



## UI GreenMetric Questionnaire

University : Nakhon Pathom Rajabhat University  
Country : Thailand  
Web Address : [www.npru.ac.th](http://www.npru.ac.th)

### [1] Setting and Infrastructure (SI)

#### [1.3] Number of Campus Sites

	<p>Dr. Virat Pinkaew The University President.</p>
	<p>Nakhon Pathom Rajabhat University Nakhon Pathom, Thailand.</p>

#### Description:

Nakhon Pathom Rajabhat University is an institute of higher education; the academic campus area total is 396,678 m<sup>2</sup>. In addition, each faculty includes standardized and reconfigurable classrooms, great lecture or conference rooms and smaller lecture rooms equipped with distant learning capabilities, a computer centre and language institute, a faculty library, and specialized labs depending on faculty requirements.



According to the Webometrics Ranking of World Universities or Ranking Web of World Universities, a ranking website from Spain of the Cybernetics Lab or Internet Lab, a research group under the Center for Scientific Information and Documentation (CINDOC), the National Research Council. Nakhon Pathom Rajabhat University is the 2<sup>nd</sup> ranked university with academic quality and is also the most popular university in the TOP Three among Rajabhat Universities in Thailand.

Nakhon Pathom Rajabhat University has determined the roles and responsibilities of the university as follows;

1. To seek and reach for the reality of technical excellence based on local wisdom, Thai wisdom, and international wisdom;
2. To generate graduates with knowledge and conscience, the consciousness of Thai nationality and culture, love and attachment with locals, and promote lifelong learning in the community to help local people keep up with innovation. The number and quality of the graduates generated shall be harmonious with the National Graduate Generation Plan;
3. To reinforce knowledge and understanding of value, consciousness, and pride of local and national culture;
4. To learn and reinforce the strength of community leaders, religious leaders, and local politicians for democratic consciousness, conscience, ethics, and community and regional development administration with the capability for common interest;
5. To reinforce the strength of the teaching profession, generate and develop teachers and educational personnel for proper quality and standard of the advanced profession;
6. To coordinate, cooperate, and assist universities, communities, local government, and other organizations, locally and internationally, for regional development;
7. To study and seek the direction of local technology and modern technology development in harmony with the way of life and occupation of local people, and seek the guidance of promoting management, maintenance, and utilization of natural resources and environment on a balanced and sustained basis; and
8. To study, research, promote, and pursue royal projects on the university's local development missions.

**For additional detail, please visit <https://www.npru.ac.th>**



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### [1] Setting and Infrastructure (SI)

#### [1.4] Campus Setting



Nakhon Pathom Rajabhat University

#### Description:

Nakhon Pathom Rajabhat University recognizes the role of sustainability, social, economic, and environmental, and makes its facilities to achieve a higher level of sustainability available to this cause. Nakhon Pathom Rajabhat University has a total campus area of about 417.44 m<sup>2</sup>., which can accommodate a population of up to 279,250 persons, with a population density of about 0.00067 / m<sup>2</sup>.

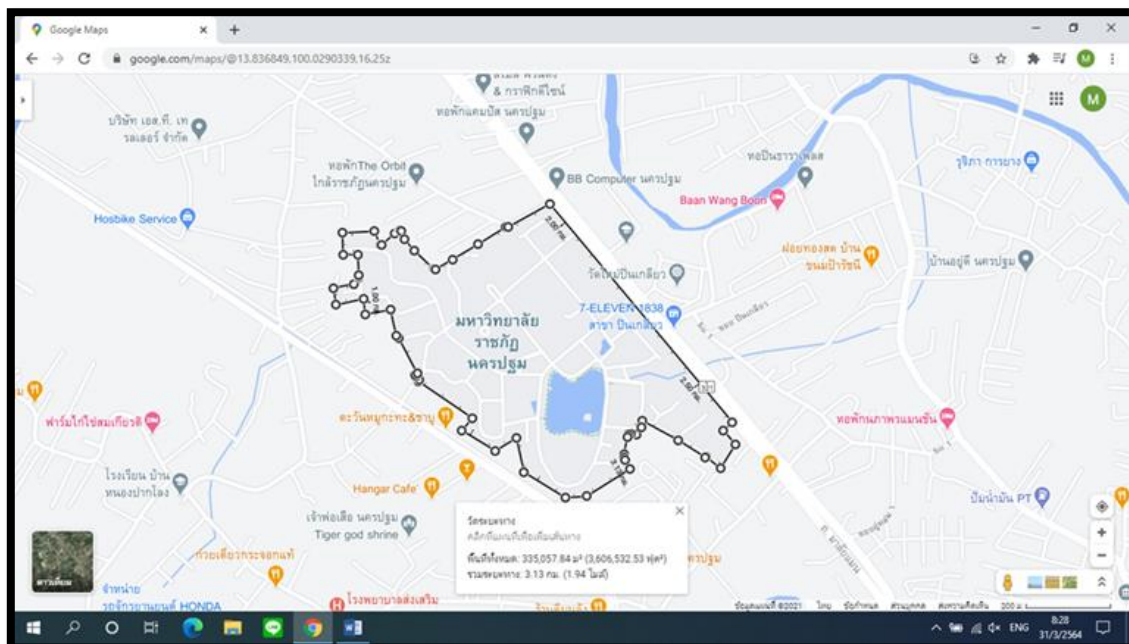
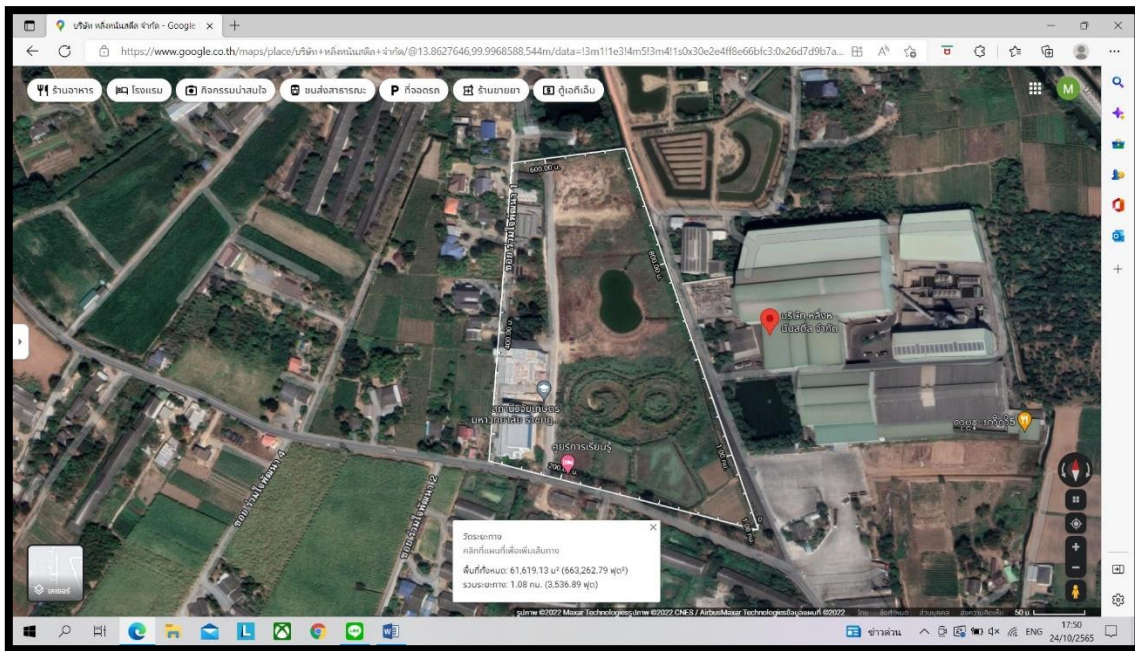


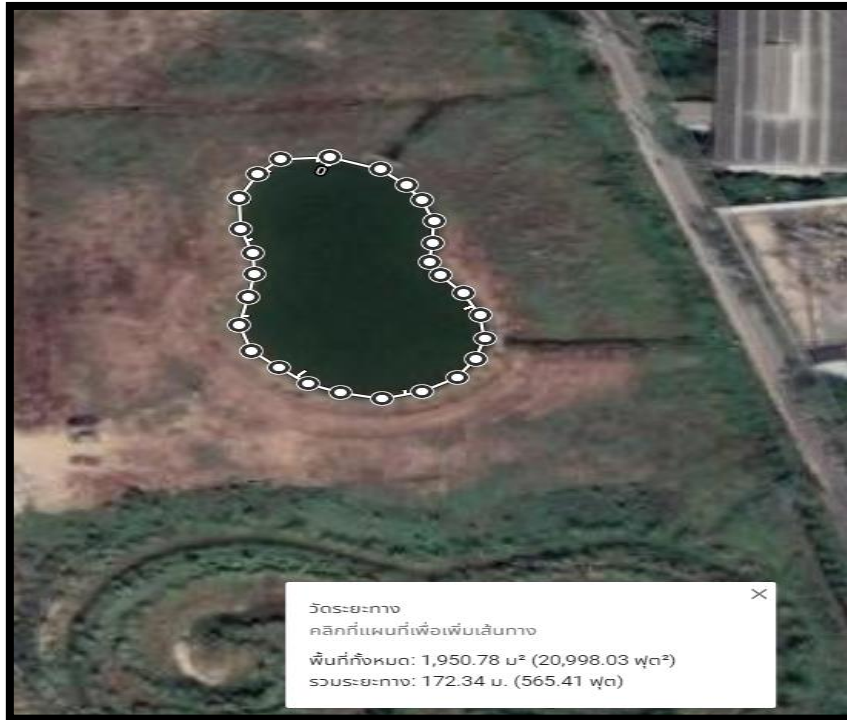
# UI GreenMetric Questionnaire

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## [1] Setting and Infrastructure (SI)

### [1.5] Total Campus Area (meter<sup>2</sup>)





**Description:**

Nakhon Pathom Rajabhat University aims to develop the university in the direction of local technology and modern technology development in harmony with the way of life and occupation of local people and seek guidance in promoting management, maintenance, and utilization of natural resources and environment on a balanced and sustained basis.

Total campus area = 396,678 m<sup>2</sup>

Total distance/circumference: = 4.21 km.



## UI GreenMetric Questionnaire

University : Nakhon Pathom Rajabhat University  
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### [1] [Setting & Infrastructure]

#### [1.7] Total campus buildings area

Building Name	Total Area
Building A 1	1413.40
Building A2	1325.00
Building A3	503.70
Building A 4	831.23
Building A 5	675.14
Building A 6	792.00
Home Economics Building	412.13
100 <sup>th</sup> Anniversary Thai Teacher Training Building	860.60
Demonstration School of NPRU	1080.96
Building A7	1233.70
Laws Building	498.79
Science Center Building	1481.50
Food Science and Technology Building 1	349.75
Science Laboratory Building (UBI)	1506.37
Food Science and Technology Building 2	129.51
Accounting and Logistics Operations Building	975.00
Thawaravadee Building	2763.19
Demonstration School Training Building	803.43
Nursing Building	1188.11
Computer Training building	1097.07
Nakhon Pathom Education and Development Center Building	1857.42
Faculty of Humanities and Social Sciences Building	1905.45
Education Training Building and Early Childhood Education Demonstration Center	1842.39
Computer Center Building	889.69
Maha Vajiralongkorn Building	1947.87
Bannarajanakar Building	1228.10
Language Institute Center and Computer Center Building	3774.50
Student Affairs Building	2671.45
Hardware Repair Building	1588.81
Siri Varapunya Building	4441.80
Gym (Temporary)	1091.26
Physical Education Building 2	1279.55



Building Name	Total Area
Gym 1	945.00
Gym 2	2033.00
Gym 3	2194.10
Swimming Pool Building	1285.51
Cafeteria 1	312.00
Cafeteria 2	200.00
Building 6	651.16
Bougainville Apartment Building	1108.25
Nurse Dormitory D2	989.79
International Student Dormitory	832.00
Childhood Education Demonstration Center Building	789.84
Alumni Association Building	388.21
<b>Total building area</b>	<b>56167.73</b>

**Description:**

The total campus building area of Nakhon Pathom Rajabhat University is 56167.73 m<sup>2</sup>

For additional details, please visit this link: <https://drive.google.com/drive/folders/1E5Gus2cod0b1t-mYCYyy-w7crGizmV84?usp=sharing>

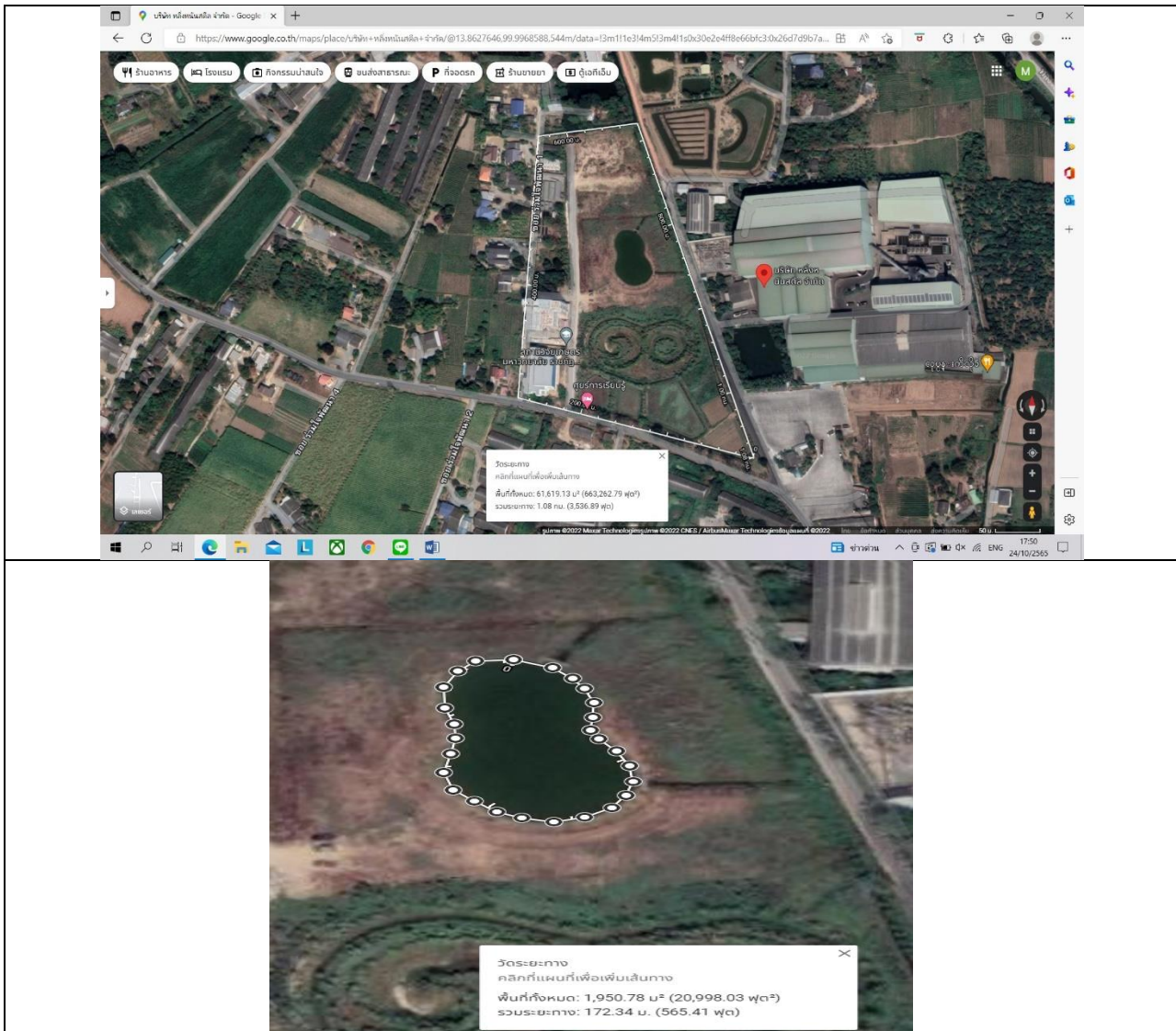


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University : Nakhon Pathom Rajabhat University  
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## [1] Setting & Infrastructure

### [1.8] The ratio of open space area to total area



#### Description:

Total campus area = 396,678 m<sup>2</sup>

Total campus buildings area = 56,167.73 m<sup>2</sup>

The ratio of open space towards total area: is 85.84%





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### [1] Setting and Infrastructure (SI)

#### [1.9] Total Area on Campus Covered in Forest Vegetation (meter<sup>2</sup>)





**Description:**

Total campus area = 396,678 m<sup>2</sup>

Total area on campus covered in planted vegetation = 140,477 m<sup>2</sup> = **35.41%**



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### [1] Setting and Infrastructure (SI)

#### [1.10] Total area on campus covered in planted vegetation (meter<sup>2</sup>)



Example of planted vegetation

#### Description:

Total planted vegetation area: 140,477 m<sup>2</sup>

Total campus area: 396,678 m<sup>2</sup>

Percentage area: 35.41%



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### [1] Setting and Infrastructure (SI)

#### [1.11] Total area on campus for water absorption besides the forest and planted vegetation (meter<sup>2</sup>)



**Total area on campus for water absorption besides the forest and planted vegetation**

#### Description:

\*Total water absorption area: 20,946 m<sup>2</sup>

\*Total campus area: 396,678 m<sup>2</sup>

**Percentage area: 5.28%**



# UI GreenMetric Questionnaire

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## [1] Setting and Infrastructure (SI)

### [1.18] University budget for sustainability effort (in US Dollars)

ด้านภูมิสถาปัตยกรรมและภูมิทัศน์

ประจำปีงบประมาณ 2565

โครงการจ้างเหมาปรับปรุงภูมิทัศน์ภายในมหาวิทยาลัย

โครงการปรับปรุงสภาพแวดล้อมทางกายภาพ เส้นทางจราจรภายในมหาวิทยาลัย

โครงการจ้างปรับปรุงระบบจำหน่ายไฟฟ้า พิกัดแรงดัน 22 kv แบบเหนื่อศีรษะเป็นระบบฝังใต้ดิน

เงินคงคลัง ปี 2563  
งบประมาณ 35 ล้านบาท

STEP 01 วางท่อ ลอยสาย

STEP 02 ติดตั้งตู้

STEP 03 ใช้งาน ติดสายพร้อม

FINAL ใช้งาน พร้อมเดิน

การไฟฟ้าส่วนภูมิภาคเขต 3 (ภาคกลาง)  
มูลค่างาน 34,971,653.16 บาท

สัญญาจ้าง  
เริ่มสัญญา 18 มีนาคม 2563  
สิ้นสุดสัญญา 15 กรกฎาคม 2563  
ขยายสัญญา 62 วัน  
สิ้นสุดสัญญาจ้างในวันที่ 15 กันยายน 2563  
เบิกจ่ายงวดเดียว

Example of the sustainable project of NPRU

### Description:

- \*The total university budget for 2021 is 1,641,805,972.96 (Thai bath) = 43422533.01 US dollars
- \*The university budget for sustainable efforts is 113,248,782.36 (Thai bath) = 2995207.15 US dollars
- \*The average percentage university budget for sustainability efforts is **6.89 %**



### The sustainable project for 2021

No.	Project	Budget
1	1. Procurement of LED street lamps installation around the electric pole of Nakhon Pathom Rajabhat University project	484,564.00
2	2. Purchasing and installing air conditioners at Chaloe Phrakiat 50th Anniversary Building, Maha Vajiralongkorn, floors 1-7 project	5,358,000.00
3	Security enhancement with technology and innovation project	2,597,092.00
4	Wireless distribution equipment installation project	1,770,000.00
5	Network protection equipment and intrusion detection one set supply of equipment project	2,470,000.00
6	Improving the fibre optic cable system of the university project	1,498,000.00
7	Procurement of LED floodlight installation at the University football field project	496,000.00
8	Improve the landscape within the university project	497,000.00
9	Improve the physical environment of the internal traffic routes project	265,000.00
10	Improve the power distribution system rated voltage 22 kV overhead type is an underground burial system project	34,971,653.16
11	Free internet package for online teaching project	3,845,640.00
12	Outsourcing network equipment maintenance project	1,060,000.00
13	Integrated Subdistrict Economic and Social Upgrading Project (1 Tambon 1 University)	57,935,833.20
	<b>Total</b>	<b>113,248,782.36</b>

\* 113,248,782.36 Bath = 2995207.15 dollars



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### [1] Setting and Infrastructure (S.I.)

#### [1.20] Percentage of operation and maintenance activities of building in one year period

##### Description:

In 2021 Nakhon Pathom Rajabhat University operated and maintained the campus buildings. Besides, the project aimed to develop the environment to make it safe and lively to live on campus.



**The construction of agricultural innovation development building project.**

1. The construction of agricultural innovation development building projects. Nong Pak Long Subdistrict, Mueang District, Nakhon Pathom Province by S.K.G. Construction Company Limited construction cost 64,809,188.20 baht from the national budget, the fiscal year 2020-2021



**The construction of an agriculture technology transfer centre building project to advance agricultural standards.**

2. The construction of an agriculture technology transfer centre building project to advance agricultural standards. Nong Pak Long Subdistrict, Mueang District, Nakhon Pathom Province by 888 Engineering and Construction Company Limited. Construction budget 26,766,079.80 baht from the national budget for the fiscal year 2020-2021.





### **The construction of food safety and inspection building project**

3. The construction of the food safety and inspection building project by Ton Pho Construction Co., Ltd. Construction cost 31,494,000 baths from the national budget for the fiscal year 2021



## Template for Evidence(s) UI GreenMetric Questionnaire

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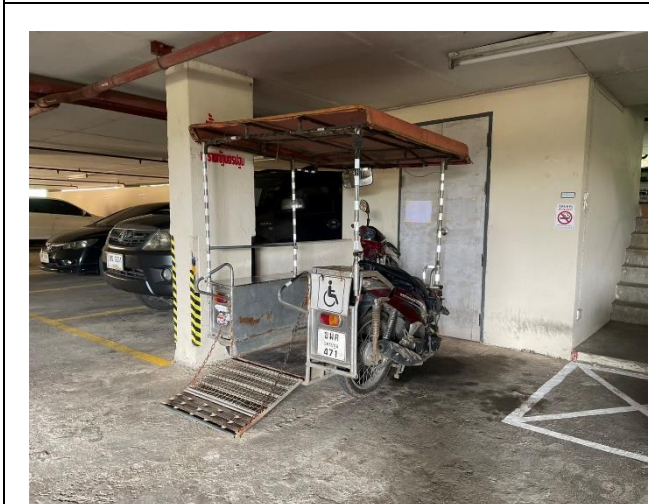
#### [1.21] Campus facilities for disabled, special needs and or maternity care



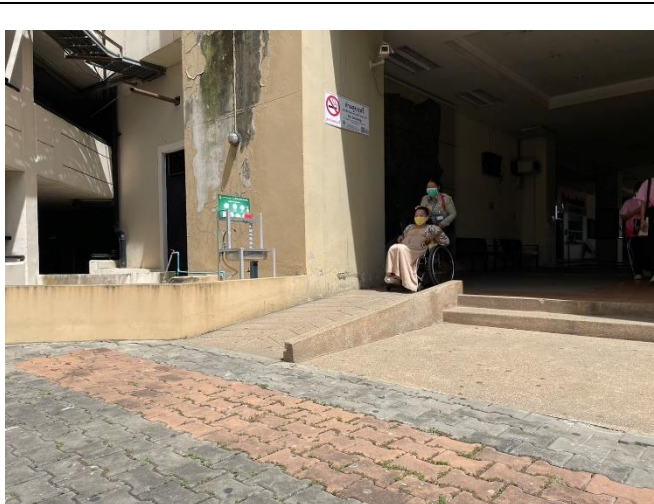
Example of Disabled walkway



Disabled room



Example of disabled parking



Example of Disabled walkway

**Description:** Nakhon Pathom Rajabhat University has provided the facilities for disabled and special needs for disabled people.



1. Disabled walkway for disabled people
2. Disabled parking for disabled people to park their car which located at the nearest space building
3. The room to support the disabled people.



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### [1] Setting and Infrastructure (SI)

#### [1.22] Security and safety facilities



Example of CCTV in and out of the buildings around the campus



Fire Alarm System

#### Description:

Nakhon Pathom Rajabhat University has a formal policy regarding the security and safety facility as the following.

1. CCTV in and out of the buildings around the campus
2. Fire Alarm System

**Security infrastructure is available with security responding time to accidents, crime, fires and natural disasters in less than 10 minutes**



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### [1] Setting and Infrastructure (SI)

#### [1.23] Health infrastructure facilities for students, academics, and administrative staffs' wellbeing



NPRU Health Promoting Hospital, Organized by the Ministry of Public Health

#### Description:

Nakhon Pathom Rajabhat University provides health services with comprehensive service support for the entire academic community and local people around the campus.



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### [1] Setting and Infrastructure (SI)

[1.24] Conservation: plant, animal, and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities



Improve physical soil conditions By using the tana area to prepare the soil for planting jute trees to adjust the soil condition and restore the soil to a perfect condition.

#### Description:

The situation during the outbreak of the Coronavirus Disease 2019 (COVID-19) in Thailand, where the number of infected people is increasing and becoming more severe. At the Sufficiency Economy Learning Center, Nakhon Pathom Rajabhat University has slowed down the activities under the guidelines and measures prescribed by the Department of Disease Control. In addition, the situation has improved as follows.



2. Planting perennial trees on various ridges, such as mango trees, which are the original native species of Nakhon Pathom province, for example, Ok Rong Thong Mango Tree, Rhino Mango Tree, Nam Dok Mai Mango Tree and Thong Da Mango Tree, and so on, to create shade and shade in the organize various activities



3. Plant a big tree To provide shade around the learning centre, such as banana, Thong Urai, Nonsi, teak, and red trees.





4. Improve the water system Using the Solar Pump System as a learning base for solar water management (Solar Lighting Systems).



4. Improve the water system Using the Solar Pump System as a learning base for solar water management (Solar Lighting Systems).

In the next period, the university is cooperating with Military Development Command to request a machine for the area improvement in phase 2 that will make the Sufficiency Economy Learning Center. Nakhon Pathom Rajabhat University is perfect for supporting various learning base activities after the coronavirus disease 2019 epidemic has improved. Every week there will be a gathering of volunteers. Nakhon Pathom Rajabhat University Participate in the development of the learning centre to be ready to support a fter the situation improves.