



## Template for Evidence(s) UI GreenMetric Questionnaire

University : Shinawatra University  
Country : Thailand  
Web Address : <https://siu.ac.th/>

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

#### [1.3] Number of Campus Sites



#### **Description:**

OAI Education Co., Ltd., as a licensee, was granted permission by the University Council to establish Shinawatra University on December 27, 1999. The main campus is located on an area of approximately 300 rai, Bang Toei Subdistrict, Sam Khok District, Pathum Thani Province. Later in 2021, the licensee was changed to Faith Star (Thailand) Co., Ltd.

Shinawatra University has operated according to its vision to become an international university that emphasizes on producing graduates, including graduates who are leaders, have management skills, are entrepreneurs, are ethical, and are socially responsible. It is a Group 1 higher education institution, a world-class research development group. It performs 4 main missions: providing undergraduate and graduate studies in specialized fields, interdisciplinary programs, multidisciplinary programs, and professional programs to



respond to the needs of the community and society, promoting basic research, applied research, and creative activities, providing academic services that respond to the needs of the community and society, and continuously preserving the arts and culture of the nation until it is generally accepted.

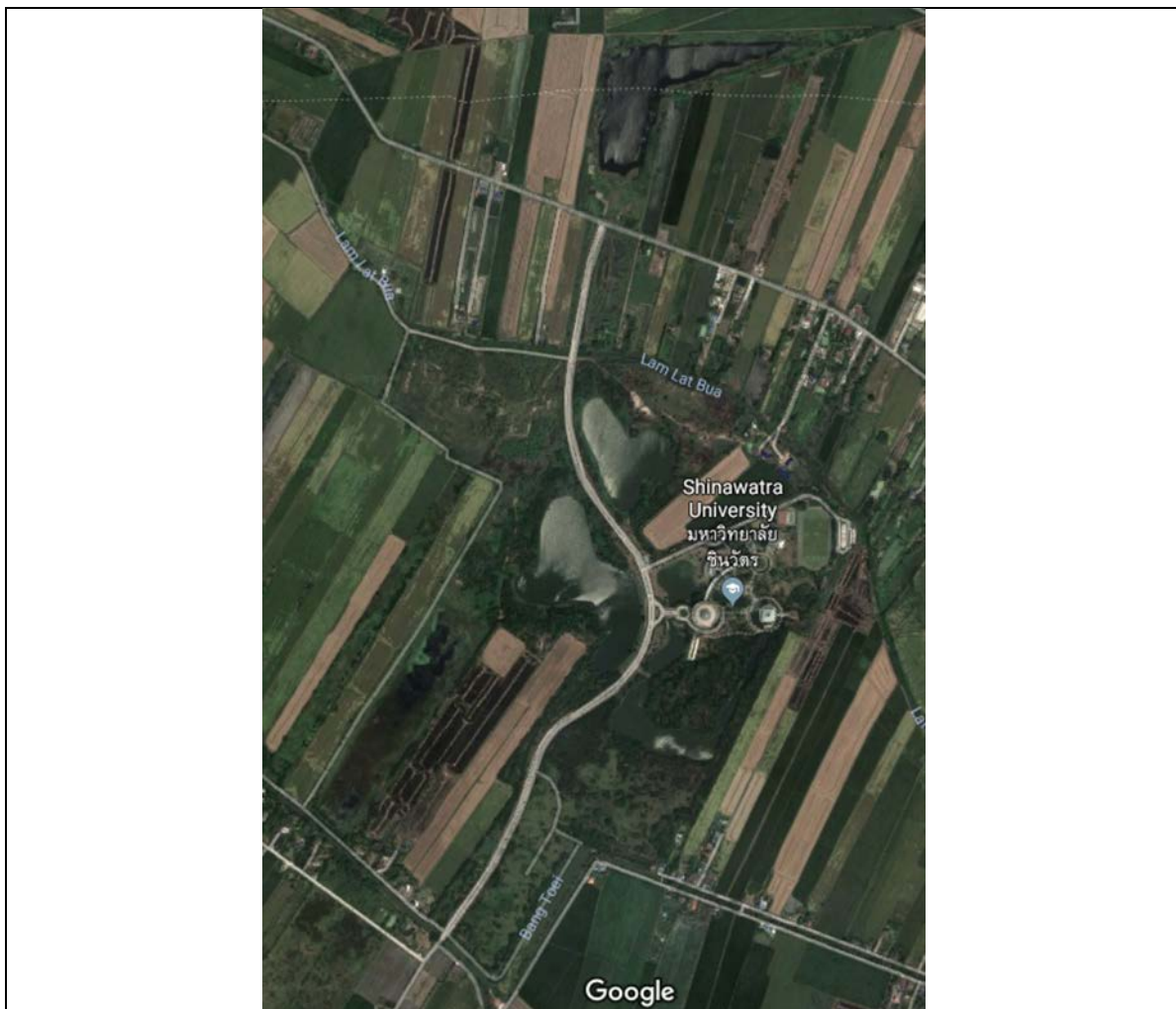


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### [1] Setting and Infrastructure (SI)

#### [1.4] Campus Setting



#### **Description:**

Shinawatra University is located in Bang Toei Subdistrict, Sam Khok District, Pathum Thani Province, Thailand. It covers an area of approximately 300 rai, which is the place for teaching and learning of the university. The general environment outside the university is an agricultural area, most of which is rice farming, which makes the air fresh, clear, and free from air pollution. It is peaceful and suitable for studying and researching, as well as exercising and playing sports for students, lecturers, and university



staff. The university manages buildings and facilities to support the management of education and activities of students, lecturers, and staff in unison.

### **Topography**

Most of the area is a riverside lowland. The population lives along the canals, along the roads, and is scattered everywhere. Roads cover every village. On the west side of the Chao Phraya River, there are natural water sources or canals flowing through every village. The general conditions make it abundant with water suitable for cultivation. The general weather is normal.

### **Climate**

The climate is generally divided into 3 seasons, which are hot and humid:

- Summer, from February to May
- Rainy season, from June to September
- Winter, from October to January



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

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



#### Description:

Total main campus area is 480,000 sqm consist of Building areas (Academic Purpose Areas, Laboratories )plus soccer field, running track, tennis courts, basketball court, lakes, ponds and other activity areas.







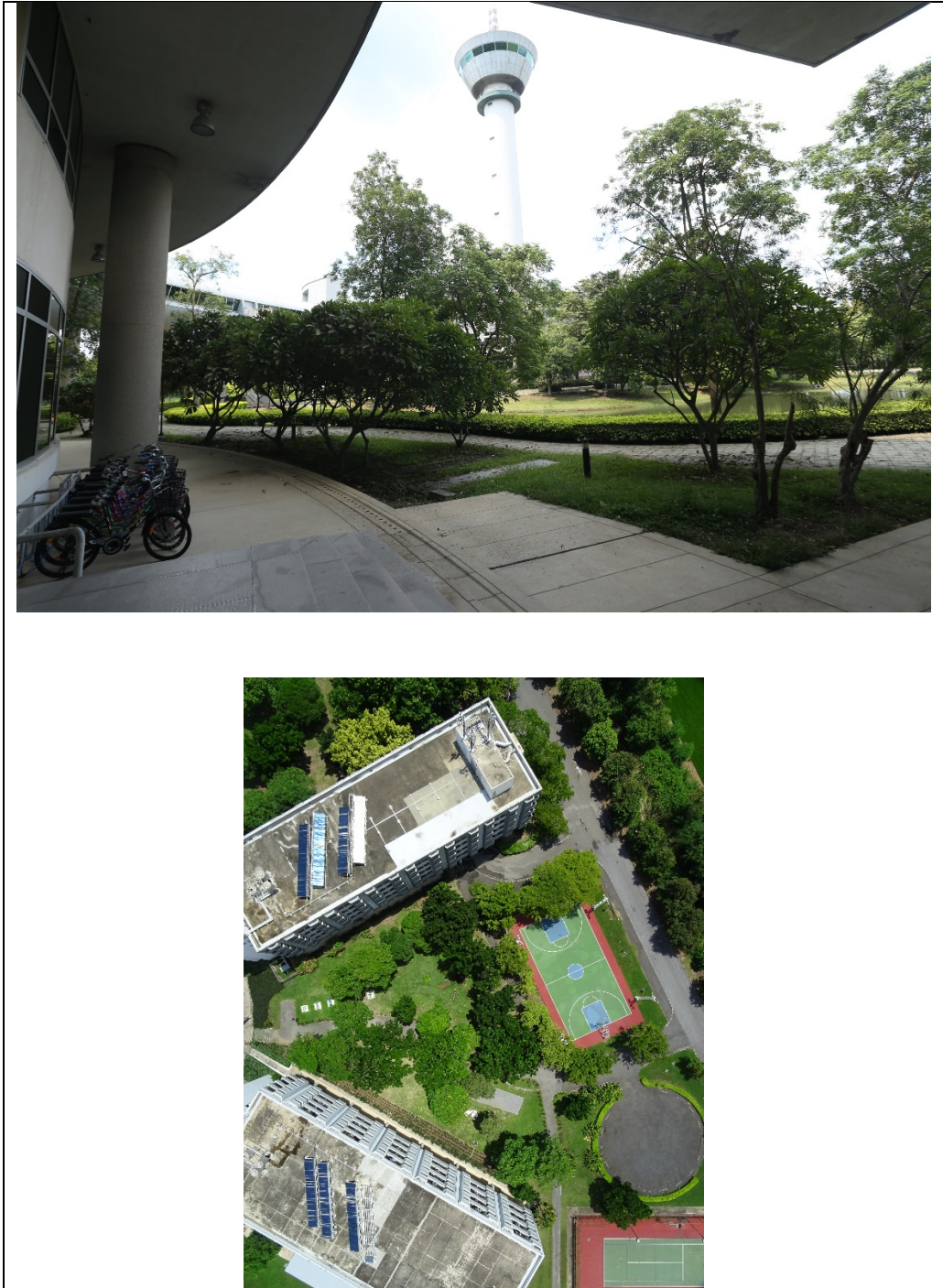
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### [1] [Setting & Infrastructure]

#### [1.7] Total campus buildings area





**Description:**

40,120 sq.m. (Main building 164111 + Laboratory building 2350 + Sky Link + Meditation Center + Dormitories + sport Building )





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### [1] Setting & Infrastructure

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



#### Description:

$480,000 - 13,043 / 480,000 \times 100 = 97.28\%$

**Ratio of open space towards total area: 97.28 %**





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

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







Total Planted Vegetation Area (Shinawatra University)

**Description:**

**Total Plant area = 303,080 sq.m. or 173.8 rai or 57.93 % of Campus Area ( 480,000 sq.m or 300 rai)**

Ecological open space > 25% of building footprint / Green area > 40% of Ecological open space – TREES: TGBI





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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>)



#### Description:

**65,120 sq.m. or 40.7 rai or 13.56 % of Campus Area ( 480,000 sq.m or 300 rai)**

**->Avg. Runoff Coefficient = 0.2x97% + 0.95x3% = 0.2225)**

**Area-Weighted Average Runoff Coefficient < 0.5 – TREES: TGBI**

**Total campus area = 480,000 sq.m**

**- Ground Building area = (Main, Lab, Sport, Med, Dorm) 13,043 sq.m.**



- Concrete road = 25,943 sq.m

$(480,000 - 13,043 - 25,943 = 441,014 * 100 / 480,000 = 91.87\%)$



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

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

	2021	2022	2023	Average
<b>Budget Total</b>	\$ 3371025.86	\$ 3034153.25	\$4689114.39	\$ 3,698,097.83
<b>Sustainability Budget</b>	\$ 581302.69	\$ 676397.63	\$ 677271.19	\$ 644,990.50
			Percentage	17.44 %

#### Description:

- The average percentage university budget for our university is 17.44%

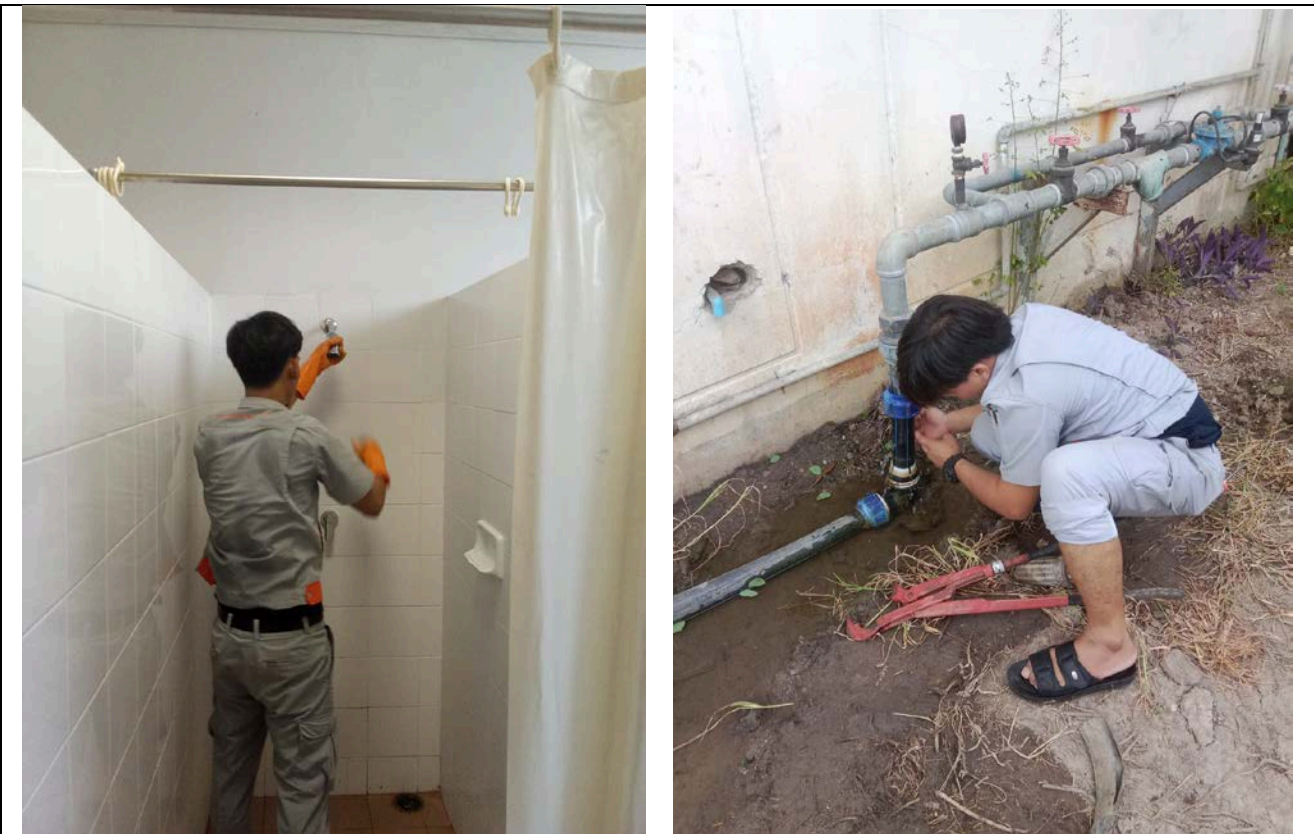


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### [1] Setting and Infrastructure (SI)

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



Maintenance of toilets and plumbing





Maintain electrical systems

**Description:**

**\*Min. at least five maintenance classification for each building**

No	University and Building	Maintenance	Evidence	Total area
1	Shinawatra University, Main Building	Corrective maintenance		223000



1	Total campus buildings area	480000 m <sup>2</sup>
2	Total operated building	223000 m <sup>2</sup>
	Percentage building that operated and maintained	46.45%



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

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

	 
<p>1. Disabled parking</p>	<p>2. Accessible toilet</p>

#### Description:

1. Disabled parking for disabled people to park their car which located at the nearest space bulding
2. Accessible toilet for disabled people

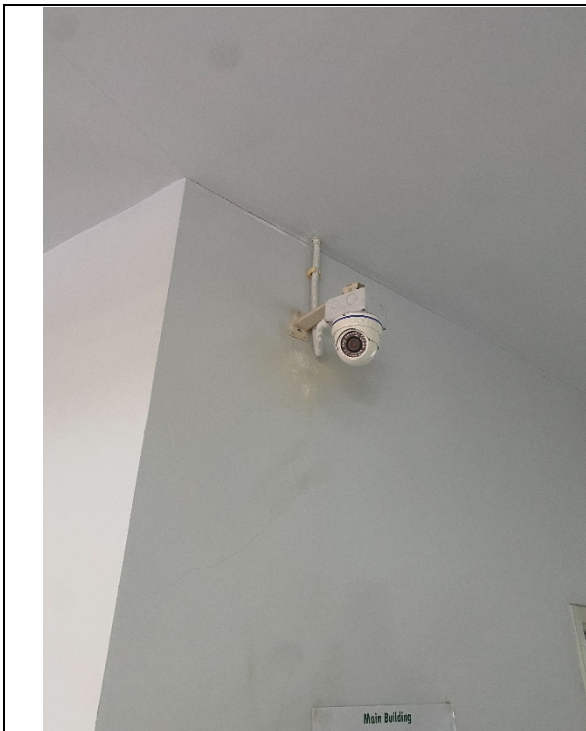


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### [1] Setting and Infrastructure (SI)

#### [1.21] Security and safety facilities



1. CCTV in entrance



2. Fire Hidrant





**3. Fire Escape**



**4. Automatic (Sprinkler Type)**



**5. Security Guard**

**Description:**

1. CCTV
2. Fire Hidrant
3. Fire Escape
4. Automatic (Sprinkler Type)
5. 5. Security Guard



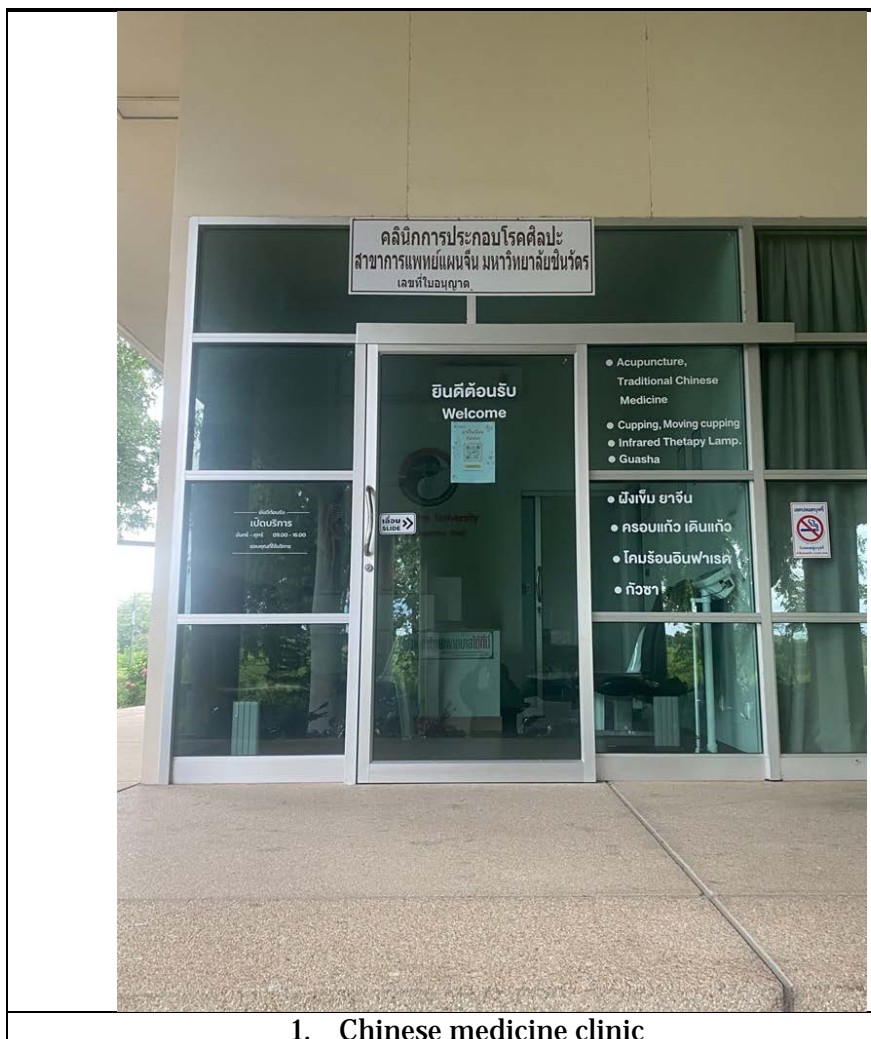
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SAMPLE

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## [1] Setting and Infrastructure (SI)

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





2. First Aid Room

**Description:**

1. Chinese medicine clinic
2. First Aid Room





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### [1] Waste (WS)

**[1.23] Conservation: plant (flora), animal (fauna), and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities**

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Develop 3R strategy, set targets for waste reduction	Waste audit software, data analytics tools	Strategic plan documents, waste audit reports	Jan 2024 - Feb 2024	Sustainability Office, ICT Dept
Implementation	Install recycling bins, initiate waste segregation	RFID tags for bins, waste management software	Installation logs, waste segregation reports	Mar 2024 - Apr 2024	Facility Management, ICT Dept
Monitoring	Track waste collection and recycling rates	Smart waste bins, real-time tracking software	Recycling rate reports, efficiency analytics	Ongoing	Sustainability Office, ICT Dept
Evaluation	Assess effectiveness of 3R program	Data analysis tools, feedback systems	Program evaluation reports, stakeholder feedback	Annually	Sustainability Office, ICT Dept





The meeting to plan and develop a Conservation: plant (flora), animal (fauna), and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities

**Description:**

SIU has been meeting and planning to develop a Conservation: plant (flora), animal (fauna), and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities, but it is not yet complete.



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### [1] Waste (WS)

#### [1.24] Planning, implementation, monitoring and/or evaluation of all programs related to Waste Management through the utilization of Information and Communication Technology (ICT)

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Develop 3R strategy, set targets for waste reduction	Waste audit software, data analytics tools	Strategic plan documents, waste audit reports	Jan 2024 - Feb 2024	Sustainability Office, ICT Dept
Implementation	Install recycling bins, initiate waste segregation	RFID tags for bins, waste management software	Installation logs, waste segregation reports	Mar 2024 - Apr 2024	Facility Management, ICT Dept
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Evaluation	Assess effectiveness of 3R program	Data analysis tools, feedback systems	Program evaluation reports, stakeholder feedback	Annually	Sustainability Office, ICT Dept





The meeting to plan and develop a comprehensive 3R strategy and relevant aspects

**Description:**

SIU has been meeting and planning to develop a comprehensive 3R strategy and set measurable targets for waste reduction, but it is not yet complete.