Template for Evidence(s)
UI GreenMetric Questionnaire

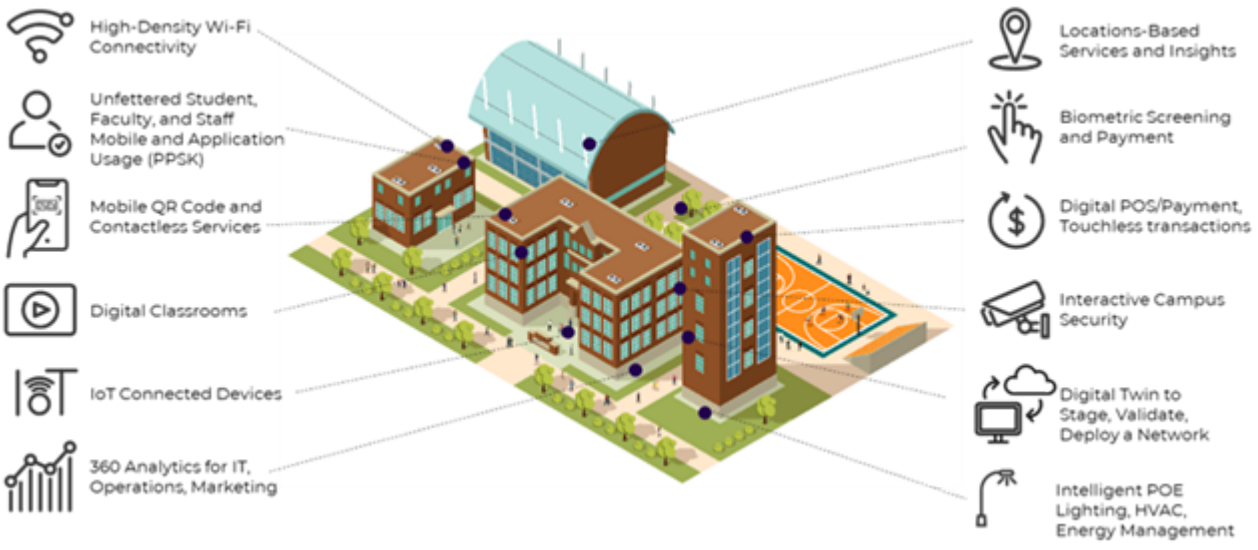
University : Sisaket Rajabhat University
Country : Thailand
Web Address : www.sskru.ac.th

SAMPLE

[2] Energy and Climate Change (EC)

[2.16] Impact of Energy and Climate Change programs in supporting the Sustainable Development Goals (SDGs)





Example

Description:

(*Please describe Impact of Energy and Climate Change programs in supporting the Sustainable Development Goals. You can describe more related items if needed*.)

The university has undertaken a wide range of energy and climate-related programs that contribute significantly to the achievement of the **17 Sustainable Development Goals (SDGs)**. These initiatives demonstrate a strong commitment to reducing carbon emissions, enhancing energy efficiency, and fostering climate resilience. Key programs include:

- **Installation of solar PV systems on building rooftops and open areas** to produce renewable electricity and reduce dependency on fossil fuels.
- **Adoption of smart building technologies** such as automated lighting systems, motion sensors, and digital energy meters to optimize energy use.
- **Campus-wide energy conservation campaigns**, including "green office" guidelines, no-AC days, and awareness events to promote responsible energy behavior.
- **Implementation of a centralized Building Management System (BMS)** to monitor and control HVAC, lighting, and water systems across campus facilities.
- **Retrofit programs to replace conventional lighting with LED and energy-efficient equipment** in academic and administrative buildings.
- **Incorporation of passive design principles in new building construction**, including natural ventilation, daylighting, and thermal insulation.
- **Carbon footprint assessments conducted annually**, covering scope 1 (direct), scope 2 (purchased energy), and scope 3 (mobility, waste).
- **Vehicle restriction and green mobility policies**, including car-free zones, campus bicycles, electric shuttle buses, and EV charging stations.
- **Green building certification initiatives** (e.g., local green standards, EDGE, LEED) for new and renovated infrastructure.
- **Collaborative climate action plans** developed in partnership with local and international organizations to support the university's sustainability roadmap.

These efforts directly support **SDGs 3, 4, 6, 7, 9, 11, 12, 13, and 17**, and also contribute indirectly to others, including:

- **SDG 3** – Ensuring healthy living environments through improved air quality and indoor climate control
- **SDG 4** – Supporting quality education via comfortable and smart learning environments
- **SDG 6** – Improving water efficiency in infrastructure operations
- **SDG 7** – Increasing the share of affordable, clean energy
- **SDG 9** – Innovating with smart infrastructure
- **SDG 11** – Building sustainable and low-carbon campuses
- **SDG 12** – Promoting responsible energy consumption
- **SDG 13** – Addressing climate change through mitigation and adaptation measures
- **SDG 17** – Strengthening partnerships for sustainable energy development

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):