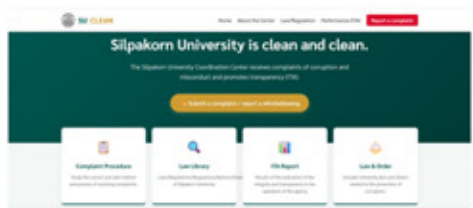
ระบบการต่อต้านการทุจริตและเสริมสร้างค่านิยมสุจริตของมหาวิทยาลัย



INTEGRITY AND TRANSPARENCY ASSESSMENT (ITA) OF SILPAKORN UNIVERSITY
 URL: [HTTPS://ITA.SU.AC.TH/](https://ITA.SU.AC.TH/)

7.19
WHISTLE BLOWING AND COMPLAINT SYSTEM OF THE UNIVERSITY

ระบบรับเรื่องร้องเรียนและแจ้งเบาะแสการทุจริตของมหาวิทยาลัย



THE SILPAKORN UNIVERSITY WEBSITE RECEIVES COMPLAINTS REGARDING CORRUPTION, MISCONDUCT, AND PROMOTES INTEGRITY AND TRANSPARENCY (ITA), AIMING TO CREATE A TRANSPARENT AND ACCOUNTABLE WORKING SOCIETY.

SILPAKORN UNIVERSITY'S CLEAN AND TRANSPARENT CAMPAIGN THE SILPAKORN UNIVERSITY CLEAN AND TRANSPARENT CAMPAIGN COORDINATION CENTER RECEIVES COMPLAINTS OF CORRUPTION, MISCONDUCT, AND PROMOTES ETHICS AND TRANSPARENCY (ITA), COMMITTED TO CREATING A TRANSPARENT AND ACCOUNTABLE WORK ENVIRONMENT.

URL: [HTTP://WWW.SUCLEAN.SU.AC.TH/](http://WWW.SUCLEAN.SU.AC.TH/)

7.20
LMS-ENABLED DIGITAL LITERACY PROGRAM FOR STUDENTS AND STAFF

โครงการส่งเสริมทักษะความรู้ดิจิทัลผ่านระบบ LMS สำหรับนักศึกษาและบุคลากร



DIGITAL SKILLS DEVELOPMENT PROJECT FOR STUDENTS AND PERSONNEL USING A LEARNING MANAGEMENT SYSTEM (LMS), SILPAKORN UNIVERSITY.

SILPAKORN UNIVERSITY'S DIGITAL SKILLS DEVELOPMENT PROJECT COMPRISES THE FOLLOWING KEY DETAILS:

1. MAIN LEARNING MANAGEMENT SYSTEM (LMS):

SU E-LEARNING (MOODLE LMS): THE MAIN SYSTEM USED FOR MANAGING ONLINE TEACHING FOR CURRENT STUDENTS. IT CAN BE ACCESSED DIRECTLY THROUGH THE SU E-LEARNING PORTAL FOR SUBMITTING ASSIGNMENTS, TAKING QUIZZES, AND TRACKING COURSE CONTENT. SU MOOC AND SU4LIFE: OPEN LEARNING PLATFORMS FOR STUDENTS, STAFF, AND THE GENERAL PUBLIC (LIFE LONG LEARNING) THAT COMPILE VARIOUS SKILLS DEVELOPMENT COURSES SUCH AS DIGITAL TECHNOLOGY, ARTIFICIAL INTELLIGENCE (AI), AND ONLINE MEDIA CREATION, FREE OF CHARGE.

2. SKILL UPGRADING FOR STAFF AND FACULTY:

THE UNIVERSITY HAS CONTINUOUSLY IMPLEMENTED PROJECTS TO UPGRADE ONLINE TEACHING THROUGH WORKSHOPS SUCH AS "EFFECTIVE TEACHING MANAGEMENT WITH THE SU MOOC SYSTEM." THIS PROJECT IS ORGANIZED BY THE OFFICE OF DIGITAL TECHNOLOGY AND THE INSTITUTE OF LIFELONG LEARNING TO ENABLE FACULTY AND TEACHING ASSISTANTS TO CREATE ENGAGING ONLINE LESSONS AND EFFECTIVELY ASSESS STUDENT LEARNING.

3. SKILL DEVELOPMENT FOR STUDENTS AND THE GENERAL PUBLIC:

OFFERING SHORT COURSES AND FREE ONLINE COURSES DESIGNED TO ENHANCE 21ST-CENTURY SKILLS. THERE ARE TRAINING PROGRAMS THAT DEVELOP SKILLS IN APPLYING MODERN TECHNOLOGY, SUCH AS 6 FREE COURSES ON AI USAGE AND VARIOUS PROGRAMMING. STAFF AND STUDENTS INTERESTED IN PARTICIPATING IN DIGITAL SKILLS DEVELOPMENT COURSES ARE WELCOME TO APPLY. YOU CAN FOLLOW NEWS ABOUT TRAINING SCHEDULES AND REGISTRATION METHODS ON THE SILPAKORN UNIVERSITY E-LEARNING FACEBOOK PAGE, OR STUDY DETAILS OF ONLINE COURSES ON THE SU4LIFE WEBSITE.

URL: [HTTPS://WWW.SU4LIFE.COM](https://WWW.SU4LIFE.COM)

7.21
WRITTEN CODE OF ETHICS THAT APPLIES TO UNIVERSITY LEADERS, ACADEMIC STAFF, ADMINISTRATIVE STAFF, AND STUDENTS

หลักเกณฑ์ด้านจริยธรรมที่กำหนดไว้เป็นลายลักษณ์อักษร เพื่อใช้เป็นแนวทางในการประพฤติปฏิบัติของผู้บริหารมหาวิทยาลัย บุคลากรสายวิชาการ บุคลากรสายสนับสนุน และนักศึกษา



GUIDELINES FOR ETHICAL CONDUCT OF EMPLOYEES AT SILPAKORN UNIVERSITY (DO'S & DON'TS) FOR FISCAL YEAR 2025.

URL: [HTTPS://LAWAPP.SU.AC.TH/UPLOADS/DO_250_1041056.PDF](https://LAWAPP.SU.AC.TH/UPLOADS/DO_250_1041056.PDF)

Fact File

UI GreenMetric World University Rankings 2025

**SILPAKORN UNIVERSITY
THAILAND**



UNIVERSITY PROFILE

NAME : SILPAKORN UNIVERSITY
EST. : 1943
COUNTRY : THAILAND

1. VERIFIED DATA

Campus Sustainability Scores

Overall Performance
81.88 %

Total Score
8187.5 / 10000

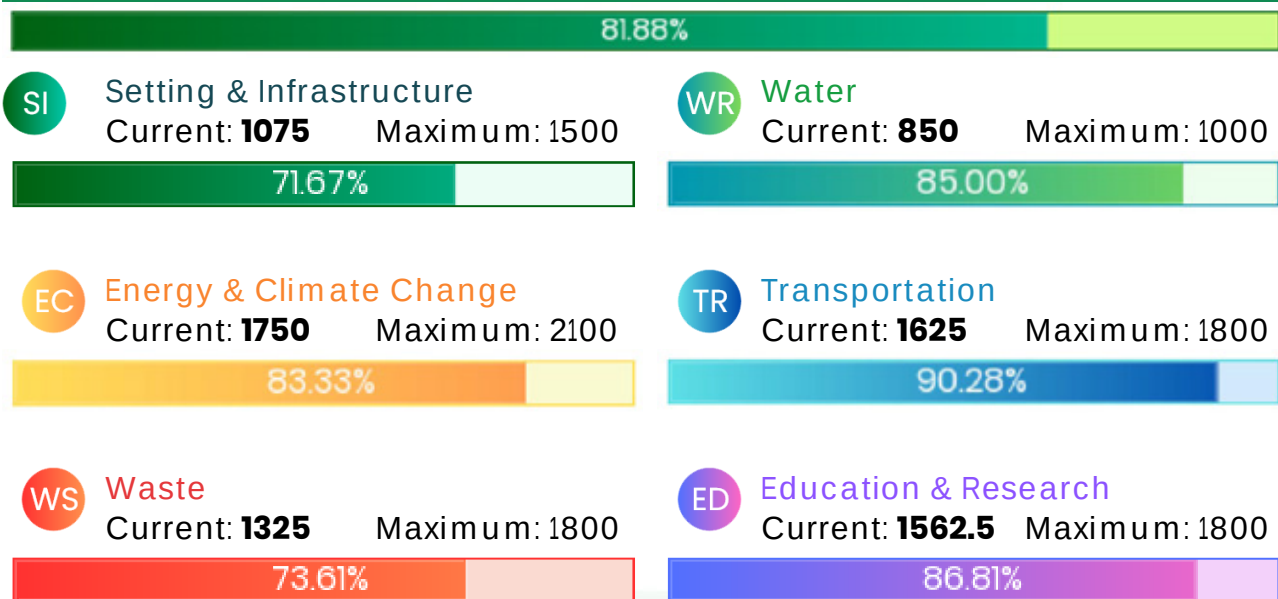
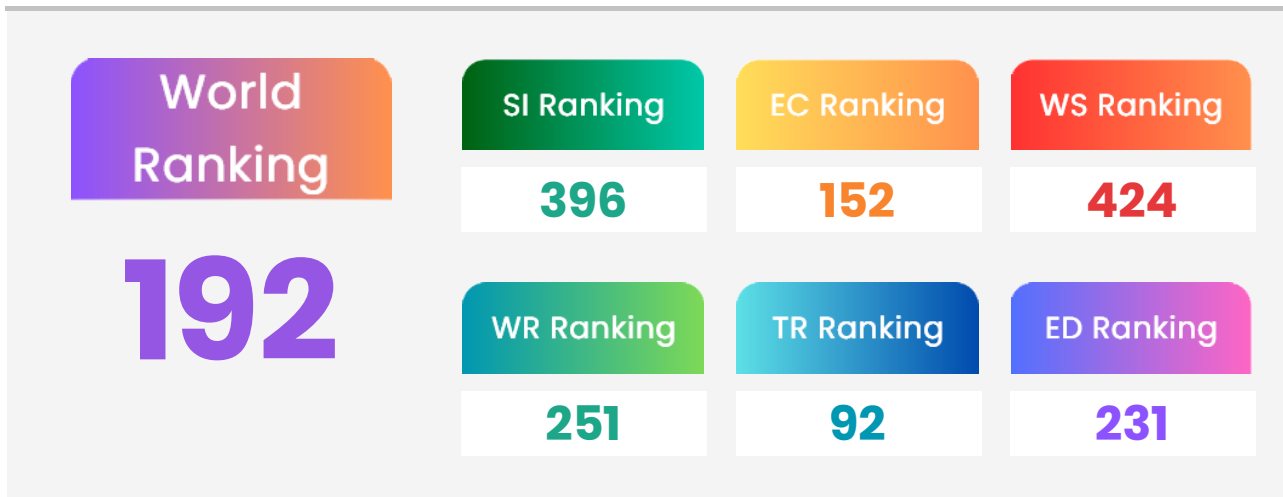


Figure 1.1 Category Score Contribution to Total Score

2. RESULTS SUMMARY



3. WORLD RANKINGS HISTORY

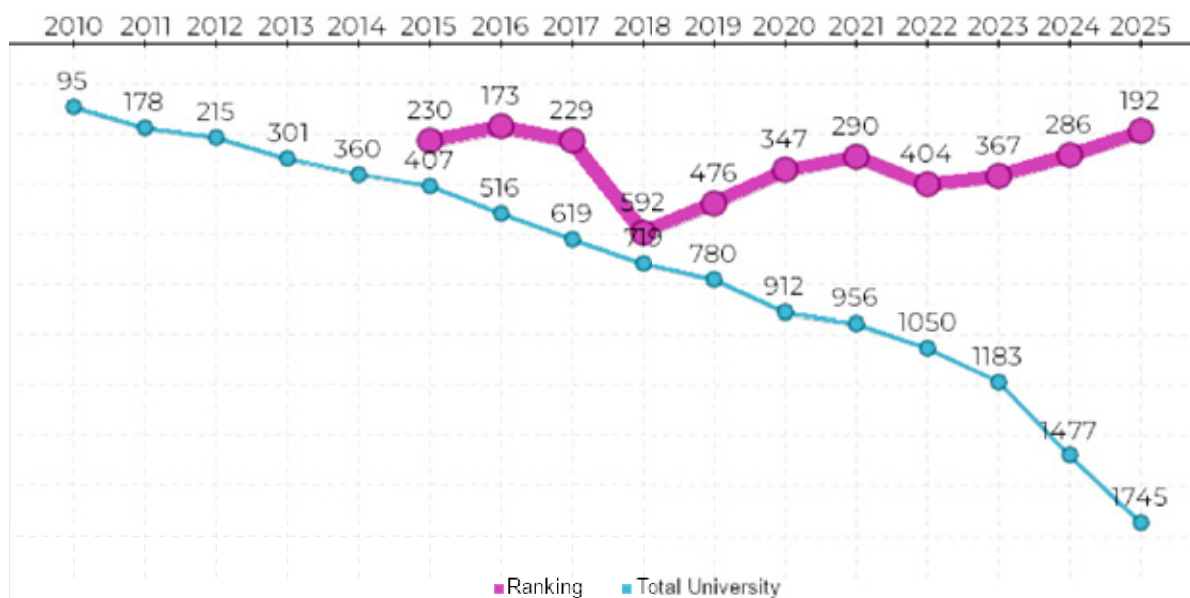
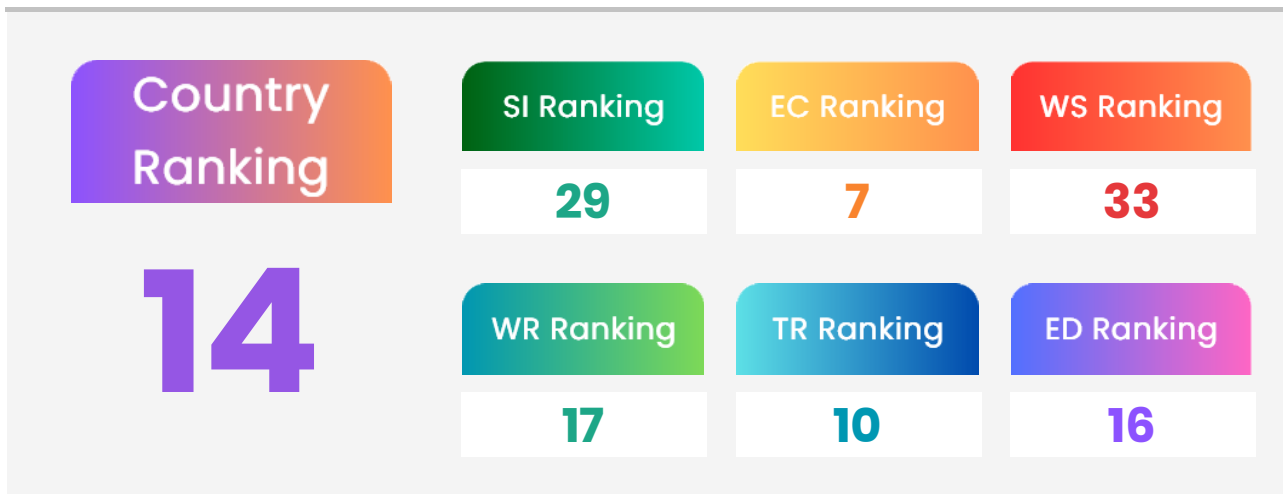


Figure 3.1 World Rankings History Diagram

4. RANKING IN THAILAND



PERFORMANCE BY INDICATOR

SETTING & INFRASTRUCTURE

The campus setting and infrastructure information provides the basic information about the university's policy on green environment. The indicators also show whether the campus deserves to be called a Green University. The aim is to encourage the participating universities to provide more spaces for greenery and safeguard the environment



Indicator		Score
SI.1	The ratio of open space area to total area	150
SI.2	Total area on campus covered in forest vegetation used for research, teaching, and/or community engagement	75
SI.3	Total area on campus covered in planted vegetation	150
SI.4	Total area on campus for water absorption besides the forest and planted vegetation	50
SI.5	The total open space area divided by total campus population	150
SI.6	Percentage of university budget for sustainability efforts	200
SI.7	Campus facilities for disabled, special needs and/or maternity care	75
SI.8	Security and safety facilities	75
SI.9	Health infrastructure facilities for students, academics and administrative staffs' well-being	50
SI.10	Conservation: plant (flora), animal (fauna), or wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities	50
SI.11	Planning, implementation, monitoring and/or evaluation of all programs related to Setting and Infrastructure through the utilization of Information and Communication Technology (ICT)	50

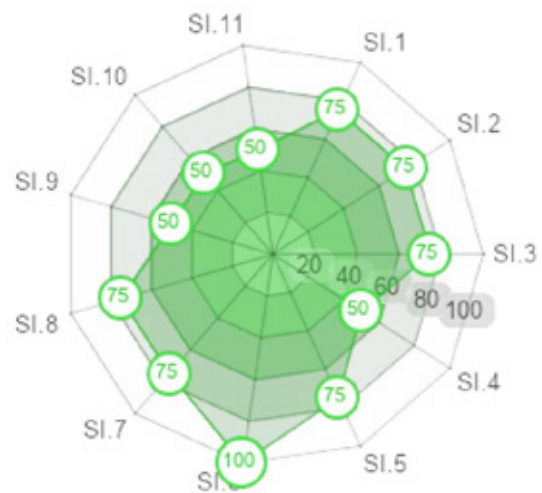


Figure 5.1 Percentage of Score to Maximum Score for Setting and Infrastructure

PERFORMANCE BY INDICATOR

ENERGY & CLIMATE CHANGE

The university's attention to the use of energy and climate change issues has the highest score in this ranking. In our questionnaire, we define several indicators for this area of concern, i.e., energy-efficient appliances usage, the implementation of smart buildings/automation buildings/intelligent buildings, renewable energy usage policy, total electricity usage, energy conservation programs, elements of green buildings, climate change adaptation and mitigation programs, greenhouse gas emission reductions policy, and carbon footprint. Within these indicators, the universities are expected to increase their efforts in energy efficiency in their buildings and to care more about nature and alternative energy resources.



Indicator		Score
EC.1	Energy efficient appliances usage	200
EC.2	Smart building implementation	300
EC.3	Number of renewable energy sources on campus	225
EC.4	Total electricity usage divided by total campus' population	100
EC.5	The ratio of renewable energy production divided by total energy usage per year	150
EC.6	Elements of green building implementation as reflected in all buildings	200
EC.7	Greenhouse gas emission reduction program	200
EC.8	Total carbon footprint divided by total campus' population	100
EC.9	Number of innovative program(s) in energy and climate change	100
EC.10	Impactful university program(s) on climate change	100
EC.11	Planning, implementation, monitoring and/or evaluation of all programs related to Energy and Climate Change through the utilization of Information and Communication Technology (ICT)	75

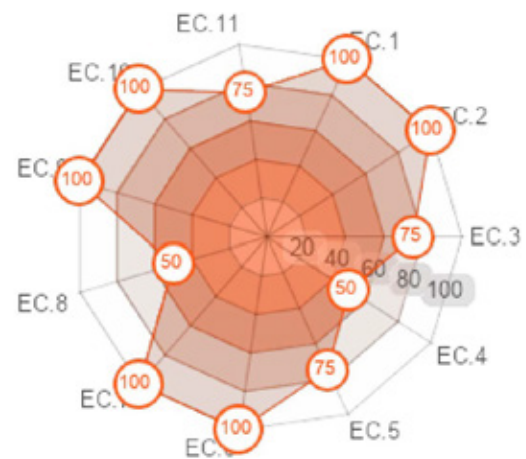


Figure 5.2 Percentage of Score to Maximum Score for Energy and Climate Change

PERFORMANCE BY INDICATOR

WASTE

Waste treatment and recycling activities are major factors in creating a sustainable environment. The activities of university staff, students, and communities around university produce a lot of waste; therefore, some recycling and waste treatments programs should be among the concern of the university, i.e., 3R (Reduce, Reuse, Recycle) program, organic waste treatment, inorganic waste treatment, toxic waste recycling, sewage disposal, policies to reduce the use of paper and plastic on campus.



Indicator		Score
WS.1	3R (Reduce, Reuse, Recycle) program for university's waste	200
WS.2	Program to reduce the use of paper and plastic on campus	225
WS.3	Organic waste treatment	150
WS.4	Inorganic waste treatment	150
WS.5	Toxic waste treatment	225
WS.6	Sewage disposal	300
WS.7	Planning, implementation, monitoring and/or evaluation of all programs related to Waste Management through the utilization of Information and Communication Technology (ICT)	75

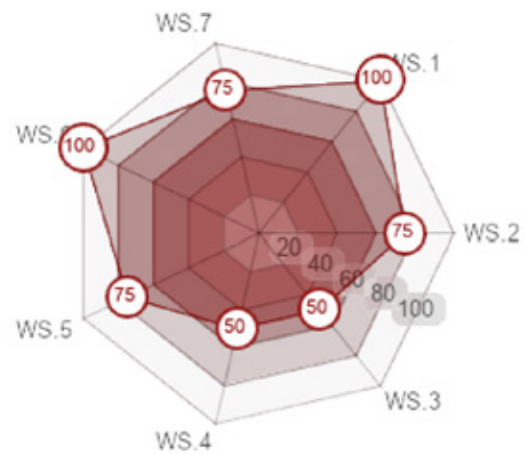


Figure 5.3 Percentage of Score to Maximum Score for Waste

PERFORMANCE BY INDICATOR

WATER

Water usage at university is another important criterion in the UI GreenMetric. The aims are to encourage universities to decrease groundwater usage, increase water conservation programs, and protect habitats. Water conservation programs, water recycling programs, water-efficient appliances usage, and treated water usage are among the criteria



Indicator		Score
WR.1	Water conservation program & implementations	113
WR.2	Water recycling program implementation	150
WR.3	Water efficient appliances usage	200
WR.4	Consumption of treated water	150
WR.5	Water pollution control in the campus area	200
WR.6	Planning, implementation, monitoring and/or evaluation of all programs related to Water Management through the utilization of Information and Communication Technology (ICT)	38



Figure 5.4 Percentage of Score to Maximum Score for Water

PERFORMANCE BY INDICATOR

TRANSPORTATION

Transportation systems play an important role in carbon emission and pollutant levels at universities. Transportation policies that limit the number of motor vehicles on campus and encourage the use of campus buses, shared vehicles, and zero emission vehicles (i.e. bicycles, electric cars, electric motorcycles, canoes, snowboards, etc.) will encourage a healthier environment. The pedestrian policy encourages students and staff to walk around campus and minimize the use of private vehicles. The use of environmentally friendly public transportation will decrease the carbon footprint around campus.



Indicator		Score
TR.1	The total number of vehicles (cars and motorcycles) divided by total campus' population	150
TR.2	Shuttle services	250
TR.3	Zero Emission Vehicles (ZEV) availability on campus	200
TR.4	The total number of Zero Emission Vehicles (ZEV) divided by total campus population	200
TR.5	Ratio of the ground parking area to the total campus area	150
TR.6	Program to limit or decrease the parking area on campus for the last 3 years	150
TR.7	Number of initiatives to decrease private vehicles on campus	200
TR.8	The pedestrian path on campus	250
TR.9	Planning, implementation, monitoring and/or evaluation of all programs related to Transportation through the utilization of Information and Communication Technology (ICT)	75

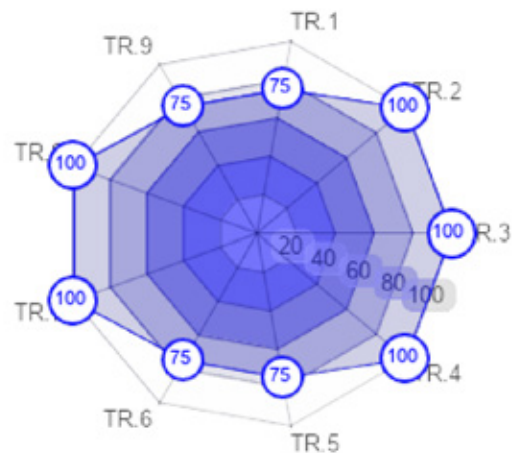


Figure 5.5 Percentage of Score to Maximum Score for Transportation

PERFORMANCE BY INDICATOR

EDUCATION & RESEARCH

The university's education and research information provide basic information about the university's policies and actions in creating and supporting their students, academic and non-academic staff with sustainability awareness. This criterion also encourages universities to report their sustainability activities, strategies, and targets to their stakeholders.



Indicator		Point
ED.1	The ratio of sustainability courses to total courses/subjects	200
ED.2	The ratio of sustainability research funding to total research funding	200
ED.3	Ratio of scholarly publications on sustainability to lecturers/researchers on campus in one year period	50
ED.4	Number of events related to sustainability (environment)	150
ED.5	Number of activities organized by student organizations related to sustainability per year	150
ED.6	University-run sustainability website	200
ED.7	Sustainability report	100
ED.8	Number of cultural activities on campus	100
ED.9	Number of university sustainability program(s) with international collaborations	100
ED.10	Number of community services related to sustainability organized by university and involving students	100
ED.11	Number of sustainability-related startups	50
ED.12	Percentage of number of graduates with green jobs (for the last 3 years)	13
ED.13	Availability of unit or office that coordinate sustainability on campus	50
ED.14	Planning, implementation, monitoring and/or evaluation of university governance through the utilization of Information and Communication Technology (ICT)	100

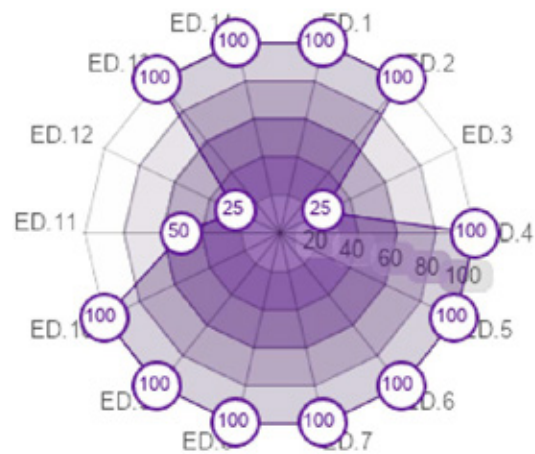


Figure 5.6 Percentage of Score to Maximum Score for Education

CERTIFICATE

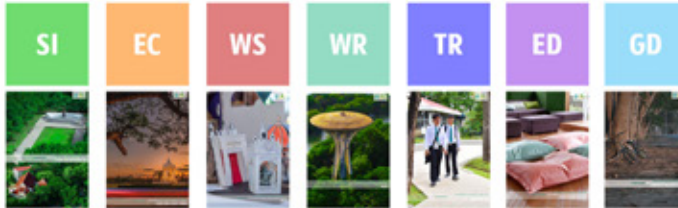
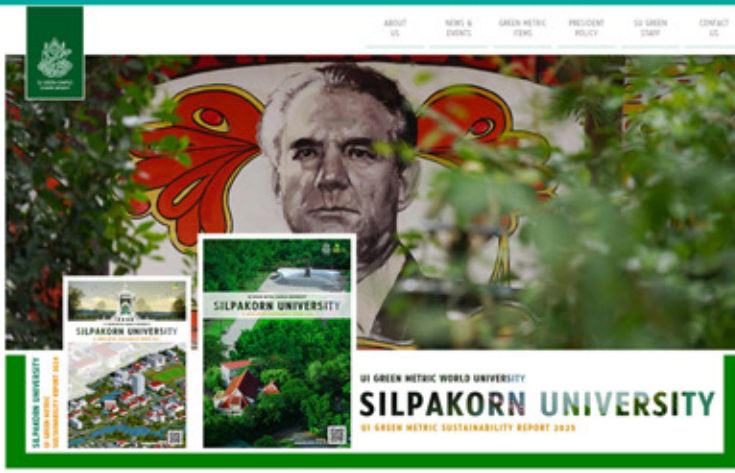
This certificate is awarded to
Silpakorn University
as The 192nd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings

5 December 2025



Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

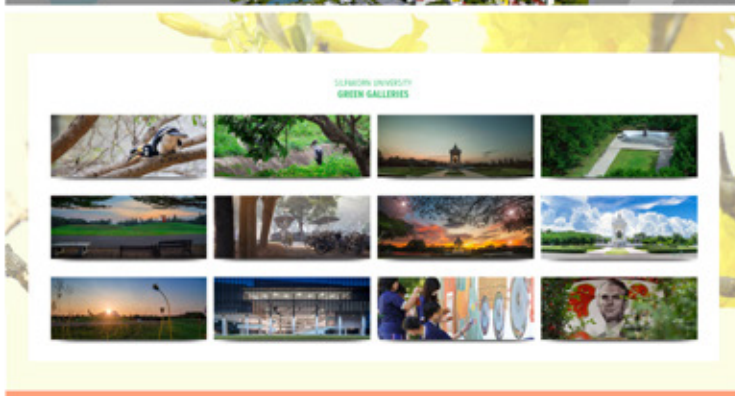
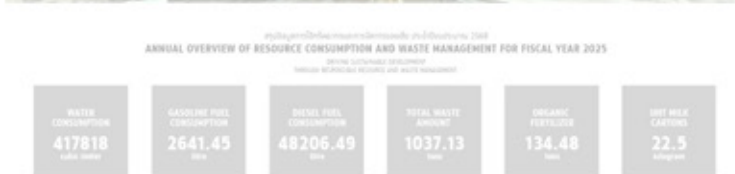




UI GREEN METRIC WORLD UNIVERSITY

SILPAKORN UNIVERSITY

UI GREEN METRIC SUSTAINABILITY REPORT 2026



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