



รายงานผลการดำเนินงาน มหาวิทยาลัยเพื่อความยั่งยืน

มหาวิทยาลัยราชภัฏสุราษฎร์ธานี

2025



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ภาคผนวก ค : หลักฐานประกอบการกรอกข้อมูลในระบบ



UI GreenMetric World University Rankings คืออะไร

UI GreenMetric World University Rankings เป็นการจัดอันดับมหาวิทยาลัยด้านความยั่งยืนระดับโลก ซึ่งริเริ่มโดยมหาวิทยาลัย Universitas Indonesia (UI) ตั้งแต่ปี ค.ศ. 2010 โดยมีวัตถุประสงค์เพื่อประเมินและสะท้อนผลการดำเนินงานด้านความยั่งยืนของมหาวิทยาลัยผ่านการสำรวจข้อมูลในรูปแบบออนไลน์ ครอบคลุมนโยบาย มาตรการ และกิจกรรมด้านความยั่งยืนของสถาบันอุดมศึกษาทั่วโลก

การจัดอันดับดังกล่าวอ้างอิงกรอบแนวคิดด้าน สิ่งแวดล้อม (Environment) เศรษฐกิจ (Economy) และความเท่าเทียม (Equity) โดยกำหนดตัวชี้วัดและหมวดหมู่การประเมินที่สามารถนำไปใช้ได้กับมหาวิทยาลัยทุกแห่ง พร้อมทั้งออกแบบเกณฑ์และน้ำหนักคะแนนให้มีความเป็นกลางมากที่สุด กระบวนการรวบรวมและส่งข้อมูลมีความชัดเจนและไม่ซับซ้อน โดยใช้ทรัพยากรบุคลากรในระดับที่เหมาะสม

ในปีแรกของการจัดอันดับ (ค.ศ. 2010) มีมหาวิทยาลัยเข้าร่วมจำนวน 95 แห่ง จาก 35 ประเทศ ประกอบด้วย 18 แห่งจากทวีปอเมริกา 35 แห่งจากยุโรป 40 แห่งจากเอเชีย และ 2 แห่งจากออสเตรเลีย ต่อมาในปี ค.ศ. 2024 มีมหาวิทยาลัยเข้าร่วมเพิ่มขึ้นเป็น 1,477 แห่ง จาก 95 ประเทศทั่วโลก สะท้อนให้เห็นว่า UI GreenMetric ได้รับการยอมรับในฐานะหนึ่งในระบบการจัดอันดับมหาวิทยาลัยระดับโลกที่มุ่งเน้นด้านความยั่งยืน

สำหรับธีมของการจัดอันดับในปีนี้ คือ “Doing Sustainable Development Goals in Higher Education: The Story of Our Institution and Society” ซึ่งมุ่งเน้นการนำเสนอแนวทางที่มหาวิทยาลัยดำเนินงานและขับเคลื่อนกิจกรรมด้านความยั่งยืนให้สอดคล้องกับ เป้าหมายการพัฒนาที่ยั่งยืน (Sustainable Development Goals: SDGs) และกรอบการประเมินของ UI GreenMetric โดยเน้นการถ่ายทอดผลลัพธ์และผลกระทบที่เกิดขึ้นทั้งภายในมหาวิทยาลัยและต่อสังคมโดยรวม



เกณฑ์การจัดอันดับ

เกณฑ์การจัดอันดับสามารถแบ่งเป็นหมวดต่าง ๆ และการให้น้ำหนักคะแนนของการจัดอันดับมหาวิทยาลัยสีเขียวโลก ยูไอ กรีนเมตริก ดังรายละเอียดต่อไปนี้

ข้อ	หมวด	ร้อยละของคะแนนทั้งหมด
1	สถานที่และโครงสร้างพื้นฐาน (SI)	15%
2	พลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ (EC)	21%
3	ของเสีย (WS)	18%
4	น้ำ (WR)	10%
5	การขนส่ง (TR)	18%
6	การศึกษาและวิจัย (ED)	18%
รวมทั้งหมด		100

ตัวชี้วัดในหมวดต่าง ๆ

ข้อ	หมวด	คะแนน	ค่าน้ำหนัก
1	สถานที่และโครงสร้างพื้นฐาน (SI)		15%
SI1	สัดส่วนของพื้นที่เปิดโล่งต่อพื้นที่ทั้งหมด	200	
SI2	พื้นที่รวมภายในมหาวิทยาลัยที่ปกคลุมด้วยพืชพรรณประเภทป่าไม้ ซึ่งใช้ประโยชน์เพื่อการวิจัย การเรียนการสอน และ/หรือ การบริการวิชาการแก่สังคม	100	
SI3	พื้นที่รวมภายในมหาวิทยาลัยที่ปกคลุมด้วยพืชพรรณที่มีการปลูกหรือจัดภูมิทัศน์	200	
SI4	พื้นที่ทั้งหมดของมหาวิทยาลัยที่ใช้เป็นพื้นที่ดูดซับน้ำ นอกเหนือจากป่าไม้ และพื้นที่ปลูกต้นไม้	100	
SI5	สัดส่วนพื้นที่เปิดโล่งต่อจำนวนประชากรทั้งหมดของวิทยาเขต	200	
SI6	สัดส่วนงบประมาณของมหาวิทยาลัยในส่วนการดำเนินงานเพื่อความยั่งยืน	200	



ข้อ	หมวด	คะแนน	ค่าน้ำหนัก
SI7	สิ่งอำนวยความสะดวกภายในมหาวิทยาลัยสำหรับผู้ทุพพลภาพ ผู้ที่มีความต้องการพิเศษ และ/หรือการดูแลมารดาและทารก	100	
SI8	อุปกรณ์ด้านความปลอดภัย	100	
SI9	โครงสร้างพื้นฐานด้านสุขภาพ/สิ่งอำนวยความสะดวก เพื่อความเป็นอยู่ที่ดี สำหรับนักศึกษา อาจารย์ และเจ้าหน้าที่	100	
SI10	การอนุรักษ์ทรัพยากรชีวภาพ ได้แก่ พืช (Flora) สัตว์ (Fauna) หรือสัตว์ป่า รวมถึงทรัพยากรพันธุกรรมด้านอาหารและการเกษตร โดยมีการจัดเก็บและดูแลรักษาในสถานที่อนุรักษ์ ทั้งในระยะกลางหรือระยะยาว	100	
SI11	การวางแผน การดำเนินงาน การติดตาม และ/หรือการ ประเมินผลโครงการต่าง ๆ ที่เกี่ยวข้องกับด้านพื้นที่และ โครงสร้างพื้นฐานของมหาวิทยาลัย โดยอาศัยการใช้เทคโนโลยี สารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	100	
	รวมทั้งหมด	1500	
2	พลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ (EC)		21%
EC1	การใช้อุปกรณ์ประหยัดพลังงาน	200	
EC2	การดำเนินงานโครงการอาคารอัจฉริยะ	300	
EC3	จำนวนแหล่งพลังงานทดแทนที่ใช้ในวิทยาเขต	300	
EC4	สัดส่วนการใช้ไฟฟ้าทั้งหมดต่อประชากรของวิทยาเขต	200	
EC5	สัดส่วนพลังงานทดแทนที่ผลิตได้ต่อการใช้พลังงานทั้งหมดต่อปี	200	
EC6	องค์ประกอบของการดำเนินงานอาคารสีเขียว (Green Building) ที่ปรากฏหรือถูกนำไปใช้ในอาคารต่าง ๆ ภายใน มหาวิทยาลัย	200	
EC7	โครงการลดการปล่อยก๊าซเรือนกระจก	200	
EC8	สัดส่วนคาร์บอนฟุตพริ้นท์ทั้งหมด ต่อประชากรของวิทยาเขต (เมตริกตันต่อคน)	200	



ข้อ	หมวด	คะแนน	ค่าน้ำหนัก
EC9	จำนวนโครงการนวัตกรรมในด้านพลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ	100	
EC10	โครงการของมหาวิทยาลัยที่มีความสำคัญต่อการรับมือการเปลี่ยนแปลงสภาพภูมิอากาศ	100	
EC11	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลโครงการต่าง ๆ ที่เกี่ยวข้องกับด้านพลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ โดยใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	100	
	รวมทั้งหมด	2100	
3	ของเสีย (WS)		18%
WS1	โครงการนำของเสียในมหาวิทยาลัยกลับมาใช้ใหม่ (3R)	200	
WS2	โครงการลดการใช้กระดาษและพลาสติกในวิทยาเขต	300	
WS3	การบำบัดของเสียอินทรีย์	300	
WS4	การบำบัดของเสียอนินทรีย์	300	
WS5	การบำบัดของเสียที่เป็นสารพิษ	300	
WS6	การบำบัดน้ำเสีย	300	
WS7	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลโครงการต่าง ๆ ที่เกี่ยวข้องกับการจัดการของเสีย โดยใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	100	
	รวมทั้งหมด	1800	
4	น้ำ (WR)		10%
WR1	โครงการและการดำเนินงานด้านการอนุรักษ์น้ำ	150	
WR2	โครงการนำน้ำเสียกลับมาใช้ใหม่	200	
WR3	การใช้อุปกรณ์ประหยัดน้ำ	200	
WR4	การใช้น้ำที่ผ่านการบำบัดแล้ว	200	



ข้อ	หมวด	คะแนน	ค่าน้ำหนัก
WR5	การควบคุมมลพิษทางน้ำในวิทยาเขต	200	
WR6	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลโครงการต่าง ๆ ที่เกี่ยวข้องกับการจัดการทรัพยากรน้ำ โดยใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	50	
	รวมทั้งหมด	1000	
5	การขนส่ง (TR)		18%
TR1	สัดส่วนของยานพาหนะ (รถยนต์ และรถจักรยานยนต์) ต่อจำนวนประชากรในวิทยาเขต	200	
TR2	บริการรถรับส่งสาธารณะ	250	
TR3	ความพร้อมใช้งานของยานพาหนะปลอดการปล่อยก๊าซเรือนกระจก (Zero Emission Vehicles: ZEV) ภายในมหาวิทยาลัย	200	
TR4	สัดส่วนของยานพาหนะไร้มลพิษต่อจำนวนประชากรในวิทยาเขต	200	
TR5	สัดส่วนพื้นที่จอดรถต่อพื้นที่ทั้งหมด	200	
TR6	โครงการเพื่อการจำกัดหรือลดพื้นที่จอดรถในช่วง 3 ปีที่ผ่านมา	200	
TR7	จำนวนโครงการริเริ่มเพื่อลดจำนวนรถส่วนบุคคลในวิทยาเขต	200	
TR8	พื้นที่ทางเท้าภายในวิทยาเขต	250	
TR9	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลโครงการต่าง ๆ ที่เกี่ยวข้องกับระบบขนส่งและการคมนาคม โดยใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	100	
	รวมทั้งหมด	1800	



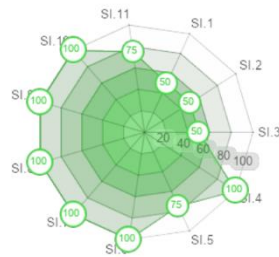
ข้อ	หมวด	คะแนน	ค่าน้ำหนัก
6	การศึกษาและวิจัย (ED)		18%
ED1	สัดส่วนของรายวิชาด้านความยั่งยืนเมื่อเทียบกับรายวิชา/หลักสูตรทั้งหมด	200	
ED2	สัดส่วนของทุนวิจัยด้านความยั่งยืนเมื่อเทียบกับทุนวิจัยทั้งหมด	200	
ED3	สัดส่วนของผลงานวิชาการด้านความยั่งยืนต่อจำนวนอาจารย์และนักวิจัยภายในมหาวิทยาลัย ในช่วงระยะเวลา 1 ปี	200	
ED4	จำนวนกิจกรรมด้านความยั่งยืน	150	
ED5	จำนวนกิจกรรมที่ดำเนินงานโดยองค์กรนักศึกษาที่เกี่ยวข้องกับความยั่งยืน (ต่อปี)	150	
ED6	เว็บไซต์เกี่ยวกับความยั่งยืนของมหาวิทยาลัย	200	
ED7	รายงานความยั่งยืน	100	
ED8	จำนวนกิจกรรมด้านวัฒนธรรมของสถานศึกษา (เช่น เทศกาล วัฒนธรรม)	100	
ED9	จำนวนโครงการความยั่งยืนที่ทำร่วมกับนานาชาติ	100	
ED10	จำนวนงานบริการชุมชนอย่างยั่งยืนที่จัดและ/หรือเกี่ยวข้องกับนิสิตนักศึกษา	100	
ED11	จำนวนสตาร์ทอัพ (startups) ที่เกี่ยวข้องกับความยั่งยืน	100	
ED12	ร้อยละของจำนวนบัณฑิตที่ได้ออกงานในสายอาชีพสีเขียว (Green Jobs) ในช่วง 3 ปีที่ผ่านมา	50	
ED13	การมีอยู่ของหน่วยงานหรือสำนักงานที่ทำหน้าที่ประสานงานด้านความยั่งยืนภายในมหาวิทยาลัย	50	
ED14	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลด้านการบริหารจัดการมหาวิทยาลัย โดยใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	100	
	รวมทั้งหมด	1800	

** ที่มา: Guideline UI GreenMetric World University Rankings 2025

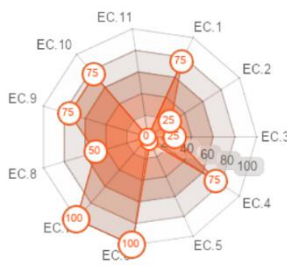


สรุปคะแนนของมหาวิทยาลัยราชภัฏสุราษฎร์ธานี

สถานที่และโครงสร้างพื้นฐาน (SI)

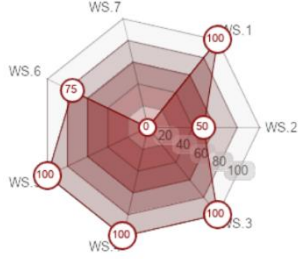
ตัวชี้วัด		คะแนน	 สัดส่วนคะแนนเทียบกับคะแนนสูงสุดสำหรับสถานที่และโครงสร้างพื้นฐาน
SI1	สัดส่วนของพื้นที่เปิดโล่งต่อพื้นที่ทั้งหมด	100	
SI2	พื้นที่รวมภายในมหาวิทยาลัยที่ปกคลุมด้วยพืชพรรณประเภทป่าไม้ ซึ่งใช้ประโยชน์เพื่อการวิจัย การเรียนการสอน และ/หรือการบริการวิชาการแก่สังคม	50	
SI3	พื้นที่รวมภายในมหาวิทยาลัยที่ปกคลุมด้วยพืชพรรณที่มีการปลูกหรือจัดภูมิทัศน์	100	
SI4	พื้นที่ทั้งหมดของมหาวิทยาลัยที่ใช้เป็นพื้นที่ดูดซับน้ำนอกเหนือจากป่าไม้ และพื้นที่ปลูกต้นไม้	100	
SI5	สัดส่วนพื้นที่เปิดโล่งต่อจำนวนประชากรทั้งหมดของวิทยาเขต	150	
SI6	สัดส่วนงบประมาณของมหาวิทยาลัยในส่วนการดำเนินงานเพื่อความยั่งยืน	200	
SI7	สิ่งอำนวยความสะดวกภายในมหาวิทยาลัยสำหรับผู้ทุพพลภาพ ผู้ที่มีความต้องการพิเศษ และ/หรือการดูแลมารดาและทารก	100	
SI8	อุปกรณ์ด้านความปลอดภัย	100	
SI9	โครงสร้างพื้นฐานด้านสุขภาพ/สิ่งอำนวยความสะดวกเพื่อความเป็นอยู่ที่ดี สำหรับนักศึกษา อาจารย์ และเจ้าหน้าที่	100	
SI10	การอนุรักษ์ทรัพยากรชีวภาพ ได้แก่ พืช (Flora) สัตว์ (Fauna) หรือสัตว์ป่า รวมถึงทรัพยากรพันธุกรรมด้านอาหารและการเกษตร โดยมีการจัดเก็บและดูแลรักษาในสถานที่อนุรักษ์ทั้งในระยะกลางหรือระยะยาว	100	
SI11	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลโครงการต่าง ๆ ที่เกี่ยวข้องกับด้านพื้นที่และโครงสร้างพื้นฐานของมหาวิทยาลัย โดยอาศัยการใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	75	

พลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ (EC)

ตัวชี้วัด		คะแนน	 สัดส่วนคะแนนเทียบกับคะแนนสูงสุดสำหรับพลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ
EC1	การใช้อุปกรณ์ประหยัดพลังงาน	150	
EC2	การดำเนินงานโครงการอาคารอัจฉริยะ	75	
EC3	จำนวนแหล่งพลังงานทดแทนที่ใช้ในวิทยาเขต	75	
EC4	สัดส่วนการใช้ไฟฟ้าทั้งหมดต่อประชากรของวิทยาเขต	150	
EC5	สัดส่วนพลังงานทดแทนที่ผลิตได้ต่อการใช้พลังงานทั้งหมดต่อปี	10	
EC6	องค์ประกอบของการดำเนินงานอาคารสีเขียว (Green Building) ที่ปรากฏหรือถูกนำไปใช้ในอาคารต่าง ๆ ภายในมหาวิทยาลัย	200	
EC7	โครงการลดการปล่อยก๊าซเรือนกระจก	200	
EC8	สัดส่วนคาร์บอนฟุตพริ้นท์ทั้งหมด ต่อประชากรของวิทยาเขต (เมตริกตันต่อคน)	100	
EC9	จำนวนโครงการนวัตกรรมในด้านพลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ	75	
EC10	โครงการของมหาวิทยาลัยที่มีความสำคัญต่อการรับมือการเปลี่ยนแปลงสภาพภูมิอากาศ	75	
EC11	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลโครงการต่าง ๆ ที่เกี่ยวข้องกับด้านพลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ โดยใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	0	



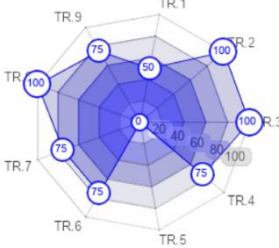
ของเสีย (WS)

ตัวชี้วัด		คะแนน	 สัดส่วนคะแนนเทียบกับคะแนนสูงสุดสำหรับของเสีย
WS1	โครงการนำของเสียในมหาวิทยาลัยกลับมาใช้ใหม่ (3R)	200	
WS2	โครงการลดการใช้กระดาษและพลาสติกในวิทยาเขต	150	
WS3	การบำบัดของเสียอินทรีย์	300	
WS4	การบำบัดของเสียอนินทรีย์	300	
WS5	การบำบัดของเสียที่เป็นสารพิษ	300	
WS6	การบำบัดน้ำเสีย	225	
WS7	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลโครงการต่าง ๆ ที่เกี่ยวข้องกับการจัดการของเสีย โดยใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	0	

น้ำ (WR)

ตัวชี้วัด		คะแนน	 สัดส่วนคะแนนเทียบกับคะแนนสูงสุดสำหรับน้ำ
WR1	โครงการและการดำเนินงานด้านการอนุรักษ์น้ำ	113	
WR2	โครงการนำน้ำเสียกลับมาใช้ใหม่	150	
WR3	การใช้อุปกรณ์ประหยัดน้ำ	50	
WR4	การใช้น้ำที่ผ่านการบำบัดแล้ว	50	
WR5	การควบคุมมลพิษทางน้ำในวิทยาเขต	10	
WR6	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลโครงการต่าง ๆ ที่เกี่ยวข้องกับการจัดการทรัพยากรน้ำ โดยใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	0	

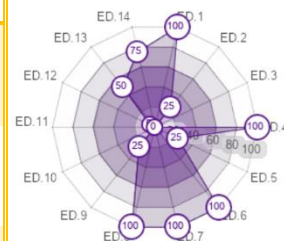
การขนส่ง (TR)

ตัวชี้วัด		คะแนน	 สัดส่วนคะแนนเทียบกับคะแนนสูงสุดสำหรับการขนส่ง
TR1	สัดส่วนของยานพาหนะ (รถยนต์ และรถจักรยานยนต์) ต่อจำนวนประชากรในวิทยาเขต	100	
TR2	บริการรถรับส่งสาธารณะ	250	
TR3	ความพร้อมใช้งานของยานพาหนะปลอดการปล่อยก๊าซเรือนกระจก (Zero Emission Vehicles: ZEV) ภายในมหาวิทยาลัย	200	
TR4	สัดส่วนของยานพาหนะไร้มลพิษต่อจำนวนประชากรในวิทยาเขต	150	
TR5	สัดส่วนพื้นที่จอดรถต่อพื้นที่ทั้งหมด	0	
TR6	โครงการเพื่อการจำกัดหรือลดพื้นที่จอดรถในช่วง 3 ปีที่ผ่านมา	150	
TR7	จำนวนโครงการริเริ่มเพื่อลดจำนวนรถส่วนบุคคลในวิทยาเขต	150	
TR8	พื้นที่ทางเท้าภายในวิทยาเขต	250	
TR9	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลโครงการต่าง ๆ ที่เกี่ยวข้องกับระบบขนส่งและการคมนาคม โดยใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	75	



การศึกษาและวิจัย (ED)

ตัวชี้วัด		คะแนน
ED1	สัดส่วนของรายวิชาด้านความยั่งยืนเมื่อเทียบกับรายวิชา/หลักสูตรทั้งหมด	200
ED2	สัดส่วนของทุนวิจัยด้านความยั่งยืนเมื่อเทียบกับทุนวิจัยทั้งหมด	50
ED3	สัดส่วนของผลงานวิชาการด้านความยั่งยืนต่อจำนวนอาจารย์และนักวิจัยภายในมหาวิทยาลัย ในช่วงระยะเวลา 1 ปี	0
ED4	จำนวนกิจกรรมด้านความยั่งยืน	150
ED5	จำนวนกิจกรรมที่ดำเนินงานโดยองค์กรนักศึกษาที่เกี่ยวข้องกับความยั่งยืน (ต่อปี)	38
ED6	เว็บไซต์เกี่ยวกับความยั่งยืนของมหาวิทยาลัย	200
ED7	รายงานความยั่งยืน	100
ED8	จำนวนกิจกรรมด้านวัฒนธรรมของสถานศึกษา (เช่น เทศกาล วัฒนธรรม)	100
ED9	จำนวนโครงการความยั่งยืนที่ทำร่วมกับนานาชาติ	25
ED10	จำนวนงานบริการชุมชนอย่างยั่งยืนที่จัดและ/หรือเกี่ยวข้องกับนิสิตนักศึกษา	0
ED11	จำนวนสตาร์ทอัพ (startups) ที่เกี่ยวข้องกับความยั่งยืน	0
ED12	ร้อยละของจำนวนบัณฑิตที่ได้อาชีพสีเขียว (Green Jobs) ในช่วง 3 ปีที่ผ่านมา	3
ED13	การมีอยู่ของหน่วยงานหรือสำนักงานที่ทำหน้าที่ประสานงานด้านความยั่งยืนภายในมหาวิทยาลัย	25
ED14	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลด้านการบริหารจัดการมหาวิทยาลัย โดยใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	75



สัดส่วนคะแนนเทียบกับคะแนนสูงสุดสำหรับการศึกษาและวิจัย

รายงานผลการจัดอันดับ UI GreenMetric World University Rankings 2025

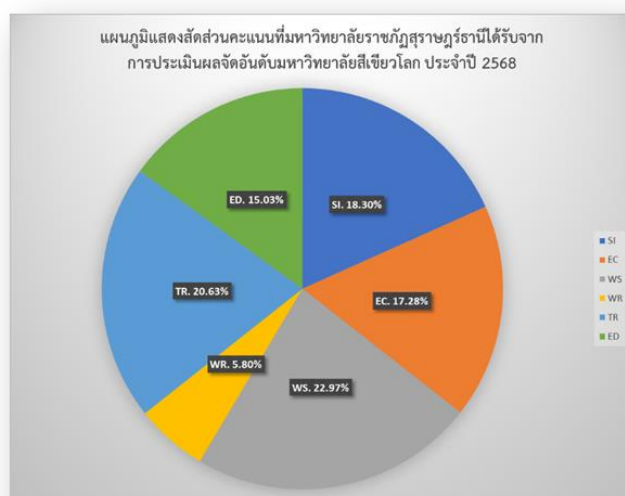
ด้วยมหาวิทยาลัยราชภัฏสุราษฎร์ธานีได้ดำเนินการเข้าสู่อันดับการจัดอันดับ UI GreenMetric World University Rankings 2025 ซึ่งเป็นที่รู้จักกันในชื่อ “การจัดอันดับมหาวิทยาลัยสีเขียวโลก” ซึ่งในปี 2025 มหาวิทยาลัยราชภัฏสุราษฎร์ธานีได้รับการจัดอันดับ ลำดับที่ 637 จากทั้งหมด 1,745 สถาบันอุดมศึกษา โดยพิจารณาจากเป้าหมายทั้งหมด 6 ด้าน ได้แก่

1. Setting & Infrastructure
2. Energy & Climate Change
3. Waste
4. Water
5. Transportation
6. Education & Research

รายละเอียดผลคะแนนโดยรวมทั้ง 6 ด้านของมหาวิทยาลัยราชภัฏสุราษฎร์ธานี ประจำปี 2025

World Rank	University	Total Score	SI Score	EC Score	WS Score	WR Score	TR Score	ED Score
637	Suratthani Rajabhat University Thailand, Asia	6422.5	1175	1110	1475	372.5	1325	965

มหาวิทยาลัยราชภัฏสุราษฎร์ธานีได้ผลคะแนนรวมจากทุกด้าน 6422.5 คะแนน จาก 10000 คะแนน ซึ่งมีรายละเอียดของการประเมินที่ได้รับคะแนน ดังนี้



1. ด้านสถานที่และโครงสร้างพื้นฐาน (SI: Setting & Infrastructure)
 - ได้คะแนน 1175 คะแนน จากคะแนนทั้งหมด 1500 คะแนน
2. ด้านพลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ (EC: Energy & Climate Change)
 - ได้คะแนน 1110 คะแนน จากคะแนนทั้งหมด 2100 คะแนน
3. ด้านของเสีย (WS: Waste)
 - ได้คะแนน 1475 คะแนน จากคะแนนทั้งหมด 1800 คะแนน



4. ด้านน้ำ (WR: Water)

- ได้คะแนน 372.5 คะแนน จากคะแนนทั้งหมด 1000 คะแนน

5. ด้านการขนส่ง (TR: Transportation)

- ได้คะแนน 1325 คะแนน จากคะแนนทั้งหมด 1800 คะแนน

6. ด้านการศึกษาและวิจัย (ED: Education & Research)

- ได้คะแนน 965 คะแนน จากคะแนนทั้งหมด 1800 คะแนน

ผลสรุปภาพรวมการจัดอันดับมหาวิทยาลัยสีเขียว ระดับโลก



ผลสรุปภาพรวมการจัดอันดับมหาวิทยาลัยสีเขียวโลก ระดับประเทศ



การนำข้อมูลส่งเข้าระบบ UI GreenMetric

1. สถานที่และโครงสร้างพื้นฐาน (SI)

ข้อ	คำถาม	คำตอบ	คะแนน
1.1	ประเภทของสถานศึกษา	[1] เป็นสถานศึกษาประเภทมหาวิทยาลัย	
1.2	ภูมิอากาศ	[2] ภูมิอากาศแบบร้อนชื้นสลับแล้ง	
1.3	จำนวนของวิทยาเขต	2 วิทยาเขต	
1.4	สถานที่ของวิทยาเขตหลัก	[3] ชุมชนเมือง	
1.5	พื้นที่ทั้งหมดของวิทยาเขตหลัก	1,006,989 ตารางเมตร	
1.6	พื้นที่ชั้นที่ 1 ของอาคารทั้งหมดในวิทยาเขตหลัก	135,174 ตารางเมตร	
1.7	พื้นที่อาคารทั้งหมดในวิทยาเขตหลัก	295,422 ตารางเมตร	
1.8	สัดส่วนของพื้นที่เปิดโล่งต่อพื้นที่ทั้งหมด	[3] > 80 - 90% = ((ข้อ 1.5 - ข้อ 1.6) / ข้อ 1.5) × 100% = ((1,006,989 - 135,174) / 1,006,989) × 100% = 86.60%	SI1 100/200
1.9	พื้นที่รวมภายในมหาวิทยาลัยที่ปกคลุมด้วยพืชพรรณประเภทป่าไม้ ซึ่งใช้ประโยชน์เพื่อการวิจัย การเรียนการสอน และ/หรือการบริการวิชาการแก่สังคม	[3] > 10 - 25% Total area: 176,732 = (ข้อ 1.9 / ข้อ 1.5) × 100% = (176,732 / 1,006,989) × 100% = 17.60%	SI2 50/100
1.10	พื้นที่รวมภายในมหาวิทยาลัยที่ปกคลุมด้วยพืชพรรณที่มีการปลูกหรือจัดภูมิทัศน์	[3] > 20 - 30% Total area: 264,392 = (ข้อ 1.10 / ข้อ 1.5) × 100% = (264,392 / 1,006,989) × 100% = 26.30%	SI3 100/200
1.11	พื้นที่ทั้งหมดของมหาวิทยาลัยที่ใช้เป็นพื้นที่ดูดซับน้ำ นอกเหนือจากป่า และพื้นที่ปลูกต้นไม้	[5] > 40% Total area: 430,692 = ((ข้อ 1.5 - ข้อ 1.6 - ข้อ 1.9 - ข้อ 1.10) / ข้อ 1.5) × 100% = ((1,006,989 - 135,174 - 176,732 - 264,392) / 1,006,989) × 100% = 42.80 %	SI4 100/100
1.12	จำนวนนักศึกษาทั้งหมด	14,657 คน	
1.13	จำนวนนักศึกษาออนไลน์ทั้งหมด	0 คน	



ข้อ	คำถาม	คำตอบ	คะแนน
1.14	จำนวนบุคลากรสายวิชาการและเจ้าหน้าที่	835 คน	
1.15	สัดส่วนพื้นที่เปิดโล่งต่อจำนวนประชากรทั้งหมดของวิทยาเขต	$[4] > 40 - 70 \text{ m}^2 / \text{person}$ $= (\text{ข้อ 1.5} - \text{ข้อ 1.6}) / (\text{ข้อ 1.12} + \text{ข้อ 1.14})$ $= (1,006,989 - 135,174) / (14,657 + 835)$ $= 871,815 / 15,492$ $= 56.27 \text{ ตารางเมตร/คน}$	SI5 150/200
1.16	งบประมาณทั้งหมดของมหาวิทยาลัย	28,661,169 USD	
1.17	งบประมาณของมหาวิทยาลัยในส่วนการดำเนินงานเพื่อความยั่งยืน	23,884,307 USD	
1.18	สัดส่วนงบประมาณของมหาวิทยาลัยในส่วนการดำเนินงานเพื่อความยั่งยืน (เฉลี่ยย้อนหลัง 3 ปี)	$[5] > 15\%$	SI6 200/200
1.19	สิ่งอำนวยความสะดวกภายในมหาวิทยาลัยสำหรับผู้ทุพพลภาพ ผู้ที่มีความต้องการพิเศษ และ/หรือการดูแลมารดาและทารก	[5] มีสิ่งอำนวยความสะดวกในทุกอาคารและดำเนินการเต็มรูปแบบ เช่น 1. ที่จอดรถสำหรับผู้ทุพพลภาพ 2. ห้องน้ำสำหรับผู้ทุพพลภาพ 3. ทางเดินสำหรับผู้ทุพพลภาพ 4. ศูนย์สุขภาพชุมชน	SI7 100/100
1.20	อุปกรณ์ด้านความปลอดภัย	[5] โครงสร้างพื้นฐานด้านความปลอดภัยพร้อมใช้งานและทำงานอย่างเต็มที่และมีเวลาตอบสนองด้านความปลอดภัยสำหรับอุบัติเหตุ อาชญากรรม ไฟไหม้ และภัยธรรมชาติน้อยกว่า 5 นาที เช่น 1. อุปกรณ์ดับเพลิงทุกอาคาร 2. หน่วยกู้ชีพกู้ภัย 3. กล้องวงจรปิดทุกพื้นที่	SI8 100/100
1.21	โครงสร้างพื้นฐานด้านสุขภาพ/สิ่งอำนวยความสะดวก เพื่อความเป็นอยู่ที่ดี สำหรับนักศึกษา อาจารย์ และเจ้าหน้าที่	[5] โครงสร้างพื้นฐานด้านสุขภาพประกอบด้วย (การปฐมพยาบาล ห้องฉุกเฉิน คลินิก และบุคลากรที่ผ่านการรับรอง	SI9 100/100



ข้อ	คำถาม	คำตอบ	คะแนน
1.22	การอนุรักษ์ทรัพยากรชีวภาพ ได้แก่ พืช (Flora) สัตว์ (Fauna) หรือสัตว์ป่า รวมถึงทรัพยากรพันธุกรรมด้านอาหารและการเกษตร โดยมีการจัดเก็บและดูแลรักษาในสถานที่อนุรักษ์ทั้งในระยะกลางหรือระยะยาว	[5] ดำเนินโครงการอย่างเต็มรูปแบบ > 75%	SI10 100/100
		1. พื้นที่อนุรักษ์สัตว์และพืชพันธุ์ไม้ 2. โรงเรือนเลี้ยงสัตว์	
1.23	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลโครงการต่าง ๆ ที่เกี่ยวข้องกับด้านพื้นที่และโครงสร้างพื้นฐานของมหาวิทยาลัย โดยอาศัยการใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	[4] โครงการได้รับการดำเนินงานและมีการประเมินผลแล้ว	SI11 75/100
1.24	ผลกระทบของโครงการด้านพื้นที่และโครงสร้างพื้นฐานในการสนับสนุนเป้าหมายการพัฒนาที่ยั่งยืน (Sustainable Development Goals: SDGs)	[3] มีผลกระทบในระดับมาก (สนับสนุน SDGs จำนวน 6-9 เป้าหมาย)	

2. พลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ (EC)

ข้อ	คำถาม	คำตอบ	คะแนน
2.1	การใช้อุปกรณ์ประหยัดพลังงาน	[4] > 50 - 75%	EC1 150/200
		มหาวิทยาลัยราชภัฏสุราษฎร์ธานีได้เปลี่ยนหลอดไฟธรรมดาเป็นหลอด LED จำนวน 23,328 หลอด จากทั้งหมด 23,328 หลอด และได้เปลี่ยนเครื่องปรับอากาศเป็นแบบประหยัดพลังงาน (VRF&VRV) จำนวน 379 เครื่อง จากทั้งหมด 850 เครื่อง $\text{หลอดไฟ} = (23,328/23,328) \times 100\% = 100\%$ $\text{เครื่องปรับอากาศ} = (379/850) \times 100\% = 44.59\%$ เฉลี่ยการใช้อุปกรณ์พลังงาน 72.30%	
2.2	พื้นที่ที่เป็นส่วนอาคารอเนกประสงค์ทั้งหมด	23,858 ตารางเมตร	
2.3	การดำเนินงานโครงการอาคารอเนกประสงค์	[2] 1 - 25%	EC2 75/300
		$= (\text{ข้อ 2.2} / \text{ข้อ 1.7}) \times 100\%$ $= (23,858 / 295,422) \times 100\%$ $= 8\%$	



ข้อ	คำถาม	คำตอบ	คะแนน
2.4	แหล่งพลังงานทดแทนที่ใช้ในวิทยาเขต	[2] 1 แหล่ง คือ Solar Power	EC3 75/300
2.5	ปริมาณพลังงานทดแทนที่ผลิตได้ในวิทยาเขตต่อปี	[1] ไม่มีข้อมูล	
2.6	การใช้พลังงานไฟฟ้าต่อปี	7,634,675 กิโลวัตต์-ชั่วโมง	
2.7	สัดส่วนการใช้ไฟฟ้าทั้งหมดต่อประชากรของวิทยาเขต	[4] $\geq 250 - 600$ kWh = ข้อ 2.6 / (ข้อ 1.12+1.14) = $7,634,675 / 15,492$ = 492.814 กิโลวัตต์-ชั่วโมง ต่อ คน	EC4 150/200
2.8	สัดส่วนพลังงานทดแทนที่ผลิตได้ต่อการใช้พลังงานทั้งหมดต่อปี	[1] $\leq 0.5\%$ = ข้อ 2.5 / ข้อ 2.6 = $0 / 7,634,675 \times 100\%$ = 0%	EC5 10/200
2.9	องค์ประกอบของการดำเนินงานอาคารสีเขียว (Green Building) ที่ปรากฏหรือถูกนำไปใช้ในอาคารต่าง ๆ ภายในมหาวิทยาลัย	[5] > 3 elements 1. การใช้แสงธรรมชาติในอาคาร 2. หน้าต่างกระจกประหยัดพลังงาน 3. การระบายอากาศโดยวิธีธรรมชาติ 4. การใช้นวนกั้นความร้อนสำหรับหลังคา	EC6 200/200
2.10	โครงการลดการปล่อยก๊าซเรือนกระจก	[5] โครงการที่มุ่งลดการปล่อยก๊าซเรือนกระจกทั้ง 3 ขอบเขต (Scope 1, 2 and 3) ประกอบไปด้วย ขอบเขตที่ 1 การปล่อยก๊าซเรือนกระจกทางตรง (Direct GHG Emission) ได้แก่ โครงการใช้รถไฟฟ้าเพื่อลดการใช้รถส่วนบุคคล ขอบเขตที่ 2 การปล่อยก๊าซเรือนกระจกทางอ้อมที่เกิดจากการซื้อพลังงานภายนอกองค์กร (Indirect GHG Emission) ได้แก่ โครงการลดการใช้ไฟฟ้าด้วยการติดตั้งโซลาร์เซลล์ ขอบเขตที่ 3 การปล่อยก๊าซเรือนกระจกทางอ้อมอื่นๆ (Other Indirect GHG Emission) ได้แก่ โครงการปลูกต้นไม้ในวิทยาเขต และ โครงการขยะเป็นศูนย์	EC7 200/200
2.11	ปริมาณคาร์บอนฟุตพริ้นท์ (การปล่อยก๊าซคาร์บอนไดออกไซด์ในช่วง 12 เดือนที่ผ่านมา)	Carbon footprint ในปี 2024 = 6,739 metric tons	



ข้อ	คำถาม	คำตอบ	คะแนน
2.12	สัดส่วนคาร์บอนฟุตพริ้นท์ทั้งหมดต่อประชากรของวิทยาเขต (เมตริกตันต่อคน)	[3] > 0.42 - 1.11 metric tons = ข้อ 2.11 / (ข้อ 1.12+1.14) = 6,739 / 15,492 = 0.43 เมตริกตันต่อคน	EC8 100/200
2.13	จำนวนโครงการนวัตกรรมในด้านพลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ	[4] 3 programs. 1. Agrivoltaics Farming Program 2. โครงการเครื่องจักรเพื่อสร้างมูลค่าเพิ่มจากเศษเหลือทิ้งน้ำมันมะพร้าว 3. โครงการ “GO GO Bike”	EC9 75/100
2.14	โครงการของมหาวิทยาลัยที่มีความสำคัญต่อการรับมือการเปลี่ยนแปลงสภาพภูมิอากาศ	[4] มีการฝึกอบรมและสื่อการเรียนการสอนแก่ชุมชนโดยรอบ และระดับประเทศ 1. Farm to Table and Agrivoltaics Farming Program 2. Zero Waste Program 3. IST Drives Net Zero Carbon Tourism in Khao Sok Program 4. The project of Development of a Machine to Add Value to Waste Residues from Coconut Oil Production 5. “GO GO Bike” to Go Green Program	EC10 75/100
2.15	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลโครงการต่าง ๆ ที่เกี่ยวข้องกับด้านพลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ โดยใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	[1] None	EC11 0/100
2.16	ผลกระทบของโครงการด้านพลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศในการสนับสนุนเป้าหมายการพัฒนาที่ยั่งยืน (Sustainable Development Goals: SDGs)	[3] มีผลกระทบในระดับมาก (สนับสนุน SDGs จำนวน 6-9 เป้าหมาย)	



3. ของเสีย (WS)

ข้อ	คำถาม	คำตอบ	คะแนน
3.1	โครงการนำของเสียในมหาวิทยาลัยกลับมาใช้ใหม่ 3R (Reduce, Reuse, Recycle)	[5] ดำเนินการแล้วมากกว่า 75%	WS1 200/200
3.2	ปริมาณรวมของกระดาษและพลาสติกที่เกิดขึ้นในปี	0	
3.3	ปริมาณรวมของกระดาษและพลาสติกที่เกิดขึ้นในปีที่แล้ว	0	
3.4	โครงการลดการใช้กระดาษและพลาสติกในวิทยาเขต	[3] 4 - 6 โครงการ/กิจกรรม 1. การนำกระดาษที่ถูกใช้ไปหน้าเดียวกลับมาใช้ใหม่ 2. มหาวิทยาลัยสนับสนุนให้ลดการใช้กระดาษโดยใช้ระบบสารบรรณอิเล็กทรอนิกส์มาใช้ในการทำงาน 3. โครงการลดการใช้พลาสติกในวิทยาเขต 4. โครงการการหยุดการให้ถุงพลาสติกในร้านค้าทั่ววิทยาเขต	WS2 150/300
3.5	ปริมาณของเสียอันตรายที่เกิดขึ้นในปี	0	
3.6	ปริมาณของเสียอันตรายที่เกิดขึ้นในปีที่แล้ว	0	
3.7	ปริมาณของเสียอันตรายที่ได้รับการบำบัดในปี	0	
3.8	การบำบัดของเสียอันตราย	[5] เกือบทั้งหมด (> 85% ของการบำบัด)	WS3 300/300
3.9	ปริมาณของเสียอันตรายที่เกิดขึ้นในปี	0	
3.10	ปริมาณของเสียอันตรายที่เกิดขึ้นในปีที่แล้ว	0	
3.11	ปริมาณของเสียอันตรายที่ได้รับการบำบัดในปี	0	
3.12	การบำบัดของเสียอันตราย	[5] เกือบทั้งหมด (> 85% ของการบำบัด)	WS4 300/300
3.13	ปริมาณของเสียที่เป็นสารพิษที่เกิดขึ้นในปี	0	
3.14	ปริมาณของเสียที่เป็นสารพิษที่เกิดขึ้นในปีที่แล้ว	0	
3.15	ปริมาณของเสียที่เป็นสารพิษที่ได้รับการบำบัดในปี	0	



ข้อ	คำถาม	คำตอบ	คะแนน
3.16	การบำบัดของเสียที่เป็นสารพิษ	[5] มีการจัดการอย่างครอบคลุม (มากกว่า 85% ได้รับการบำบัด) หรือมหาวิทยาลัยมีการเกิดของเสียอันตรายในปริมาณน้อยมาก	WS5 300/300
3.17	การบำบัดน้ำเสีย	[4] บำบัดขั้นที่สอง	WS6 225/300
3.18	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลโครงการต่าง ๆ ที่เกี่ยวข้องกับการจัดการของเสีย โดยใช้เทคโนโลยีสารสนเทศและการสื่อสาร (Information and Communication Technology: ICT)	[1] None	WS7 0/100
3.19	ผลกระทบของโครงการด้านการจัดการของเสียในการสนับสนุนเป้าหมายการพัฒนาที่ยั่งยืน (Sustainable Development Goals: SDGs)	[2] มีผลกระทบในระดับปานกลาง (สนับสนุน SDGs จำนวน 3-5 เป้าหมาย)	

4. น้ำ (WR)

ข้อ	คำถาม	คำตอบ	คะแนน
4.1	โครงการและการดำเนินงานด้านการอนุรักษ์ทรัพยากรน้ำ	[4] ดำเนินโครงการอนุรักษ์น้ำแล้วมากกว่า 25 - 50% ประกอบด้วย 1. แหล่งน้ำธรรมชาติ, 2. ถังเก็บน้ำใต้ดินในวิทยาเขต 3. ระบบกรองและบำบัดน้ำฝนเพื่อใช้ในวิทยาเขต สมัย	WR1 113/150
4.2	โครงการและการดำเนินงานด้านการนำน้ำเสียกลับมาใช้ใหม่	[4] มีการนำน้ำกลับมาใช้ใหม่มากกว่า 25% แต่ไม่เกิน 50% 1. การนำน้ำที่ผ่านการบำบัดแล้วกลับมาใช้ประโยชน์ภายในมหาวิทยาลัย 2. โครงการนำน้ำทิ้ง (Reject Water) กลับมาใช้ใหม่ 3. การใช้น้ำรีไซเคิลเพื่อการเกษตรและการจัดภูมิทัศน์ 4. การส่งเสริมแนวปฏิบัติที่ยั่งยืนผ่านการใช้น้ำรีไซเคิล	WR2 150/200



ข้อ	คำถาม	คำตอบ	คะแนน
4.3	การใช้อุปกรณ์ประหยัดน้ำ	[1] มีการติดตั้งอุปกรณ์ประหยัดน้ำแล้ว 1-20% มหาวิทยาลัยราชภัฏสุราษฎร์ธานีได้เปลี่ยน Toilet Flush เป็นแบบประหยัดน้ำ จำนวน 50 ชุด จากทั้งหมด 1,350 ชุด และได้เปลี่ยน Hand Washing Taps เป็นแบบประหยัดน้ำ จำนวน 50 ชุด จากทั้งหมด 1,400 ชุด Toilet Flush = $(50/1,350) \times 100\%$ = 3.70% Hand Washing Taps = $(50/1,400) \times 100\%$ = 3.57% เฉลี่ยการใช้อุปกรณ์ประหยัดน้ำ 3.64%	WR3 50/200
4.4	การใช้น้ำที่ผ่านการบำบัดแล้ว	[2] มีการใช้น้ำที่บำบัดแล้ว 1-25%	WR4 50/200
4.5	การควบคุมมลพิษทางน้ำในวิทยาเขต	[1] นโยบายและโครงการด้านการควบคุมมลพิษทางน้ำอยู่ในระหว่างการออกแบบและพัฒนา	WR5 10/200
4.6	การวางแผน การดำเนินการ การติดตาม และ/หรือการประเมินผลของโปรแกรมทั้งหมดที่เกี่ยวข้องกับการจัดการน้ำผ่านการใช้เทคโนโลยีสารสนเทศและการสื่อสาร (ICT)	[1] None	WR6 0/50
4.7	ผลกระทบของโครงการด้านการจัดการทรัพยากรน้ำในการสนับสนุนเป้าหมายการพัฒนาที่ยั่งยืน (Sustainable Development Goals: SDGs)	[2] มีผลกระทบในระดับปานกลาง (สนับสนุน SDGs จำนวน 3-5 เป้าหมาย)	



5. การขนส่ง (TR)

ข้อ	คำถาม	คำตอบ	คะแนน
5.1	จำนวนรถยนต์ที่มหาวิทยาลัยเป็นเจ้าของ	15 คัน	
5.2	จำนวนรถยนต์ที่เข้ามาในมหาวิทยาลัยในแต่ละวัน	900 คัน	
5.3	จำนวนรถจักรยานยนต์ที่เข้ามาในมหาวิทยาลัยในแต่ละวัน	5,000 คัน	
5.4	สัดส่วนของยานพาหนะ (รถยนต์ และรถจักรยานยนต์) ต่อจำนวนประชากรในวิทยาเขต	$[3] > 0.125 - 0.5$ $= (\text{ข้อ 5.1} + \text{ข้อ 5.2} + \text{ข้อ 5.3}) / \text{ข้อ (1.12+1.14)}$ $= (15+900+5,000) / 15,492$ $= 0.38 \text{ คัน/คน}$	TR1 100/200
5.5	บริการรถรับส่งสาธารณะ	[5] การให้บริการโดยมหาวิทยาลัย ได้แก่ ยานพาหนะประจำ ยานพาหนะปลอดการปล่อยก๊าซเรือนกระจก (Zero Emission Vehicles: ZEV) หรือบริการรถรับส่ง ซึ่งอาจไม่สามารถนำมาประเมินได้ในบางกรณี	TR2 250/250
5.6	จำนวนรถรับส่งที่วิ่งในมหาวิทยาลัย	11 คัน	
5.7	จำนวนผู้โดยสารโดยเฉลี่ยต่อรถรับส่งแต่ละคัน	15 คน	
5.8	จำนวนรอบของรถรับส่งที่ให้บริการต่อคันต่อวัน	10 รอบ/คัน/วัน	
5.9	นโยบายที่เกี่ยวกับยานพาหนะไร้มลพิษ	[5] ในวิทยาเขตมียานพาหนะไร้มลพิษ พร้อมให้บริการฟรีภายในมหาวิทยาลัย มหาวิทยาลัยมีรถรับส่งที่ใช้พลังงานไฟฟ้า พร้อมระบบติดตามรถที่ผู้ใช้สามารถดาวน์โหลดเป็นแอปพลิเคชันติดตามเส้นทางที่กำหนดรอบ ๆ มหาวิทยาลัย นอกจากนี้ยังมีรถรับส่งไฟฟ้าขนาดเล็ก เช่น ยานพาหนะที่ให้บริการส่วนบุคคลจากที่หนึ่งไปยังอีกที่หนึ่ง	TR3 200/200
5.10	จำนวนเฉลี่ยของยานพาหนะปลอดการปล่อยก๊าซเรือนกระจก (Zero Emission Vehicles: ZEV) ภายในมหาวิทยาลัยต่อวัน (เช่น จักรยาน เรือแคนู สโนว์บอร์ด รถยนต์ไฟฟ้า เป็นต้น)	300 คัน	



ข้อ	คำถาม	คำตอบ	คะแนน
5.11	สัดส่วนของยานพาหนะไร้มลพิษต่อจำนวนประชากรในวิทยาเขต	[4] > 0.008 - 0.02 = ข้อ 5.10 / ข้อ (1.12+1.14) = 300 / 15,492 = 0.019 คัน/คน	TR4 150/200
5.12	พื้นที่จอดรถทั้งหมด	138,057 ตารางเมตร	
5.13	สัดส่วนพื้นที่จอดรถต่อพื้นที่ทั้งหมด	> 11% = (ข้อ 5.12 / ข้อ 1.5) × 100% = (138,057 / 1,006,989) × 100% = 13.7%	TR5 0/200
5.14	โครงการเพื่อการจำกัดหรือลดพื้นที่จอดรถในช่วง 3 ปีที่ผ่านมา	[4] พื้นที่จอดรถลดลง 10% - 30% ประกอบด้วย 1. การกำหนดพื้นที่จอดรถสำหรับนักศึกษา 2. การให้บริการรถรับส่งสาธารณะในวิทยาเขต	TR6 150/200
5.15	จำนวนโครงการ เพื่อลดจำนวนรถส่วนบุคคลในวิทยาเขต	[4] 3 โครงการ ประกอบไปด้วย 1. การกำหนดพื้นที่จอดรถสำหรับนักศึกษา 2. การให้บริการรถรับส่งสาธารณะในวิทยาเขต 3. การให้บริการรถโดยสารขนาดใหญ่ในการเดินทาง	TR7 150/200
5.16	พื้นที่ทางเท้าภายในวิทยาเขต	[5] มีทางเดินเท้าที่ออกแบบมาเพื่อความปลอดภัย สะดวกสบาย และมีคุณสมบัติที่เป็นมิตรสำหรับผู้พิการ	TR8 250/250
5.17	ระยะทางการเดินทางแต่ละวัน โดยประมาณของยานพาหนะภายในวิทยาเขต	50 กิโลเมตร	
5.18	การวางแผน การดำเนินการ การติดตาม และ/หรือการประเมินผลของโปรแกรมทั้งหมดที่เกี่ยวข้องกับด้านการขนส่งผ่านการใช้เทคโนโลยีสารสนเทศและการสื่อสาร (ICT)	[4] โครงการได้รับการดำเนินงานและมีการติดตามและประเมินผลแล้ว	TR9 75/100
5.19	ผลกระทบของโครงการด้านการคมนาคม และขนส่งในการสนับสนุนเป้าหมายการพัฒนาที่ยั่งยืน (Sustainable Development Goals: SDGs)	[2] มีผลกระทบในระดับปานกลาง (สนับสนุน SDGs จำนวน 3-5 เป้าหมาย)	



6. การศึกษาและวิจัย (ED)

ข้อ	คำถาม	คำตอบ	คะแนน
6.1	จำนวนรายวิชาที่เกี่ยวข้องกับความยั่งยืนที่เปิดสอน	29 รายวิชา	
6.2	จำนวนรายวิชา/หลักสูตรทั้งหมดที่เปิดสอน	55 รายวิชา	
6.3	จำนวนรวมของหลักสูตรการศึกษาที่เกี่ยวข้องกับความยั่งยืนที่เปิดสอน	29 หลักสูตร	
6.4	สัดส่วนของรายวิชาด้านความยั่งยืนเมื่อเทียบกับรายวิชาทั้งหมด	$[5] > 20\%$ $= (\text{ข้อ 6.1} / \text{ข้อ 6.2}) \times 100\%$ $= (29 / 55) \times 100\%$ $= 52.73\%$	ED1 200/200
6.5	งบประมาณวิจัยที่จัดสรรให้กับงานวิจัยด้านความยั่งยืน (หน่วย: ดอลลาร์สหรัฐ) โดยคำนวณเป็นค่าเฉลี่ยต่อปีในช่วง 3 ปีที่ผ่านมา	119,043 USD	
6.6	ทุนวิจัยทั้งหมด (หน่วย: ดอลลาร์สหรัฐ) โดยคำนวณเป็นค่าเฉลี่ยต่อปีในช่วง 3 ปีที่ผ่านมา	1,939,070 USD	
6.7	สัดส่วนของทุนวิจัยด้านความยั่งยืนต่อทุนวิจัยทั้งหมด	$[2] > 1 - 10\%$ $= (\text{ข้อ 6.5} / \text{ข้อ 6.6}) \times 100\%$ $= (119,043 / 1,939,070) \times 100\%$ $= 6.14 \%$	ED2 50/200
6.8	จำนวนอาจารย์และนักวิจัยภายในมหาวิทยาลัยในช่วงระยะเวลา 1 ปี	0	
6.9	จำนวนผลงานวิชาการด้านความยั่งยืนในช่วงระยะเวลา 1 ปี	77	
6.10	สัดส่วนของผลงานวิชาการด้านความยั่งยืนต่อจำนวนอาจารย์และนักวิจัยภายในมหาวิทยาลัย ในช่วงระยะเวลา 1 ปี	$[1] < 0.5$	ED3 0/200
6.11	จำนวนกิจกรรมด้านความยั่งยืน (เฉลี่ย 3 ปี)	$[5] > 50$ กิจกรรม	ED4 150/150



ข้อ	คำถาม	คำตอบ	คะแนน
6.12	จำนวนกิจกรรมที่จัดโดยองค์กรนักศึกษาซึ่งเกี่ยวข้องกับคามยั่งยืนต่อปี	[2] 1 – 5 กิจกรรม 1. Zero Waste Project (Trash Lucky)	ED5 38/150
6.13	เว็บไซต์เกี่ยวกับคามยั่งยืนของมหาวิทยาลัย	[5] มีเว็บไซต์เผยแพร่และอัปเดตเป็นประจำ	ED6 200/200
6.14	เว็บไซต์ข้อมูลคามยั่งยืนของมหาวิทยาลัย (URL)	https://sdg.sru.ac.th/	
6.15	รายงานคามยั่งยืน	[5] มีรายงานคามยั่งยืนสามารถเข้าถึงได้และเผยแพร่เป็นประจำทุกปี	ED7 100/100
6.16	ลิงก์รายงานคามยั่งยืน	https://sustain.sru.ac.th/report/	
6.17	จำนวนกิจกรรมด้านวัฒนธรรมของสถานศึกษา (เช่น เทศกาล วัฒนธรรม)	[5] มากกว่า 10 กิจกรรม/ปี	ED8 100/100
6.18	จำนวนโครงการคามยั่งยืนที่เข้าร่วมกับนานาชาติ	[2] 1 - 3 โครงการ/ปี 1. โครงการ Zero waste UNDP	ED9 25/100
6.19	จำนวนโครงการบริการชุมชนอย่างยั่งยืนที่จัดและ/หรือเกี่ยวข้องกับนิสิตนักศึกษา	[1] ไม่มีรายงาน	ED10 0/100
6.20	จำนวนสตาร์ทอัพ (startups) ที่เกี่ยวข้องกับคามยั่งยืน	[1] ไม่มีรายงาน	ED11 0/100
6.21	จำนวนรวมของบัณฑิตที่ไดงานในสายอาชีพด้านพลังงานสีเขียว (Green Jobs) ในช่วง 3 ปีที่ผ่านมา	0	
6.22	จำนวนรวมของบัณฑิตในช่วง 3 ปีที่ผ่านมา	0	
6.23	ร้อยละของจำนวนบัณฑิตที่ไดงานในสายอาชีพด้านพลังงานสีเขียว (Green Jobs) ในช่วง 3 ปีที่ผ่านมา	[1] ไม่มีรายงาน	ED12 3/50
6.24	การมีอยู่ของหน่วยงานหรือสำนักงานที่ทำหน้าที่ประสานงานหรือมีภารกิจที่เกี่ยวข้องกับคามยั่งยืน	[3] มีหน่วยงานหรือสำนักงานที่จัดตั้งขึ้นโดยคำสั่งผู้บริหารมหาวิทยาลัย โดยมีการกำหนดโครงสร้างและหน้าที่อยู่ในระยะเริ่มต้น	ED13 25/50



ข้อ	คำถาม	คำตอบ	คะแนน
6.25	การวางแผน การดำเนินงาน การติดตาม และ/หรือการประเมินผลด้านการกำกับดูแลมหาวิทยาลัย โดยใช้เทคโนโลยีสารสนเทศ และการสื่อสาร (Information and Communication Technology: ICT)	[4] โครงการได้รับการดำเนินงานและมี การติดตามและประเมินผลแล้ว	ED14 75/100
6.26	ผลกระทบของโครงการด้านการศึกษาและ การวิจัยในการสนับสนุนเป้าหมายการพัฒนาที่ยั่งยืน (Sustainable Development Goals: SDGs)	[2] มีผลกระทบในระดับปานกลาง (สนับสนุน SDGs จำนวน 3-5 เป้าหมาย)	



ภาคผนวก



ภาคผนวก ก ผลการจัดอันดับมหาวิทยาลัยสีเขียวโลก



CERTIFICATE

This certificate is awarded to
Suratthani Rajabhat University
as The 637th 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



Fact File

UI GreenMetric World University Rankings 2025

**SURATTHANI RAJABHAT UNIVERSITY
THAILAND**

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Notes from the Chairperson

With heartfelt pride and sincere appreciation, we present this year's report on the global ranking of universities committed to sustainability. In 2025, we received submissions from 1,745 universities in 105 countries. This growing participation is encouraging, not simply because the numbers are larger, but because it reflects a shared willingness to take sustainability seriously, measure progress, and keep improving.

As the world's first university ranking system centered on sustainability, UI GreenMetric was created with the clear belief that universities can be powerful drivers of change. Ranking is a tool for benchmarking, but it is also a platform for learning and collaboration. By joining, institutions demonstrate that sustainability is not only an aspiration but also a responsibility that can be translated into policies, programs, and measurable outcomes.

We want to recognize every institution that participated this year. We understand that preparing a submission involves real work, coordinating teams, gathering data across units and documenting evidence. We also recognize that each university's journey is different. Some institutions have long-established systems and strong resource bases. Others are building progress step-by-step, often with limited capacity. Both are meaningful, and every improvement is important.

This year's participation marks an important milestone for our communities. It strengthens our shared mission and reminds us that sustainability leadership is growing across regions and institutional types worldwide. Simultaneously, we remain committed to strengthening trust in the ranking. In the year ahead, we will focus more strongly on data consistency, evidence quality, and verification practices while continuing to refine and clarify our methodology so that the results remain transparent and reliable.

We hope that the next questionnaire cycle will bring not only broader participation but also stronger reporting and deeper sharing of practical innovations. Together, through measurable action and collective learning, we can accelerate progress and create an impact that extends beyond campuses into communities and the wider world. Thank you for your commitment and for being a part of this shared journey toward a more sustainable future.

With Regards,

Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

Elevate Your University's Global Impact

Empowering campuses worldwide to build a greener, smarter, and more resilient future.

Why choose UI GreenMetric Consulting Services?



Engage with a vibrant global network of more than 1,745 universities across 105 countries.



Strengthen sustainability performance through focused indicator analysis and a customized improvement roadmap.



Enhance your institution's visibility and leadership within the global sustainability movement.



Advance global partnerships and SDG efforts through UI GreenMetric programs, leadership forums, capacity-building workshops, and sustainability dialogues.

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Silver

Take this opportunity to make a meaningful difference and lead sustainability progress on your campus.

For more information, or to discuss the available packages,

**please visit the link below
or scan the QR code:**



<https://greenmetric.ui.ac.id/register/service-form>



UNIVERSITY PROFILE

NAME : SURATTHANI RAJABHAT UNIVERSITY
EST. : 1973
COUNTRY : THAILAND

1. VERIFIED DATA

Campus Sustainability Scores

Overall Performance
64.23 %

Total Score
6422.5 / 10000

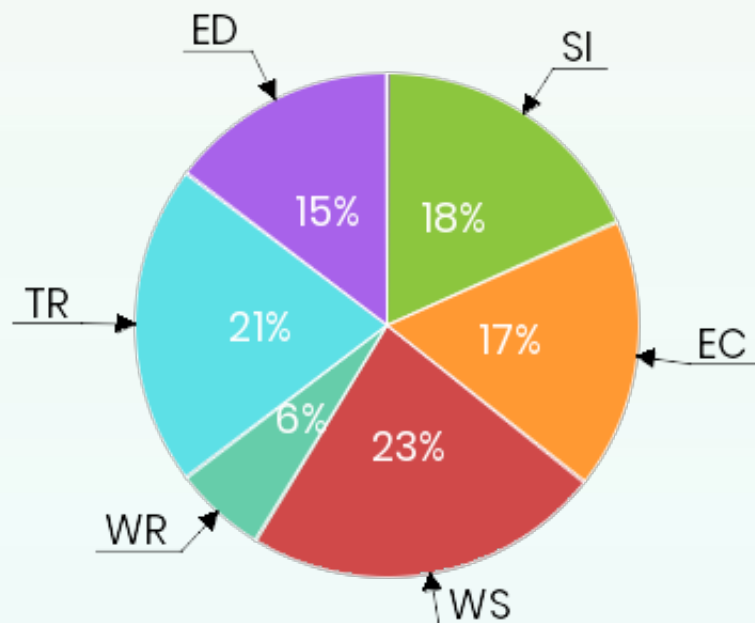
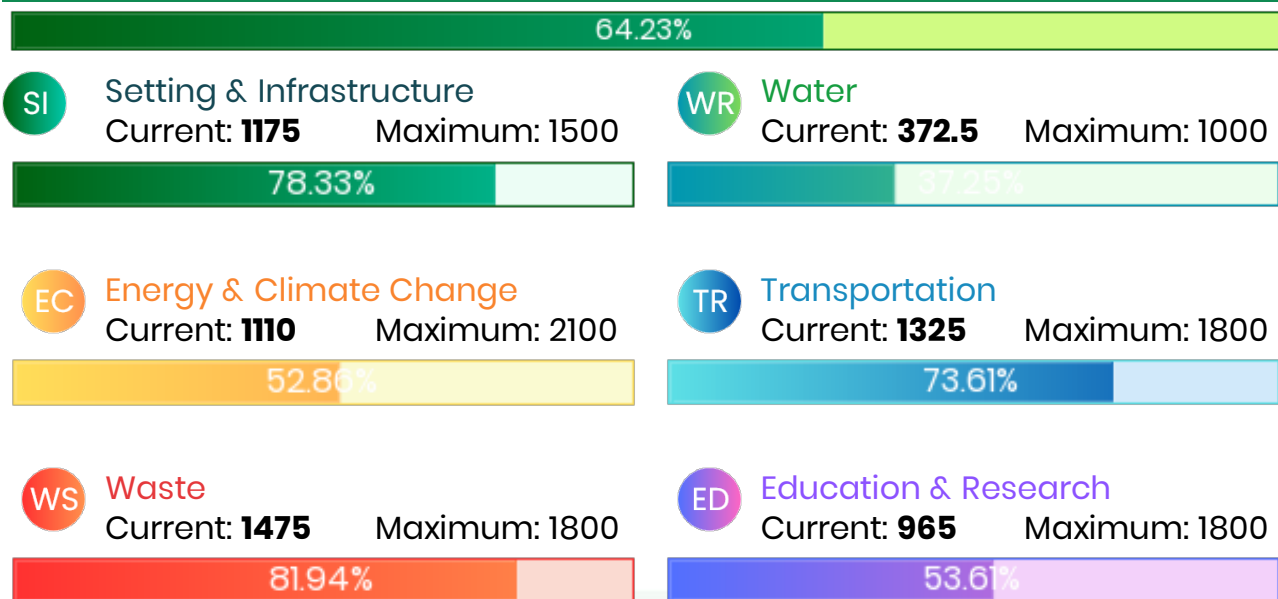
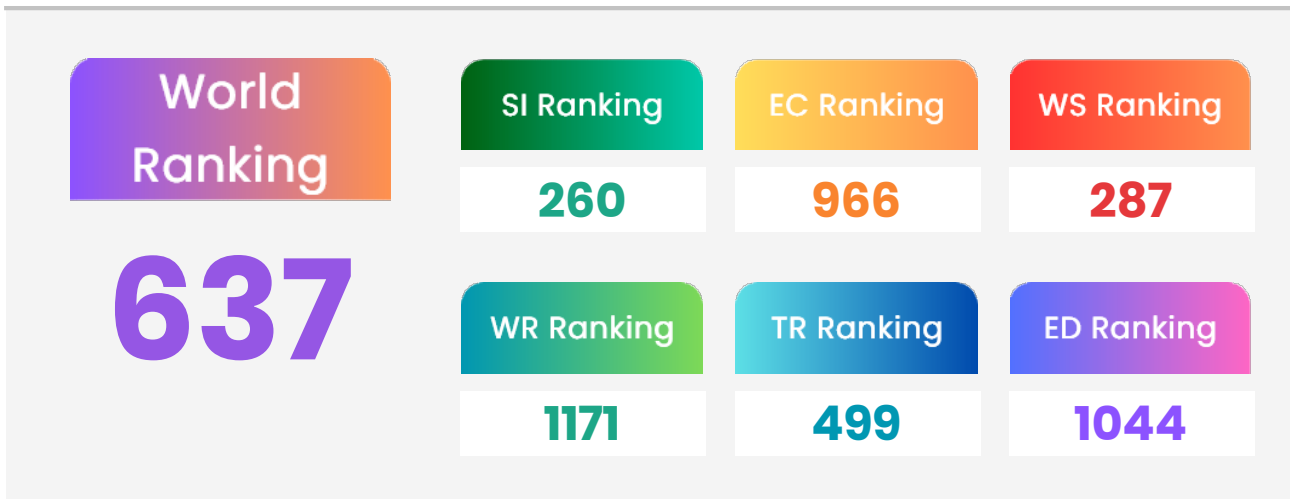


Figure 1.1 Category Score Contribution to Total Score

2. RESULTS SUMMARY



3. WORLD RANKINGS HISTORY

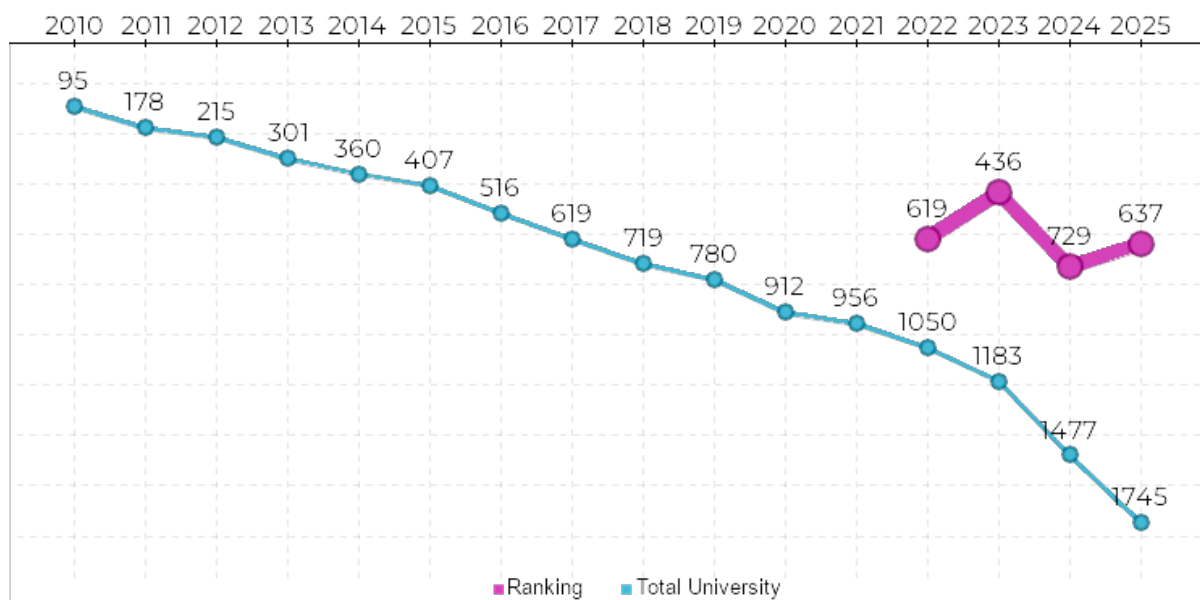
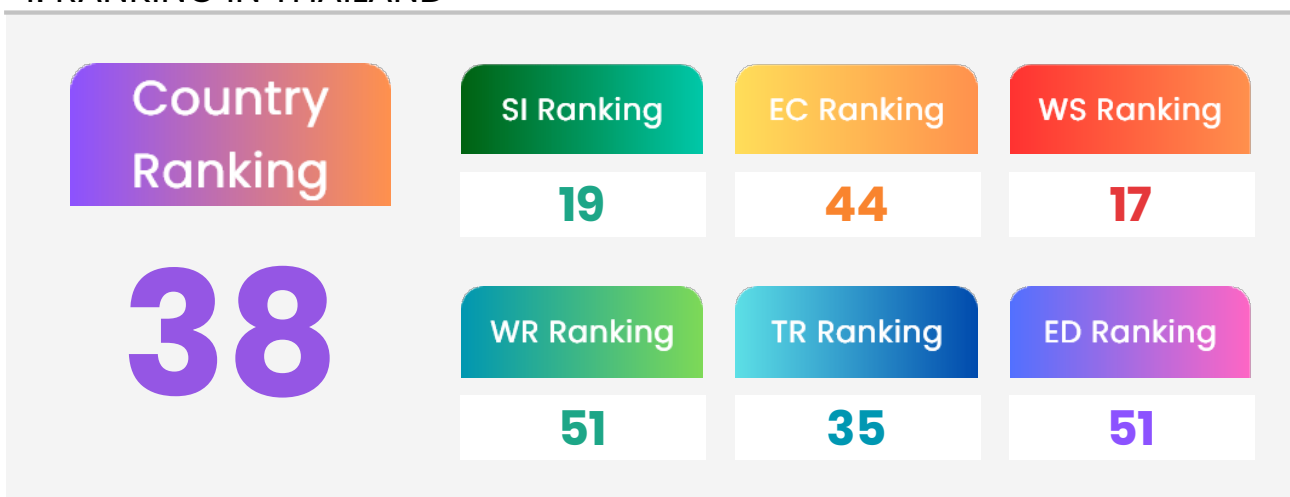


Figure 3.1 World Rankings History Diagram

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	100
SI.2	Total area on campus covered in forest vegetation used for research, teaching, and/or community engagement	50
SI.3	Total area on campus covered in planted vegetation	100
SI.4	Total area on campus for water absorption besides the forest and planted vegetation	100
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	100
SI.8	Security and safety facilities	100
SI.9	Health infrastructure facilities for students, academics and administrative staffs' well-being	100
SI.10	Conservation: plant (flora), animal (fauna), or wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities	100
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)	75

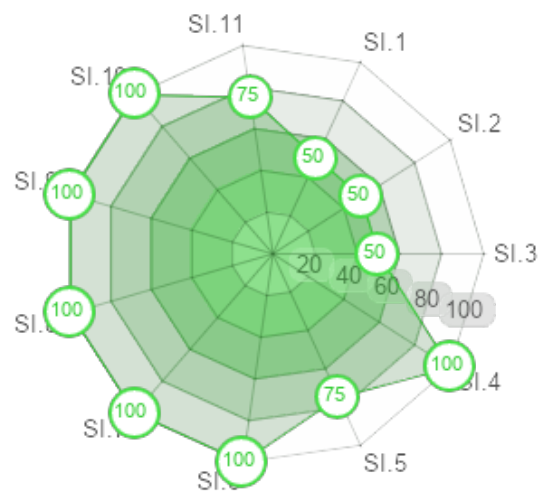


Figure 5.1 Percentage of Score to Maximum Score for Setting and Infrastructure

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	150
EC.2	Smart building implementation	75
EC.3	Number of renewable energy sources on campus	75
EC.4	Total electricity usage divided by total campus' population	150
EC.5	The ratio of renewable energy production divided by total energy usage per year	10
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	75
EC.10	Impactful university program(s) on climate change	75
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)	0

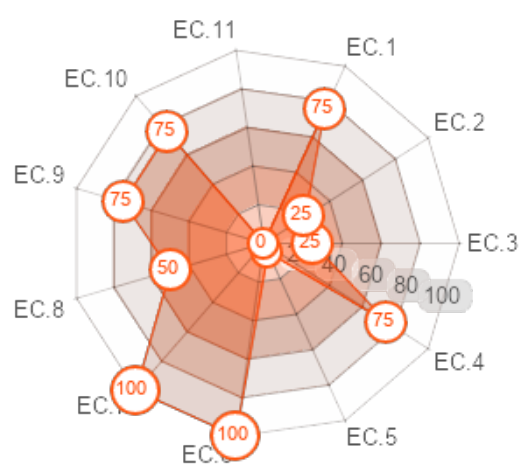


Figure 5.2 Percentage of Score to Maximum Score for Energy and Climate Change

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	150
WS.3	Organic waste treatment	300
WS.4	Inorganic waste treatment	300
WS.5	Toxic waste treatment	300
WS.6	Sewage disposal	225
WS.7	Planning, implementation, monitoring and/or evaluation of all programs related to Waste Management through the utilization of Information and Communication Technology (ICT)	0

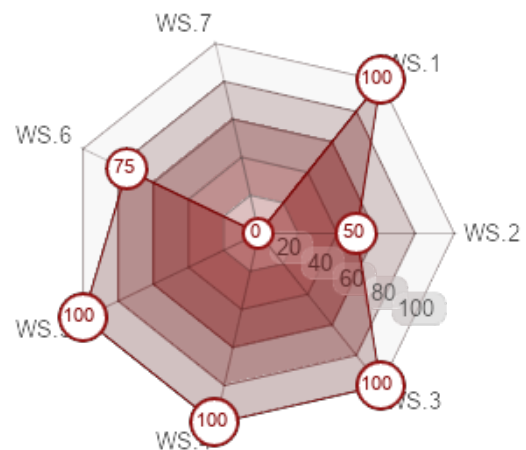


Figure 5.3 Percentage of Score to Maximum Score for Waste

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	50
WR.4	Consumption of treated water	50
WR.5	Water pollution control in the campus area	10
WR.6	Planning, implementation, monitoring and/or evaluation of all programs related to Water Management through the utilization of Information and Communication Technology (ICT)	0

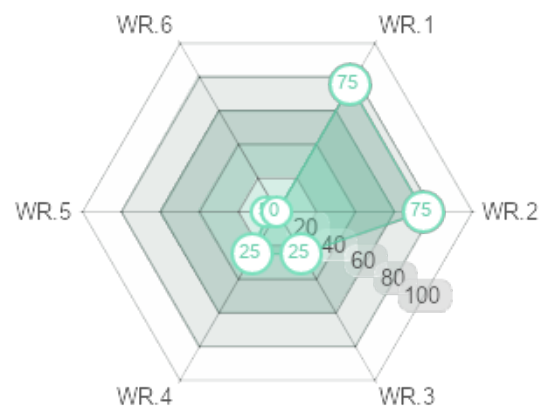


Figure 5.4 Percentage of Score to Maximum Score for Water

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	100
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	150
TR.5	Ratio of the ground parking area to the total campus area	0
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	150
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

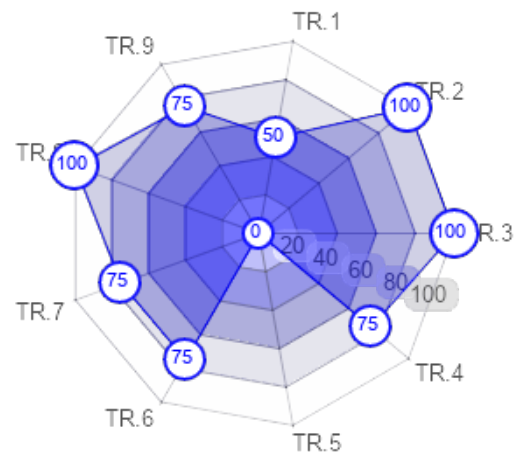


Figure 5.5 Percentage of Score to Maximum Score for Transportation

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	50
ED.3	Ratio of scholarly publications on sustainability to lecturers/researchers on campus in one year period	0
ED.4	Number of events related to sustainability (environment)	150
ED.5	Number of activities organized by student organizations related to sustainability per year	38
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	25
ED.10	Number of community services related to sustainability organized by university and involving students	0
ED.11	Number of sustainability-related startups	0
ED.12	Percentage of number of graduates with green jobs (for the last 3 years)	3
ED.13	Availability of unit or office that coordinate sustainability on campus	25
ED.14	Planning, implementation, monitoring and/or evaluation of university governance through the utilization of Information and Communication Technology (ICT)	75

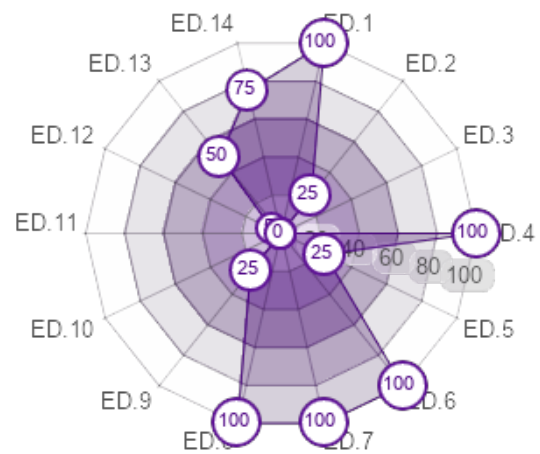
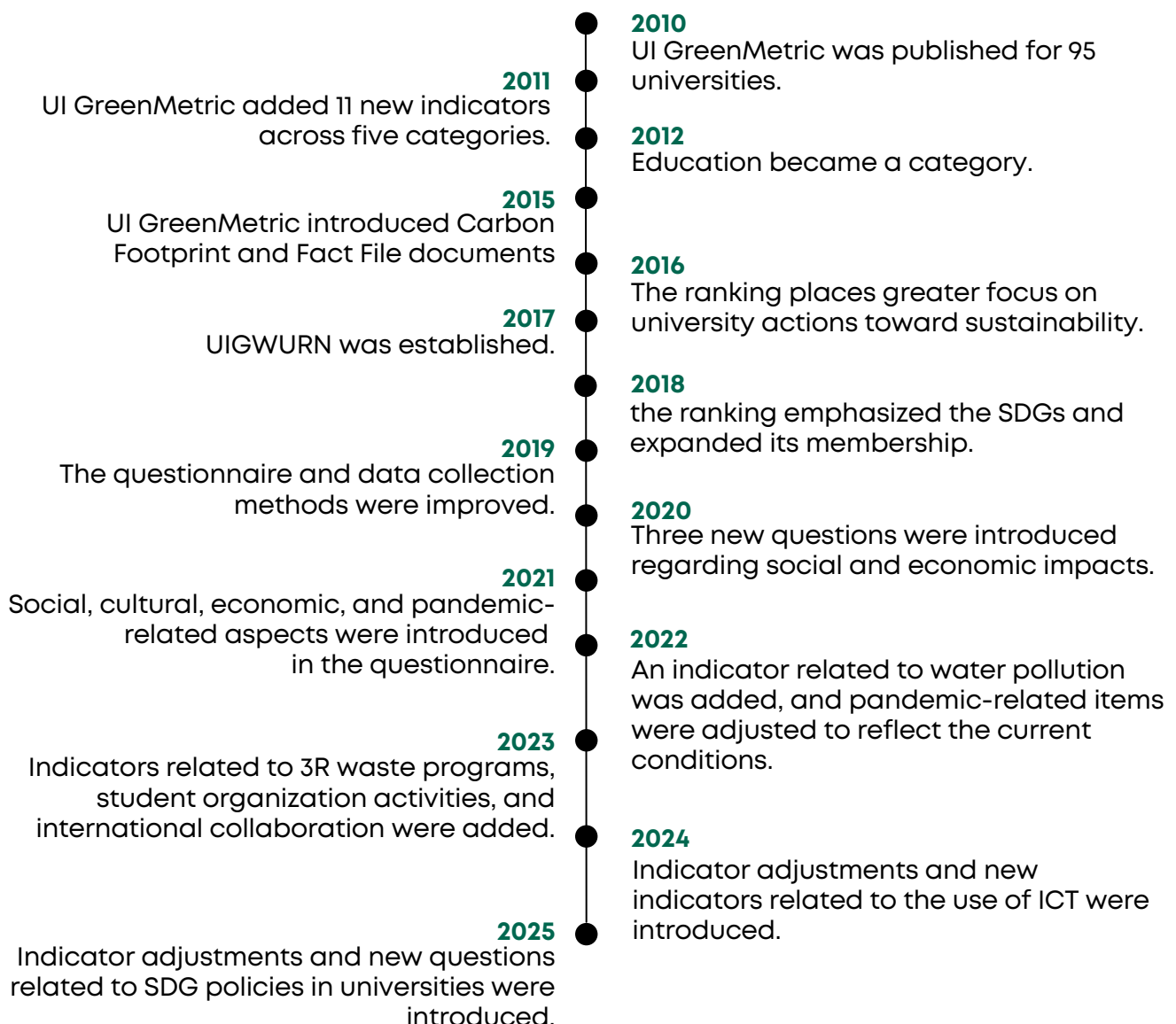


Figure 5.6 Percentage of Score to Maximum Score for Education

What is UI GreenMetric?

UI GreenMetric World University Rankings is an annual sustainability ranking of universities. Initiated by the Universitas Indonesia, it assesses universities worldwide based on their commitment to sustainability. UI GreenMetric World University Rankings aims to increase awareness and encourage continuous improvement in sustainable campus practices.

UI GreenMetric Historical Overview



History of the Ranking

UI GreenMetric World University Rankings is a non-profit initiative of the Universitas Indonesia that has been developed since 2010.

In 2009, the Universitas Indonesia hosted the International Conference on World University Rankings, attended by global ranking institutions such as Webometrics and HEEACT. Following this conference, in 2010, Prof. Dr. der. Soz. Gumilar Rusliwa Somantri, Rector of the Universitas Indonesia at the time, initiated the establishment of UI GreenMetric World University Rankings and appointed Prof. Dr. Ir. Riri Fitri Sari, M.M., M.Sc. as its first chairperson.

A team consisting of Dr. Junaidi, S.S., M.A., Dr. Budi Hartono, S.Si., M.K.M., Allan Lauder, and Prof. Ir. Gunawan Tjahjono, M.Arch., Ph.D. developed the first version of UI GreenMetric questionnaire and introduced the ranking system internationally. Over the years, the questionnaire continued to be refined with contributions from additional team members, including Dr. Nyoman Suwartha, S.T., M.T., MAg., Prof. Dr. Ir. Tommy Ilyas, M.Eng., and Dr. Ruki Harwahu, S.T., M.T., M.Sc.

To strengthen outreach and coordination with universities worldwide, UI GreenMetric World University Rankings Network (UI GWURN) was established in 2017, enabling each participating country to have its own national coordinator. To operationalize the network, Dr. Junaidi formulated a strategic framework that continues to guide GWURN activities today. Currently, the UI GWURN consists of 36 national coordinators across Asia, America, Africa, and Europe, each voluntarily organizing national workshops and encouraging more universities within their countries to participate.

As a member of the IREG, UI GreenMetric continues to expand its activities and collaborations among participating universities to achieve a shared goal: sustainable universities for a sustainable future. In developing its methodology, UI GreenMetric also studied other global ranking systems, including the Times Higher Education World University Rankings (THE), QS World University Rankings, Academic Ranking of World Universities (ARWU) by Shanghai Jiao Tong University (SJTU), and Webometrics Ranking of World Universities by Cybermetrics Lab, CINDOC-CSIC in Spain.

In 2025, UI GreenMetric entered a new chapter with the appointment of a renewed leadership team by the Rector of the Universitas Indonesia, Prof. Dr. Ir. Heri Hermansyah, S.T., M.Eng., IPU. He appointed Vishnu Juwono, S.E., M.I.A., Ph.D. as the Chairperson of UI GreenMetric and Dr. Abellia Anggi Wardani, S.Hum., M.A. as the Vice-Chairperson. To further strengthen the organization's development, Rahmi, S.Hum., M.Sc., and Ph.D. were also appointed as Expert Members for Service Development, Research, and Data Management.

UI GreenMetric continues to progress with the support of a solid office team, including Sabrina Hikmah Ramadianti, S.Si., Rinoto Cahyo Utomo, S.Tr., Jauzak Hussaini W., S.Kom., M.T., Dewinda Novitasari, S.T., Rayhana, S.Gz., Riska Putri Hariyadi, S.IP., M.Si., I Bagus Ngurah Alit Putra Wiryawan, S.Pd., M.Si., Elza Yunita Anwar, S.I.A., and other dedicated staff members.

This leadership composition reflects UI GreenMetric's commitment to enhancing its global impact, improving methodological rigor, strengthening international collaboration, and advancing sustainability initiatives through data-driven research and service innovation.

Methodology

UI GreenMetric collects data through an online questionnaire. All participants answered questions for some period. Subsequently, UI GreenMetric expert members and reviewers validated the answers based on the evidence provided by the participants. The categories and weighting of points for this year are as follows: The specific indicators and their corresponding points are listed in Table 3. Each indicator was uniquely identified by a category code and number (e.g., SI 5).

In our list, universities with the same total score will be ranked according to the highest weighted indicators, that is, first based on its Energy and Climate Change (EC) score, then based on the total score for Waste (WS), Transportation (TR), and Education (ED). Subsequently, it will be based on its Setting and Infrastructure (SI) score, and finally, it will depend on its Water (WR) score.

The following sections present the detailed indicators and their respective weightings used in UI GreenMetric evaluation system. These indicators serve as the basis for assessing each university's sustainability performance in key categories.



**Setting and
Infrastructure (SI)**

15%



**Energy and Climate
Change (EC)**

21%



Waste (WS)

18%



Water (WR)

10%



Transportation (TR)

18%



**Education and
Research (ED)**

18%

Methodology

The following table outlines the detailed criteria for each indicator. These criteria provide a clear framework for evaluating university performance, ensuring consistency and transparency in the assessment process.

No	Criteria	Point
1	Setting and Infrastructure (SI)	
SI1	The ratio of open space area to total area	200
SI2	Total area on campus covered in forest vegetation used for research, teaching, and/or community engagement	100
SI3	Total area on campus covered in planted vegetation	200
SI4	Total area on campus for water absorption besides the forest and planted vegetation	100
SI5	The total open space area divided by total campus population	200
SI6	Percentage of university budget for sustainability efforts	200
SI7	Campus facilities for disable, special needs and/or maternity care	100
SI8	Security and safety facilities	100
SI9	Health infrastructure facilities for students, academics and administrative staffs' well-being	100
SI10	Conservation: plant (flora), animal (fauna), or wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities	100
SI11	Planning, implementation, monitoring and/or evaluation of all programs related to Setting and Infrastructure through the utilization of Information and Communication Technology (ICT)	100
Total		1500
2	Energy and Climate Change (EC)	
EC1	Energy efficient appliances usage	200
EC2	Smart building implementation	300
EC3	Number of renewable energy sources on campus	300
EC4	Total electricity usage divided by total campus' population (kWh per person)	200
EC5	The ratio of renewable energy production divided by total energy usage per year	200
EC6	Elements of green building implementation as reflected in all buildings	200
EC7	Greenhouse gas emission reduction program	200
EC8	Total carbon footprint divided by total campus' population (metric tons per person)	200
EC9	Number of innovative program(s) in energy and climate change	100
EC10	Impactful university program(s) on climate change	100
EC11	Planning, implementation, monitoring and/or evaluation of all programs related to Energy and Climate Change through the utilization of Information and Communication Technology (ICT)	100
Total		2100

Methodology

3	Waste (WS)	
WS1	3R (Reduce, Reuse, Recycle) program for university's waste	200
WS2	Program to reduce the use of paper and plastic on campus	300
WS3	Organic waste treatment	300
WS4	Inorganic waste treatment	300
WS5	Toxic waste treatment	300
WS6	Sewage disposal	300
WS7	Planning, implementation, monitoring and/or evaluation of all programs related to Waste Management through the utilization of Information and Communication Technology (ICT)	100
Total		1800
4	Water (WR)	
WR1	Water conservation program & implementations	150
WR2	Water recycling program implementation	200
WR3	Water efficient appliances usage	200
WR4	Consumption of treated water	200
WR5	Water pollution control in the campus area	200
WR6	Planning, implementation, monitoring and/or evaluation of all programs related to Water Management through the utilization of Information and Communication Technology (ICT)	50
Total		1000
5	Transportation (TR)	
TR1	The total number of vehicles (cars and motorcycles) divided by total campus' population	200
TR2	Shuttle services	250
TR3	Zero Emission Vehicles (ZEV) availability on campus	200
TR4	The total number of Zero Emission Vehicles (ZEV) divided by total campus population	200
TR5	Ratio of the ground parking area to the total campus area	200
TR6	Program to limit or decrease the parking area on campus for the last 3 years (from 2021 to 2023)	200
TR7	Number of initiatives to decrease private vehicles on campus	200
TR8	The pedestrian path on campus	250
TR9	Planning, implementation, monitoring and/or evaluation of all programs related to Transportation through the utilization of Information and Communication Technology (ICT)	100
Total		1800

Methodology

6	Education and Research (ED)	
ED1	The ratio of sustainability courses to total courses/subjects	200
ED2	The ratio of sustainability research funding to total research funding	200
ED3	Ratio of scholarly publications on sustainability to lecturers/researchers on campus in one year period	200
ED4	Number of events related to sustainability (environment)	150
ED5	Number of activities organized by student organizations related to sustainability per year	150
ED6	University-run sustainability website	200
ED7	Sustainability report	100
ED8	Number of cultural activities on campus (e.g.Cultural Festival)	100
ED9	Number of university sustainability program(s) with international collaborations	100
ED10	Number of community services related to sustainability organized by university and involving students	100
ED11	Number of sustainability-related startups	100
ED12	Percentage of number of graduates with green jobs (for the last 3 years)	50
ED13	Availability of unit or office that coordinate sustainability on campus	50
ED14	Planning, implementation, monitoring and/or evaluation of university governance through the utilization of Information and Communication Technology (ICT)	100
Total		1800

NEW TIMELINE: 2026 DATA SUBMISSION

Get Ready for UI GreenMetric 2026

**FEBRUARY–
JUNE 2026**

With an updated timeline, early preparation is key.

Preparing your data in advance ensures that your sustainability efforts are accurately represented.

DATA SUBMISSION

Accuracy and credibility were ensured at this stage.

During this phase, UI GreenMetric reviews the submitted questionnaires and verifies the supporting evidence to confirm alignment with the reported claims.

VALIDATION PROCESS

**JULY–
AUGUST 2026**

Your sustainability impact takes the global stage.

The official results highlight your university's performance and commitment to sustainability in the global higher education community.

OFFICIAL RESULTS

**SEPTEMBER
2026**

Prepare early. Submit Confidently. Lead Sustainably.

Partner with Us

Support global sustainability through UI GreenMetric and strengthen your organization's commitment to responsible development.

Why Sponsor UI GreenMetric?



Gain access to a global academic network of 1,745 participating universities across 105 countries.



Enhance brand visibility through international exposure across UI GreenMetric platforms and activities.



Build strategic relationships with universities, sustainability leaders, and relevant stakeholders worldwide.



Demonstrate tangible alignment with sustainability values and the Sustainable Development Goals (SDGs).

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Platinum**Gold****Silver****Bronze**

We invite you to partner with UI GreenMetric to support sustainability leadership in higher education and contribute to long-term, measurable impact.

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ภาคผนวก ข รายละเอียดการกรอกข้อมูลในระบบ



University Profile

Username : sru.ac.th
 University Name : Suratthani Rajabhat University
 University Leader : President : Assist. Prof. Dr Wattana Rattanaprom

PIC Profile

PIC Name : Premjit Thipmanee
 PIC Position : Head of International Affairs Office
 Email : premjit.thi@sru.ac.th

Submitted Date : 01 January 1970 (GMT +7)

Setting and Infrastructure

Question		Answer
1.1()	Type of higher education institution	[1] Comprehensive
1.2()	Climate	[2] Tropical Wet and Dry
1.3()	Number of campus site	2
1.4()	Campus setting	[3] Urban
1.5()	Total campus area (m ²)	1006989
1.6()	Total campus ground floor area of buildings (m ²)	135174
1.7()	Total campus buildings area (m ²)	295422
1.8(SI.1)	The ratio of open space area to total area	[3] > 80 - 90%
1.9(SI.2)	Total area on campus covered in forest vegetation used for research, teaching, and/or community engagement	[3] > 10 - 25%: 17 m²
1.10(SI.3)	Total area on campus covered in planted vegetation (please provide total area in square meters)	[3] > 20 - 30%: 26 m²
1.11(SI.4)	Total area on campus for water absorption besides forest and planted vegetation (please provide total area in square meters)	[5] > 40%: 42 m²
1.12()	Total number of regular students (part time and full time)	14657
1.13()	Total number of online students (part time and full time)	0
1.14()	Total number of academic and administrative staff	835
1.15(SI.5)	The total open space area divided by total campus population.	[4] > 40 – 70 m² / person
1.16()	Total university's budget (in US Dollars)	28661169
1.17()	University's budget for sustainability effort (in US Dollars)	23884307
1.18(SI.6)	Percentage of University's budget for sustainability effort	[5] > 15%
1.19(SI.7)	Campus facilities for disabled, special needs, and/or maternity care	[5] Facilities exist in all buildings and are fully operated
1.20(SI.8)	Security and safety facilities	[5] Security and safety infrastructure available and fully functioning and security responding time for accidents, crime, fire, and natural disasters is less than 5 minutes
1.21(SI.9)	Health infrastructure facilities for students,	[5] Health infrastructure available (first aid,

	academics, and administrative staff's well-being	emergency room, clinic, hospital and certified personnel), system and accessible for public
1.22(SI.10)	Conservation: plant (flora), animal (fauna), or wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities	[5] Conservation program >75% implemented
1.23(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)	[4] Program has been implemented and evaluated
1.24()	Impact of Setting and Infrastructure programs in supporting the Sustainable Development Goals (SDGs).	[3] Significant impact (supporting 6–9 SDGs)
Energy and Climate Change		
Question		Answer
2.1(EC.1)	Energy efficient appliances usage	[4] > 50 - 75%
2.2()	Total campus smart building area (m ²)	23858
2.3(EC.2)	Smart Building implementation (percentage of the total floor area of smart building to the total all floors building area (smart and non-smart buildings area).	[2] 1% - 25%
2.4(EC.3)	Number of renewable energy sources in campus (solar power, bio diesel, wind power, etc)	[2] 1 source
2.5()	Renewable energy sources and their amount of the energy produced (in kilowatt-hour)	[1] Not Applicable
2.6()	Electricity usage per year (in kilo watt hour)	7634675
2.7(EC.4)	The total electricity usage divided by total campus population (kWh per person).	[4] >= 250 - 600 kWh
2.8(EC.5)	The ratio of renewable energy production divided by total energy usage per year	[1] <= 0.5%
2.9(EC.6)	Elements of green building implementation as reflected in all buildings	[5] > 3 elements
2.10(EC.7)	Greenhouse gas emission reduction program	[5] Program(s) aims to reduce all three scopes emissions (Scope 1, 2 and 3)
2.11()	Total carbon footprint (CO2 emission in the last 12 months, in metric tons)	6739
2.12(EC.8)	The total carbon footprint divided by total campus population (metric tons per person).	[3] > 0.42 - 1.11 metric tons
2.13(EC.9)	The number of innovative program(s) in Energy and Climate Change	[4] 3 programs.
2.14(EC.10)	Impactful university program(s) on climate change	[4] Provide training, educational materials, seminars/conferences, and activities which are implemented by communities at the national level
2.15(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)	[1] None
2.16()	Impact of Energy and Climate Change programs in supporting the Sustainable	[3] Significant impact (supporting 6–9 SDGs)

Development Goals (SDGs).		
Waste		
Question		Answer
3.1(W.S.1)	3R (Reduce, Reuse, Recycle) program for university's waste	[5] 3R program > 75% implemented
3.2()	Total volume of paper and plastic produced this year	0
3.3()	Total volume of paper and plastic produced last year	0
3.4(W.S.2)	Program to reduce the use of paper and plastic on campus	[3] 4 - 6 programs
3.5()	Total volume organic waste produced this year	0
3.6()	Total volume organic waste produced last year	0
3.7()	Total volume organic waste treated this year	0
3.8(W.S.3)	Organic waste treatment	[5] Extensive (> 85% treated)
3.9()	Total volume inorganic waste produced this year	0
3.10()	Total volume inorganic waste produced last year	0
3.11()	Total volume inorganic waste treated this year	0
3.12(W.S.4)	Inorganic waste treatment	[5] Extensive (> 85% treated)
3.13()	Total volume toxic waste produced this year	0
3.14()	Total volume toxic waste produced last year	0
3.15()	Total volume toxic waste treated this year	0
3.16(W.S.5)	Toxic waste treatment	[5] Extensive (> 85% treated) or campus produces a minimum amount of toxic waste
3.17(W.S.6)	Sewage disposal	[4] Treated with secondary treatment
3.18(W.S.7)	Planning, implementation, monitoring and/or evaluation of all programs related to Waste Management through the utilization of Information and Communication Technology (ICT)	[1] None
3.19()	Impact of Waste Management programs in supporting the Sustainable Development Goals (SDGs).	[2] Moderate impact (supporting 3–5 SDGs)
Water		
Question		Answer
4.1(WR.1)	Water conservation program and implementation	[4] > 25 - 50% water conserved
4.2(WR.2)	Water recycling program implementation	[4] > 25 - 50% water recycled
4.3(WR.3)	Water efficient appliance usage	[2] 20 - 40% of water efficient appliances installed
4.4(WR.4)	Consumption of treated water	[2] 1% - 25% treated water consumed
4.5(WR.5)	Water pollution control in campus area	[1] Policy and programs for water pollution control are in the designing stage
4.6(WR.6)	Planning, implementation, monitoring and/or evaluation of all programs related to Water Management through the utilization of	[1] None

	Information and Communication Technology (ICT)	
4.7()	Impact of Water Management programs in supporting the Sustainable Development Goals (SDGs).	[2] Moderate impact (supporting 3–5 SDGs)

Transportation

Question		Answer
5.1()	Number of cars actively used and managed by University	15
5.2()	Number of cars entering the university daily	900
5.3()	Number of motorcycles entering the university daily	5000
5.4(TR.1)	The total number of vehicles (cars and motorcycles with combustion engines) divided by the total campus population	[3] > 0.125 - 0.5
5.5(TR.2)	Shuttle service	[5] Provided by university, regular, and zero emission vehicle. Or shuttle use is not applicable
5.6()	Number of shuttles operated in your university	11
5.7()	Average number of passengers of each shuttle	15
5.8()	Total trips of shuttle services each day	10
5.9(TR.3)	Zero Emission Vehicles (ZEV) policy on campus	[5] Zero Emission Vehicles are available, and provided by university for free
5.10()	Average number of Zero Emission Vehicles (e.g. bicycles, cano, snowboard, electric car, etc.) on campus per day	300
5.11(TR.4)	The total number of Zero Emission Vehicles (ZEV) divided by total campus population.	[4] > 0.008 - 0.02
5.12()	Total ground parking area (m ²)	138057
5.13(TR.5)	Ratio of parking area to total campus area.	[1] > 11%
5.14(TR.6)	Program to limit or decrease the parking area on campus for the last 3 years	[4] Between 10% - 30% decrease
5.15(TR.7)	Number of initiatives to decrease private vehicles on campus	[4] 3 initiatives
5.16(TR.8)	Pedestrian path on campus	[5] Pedestrian paths are available, designed for safety, convenience, and in some parts provided with disabled-friendly features
5.17()	Approximate daily travel distance of a vehicle inside campus only (in Kilometers)	50
5.18(TR.9)	Planning, implementation, monitoring and/or evaluation of all programs related to Transportation through the utilization of Information and Communication Technology (ICT)	[4] Program has been implemented and evaluated
5.19()	Impact of Transportation programs in supporting the Sustainable Development Goals (SDGs).	[2] Moderate impact (supporting 3–5 SDGs)

Education and Research

Question		Answer
6.1()	Number of courses/subjects related to sustainability offered	29

6.2()	Total number of courses/subjects offered	55
6.3()	Total number of study program related to sustainability offered	29
6.4(ED.1)	The ratio of sustainability courses to total courses/subjects	[5] > 20%
6.5()	Total research funds dedicated to sustainability research (in US Dollars) (average per annum over the last 3 years).	119043
6.6()	Total research funds (in US Dollars) (average per annum over the last 3 years).	1939070
6.7(ED.2)	The ratio of sustainability research funding to total research funding	[2] > 1 - 10%
6.8()	Number of lecturers and researchers on campus in one year period	0
6.9()	Number of scholarly publications on sustainability in one year period	77
6.10(ED.3)	Ratio of scholarly publications on sustainability to lecturers and researchers on campus in one year period	[1] < 0.5
6.11(ED.4)	Number of events related to sustainability. (average annually for the past 3 years)	[5] > 50 events: 229 m²
6.12(ED.5)	Number of activities organized by student organizations related to sustainability per year	[2] 1 - 5 activities : 1 m²
6.13(ED.6)	University-run sustainability website	[5] Website is available, accessible, and updated regularly
6.14()	Sustainability website address (URL) if available	https://sdg.sru.ac.th/
6.15(ED.7)	Sustainability report	[5] Sustainability report is accessible and published annually
6.16()	Sustainability report link address (URL) if available	https://sustain.sru.ac.th/report/
6.17(ED.8)	Number of cultural activities on campus	[5] More than 10 events per year: 41 m²
6.18(ED.9)	Number of university program(s) with international collaborations	[2] 1 - 3 programs per year: 1 m²
6.19(ED.10)	Number of community services related to sustainability organized by university and involving students	[1] None
6.20(ED.11)	Number of sustainability-related startups	[1] None
6.21()	Total number of graduates with green jobs (for the last 3 years)	0
6.22()	Total number of graduates (for the last 3 years)	0
6.23(ED.12)	Percentage of number of graduates with green jobs (for the last 3 years)	[1] ? 1%
6.24(ED.13)	Availability of units or offices that coordinate or are related to sustainability	[3] Unit(s) or office(s) with university leader decree of establishment, structure and duties at early stage
6.25(ED.14)	Planning, implementation, monitoring and/or evaluation of university governance through the utilization of Information and Communication Technology (ICT)	[4] Program has been implemented and evaluated
6.26()	Impact of Education and Research programs in supporting the Sustainable	[2] Moderate impact (supporting 3–5 SDGs)

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Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

[1.3] Number of Campus Sites

		Suratthani Campus (Main) (Suratthani Rajabhat University, Thailand)
		Koh Samui Campus (Suratthani Rajabhat University, Thailand)

Description:

Suratthani Rajabhat University (SRU) first began in 1973 as Suratthani Teachers College. In 1992 the college's mandate was expanded and His Majesty King Bhumibol changed the name to Suratthani Rajabhat Institute. Over the next few years, the institute advanced rapidly and in 2004 met the requirements needed to become a fully accredited university. Our Campuses located on Thailand's east coast about 700 kilometres south of Bangkok, Suratthani Rajabhat University has two campuses within the province of Surat Thani.

- Surat Thani Main Campus

Located about 15 kilometres outside the provincial capital, the main campus is the main administrative centre and home to the university's eight faculties: Education, Humanities & Social Sciences, Management Science, Science and Technology, Nursing, Law, International School of Tourism, and Graduate School. The university aims to be a model institute for learning that creatively supports sustainable local community, based on the philosophy of sufficiency economy.

- Koh Samui Campus

The University has established Koh Samui Interdisciplinary School on the island of Koh Samui, a modern learning center focused on innovation, enhancing graduates' academic and professional capabilities, and developing local personnel with necessary knowledge and skills. It offers two bachelor degree programs - Hotel Management and Cruise Business, and Thai and International Culinary Arts - as well as six short certificate courses, all emphasizing an efficient management system to improve academic development and integrate interdisciplinary learning. The Koh Samui Interdisciplinary College is designated as a collaborative institute to produce graduates and enhance human resource competencies through interdisciplinary knowledge alongside research activities, academic services, cultural preservation, and quality resource management.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

[1.4] Campus Setting



SRU Main Campus Setting - Urban (Suratthani Rajabhat University, Thailand)

Description:

Surat Thani Main Campus is in a urban area, where Located about 15 kilometres outside the provincial capital, the main campus is the main administrative centre and home to the university's nine faculties: Education, Humanities & Social Sciences, Management Science, Science and Technology, Nursing, Law, International School of Tourism, Graduate School and Koh Samui Interdisciplinary School. Most of students based at Surat Thani Main Campus, except the students who study programs of Hotel Management and Cruise Business, and Thai and International Culinary Arts based at Koh Samui Campus. The numerous facilities are available at the main campus which including; library, swimming pool, tennis courts, petanque courts, fitness and other exercise facilities.

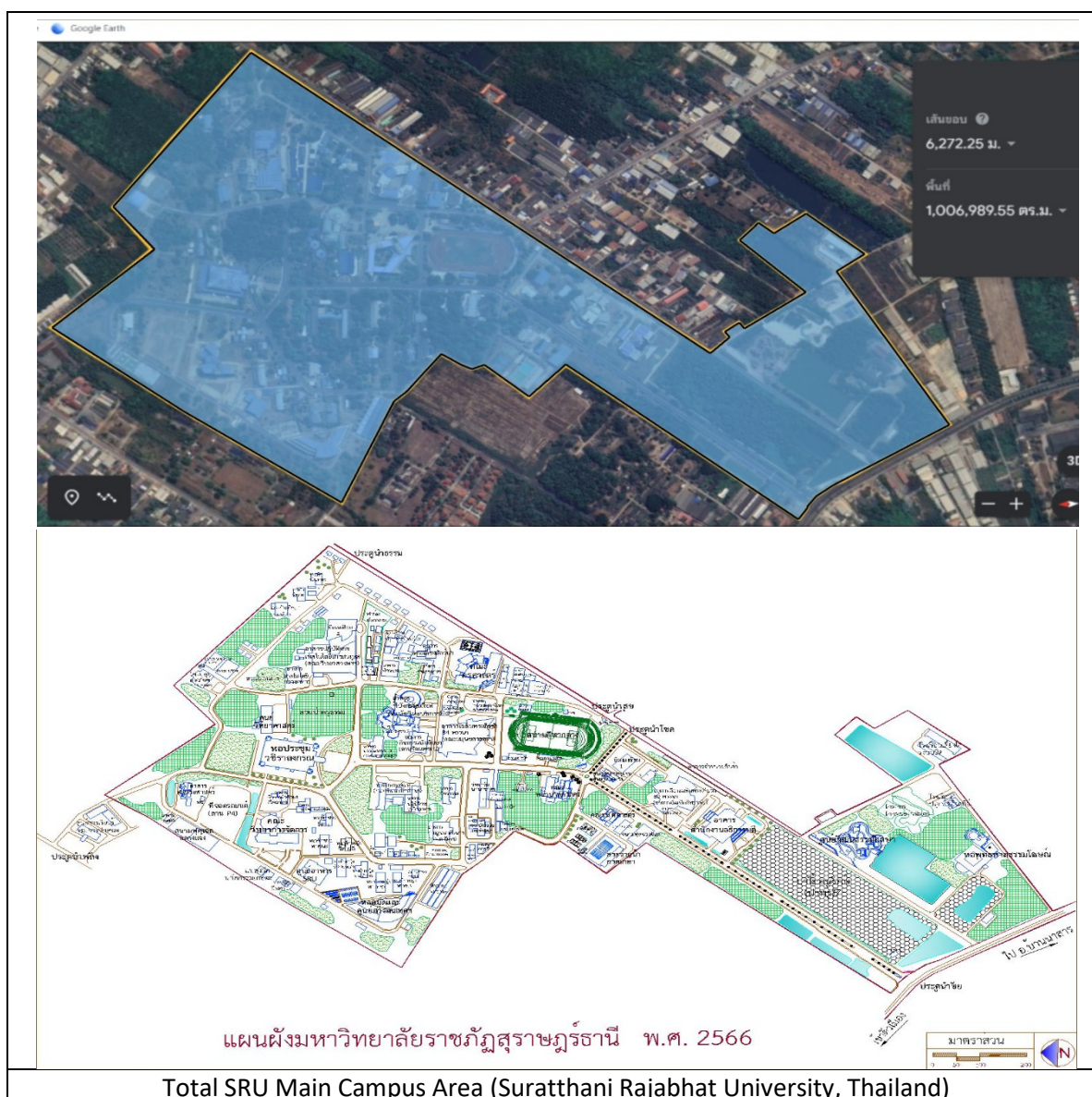


Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

[1.5] Total Campus Area (meter²)



Description:

Total SRU Main Campus Area: 1,006,989.55 meter²

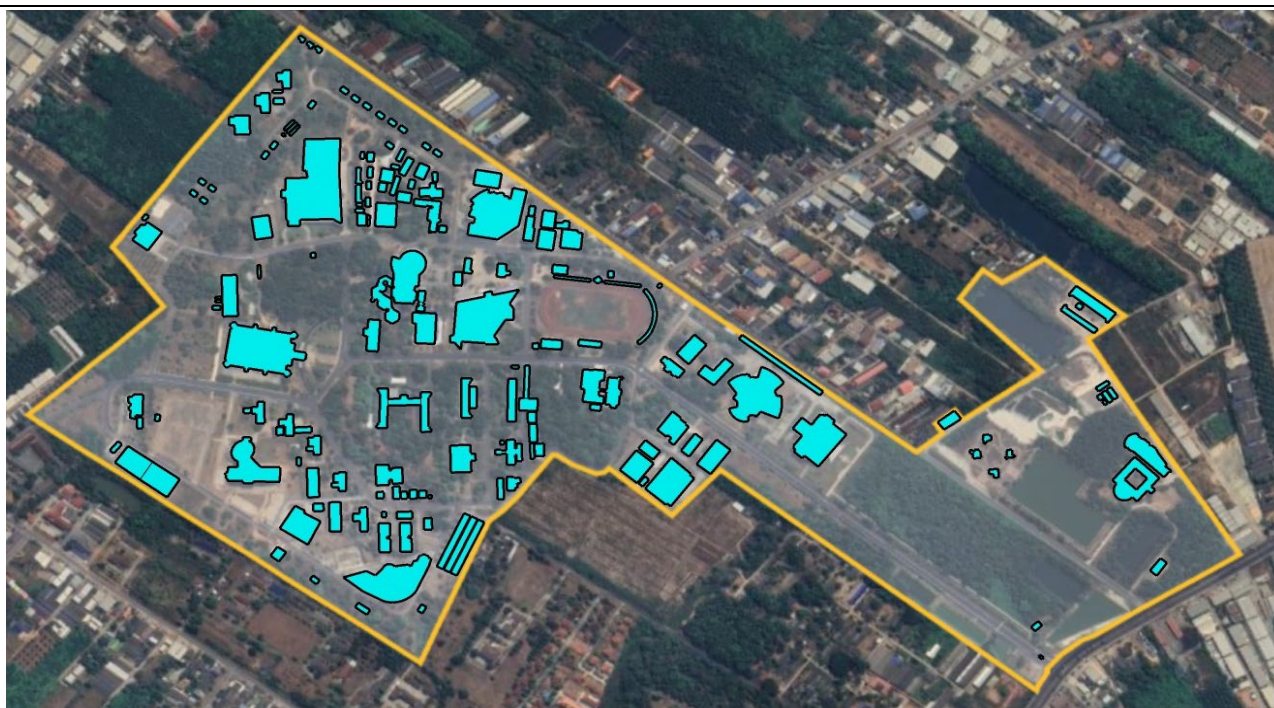


Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

[1.7] Total campus buildings area (meter²)



Total campus buildings area (Suratthani Rajabhat University, Thailand)

Description:

Total campus buildings area: 295,422 m²



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

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



Total open space area (Suratthani Rajabhat University, Thailand)

Description:

Total SRU Main Campus Area: 1,006,989.55 m²

Total campus ground floor area of buildings: 135,174 m²

Total open space area: 871,815.55 m²

Ratio of open space towards total area: $((1,006,989.55 - 135,174) / 1,006,989.55) \times 100 = 86.60\%$



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

[1.9] Total Area on Campus Covered in Forest Vegetation (meter²)



Total Forest Vegetation Area (Suratthani Rajabhat University, Thailand)

Description:

Total forest vegetation area: 176,732 m²

Total area: 1,006,989.55 m²

Percentage area = $(176,732 / 1,006,989.55) \times 100 = 17.60\%$



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

[1.10] Total area on campus covered in planted vegetation (meter²)



Total Planted Vegetation Area (Suratthani Rajabhat University, Thailand)

Description:

Total planted vegetation area: 264,392 m²

Total area: 1,006,989.55 m²

Percentage area = $(264,392 / 1,006,989.55) \times 100 = 26.30\%$

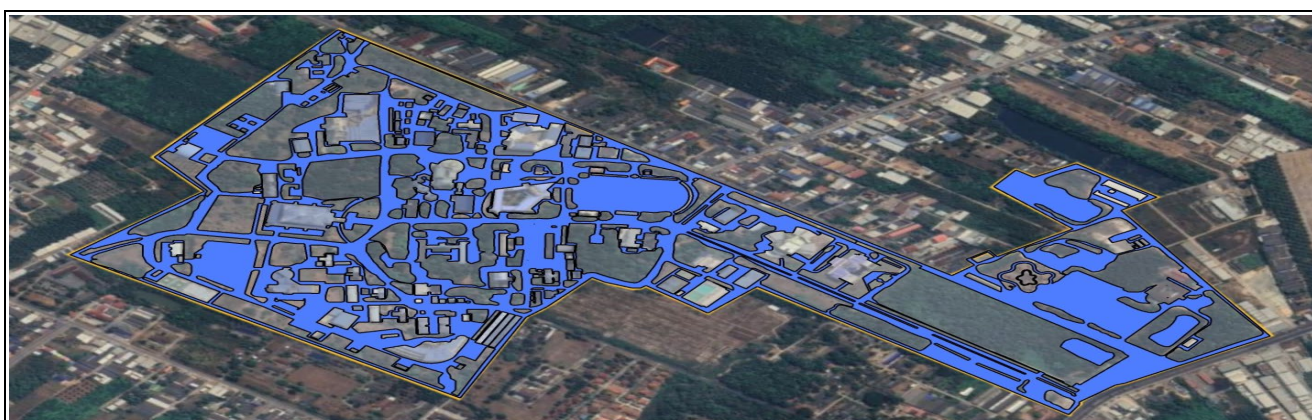


Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

[1.11] Total area on campus for water absorption besides the forest and planted vegetation (meter²)



Total area on campus for water absorption besides the forest and planted vegetation
(Suratthani Rajabhat University, Thailand)

Description:

Total **water absorption** area: 430,691.55 m²

Total area: 1,006,989.55 m²

Percentage area = $(430,691.55 / 1,006,989.55) \times 100 = 42.80\%$



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

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

	2023	2024	2025	Average
Budget Total	\$ 26,054,058.20	\$29,102,046.88	\$28,661,169.93	\$27,939,091.67
Sustainability Budget	\$ 23,087,835.61	\$25,945,520.41	\$23,884,307.50	\$24,305,887.84
			Percentage	86.99 %

Description:

The average percentage SRU university budget for sustainability effort is 86.99%



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

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

	
Disabled parking	Disabled path
 	
Accessible toilet	Disabled path
	
SRU Community Health Center	
Total campus facilities for disabled, special needs and or maternity care (Suratthani Rajabhat University, Thailand)	



Description:

1. Disabled Parking: The campus offers dedicated parking spaces for people with disabilities, located near the entrances of key buildings to provide convenient access. These parking areas are clearly marked with signage and are wider than standard spaces to accommodate mobility aids such as wheelchairs and ramps. The location ensures that individuals with mobility challenges can navigate from their vehicles to building entrances with minimal difficulty, promoting independence and accessibility.

2. Accessible Toilets: Each campus building includes accessible restrooms designed specifically for people with disabilities. These restrooms feature wider doors to accommodate wheelchairs, grab bars for stability, lower sinks and hand dryers, and emergency pull cords for assistance in case of need. The facilities are strategically placed to ensure that no individual has to travel far to find a fully accessible restroom, ensuring dignity and comfort for all users.

3. Accessible Pathways: Every building on campus is equipped with accessible paths and ramps for individuals with disabilities. These pathways include ramps with proper slopes, tactile paving for individuals with visual impairments, and automated doors at key entrances. The design ensures that individuals using wheelchairs, walkers, or other mobility aids can move easily between buildings without barriers, fostering an inclusive environment for all students, staff, and visitors.

4. SRU Community Health Center: The on-campus Community Health Center serves as a hub for health services, offering medical care, wellness programs, and mental health support. The center is fully accessible to people with disabilities, with features such as wheelchair-friendly entrances, adjustable medical equipment, and staff trained to assist individuals with various needs. The center provides services such as regular health check-ups, vaccinations, counseling, and rehabilitation programs, ensuring that all members of the campus and local community have access to high-quality healthcare in a convenient location.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

[1.20] Security and safety facilities

	
Fire Extinguisher	Rescue Service
	
CCTV	
Total Security and safety facilities (Suratthani Rajabhat University, Thailand)	

Description:

1. Fire Extinguishers in All Buildings: Every building on campus is equipped with strategically placed fire extinguishers to ensure the safety of students, staff, and visitors. These extinguishers are regularly inspected and maintained to meet safety standards, and clear signage indicates their locations throughout each building. In addition to providing fire safety training, the university ensures that fire extinguishers are easily accessible in hallways, classrooms, laboratories, and other key areas to allow for immediate action in case of an emergency.



2. Rescue Services: The campus has a dedicated rescue service team that is trained to respond quickly to emergencies, including accidents, medical situations, and fire incidents. The team is equipped with first-aid supplies, emergency response vehicles, and communication tools to coordinate with local emergency services as needed. This service provides rapid assistance to individuals in need, ensuring the safety and well-being of the campus community in critical situations. The team is available 24/7 to handle any incidents that may arise.

3. CCTV in All Buildings and Along the Main Road: To enhance security and safety, the campus is equipped with a comprehensive CCTV system that monitors all buildings and main roadways. The cameras are strategically placed to cover entrances, hallways, common areas, and parking lots, ensuring thorough surveillance of campus activities. This system helps deter crime, identify potential security threats, and assists in investigations if incidents occur. The footage is monitored by trained security personnel, who are on duty around the clock to ensure a safe and secure environment for everyone on campus.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

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



SRU Community Health Center



Rescue Service

SRU Community Health Center (Suratthani Rajabhat University, Thailand)

Description:

Suratthani Rajabhat University provides comprehensive Health Services and Rescue Services for students, faculty members, administrative staff, and the surrounding community, ensuring the well-being and safety of all who engage with the university.



Health Services:

The university's Community Health Center is a well-equipped facility that offers a wide range of medical services designed to meet the needs of students, academic staff, and the general public. The center provides routine health check-ups, vaccinations, first-aid treatment, and preventive healthcare programs. Staffed by trained healthcare professionals, including nurses and visiting physicians, the center operates on a walk-in basis and by appointment for non-urgent care.

Specialized services include:

Mental health support: Counseling services and mental health resources are available for those seeking guidance and emotional support. These services are confidential and provided by licensed counselors and psychologists.

Health education programs: Workshops, seminars, and health promotion activities are regularly conducted to raise awareness about issues such as nutrition, physical fitness, mental health, and disease prevention. These programs aim to empower both the campus and local communities with knowledge to lead healthier lifestyles.

Additionally, SRU Community Health Center is fully accessible, equipped to assist individuals with disabilities by providing wheelchair-friendly facilities and personalized care.

Rescue Services:

The university's Rescue Service team operates 24/7 to respond to emergency situations, offering immediate assistance for accidents, medical emergencies, and other critical incidents on campus and in nearby communities. The rescue team is trained in first aid, CPR, fire safety, and evacuation protocols, ensuring that they are well-prepared to handle various emergency situations efficiently.

Key features of the Rescue Service include:

Rapid response vehicles: Equipped with first-aid kits, medical supplies, and rescue tools, these vehicles allow the team to reach incidents quickly, providing life-saving care while waiting for external emergency services, if necessary. **Coordination with local emergency services:** The rescue team works closely with local hospitals, fire departments, and police to ensure seamless communication and coordination during emergencies, enabling faster response times and more effective solutions.

Campus-wide emergency drills: Regular drills and training sessions are held to ensure that students, staff, and rescue team members are prepared for various scenarios such as fires, medical crises, and natural disasters. These exercises are designed to improve response times and enhance safety protocols.

Community Outreach: Beyond serving the university population, these health and rescue services are available to the surrounding community, reflecting the university's commitment to public welfare. SRU Community Health Center offers consultations and basic medical care to local residents, while the Rescue Service is ready to assist in nearby emergencies, such as traffic accidents or fires, extending its safety net beyond the campus. Through this outreach, Suratthani Rajabhat University strengthens its role as a vital resource for health and safety in the broader community.

By providing these essential services, Suratthani Rajabhat University not only prioritizes the physical and mental well-being of its students, faculty, and staff but also plays a crucial role in enhancing the safety and health standards of the local community. These efforts foster a secure and supportive environment that promotes overall wellness and preparedness for emergencies.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

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



Plant and Animal Conservation Area in Campus



Animal Farming

Conservation: plant, animal, and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities (Suratthani Rajabhat University, Thailand)



Description:

Plant and Animal Conservation Area in Campus

Suratthani Rajabhat University is committed to promoting biodiversity and environmental sustainability through its **Plant and Animal Conservation Area**. This dedicated area serves as a living laboratory where the preservation of local ecosystems is prioritized, benefiting not only academic research but also the local community's understanding of conservation practices.

1. Plant Conservation: The university's conservation area is home to a variety of native and rare plant species, serving as a sanctuary for flora that may be endangered or under threat due to urbanization and climate change. This green space includes:

- **Botanical Gardens:** Featuring a wide range of local plants, including trees, shrubs, herbs, and medicinal plants native to southern Thailand. These gardens not only provide a habitat for plant species but also serve as an educational space for students studying botany, ecology, and environmental science.
- **Endangered and Rare Species Nursery:** A special section of the conservation area is dedicated to the propagation and protection of endangered plant species. By creating a controlled environment where these plants can thrive, the university actively contributes to the preservation of regional biodiversity.
- **Reforestation Initiatives:** The conservation area also supports reforestation efforts, where students and staff are involved in planting native tree species to restore degraded ecosystems. These efforts help combat deforestation and promote carbon sequestration, making the campus a model of sustainability.

Educational programs and hands-on learning activities take place in the conservation area, where students can engage in plant taxonomy, ecological surveys, and horticulture practices. The space also invites the community to learn about plant conservation and the importance of maintaining local biodiversity.

2. Animal Conservation: The animal conservation component of the area is designed to protect local species and provide a sanctuary where these animals can live in a friendly environment. The focus is on:

- **Native Species Preservation:** The area includes habitats for various native animals, such as farm animal, small mammals, aquatic animal, and birds that are indigenous to southern Thailand. Efforts are made to create environments that mimic their natural ecosystems, allowing the species to thrive in a safe, controlled setting.
- **Bird Sanctuaries:** The conservation area also includes natural nesting sites for local and migratory bird species. Bird-watching areas are installed to encourage students and visitors to observe these species without disturbing their natural behavior.
- **Educational and Research Opportunities:** Students and researchers have the opportunity to study animal behavior, conservation methods, and ecosystem dynamics within the protected space. This fosters a deeper understanding of the intricate relationships between species and their habitats, as well as the importance of conservation work.

The plant and animal conservation area not only preserves natural resources but also integrates educational, research, and community outreach efforts, making it a vital asset for both environmental sustainability and academic growth.

Animal Farming at Suratthani Rajabhat University

Suratthani Rajabhat University also plays a significant role in promoting sustainable agriculture and responsible animal farming practices through its Animal Farming program, which is an integral part of the campus's agricultural education and research efforts.



Sustainable Animal Farming: The university operates small-scale, sustainable animal farms designed to teach students the principles of modern farming while emphasizing environmental responsibility and animal welfare. The farming areas focus on:

Livestock Management: The university farms house various types of livestock, such as poultry, goats, rabbits, and pigs, raised in line with sustainable practices that minimize environmental impact. Livestock are kept in spacious enclosures that mimic natural living conditions, ensuring their well-being and reducing stress on the animals.

Eco-Friendly Practices: The farms implement eco-friendly methods, such as organic feed production, waste recycling, and composting, which reduce the carbon footprint of farming activities. Students learn about the principles of sustainable farming, including rotational grazing, organic feed, and integrated pest management, which ensure long-term viability of the farm and reduced environmental harm.

Animal Health and Welfare: Veterinary care is provided to ensure that all animals are healthy and cared for, with a focus on maintaining humane treatment and ethical farming practices. Students are involved in regular health check-ups, vaccinations, and the care of animals, allowing them to gain practical skills in animal husbandry and veterinary science.

Agricultural Research and Education: The animal farming facilities also function as research and learning hubs where students can study:

Animal Breeding: Students and researchers engage in studies related to animal breeding, focusing on improving livestock quality, productivity, and resilience to environmental changes. These studies aim to develop sustainable practices for increasing food production while protecting animal health.

Hands-On Training: Students pursuing degrees in agriculture, veterinary science, or environmental studies gain hands-on experience in all aspects of animal farming, including feeding, egg collection, and animal care routines. They also learn about farm management and the economic aspects of running a sustainable farm.

Community Engagement and Outreach: The university's animal farming program is also an outreach platform, offering workshops and training sessions to local farmers and community members. The aim is to disseminate knowledge about sustainable and humane animal farming practices, enabling local farmers to adopt methods that promote productivity while reducing negative environmental impacts. By acting as a model for sustainable agriculture, Suratthani Rajabhat University contributes to the region's agricultural development and food security.

Through its **Plant and Animal Conservation Area** and **Animal Farming program**, Suratthani Rajabhat University demonstrates a strong commitment to environmental sustainability, biodiversity preservation, and responsible agricultural practices. These initiatives not only support academic research and education but also benefit the wider community by promoting conservation and sustainable farming methods.



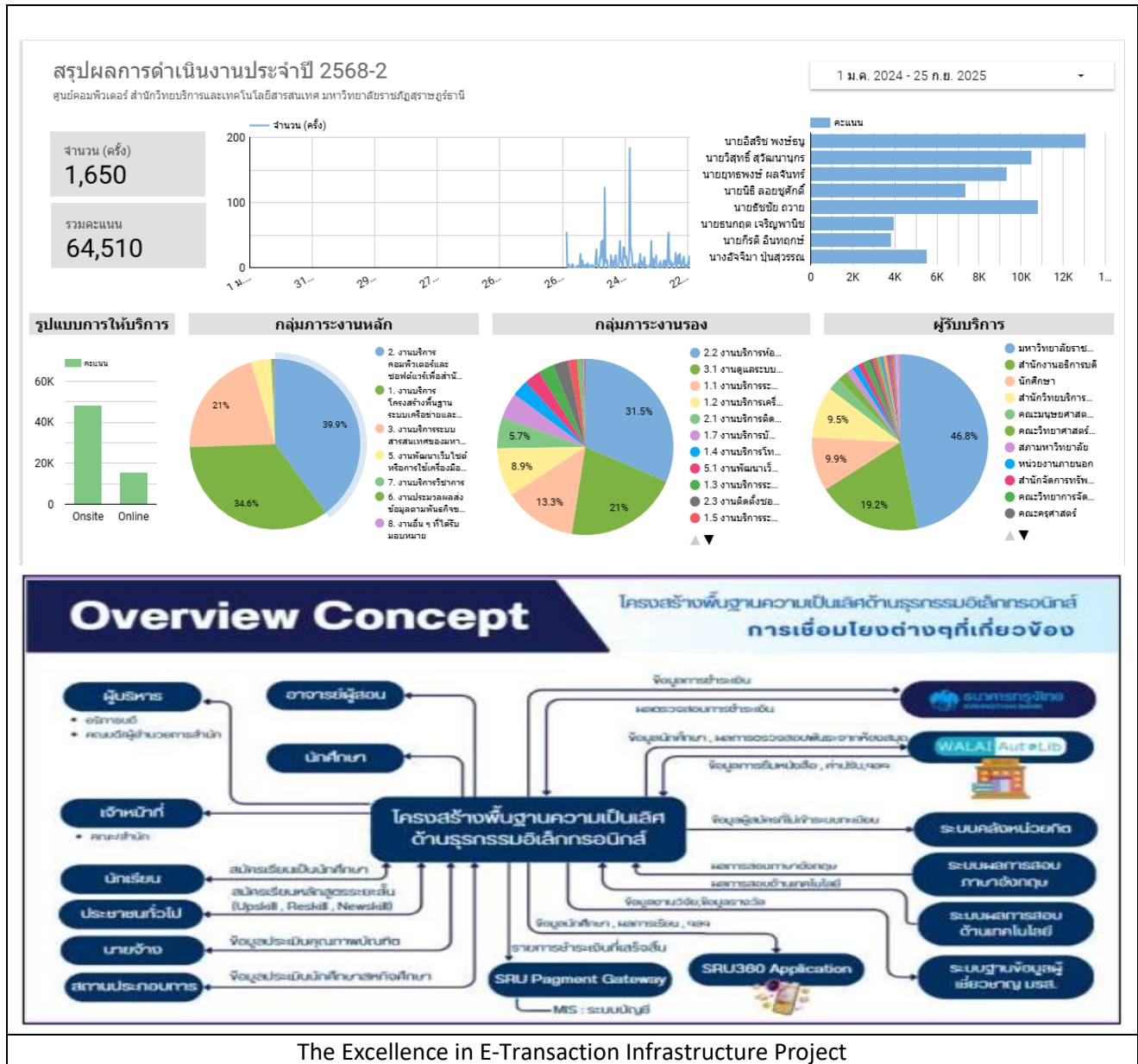
Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

[1.23] Planning, implementation, monitoring and/or evaluation of all programs related to Setting and Infrastructure through the utilization of Information and Communication Technology (ICT)

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Design and analysis of the <i>Excellence in E-Transaction Infrastructure Project</i>	System analysis and digital design tools for 15 integrated information systems	Project proposals, system analysis reports, meeting notes	2022 – 2023	Computer Center, ICT Planning Committee
Implementation	Development and integration of 15 core information systems (e.g., student registration, payment, curriculum evaluation, alumni, lifelong learning)	Online platforms, database systems, electronic approval workflows, integrated service portals	System manuals, screenshots, purchase orders, implementation reports	2023 – 2024	Computer Center, Academic & Admin Units
Monitoring	Continuous system audits and user access reviews across all digital services	Monitoring software, log analysis, data dashboards, real-time tracking	Audit reports, usage statistics, system performance metrics	2024 – ongoing	Computer Center, Internal Audit, QA Office
Evaluation	Assessment of efficiency, transparency, and service satisfaction after integration	Online surveys, feedback tools, digital data collection for decision support	Survey summaries, evaluation reports, performance indicators, user feedback	Annual (from 2024)	Computer Center, Research & Development Inst



Description:

(Please describe planning, implementation, monitoring and/or evaluation of all programs related to Setting and Infrastructure through the utilization of Information and Communication Technology (ICT). You can describe more related items if needed.)

Planning

Suratthani Rajabhat University launched the *Excellence in E-Transaction Infrastructure Project* with a strong emphasis on digital transformation. The Computer Center conducted system analysis and digital design to establish an integrated framework. The objectives were to streamline university operations, reduce duplication, minimize paperwork and human error, and promote transparency through standardized approval and audit mechanisms.



Implementation

The project developed and integrated 15 core information systems covering academic, administrative, and student services. These include online student admission, registration, electronic payment, curriculum and course registration, academic records, advisor evaluation, credit transfer, online course and study plan evaluation, class scheduling, student activities, scholarships, special talents, alumni, and short-term/lifelong learning programmes. All systems are interconnected to provide seamless, efficient, and accessible digital services for students, faculty, staff, and the public.

Monitoring

Continuous digital audits, system usage tracking, and real-time performance dashboards ensure that each system functions reliably and efficiently. Monitoring activities also include user access reviews and data validation to guarantee transparency and accountability.

Evaluation

Annual evaluations are conducted through online surveys, feedback tools, and performance assessments to measure efficiency, transparency, and user satisfaction. Data gathered from these evaluations supports evidence-based decision-making and continuous system improvement.

This comprehensive ICT infrastructure aligns with the university's **Digital Transformation Policy**, supports sustainable online learning and service delivery, and strengthens transparent governance.

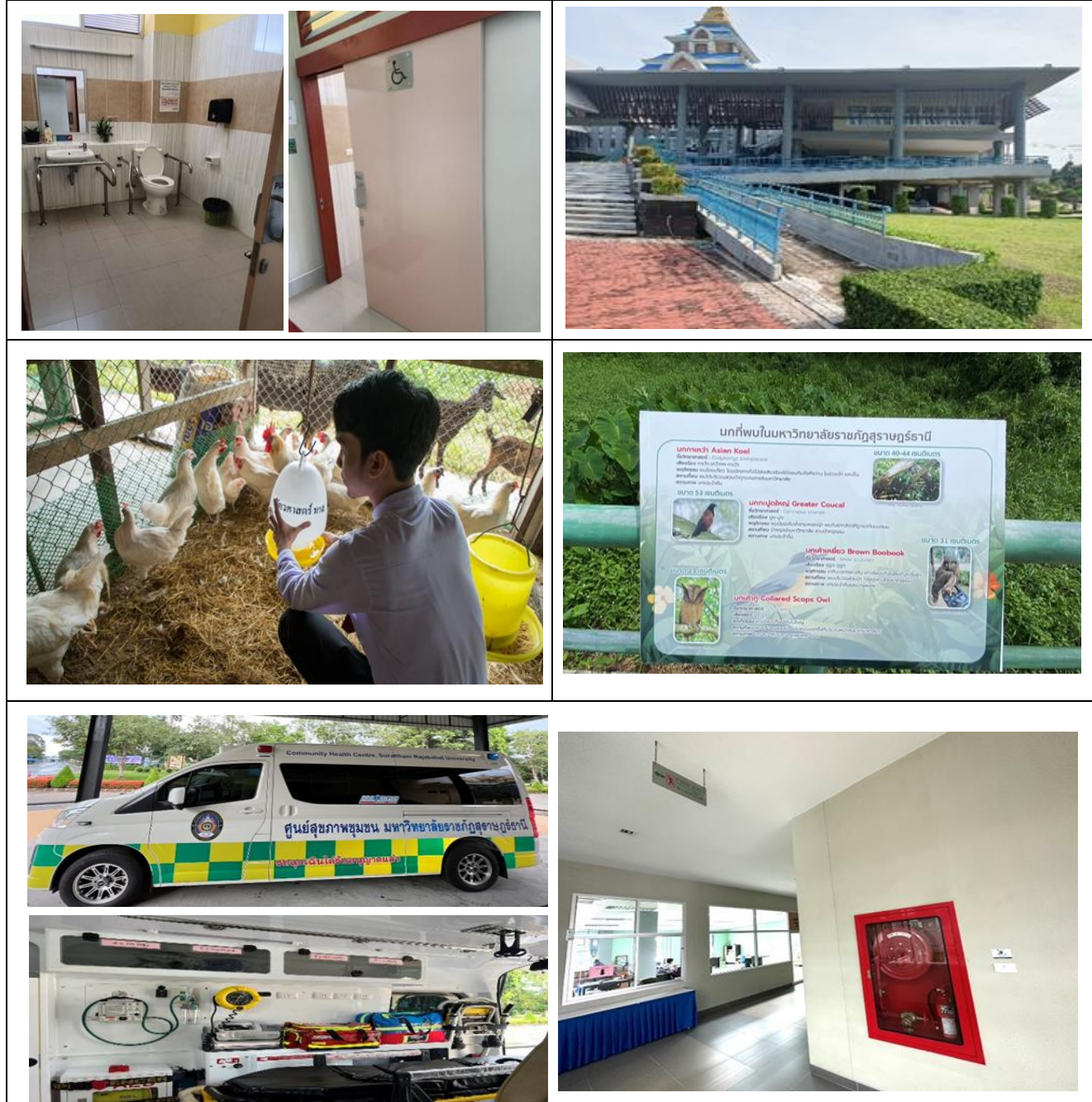


Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[1] Setting and Infrastructure (SI)

[1.24] Impact of Setting and Infrastructure programs in supporting the Sustainable Development Goals (SDGs)



(Suratthani Rajabhat University, Thailand)

**Description:**

(Please describe Impact of Setting and Infrastructure programs in supporting the Sustainable Development Goals. You can describe more related items if needed.)

The Setting and Infrastructure (SI) programs at Suratthani Rajabhat University (SRU), Thailand, demonstrate a strong commitment to supporting the Sustainable Development Goals (SDGs) by focusing on health, accessibility, safety, and environmental conservation.

- **Health and Well-being (SDG 3) & Public Safety (SDG 11)**

SRU's health and safety infrastructure directly supports SDG 3 (Good Health and Well-being) and SDG 11 (Sustainable Cities and Communities) by providing essential services to the campus and local communities.

- **Comprehensive Health Services:** The SRU Community Health Center is a well-equipped facility offering routine health check-ups, vaccinations, first-aid treatment, and preventive healthcare programs. It is staffed by trained healthcare professionals, including nurses and visiting physicians.
- **Mental Health Support:** The SRU Community Health Center provides confidential counseling services and mental health resources from licensed counselors and psychologists.
- **Emergency Response:** A dedicated Rescue Service operates 24hrs. to respond quickly to medical and accident emergencies, fire incidents, and other critical situations on and near campus. The team uses rapid response vehicles equipped with life-saving supplies and coordinates closely with local emergency services.
- **Campus Security:** Security is enhanced through comprehensive safety measures, including CCTV surveillance in all buildings and along main roads, monitored by security personnel around the clock, and the strategic placement and regular maintenance of Fire Extinguishers.

- **Reduced Inequalities and Accessibility (SDG 10)**

The university actively promotes SDG 10 (Reduced Inequalities) by ensuring an inclusive and accessible campus environment for individuals with disabilities or special needs.

- **Physical Accessibility:** Key buildings feature dedicated Disabled Parking spaces near entrances, Accessible Toilets with wider doors, grab bars, and lower sinks, and a network of Accessible Pathways and ramps.
- **Inclusion Features:** Accessible pathways incorporate ramps with proper slopes and tactile paving for visually impaired individuals.
- **Accessible Healthcare:** The SRU Community Health Center is fully accessible, featuring wheelchair-friendly entrances, adjustable medical equipment, and staff trained to assist various needs.

- **Conservation and Sustainable Practices (SDG 15, SDG 2 & SDG 4)**

SRU's programs dedicated to environmental preservation and agriculture support SDG 15 (Life on Land), SDG 2 (Zero Hunger), and SDG 4 (Quality Education).

- **Biodiversity Conservation:** The Plant and Animal Conservation Area acts as a living laboratory prioritizing the preservation of local ecosystems. This includes:
 - **Plant Conservation:** Botanical Gardens featuring organic plants and Reforestation Initiatives to restore degraded ecosystems.
 - **Animal Conservation:** Habitats for animal, including farm animals, small mammals, and Bird Sanctuaries for local and migratory species.
 - **Sustainable Agriculture:** The Animal Farming program promotes responsible, small-scale farming as an integral part of agricultural education.



- Education and Research: The facilities serve as research and learning hubs, offering students hands-on training in livestock management, animal breeding, and ethical farming practices.
- Community Outreach: The university disseminates knowledge about sustainable and humane animal farming practices to local farmers through workshops and training sessions, contributing to regional agricultural development and food security.

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

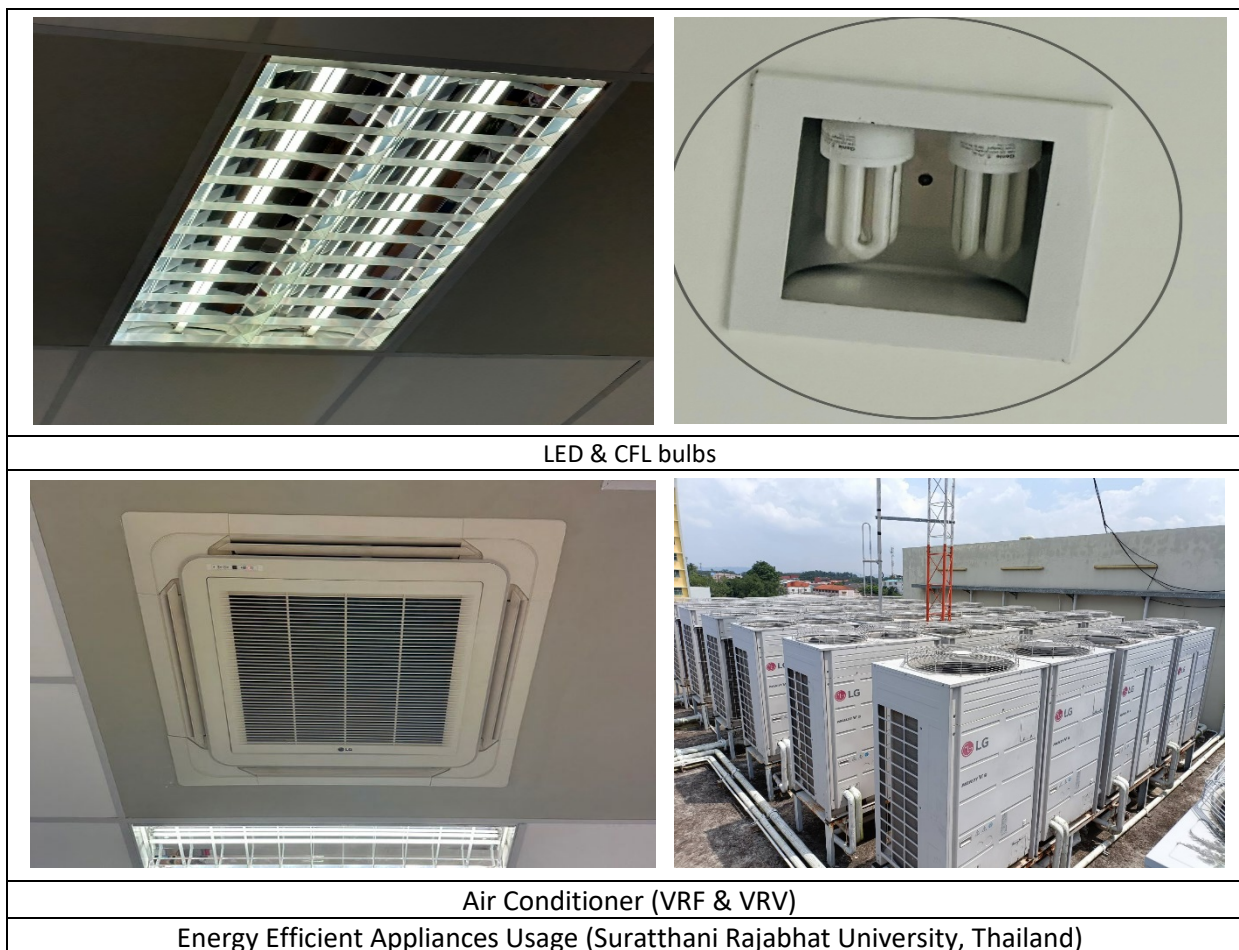


Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[2] Energy and Climate Change (EC)

[2.1] Energy Efficient Appliances Usage



LED & CFL bulbs

Air Conditioner (VRF & VRV)

Energy Efficient Appliances Usage (Suratthani Rajabhat University, Thailand)

Description:

Appliance	Total Number	Total number energy Efficient appliances	Percentage
LED bulbs	23,328	23,328	100%
Air Conditioner (VRF & VRV)	850	379	44.59%
		Average Percentage	72.30%

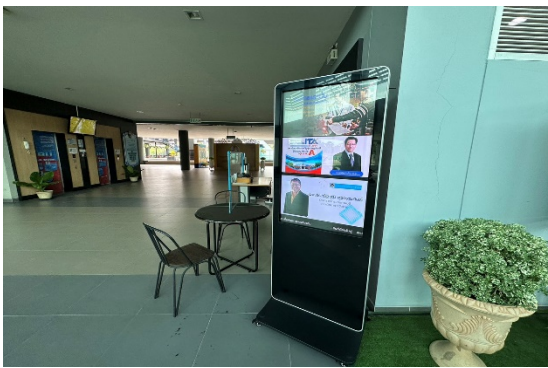


Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[2] Energy and Climate Change (EC)

[2.3] Smart Building Implementation

	
President Building	
	
Smart Classrooms	
Smart Building Implementation (Suratthani Rajabhat University, Thailand)	

Description:

Smart building implementation

$$\frac{\text{total smart building area}}{\text{total building area}} \times 100\%$$

*Total Building Area: 295,422 m²

$$\frac{23,858 \text{ m}^2}{295,422 \text{ m}^2} \times 100\% = 8\%$$

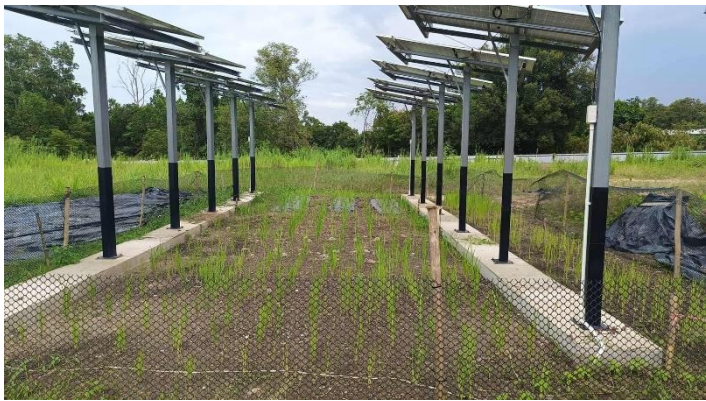


Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[2] Energy and Climate Change (EC)

[2.5] Renewable Energy Sources in Campus

	
Example of street lights with solar panels (Suratthani Rajabhat University, Thailand)	Example of a vegetable growing combined with a solar cell system (Agrivoltaic Farming) (Suratthani Rajabhat University, Thailand)

Description:

1. Street lights with solar panels are installed.

Solar-powered street lights are an energy-efficient solution designed to illuminate public pathways, streets, and parks with minimal environmental impact. Each street light is equipped with a solar panel that captures sunlight during the day, converting it into electrical energy and storing it in a rechargeable battery. At dusk, the stored energy powers LED lights, which provide reliable and bright illumination through the night. These solar street lights operate autonomously, automatically turning on and off based on the ambient light levels with built-in sensors. They eliminate the need for traditional grid connections, reducing installation costs, and offer long-term operational savings. This solution supports a sustainable urban infrastructure by reducing electricity consumption, lowering carbon footprints, and enhancing public safety, especially in areas without easy access to grid power.

2. A vegetable growing combined with a solar cell system (Agrivoltaic Farming)

Agrivoltaic farming involves the dual use of land for agricultural crop production and solar energy generation, combining traditional vegetable cultivation with solar panel installations. In this setup, solar panels are strategically positioned above the vegetable crops at an elevation that allows sunlight to reach the plants while also capturing solar energy. This system can provide partial shading, which may improve the growth environment for some vegetables by reducing the intensity of direct sunlight and mitigating water loss through evaporation. The solar panels, in turn, generate electricity that can be used on-site for irrigation pumps, or other farm equipment, thus reducing energy costs and dependency on external power sources. The integration of solar panels in farming fields offers a sustainable approach that maximizes land use, decreases carbon emissions, and promotes eco-friendly agricultural practices.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[2] Energy and Climate Change (EC)

[2.6] Electricity Usage per Year (in Kilowatt hour)

๖.๓.๒) ข้อมูลปริมาณการใช้ไฟฟ้าในรอบปี ๒๕๖๗

ตารางที่ ๖.๔ ข้อมูลการใช้ไฟฟ้าในรอบปี ๒๕๖๗

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หมายเหตุ :
กรณีอัตรา ปกติ ให้กรอกค่าพลังงานไฟฟ้าสูงสุด (On Peak) ในข้อ P
กรณีอัตรา TOD: P หมายถึง On Peak / PP หมายถึง Partial Peak / OP หมายถึง Off Peak
กรณีอัตรา TOU: P หมายถึง Peak / OP_๑ หมายถึง Off Peak_๑ / OP_๒ หมายถึง Off Peak_๒
กรณีอาคารมีเครื่องวัดไฟฟ้ามากกว่า ๑ เครื่อง ให้เพิ่มจำนวนตารางแสดงข้อมูลการใช้ไฟฟ้าตามจำนวนของเครื่องวัดไฟฟ้า
ค่าตัวประกอบภาระ (เปอร์เซ็นต์) = $\frac{\text{ปริมาณพลังงานไฟฟ้า (กิโลวัตต์-ชั่วโมง)} \times ๑๐๐}{\text{ค่าพลังไฟฟ้าสูงสุด (กิโลวัตต์)} \times ๒๔ (\text{ชม./วัน}) \times \text{จำนวนวันในแต่ละเดือน (วัน)}}$
Power Factor (PF) = $\frac{\text{ค่าพลังไฟฟ้าสูงสุด (กิโลวัตต์)}}{\sqrt{(\text{KWh})^2 + (\text{KVARh})^2}}$

Electricity Usage Year 2024 (in Kilowatt hour) (Suratthani Rajabhat University, Thailand)

Description:

Total electricity usage year 2024 = 7,634,675.33 kWh



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[2] Energy and Climate Change (EC)

[2.9] Elements of Green Building Implementation as Reflected in All Construction and Renovation Policies



Green Building Implementation (Suratthani Rajabhat University, Thailand)

Description:

- Natural daylighting are installed in the buildings.
- Tinted windows are used in all new building construction and in renovated buildings.
- Natural ventilation is installed in the buildings.
- Roof insulation are installed in all new buildings construction and in renovated buildings.

1. Natural Daylighting Installed in the Buildings

Suratthani Rajabhat University prioritizes energy efficiency and sustainability by incorporating natural daylighting into the design of its buildings. Natural daylighting involves the strategic placement of windows, skylights, and light wells to maximize the use of natural sunlight, reducing the need for artificial lighting during daytime hours. This approach not only conserves energy but also creates healthier and more productive environments for students, staff, and visitors.



- **Design and Placement:** Large windows, clerestories, and skylights are installed in common areas such as classrooms, libraries, offices, and corridors to allow for optimal sunlight penetration. The positioning of these elements is carefully planned to capture sunlight throughout the day while minimizing glare, ensuring that spaces are well-lit without the need for excessive artificial lighting.
- **Health and Well-Being:** Exposure to natural light is linked to improved mood, productivity, and well-being. The integration of natural daylighting creates bright, welcoming spaces that foster a positive learning and working atmosphere.

2. Tinted Windows in New and Renovated Buildings

To further enhance energy efficiency and occupant comfort, tinted windows are installed in all new building constructions and renovated facilities. These windows are treated with a specialized coating that reduces the amount of heat and UV radiation entering the building while still allowing natural light to pass through.

- **Energy Savings:** Tinted windows significantly reduce the heat load inside buildings by blocking a substantial portion of solar radiation. This lowers the need for air conditioning, especially in Surat Thani's tropical climate. As a result, buildings are more energy-efficient, aligning with the university's green building initiatives.
- **UV Protection:** The tinting also filters out harmful UV rays, protecting furniture, flooring, and equipment from fading or damage. Additionally, it protects the health of building occupants by reducing prolonged exposure to UV radiation, which can contribute to skin-related health issues.
- **Comfort and Glare Reduction:** Tinted windows help minimize glare, making it easier for students and staff to work or study comfortably in spaces with abundant natural light. This creates a more conducive environment for learning, reducing eye strain and discomfort caused by harsh sunlight.

3. Natural Ventilation Installed in the Buildings

In keeping with sustainable building practices, Suratthani Rajabhat University has integrated natural ventilation systems into its building designs. This method uses strategically placed windows, vents, and open architectural layouts to enhance airflow, reducing the need for mechanical ventilation and air conditioning.

- **Passive Cooling:** Natural ventilation allows fresh air to circulate through buildings, promoting passive cooling. This system relies on wind patterns and differences in temperature between indoor and outdoor spaces to naturally ventilate rooms. Openable windows, louvers, and vents at strategic locations allow hot air to escape while drawing in cooler air, ensuring a constant flow of fresh air without the need for energy-intensive fans or air conditioning.
- **Air Quality and Comfort:** By improving airflow, natural ventilation helps to maintain healthier indoor air quality. This contributes to a healthier learning and working environment, enhancing comfort and well-being for students, faculty, and staff.
- **Sustainability:** Natural ventilation systems are a key component of the university's commitment to reducing its environmental impact.

4. Roof Insulation in New and Renovated Buildings

To enhance thermal efficiency and energy conservation, roof insulation is installed in all new building constructions and renovations at Suratthani Rajabhat University. Roof insulation acts as a barrier to heat flow, helping to maintain a stable indoor temperature by minimizing the transfer of heat between the interior of the building and the external environment.

- **Energy Efficiency and Climate Control:** Insulated roofs reduce the amount of heat entering a building during hot weather and prevent heat loss during cooler periods. In Surat Thani's warm climate, this helps to significantly lower the need for air conditioning, especially during peak heat hours, contributing to substantial energy savings.



- **Sustainable Construction:** By incorporating high-quality, environmentally friendly insulation materials, the university promotes sustainable building practices. The materials used for insulation are often sourced from recycled products, further reducing the environmental impact of construction.
- **Acoustic Benefits:** Besides thermal regulation, roof insulation also provides acoustic benefits by reducing noise from rain, wind, and external sources. This makes indoor spaces quieter and more conducive to learning and productivity, particularly in lecture halls, study areas, and offices.

Overall Impact

These sustainability measures—natural daylighting, tinted windows, natural ventilation, and roof insulation—work together to create energy-efficient, environmentally friendly buildings at Suratthani Rajabhat University. The integration of these features not only lowers the university's carbon footprint but also enhances the comfort, health, and well-being of all building occupants. The university is setting a benchmark in sustainable campus development, ensuring that its facilities are aligned with global green building standards while contributing to the long-term goal of environmental sustainability.

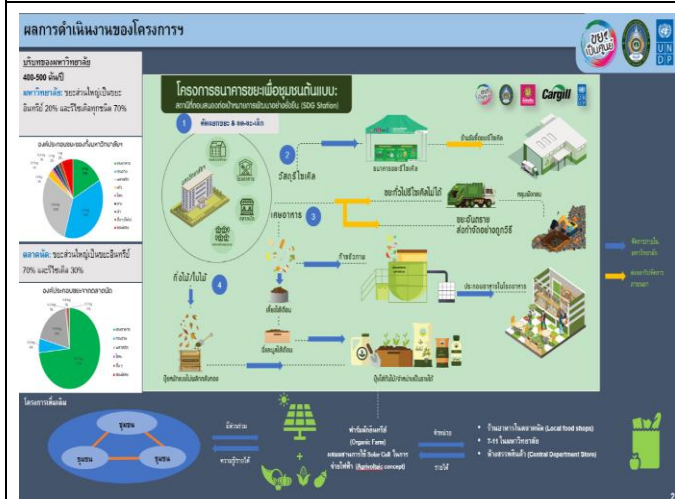


Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[2] Energy and Climate Change (EC)

[2.10] Greenhouse gas emission reduction program



Greenhouse gas emission reduction program (Suratthani Rajabhat University, Thailand)



Description:

1. Planting a Hundred Trees Program

Suratthani Rajabhat University's **Planting a Hundred Trees Program** is a key environmental initiative aimed at enhancing biodiversity, combating climate change, and creating a greener, more sustainable campus. This program involves planting hundreds of trees annually across the university grounds, with the goal of promoting environmental stewardship and encouraging community participation.

- **Environmental Impact:** The program significantly contributes to reducing the university's carbon footprint. Trees absorb carbon dioxide from the atmosphere, helping to mitigate the effects of climate change. By planting native tree species, the program also aids in restoring natural ecosystems and promoting biodiversity on campus. The trees provide habitat for local wildlife, such as birds, insects, and small mammals, contributing to the preservation of the region's natural heritage.
- **Campus Greening:** Beyond their environmental benefits, the newly planted trees help to beautify the campus, creating shaded areas that enhance the comfort and aesthetics of the university grounds. These green spaces are enjoyed by students, faculty, staff, and visitors, offering natural places for recreation, relaxation, and study.
- **Community Engagement:** The program involves students, staff, and local community members in tree-planting activities, fostering a sense of collective responsibility for the environment. Educational workshops on tree care, conservation, and the benefits of reforestation are also held, inspiring participants to continue environmental conservation efforts in their own lives.
- **Long-Term Sustainability:** By planting trees that are carefully selected for their ability to thrive in the local climate, the university ensures that these trees will provide long-term environmental and aesthetic benefits for decades to come. The program is part of the university's broader commitment to sustainability, making the campus a model for green initiatives in the region.

2. Using Renewable Energy for Electricity to Reduce Purchased Electricity

Suratthani Rajabhat University is committed to reducing its reliance on non-renewable energy sources by investing in **renewable energy technologies** to generate electricity on campus. The use of renewable energy, such as solar power, plays a crucial role in decreasing the university's energy costs and reducing its environmental impact.

- **Solar Energy Systems:** Solar panels are installed on the main roads of the university. These panels capture sunlight and convert it into electricity, significantly reducing the amount of power the university needs to purchase from external suppliers. Solar energy is abundant and clean, making it an ideal solution for lowering greenhouse gas emissions associated with conventional electricity generation.
- **Energy Savings:** By generating its own renewable electricity, the university lowers its energy bills and reduces its dependence on electricity. The savings from reduced electricity purchases are reinvested in other sustainability projects and educational programs, creating a cycle of environmental and economic benefits for the institution.
- **Sustainability Education:** The use of renewable energy on campus also serves as a teaching tool for students. Through hands-on learning opportunities, students can study how renewable energy systems work, and analyze the environmental benefits of shifting to clean energy. These experiences prepare students to contribute to the development of sustainable energy solutions in the future.
- **Environmental Impact:** The renewable energy initiative aligns with the university's commitment to reducing its carbon footprint. The university is helping to lower greenhouse gas emissions and minimize air pollution, which benefits both the local and global environment.



3. Zero Waste Program

The **Zero Waste Program** at Suratthani Rajabhat University is a comprehensive initiative designed to minimize waste generation and promote responsible consumption and recycling practices on campus. The program's ultimate goal is to divert as much waste as possible from landfills, moving toward a circular economy where resources are reused and recycled instead of being discarded.

- **Waste Reduction:** The program emphasizes reducing waste at its source by encouraging the campus community to adopt more sustainable behaviors, such as using reusable containers, reducing paper consumption, and avoiding single-use plastics. The university promotes digital alternatives to paper-based processes, such as online submissions for assignments, electronic communications, and digital document management, further reducing paper waste.
- **Recycling and Composting:** Comprehensive recycling stations are placed throughout the campus to collect paper, plastic, glass, and metal waste. The university also implements a composting system for organic waste generated from campus cafeteria facilities, landscaping, and agricultural programs. Food scraps and plant trimmings are composted to produce nutrient-rich soil, which is then used in campus gardens and tree-planting programs.
- **Education and Engagement:** The Zero Waste Program includes educational campaigns to raise awareness about the importance of waste reduction, recycling, and responsible resource management. Workshops, seminars, and student-led projects on waste reduction strategies are regularly conducted. These activities engage students, staff, and faculty in hands-on learning about how to minimize their environmental impact through everyday actions.
- **Circular Economy Practices:** The program also supports initiatives to repurpose waste materials into new products. For example, old furniture, electronic equipment, and other items are refurbished and reused rather than discarded. In the long term, the Zero Waste Program helps the university transition to a circular economy model, where materials are kept in use for as long as possible, creating sustainable resource loops and reducing environmental degradation.

4. Shuttle Bus to Reduce Vehicles on Campus

The university's **Shuttle Bus Program** is designed to reduce traffic congestion, lower carbon emissions, and promote sustainable transportation on campus. By providing an efficient and convenient shuttle service, Suratthani Rajabhat University encourages students, staff, and visitors to opt for public transport instead of driving private vehicles.

- **Environmental Benefits:** The shuttle buses help reduce the number of private vehicles on campus, which in turn lowers carbon emissions and reduces the campus's overall environmental impact. With fewer cars and motorcycles on the roads, the university can significantly decrease air pollution and greenhouse gas emissions, contributing to a cleaner and healthier campus environment.
- **Convenient and Accessible:** The shuttle buses operate on a frequent schedule, providing transportation between key areas of the campus, including academic buildings, dormitories, parking lots, and cafeteria. The service is free or low-cost for students and staff, making it an affordable and convenient alternative to driving. The shuttle routes are designed to ensure that all parts of the campus are easily accessible, helping to reduce the need for short car trips.
- **Traffic Reduction and Safety:** By reducing the number of vehicles on campus, the shuttle bus program helps alleviate traffic congestion and improves road safety for pedestrians and cyclists. The reduced traffic also allows for better pedestrian movement, making it easier and safer for students to walk or bike between buildings without navigating heavy traffic.



- **Support for Sustainable Transportation:** The shuttle bus program is part of the university's broader effort to promote sustainable transportation options. In addition to the shuttle buses, the university encourages the use of bicycles, walking paths, and carpooling to further reduce reliance on single-occupancy vehicles. The shuttle bus program also supports the university's goal of reducing parking demand on campus, freeing up valuable space for green areas and sustainable development projects.

Through these initiatives—planting trees, using renewable energy, reducing waste, and promoting sustainable transportation—Suratthani Rajabhat University demonstrates its commitment to sustainability and environmental stewardship, creating a model for eco-friendly campus practices. These efforts not only contribute to the well-being of the campus community but also position the university as a leader in promoting sustainability in the region.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[2] Energy and Climate Change (EC)

[2.11] Please Provide The Total Carbon Footprint (CO₂ emission in the last 12 months, in metric tons)

The sum of CO₂ emission in the last 12 months

CO₂ (electricity)

$$\begin{aligned} &= \frac{\text{electricity usage per year (kWh)}}{1000} \times 0,84 \\ &= \frac{7634675 \text{ kWh}}{1000} \times 0,84 \\ &= 6413.127 \text{ metric tons} \end{aligned}$$

CO₂ (bus)

$$\begin{aligned} &= \frac{\text{number of shuttle bus in your university} \times \text{total trips for shuttle bus service each day} \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,01 \\ &= \frac{3 \times 2 \times 2 \times 240}{100} \times 0,01 \\ &= 0.29 \text{ metric tons} \end{aligned}$$

CO₂ (cars)

$$\begin{aligned} &= \frac{\text{number of cars entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,02 \\ &= \frac{900 \times 2 \times 1 \times 240}{100} \times 0,02 \\ &= 86.4 \text{ metric tons} \end{aligned}$$

CO₂ (motorcycle)

$$\begin{aligned} &= \frac{\text{number of motorcycle entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,01 \\ &= \frac{5,000 \times 2 \times 1 \times 240}{100} \times 0,01 \\ &= 240 \text{ metric tons} \end{aligned}$$

CO₂ (total)

$$\begin{aligned} &= 6413.127 + 0.29 + 86.4 + 240 \\ &= 6739.817 \text{ metric tons} \end{aligned}$$

Carbon footprint in 2024 = 6739 metric tons

Total Carbon Footprint (Suratthani Rajabhat University)

Description:

Suratthani Rajabhat University total carbon footprint for the previous 12 months was 6739 metric tons.

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



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[2] Energy and Climate Change (EC)

[2.13] Number of innovative program(s) in energy and climate change



Description:

(Please describe innovative program(s) on your campus. The following is an example of the description. You can describe more related items if needed.)

Agrivoltaic farming integrates vegetable cultivation with solar energy generation, maximizing land use by combining crop production with solar panel installations. In this system, solar panels are positioned above the vegetable crops at an elevation that allows adequate sunlight for plant growth while also capturing solar energy. The panels provide partial shading, which can improve growing conditions for certain vegetables by moderating direct sunlight and reducing water loss through evaporation.

The electricity generated by these solar panels' powers essential farm operations, such as water pumps for irrigation and LED lighting for organic vegetable plots, which reduces energy costs and reliance on external power sources. By leveraging environmental data—such as air temperature, humidity, wind speed and direction, rainfall, light intensity, and daylight hours—agrivoltaic systems enable precise control of growing conditions. Through an IoT-based agricultural management system, farmers can optimize these variables to create ideal environments for organic crop production, supporting sustainable farming practices, reducing unnecessary expenses, and enhancing profitability.

This integrated approach not only promotes eco-friendly agriculture but also contributes to carbon reduction, making it a viable solution for sustainable food production and energy generation.



The project of Development of a Machine to Add Value to Waste Residues from Coconut Oil Production (Suratthani Rajabhat University, Thailand) <https://sdg.sru.ac.th/2024/160737/>

The successful project, “Development of a Machine to Add Value to Waste Residues from Coconut Oil Production” under the Prototype Machine Creation Project through Value-Creation Engineering Processes, is a crucial collaborative effort. This initiative was jointly conducted by Suratthani Rajabhat University (SRU), specifically its Interdisciplinary College, Koh Samui Campus, in partnership with the Office of the Permanent Secretary, Ministry of Higher Education, Science, Research and Innovation (OPS-MHESI) and the National Metal and Materials Technology Center (MTEC) under the National Science and Technology Development Agency (NSTDA).

Project Background and Key Objectives

MHESI's Core Policy: To conduct research and innovation under the concept: "Good Research and Innovation, Responding Directly to Needs". The focus is on key national issues such as Go Green, Sustainability, Carbon Neutrality, Clean Energy, Bio-Economy, Creative Economy, and Artificial Intelligence (AI) technology.

Operating Principle: Emphasis is placed on the principle of "Private Sector Leads, Government Supports", allowing entrepreneurs to define the direction of the problems and needs.

Problem Origin: The project stemmed from a proposal by entrepreneurs in the Koh Samui area who faced significant issues with waste residues from coconut oil production (such as coconut shells and husks). This waste caused environmental problems and visual pollution.

Role of SRU (Interdisciplinary College, Koh Samui Campus): As the local operating unit, SRU worked with OPS-MHESI and MTEC to develop the machine and transfer the knowledge to solve the problem for local entrepreneurs. (Additional information indicates SRU collected data and served as the venue for the press conference announcing the success).

Innovation Success and Impact

The Machine: Developed to process discarded coconut husks (waste residue).

Products: The coconut husks can be processed into a wood substitute material in the form of serving trays for snacks, creating a unique product for Koh Samui.

Impact:

- Environmental Problem Solving: Reduces the cost of waste disposal and minimizes pollution.
- Value Creation: Transforms waste residue into new products, stimulating the economy.
- Precise Problem-Solving: Effectively utilizes knowledge, research, and innovation to address a real-world local problem.



GO GO...Bike



Suratthani Rajabhat University Launches “GO GO Bike” to Go Green <https://sdg.sru.ac.th/2024/163787/>

Suratthani Rajabhat University (SRU), through its Asset Management Office, in collaboration with Go Go Transten Co., Ltd., officially launched the “GO GO Bike” electric bicycle service. This partnership falls under the commitment to implement innovative transportation within the university campus to promote the use of clean energy, reduce pollution, and drive the university towards becoming a “Green University” in line with Sustainable Development goals.

Key Features and Objectives

Main Goal: To provide a convenient, fast, safe, environmentally friendly, and accessible transportation alternative for commuting within the university.

Benefits: The GO GO Bike is a comfortable new travel option that helps reduce reliance on fossil fuels, promotes user health, and fosters environmental awareness, reaffirming the university’s role as a leader in sustainability.

How to Use: Starting to use GO GO Bike is easy and quick via a dedicated application or registration channel.

GO GO Bike is ready to be a part of creating a university that is modern, safe, and environmentally friendly for all students and staff.

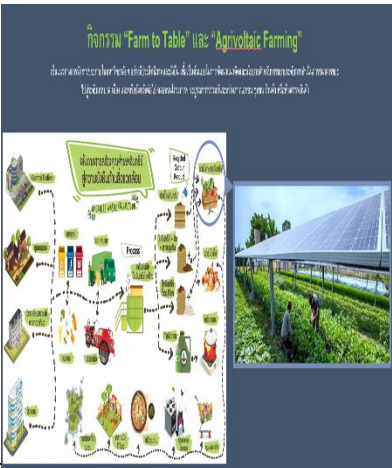


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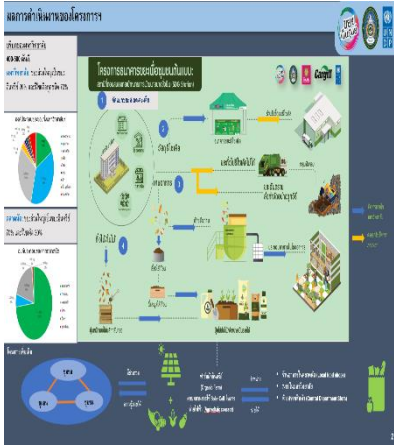
University : Suratthani Rajabhat University
Country : Thailand
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[2] Energy and Climate Change (EC)

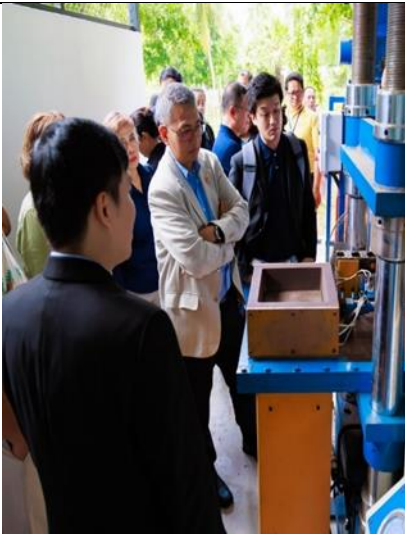
[2.14] Impactful university program(s) on climate change

No	Programs	Scope (international / regional / national / local / etc)	Total Participants	Photo	URL	Short Description
1	Farm to Table and Agrivoltaic Farming Program	regional	...		https://sdg.sru.ac.th/?p=142404	The university uses its "Farm to Table" and "Agrivoltaic Farming" initiatives as a model for establishing concepts and policies for expanding waste bank operations to the municipal, city, and provincial levels. These initiatives provide proposals for effective and sustainable waste management inside the institution. Additionally, the project will integrate the public and private sectors as well as businesses and department stores. In order to collaborate with Chulalongkorn University on the Bio Digester machine and find



No	Programs	Scope (international / regional / national / local / etc)	Total Participants	Photo	URL	Short Description
						ways to address the waste problem on Koh Samui campus, Suratthani Rajabhat University has been implementing the Zero Waste Station and Farm to Table projects continuously. The university has also shared the results of its waste management work with the WWF Foundation and Municipal Agencies.
2	Zero Waste Program	National	...		https://research.sru.ac.th/2023/06/08/pr-model/	Through the collaboration of Suratthani Rajabhat University and UNDP Thailand, organic waste is transformed into compost for use in vegetable plots and biogas for use in cafeteria cooking. This process fosters learning and grows into a model for generating energy alongside food sources and advancing sustainability policies for edibles (food trucks).
3	IST Drives Net Zero Carbon Tourism in Khao Sok Program	local			https://sdg.sru.ac.th/2025/165835/	The International College of Tourism (IST) at Suratthani Rajabhat University (SRU) is moving forward to promote sustainable tourism. Asst. Prof. Dr. Yoksomun Jaeheng of IST, together with Dr. Netnapa Ruangpanuphun from the Natural Resources and Environment Department, Faculty of Science and Technology, visited the area to provide knowledge and



No	Programs	Scope (international / regional / national / local / etc)	Total Participants	Photo	URL	Short Description
						understanding on calculating Carbon Footprint (Greenhouse Gas Emissions) to five pilot accommodations in the Khao Sok area, Suratthani Province, who wish to participate in the Carbon Neutrality Promotion Project.
4	The project of Development of a Machine to Add Value to Waste Residues from Coconut Oil Production	National	...		https://sdg.sru.ac.th/2024/160737/	Project Background and Key Objectives MHESI's Core Policy: To conduct research and innovation under the concept: "Good Research and Innovation, Responding Directly to Needs". The focus is on key national issues such as Go Green, Sustainability, Carbon Neutrality, Clean Energy, Bio-Economy, Creative Economy, and Artificial Intelligence (AI) technology. Operating Principle: Emphasis is placed on the principle of "Private Sector Leads, Government Supports", allowing entrepreneurs to define the direction of the problems and needs. Problem Origin: The project stemmed from a proposal by entrepreneurs in the Koh Samui area who faced significant issues with waste residues from coconut oil production (such as coconut shells and husks). This waste caused environmental problems and visual pollution. Role of SRU (Interdisciplinary College, Koh Samui Campus): As the local operating unit, SRU worked with OPS-MHESI and MTEC to develop the machine and transfer the knowledge to solve the problem for local entrepreneurs.



No	Programs	Scope (international / regional / national / local / etc)	Total Participants	Photo	URL	Short Description
						(Additional information indicates SRU collected data and served as the venue for the press conference announcing the success). Innovation Success and Impact The Machine: Developed to process discarded coconut husks (waste residue). Products: The coconut husks can be processed into a wood substitute material in the form of serving trays for snacks, creating a unique product for Koh Samui. Impact: - Environmental Problem Solving: Reduces the cost of waste disposal and minimizes pollution. - Value Creation: Transforms waste residue into new products, stimulating the economy. - Precise Problem-Solving: Effectively utilizes knowledge, research, and innovation to address a real-world local problem.
5	"GO GO Bike" to Go Green Program	Local	...		https://sdg.sru.ac.th/2024/163787/	Suratthani Rajabhat University (SRU), through its Asset Management Office, in collaboration with Go Go Transten Co., Ltd., officially launched the "GO GO Bike" electric bicycle service. This partnership falls under the commitment to implement innovative transportation within the university campus to promote the use of clean energy, reduce pollution, and drive the university towards becoming a "Green



No	Programs	Scope (international / regional / national / local / etc)	Total Participants	Photo	URL	Short Description
						University” in line with Sustainable Development goals. Key Features and Objectives Main Goal: To provide a convenient, fast, safe, environmentally friendly, and accessible transportation alternative for commuting within the university. Benefits: The GO GO Bike is a comfortable new travel option that helps reduce reliance on fossil fuels, promotes user health, and fosters environmental awareness, reaffirming the university’s role as a leader in sustainability. How to Use: Starting to use GO GO Bike is easy and quick via a dedicated application or registration channel.



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[2] Energy and Climate Change (EC)

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

Suratthani Rajabhat University

Description:

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



Suratthani Rajabhat University (SRU) implements comprehensive energy and climate change programs that integrate green infrastructure, renewable energy innovation, and sustainable practices across its campus and into the local community. These efforts significantly contribute to several Sustainable Development Goals (SDGs).

1. Affordable and Clean Energy & Sustainable Infrastructure (SDG 7, SDG 9, SDG 11, SDG 2)

SRU's focus on energy efficiency and clean energy sources directly supports the transition to sustainable energy systems.

Green Building Implementation (SDG 7, SDG 11): The university adopts green building policies for new construction and renovations to drastically reduce energy consumption and improve occupant comfort.

- Features: Implementation includes natural daylighting, tinted windows, and natural ventilation to minimize the need for artificial lighting and air conditioning.

- Roof Insulation: The use of roof insulation, often incorporating high-quality, recycled materials, significantly lowers heat gain, thus reducing the reliance on air conditioning during peak hours, and lowering the university's carbon footprint.

Renewable Energy Generation (SDG 7, SDG 9): SRU actively utilizes clean power sources, such as solar panels for electricity generation and solar hot water systems, to decrease dependence on fossil fuels and lower operational costs.

Innovative Agrivoltaic Farming (SDG 7, SDG 9, SDG 2): This program innovatively integrates vegetable cultivation with solar energy generation, maximizing land use. The solar panels power essential farm operations (e.g., irrigation pumps) and provide partial shading to improve crop growing conditions and reduce water loss, aligning technology with agricultural sustainability and food security.

2. Climate Action and Life on Land (SDG 13, SDG 15)

The university's programs are designed to actively mitigate climate change and enhance ecological resilience.

Greenhouse Gas (GHG) Emission Reduction (SDG 13): A core strategy is the commitment to reducing the university's overall carbon footprint.

"Planting a Hundred Trees Program" (SDG 13, SDG 15): This initiative focuses on planting hundreds of trees annually, which acts as a major natural carbon sink to absorb atmospheric CO₂. By planting native species, the program also enhances campus biodiversity, restores local ecosystems, and provides habitat for local wildlife.

3. Responsible Consumption & Sustainable Transport (SDG 12, SDG 11, SDG 3, SDG 17)

SRU promotes circular economy principles and sustainable mobility to minimize waste and pollution.

Zero Waste Program (SDG 12, SDG 17): In collaboration with partners like the UNDP, the university has implemented impactful zero-waste initiatives to address plastic pollution.

- Innovation and Value Creation: This program utilizes innovation to transform waste residue into new products, such as developing a wood substitute material for serving trays from waste on the Koh Samui campus, which reduces disposal costs and stimulates a local circular economy.

Sustainable Transportation (SDG 11, SDG 3): To reduce vehicle emissions and traffic congestion, SRU provides sustainable mobility options.

- GO GO Bike Service: The launch of the electric bicycle service provides a convenient, fast, and environmentally friendly transportation alternative that runs on clean energy. This promotes user health and reduces reliance on fossil fuels for short campus trips.

- Campus Shuttle Bus: A dedicated shuttle bus service offers a reliable alternative to driving, helping to reduce the number of single-occupancy vehicles on campus and supporting the overall goal of sustainable transport.



4. Partnerships for the Goals (SDG 17)

SRU's impact is amplified through strong external partnerships.

- The university actively collaborates with local farmers and municipal agencies to share knowledge on sustainable agriculture and waste management models.
- Partnerships with organizations like the UNDP and the WWF Foundation demonstrate a commitment to collective action and knowledge sharing on climate change and sustainability at regional and national levels.

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



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[3] Waste (WS)

[3.1] 3R (Reduce, Reuse and Recycle) Program for University Waste

3R Program for University Waste
(Suratthani Rajabhat University, Thailand)

The collage illustrates the university's commitment to the 3R program. It features a photo of clearly labeled waste bins, a poster explaining the 3R categories (Reduce, Reuse, Recycle), a photo of students participating in a waste management activity, and three infographics detailing the program's impact and goals.

Infographic 1: Environmental Impact of Waste

- หัวข้อชีวิตหนึ่งของคุณ สร้างขยะได้มากแค่ไหน? (How much waste does one of your lives create?)
- พลาสติก 1 แก้ว สร้างขยะ 4 ลิตร (1 glass of plastic creates 4 liters of waste)
- กระดาษ 1 ก้อน (น้ำหนัก 1 กิโลกรัม) จะสร้างขยะมากถึง 58,400 ชิ้น (1 block of paper (weight 1 kg) will create up to 58,400 pieces of waste)
- หากเราจะมาวางเรียงกัน จะสูงเท่ากับ ตึกมหานคร 28 ชั้น (If we were to line them up, they would be as tall as the 28-story Maha Nakhon building)
- หากทุกคนนำแก้วน้ำส่วนตัวมาใช้ (If everyone uses their own water bottle)
- ลดขยะได้มากถึง 58,400 ชิ้น (Reduces waste by up to 58,400 pieces)
- หากทุกคนนำแก้วน้ำส่วนตัวมาใช้ (If everyone uses their own water bottle)
- แบ่งครึ่งมาลง 100 คน (Divide by 100 people)
- เท่ากับลดขยะลงได้มากถึง 120,450 บาท (Equivalent to reducing waste by up to 120,450 Baht)

Infographic 2: Reuse (REUSE) - ใช้ซ้ำ

- เหลือเวลาอีก 3 วัน เท่านั้น! กับกิจกรรม 3R (Only 3 days left for the 3R activity)
- สัปดาห์ที่ 3 (วันที่ 23 ก.พ. - 5 มี.ค. 66) (Week 3 (Feb 23 - Mar 5, 2023))

Infographic 3: Reduce (REDUCE) - ลดการใช้

- เหลือเวลาอีก 3 วัน เท่านั้น! กับกิจกรรม 3R (Only 3 days left for the 3R activity)
- สัปดาห์ที่ 2 (วันที่ 20-26 ก.พ. 66) (Week 2 (Feb 20-26, 2023))

Infographic 4: Recycle (RECYCLE) - นำกลับมาใช้ใหม่

- เหลือเวลาอีก 3 วัน เท่านั้น! กับกิจกรรม 3R (Only 3 days left for the 3R activity)
- สัปดาห์ที่ 4 (วันที่ 6-12 มี.ค. 66) (Week 4 (Mar 6-12, 2023))

Description:

Suratthani Rajabhat University (SRU) is committed to comprehensive waste management practices to reduce environmental impact and establish itself as a model for zero-waste campus.

To encourage effective waste disposal, the campus is equipped with a wide range of clearly labeled waste containers strategically placed in high-traffic areas and academic buildings. These include separate bins for recyclable materials—such as glass, plastic, aluminum, and paper—along with specific containers for organic waste and hazardous materials. To reinforce proper sorting and disposal practices, the university has launched



awareness campaigns for students, faculty, and staff, providing information on the types of waste that belong in each bin and emphasizing the environmental benefits of proper waste management.

Aligned with its Solid and Hazardous Waste Management Policy, every department on campus follows standardized procedures for waste disposal. The policy includes mandatory waste separation at the source and regular monitoring to ensure compliance, aiming to minimize the campus's carbon footprint and waste sent to landfills. By applying the 3R principles, the university strives to:

Reduce: Promote conscious consumption on campus, minimize single-use items, and avoid unnecessary packaging. This is supported by campus initiatives such as eco-friendly dining options and refill stations to reduce plastic waste.

Reuse: Encourage the reuse of materials, such as using refillable containers, reconditioned lab equipment, and repurposing office supplies. The university also holds periodic donation drives for items that are no longer needed but still usable.

Recycle: Implement a structured recycling system, where all collected recyclable waste is processed through a designated campus facility or partnered recycling service. This includes specialized collection points for batteries, electronics, and hazardous waste to prevent environmental contamination.

Through these efforts, SRU aims not only to achieve significant waste reduction but also to serve as a model for sustainable waste management in educational institutions.



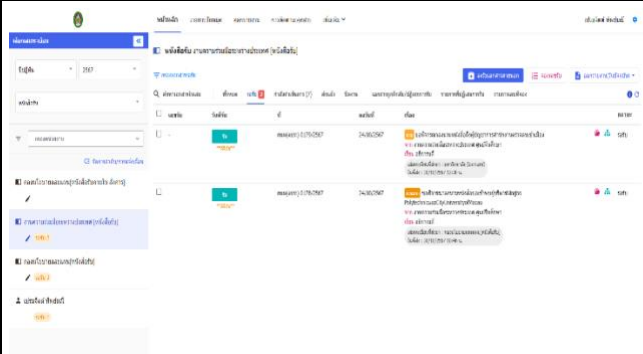
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[3] Waste (WS)

[3.4] Program to Reduce the Use of Paper and Plastic on Campus









Program to Reduce the Use of Paper and Plastic in Campus
(Suratthani Rajabhat University, Thailand)

Description:

1. Reuse of One-Side Used Paper

To minimize paper waste, Suratthani Rajabhat University (SRU) has implemented a program that encourages students, faculty, and staff to reuse paper that has only been printed on one side. Designated collection points are set up at each department for depositing used paper, which is then made available for reuse in printing drafts, taking notes, and making rough sketches. Faculty members also encourage students to use one-sided paper in classrooms and for assignments where applicable, promoting a sustainable mindset. The initiative reduces paper consumption and creates a campus culture of mindful resource use, aligning with SRU's environmental goals.

2. SRU Supports a Paperless System Using an E-Document System

To further reduce paper usage, SRU has adopted a comprehensive E-Document System, named D-Saraban, for all official communications and documentation. This system replaces traditional paper-based workflows by enabling digital document submission, storage, and approvals, thereby streamlining administrative processes



and improving efficiency across departments. Staff and faculty members are trained on how to access, manage, and sign documents electronically, which has greatly reduced the demand for printed materials. With this digital-first approach, SRU is fostering a modern, eco-friendly workplace that not only cuts down on paper but also saves storage space and reduces office supply costs.

3. Eliminating Plastic Bags at Campus Convenience Stores

Suratthani Rajabhat University has made a commitment to phase out plastic bags across all campus convenience stores, aiming to eliminate single-use plastic from everyday transactions. In collaboration with store managers, Suratthani Rajabhat University encourages students and staff to bring their own reusable bags or containers for purchases. To support this transition, the university has introduced branded, durable tote bags that are available for purchase at a subsidized rate, making it easy for everyone on campus to participate. Additionally, information and reminders are displayed at store entrances to reinforce the plastic-free policy, creating a more environmentally conscious shopping experience on campus.

4. Avoiding Single-Use Plastic through Campus-Wide Campaigns

Suratthani Rajabhat University runs active campaigns to discourage the use of single-use plastics, such as water bottles, straws, and cutlery, throughout campus events, cafeteria, and student gatherings. By raising awareness about the environmental impact of disposable plastics, these campaigns encourage the community to make sustainable choices. Suratthani Rajabhat University offers incentives, such as discounts at campus cafes for using reusable cups and bottles, and has placed water refill stations in multiple locations to make it convenient for everyone to avoid bottled water. Through posters and social media, Suratthani Rajabhat University educates its community on the importance of reducing single-use plastics, aligning with its vision for a cleaner, more sustainable campus.

These efforts are part of Suratthani Rajabhat University's broader commitment to sustainability, aiming to instill lasting habits that reduce environmental impact and inspire a sense of shared responsibility across the university community.



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[3] Waste (WS)

[3.8] Organic Waste Treatment

01 เครื่องอัดก้อนขยะชีวมวล และอัดปุ๋ยเม็ดและแท่ง ขยะชีวมวลอัดก้อน และอัดแท่งก่อน จากเครื่องผลิตก๊าซชีวภาพได้ปุ๋ยเม็ดและแท่ง

02 เครื่องสับย่อยขยะ

03 เครื่องร่อน มูลไส้เดือน

04 เครื่องผลิตก๊าซชีวภาพ 500 kg/วัน

- จัดการเศษอาหาร ผลไม้ ใบไม้และกิ่งไม้
- ก๊าซชีวภาพทุกชั่วโมง ใช้ในการประกอบอาหาร สำหรับห้องปฏิบัติการสาขาวิชาธุรกิจอาหาร คณะวิทยาศาสตร์ และการจัดอาหาร

05 ปุ๋ยหมัก แบบไม่พลิกกลับกอง

- จัดการใบไม้และกิ่งไม้
- ปุ๋ยที่ผลิตได้ นำไปปลูกผักอินทรีย์ บำรุงต้นไม้ และจำหน่ายสร้างรายได้

06 โรงเรือนปุ๋ยหมักมูลไส้เดือน ขนาดยาว 15 X กว้าง 5 ม.

- ทำปุ๋ยหมักมูลไส้เดือนแบบบรา และแบบกะละมังพลาสติก
- จัดการเศษอาหาร ใบไม้และกิ่งไม้
- ปุ๋ยที่ผลิตได้ นำไปปลูกผักอินทรีย์ และจำหน่ายสร้างรายได้

07 โรงเรือนปลูกผักอินทรีย์ ขนาดยาว 6 X กว้าง 3 ม. จำนวน 4 โรงเรือน

ทำปุ๋ยหมัก ที่ใช้ปลูกผักอินทรีย์ เพื่อนำมาแบ่งปัน ให้กับเด็กน้อยโอกาสทางการศึกษา และจำหน่ายสร้างรายได้

08 จากฟาร์มสู่โต๊ะอาหาร (Farm to Table) และระบบปลูกผักผสมผสานระบบโซลาร์เซลล์ (Agrivoltaic Farming)

เป็นการขยายผลในการใช้ปุ๋ยอินทรีย์ปลูกผักอินทรีย์ โดยนำเทคโนโลยีโซลาร์เซลล์ผลิตไฟฟ้ามาใช้ในการปลูกผัก

รูปที่ 2-17 สถานีจัดการขยะอินทรีย์ หรือ SDG Station

Organic Waste Treatment
(Suratthani Rajabhat University, Thailand)

Description:

SRU has implemented organic waste management methods at its **Organic Waste Management Station**, also known as the **SDG Station**. The station utilizes several sustainable treatment technologies:

1. Biogas Generation

The SDG Station operates biogas digesters to process organic waste. In this system, food scraps and other organic materials are placed in airtight containers where they decompose anaerobically, producing biogas (methane) as a byproduct. This methane can be captured and used as a renewable energy source to power campus facilities, such as kitchen stoves in the cafeteria or small-scale generators. By repurposing organic waste to generate biogas, SRU not only reduces methane emissions from landfills but also creates a circular system where waste becomes a valuable energy resource.



Vermicompost Production



Vermicomposting at SRU involves using worms to break down organic waste into nutrient-rich compost. Collected organic materials, primarily vegetable peels, fruit scraps, and non-greasy food waste, are fed to specially bred earthworms housed in a controlled environment. These worms process the waste, turning it into a rich, soil-like material known as vermicast, which is used as an organic fertilizer in campus gardens and greenhouses. Vermicomposting also provides educational opportunities for students studying sustainable agriculture, ecology, and waste management.

3. **Composting without Turning the Pile**

To simplify composting, SRU also utilizes a “no-turn” composting technique, where organic waste is layered with dry material such as leaves or sawdust to maintain aeration without the need for regular turning. This low-maintenance method is ideal for treating large volumes of organic waste and is monitored to ensure optimal moisture and oxygen levels. The resulting compost is used to enrich soil around campus, promoting healthier landscaping and supporting university horticulture projects.

Through these techniques, SRU’s Organic Waste Treatment Program efficiently processes organic materials, transforming them into valuable resources while reducing environmental impact. By showcasing these methods at the SDG Station, SRU educates students, staff, and the community on sustainable waste practices, reinforcing its role as a model for eco-friendly waste management in higher education institutions.



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[3] Waste (WS)

[3.12] Inorganic Waste Treatment



Inorganic Waste Treatment
(Suratthani Rajabhat University, Thailand)

Description:

To responsibly manage inorganic waste and reduce its environmental impact, Suratthani Rajabhat University (SRU) has implemented a structured treatment and recycling program that addresses various types of waste, including metals, paper, and plastics. These waste management practices not only reduce landfill contributions but also generate revenue for the university while supporting local recycling efforts.



1. **Metal Recycling and Resale**

Metal waste, such as aluminum cans, scrap metal from campus maintenance, and outdated equipment, is collected, sorted, and resold for recycling. The revenue generated from selling metal waste contributes to campus sustainability programs, while the metal is repurposed by recycling facilities for other applications, reducing the demand for newly mined metals and minimizing environmental impact.

2. **Reuse of Single-Sided Papers**

SRU promotes the reuse of single-sided printed paper across campus offices and classrooms. Instead of discarding paper after one use, departments are encouraged to repurpose it for notes, drafts, and internal documents. Collection points for single-sided paper are available in each department, ensuring that it can be conveniently reused before being fully discarded. This initiative reduces waste while instilling eco-conscious habits among students and staff.

3. **Treatment and Sale of Double-Sided Papers**

Paper that has been used on both sides is gathered, treated, and sold to third-party recyclers. The treatment process involves organizing and packing double-sided papers to meet recycling standards. This practice not only diverts paper waste from landfills but also generates a small income for SRU, which is reinvested into campus sustainability initiatives.

4. **Recycling of All Types of Plastics**

All forms of plastic waste, including plastic bags, bottles, and packaging, are collected and sold to a community-based recycling hub. To facilitate this, SRU has strategically placed collection bins for plastic items throughout campus, making it easy for students and staff to separate and dispose of plastic waste responsibly. Partnering with a local recycling hub not only supports the community's recycling efforts but also ensures that plastics are processed in an environmentally friendly manner, reducing pollution and conserving resources.

5. **Treatment of Inorganic Waste by Third-Party Providers**

For larger or more complex waste streams, SRU collaborates with third-party waste management providers, who handle the treatment of inorganic materials that require specialized processing. This includes non-recyclable items or those that are not feasible to manage on campus, such as certain electronic waste, hazardous materials, and mixed-material waste. By outsourcing these materials to licensed facilities, SRU ensures safe and environmentally compliant disposal practices, meeting local and national regulations.

Through these initiatives, SRU's Inorganic Waste Treatment Program exemplifies responsible waste management, fostering an environmentally conscious campus culture and supporting the university's commitment to sustainable practices. By reducing waste, reusing resources, and partnering with community recyclers, SRU minimizes its ecological footprint and sets a standard for other institutions in achieving zero-waste goals.



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[3] Waste (WS)

[3.16] Toxic Waste Treatment



Toxic Waste Treatment
(Suratthani Rajabhat University, Thailand)

Description:

At Suratthani Rajabhat University (SRU), managing toxic waste responsibly is a priority to ensure the safety of the campus community and the environment. Toxic waste—primarily generated by departments such as the Faculty of Nursing and the Faculty of Science and Technology—includes chemicals, laboratory reagents, and biomedical waste. SRU has established a thorough toxic waste management protocol that involves separation, safe containment, and professional disposal.

1. Separation at Disposal Sites

Toxic waste is separated from general waste at designated disposal sites on campus to prevent contamination and ensure it is handled according to safety guidelines. Specially marked toxic waste bins are provided at laboratories, SRU Community Health Center, and other high-risk areas. Each bin is labeled with clear signage indicating the type of waste it can accept (e.g., chemical, biological, sharps), making it easy for staff and students to properly dispose of hazardous materials. This separation process minimizes risks of exposure and ensures toxic waste can be effectively processed by specialized facilities.



2. **Strategic Placement of Toxic Waste Bins**

Toxic waste bins are strategically placed in areas where hazardous waste generation is most common, such as science laboratories, nursing training facilities, technical workshops, and SRU Community Health Center. These bins are equipped with secure lids and are made of durable, chemical-resistant materials to prevent leaks or spills. Staff and students in these facilities receive training on proper toxic waste disposal procedures, including handling protocols, labeling requirements, and emergency response steps. This strategic bin placement and education ensure that toxic waste is contained immediately upon generation.

3. **Contracting Specialized Waste Disposal Services**

SRU has contracted licensed external waste management companies specializing in hazardous and toxic waste disposal to ensure compliance with environmental and safety regulations. These contractors collect, transport, and process toxic waste according to national standards, using methods such as incineration, chemical neutralization, and secure landfill disposal. The collaboration with certified external providers ensures that SRU's toxic waste is disposed of in a safe, environmentally responsible manner, minimizing potential harm to the community and natural ecosystems.

Through these initiatives, SRU's Toxic Waste Treatment Program aims to mitigate the risks associated with hazardous waste while aligning with environmental sustainability goals. By maintaining safe disposal practices, collaborating with professional waste management providers, and emphasizing education, SRU ensures the effective management of toxic materials and upholds its commitment to creating a safe and eco-friendly campus environment.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[3] Waste (WS)

[3.17] Sewage Disposal



Sewage Disposal
(Suratthani Rajabhat University, Thailand)

Description:

At Suratthani Rajabhat University (SRU), wastewater management follows a carefully designed treatment process that ensures sewage is processed safely and sustainably, meeting environmental standards. SRU's sewage disposal system is based on an aerobic wastewater treatment method that neutralizes waste, purifies water, and allows for responsible discharge and reuse on campus.

1. Initial Wastewater Collection and pH Adjustment

Wastewater from campus facilities is initially pumped into a pre-treatment tank where the acidity and alkalinity levels are adjusted to reach an optimal pH range for treatment. This adjustment phase is critical, as it prepares the wastewater for effective treatment in subsequent stages, reducing the risk of equipment corrosion and promoting an ideal environment for aerobic bacteria that aid in the breakdown of organic pollutants. Chemical agents are added as needed to balance the pH, ensuring consistency in treatment quality.

2. Aerobic Treatment System

After pH adjustment, the wastewater enters an aerobic treatment tank, where it is exposed to oxygen, either through mechanical aerators or air diffusers. This oxygen-rich environment supports aerobic microorganisms that digest organic matter, breaking down contaminants into simpler compounds and reducing biochemical oxygen demand (BOD) and chemical oxygen demand (COD) levels. The aerobic process effectively reduces harmful substances, converting much of the waste into water, carbon dioxide, and bio-solids.



3. **Aeration and Sedimentation Ponds**

The treated wastewater is then transferred to aeration ponds where it undergoes further oxygenation to complete the breakdown of remaining organic material. From here, the water moves to sedimentation ponds where heavier particles settle to the bottom, forming sludge. The clarified water at the top is then siphoned off, leaving solid waste behind. This process improves water clarity and quality, making it suitable for discharge or reuse.

4. **Reuse and Discharge of Treated Water**

A portion of the treated water is repurposed for non-potable uses on campus, such as landscape irrigation, car washing, and cleaning outdoor surfaces. This reuse minimizes the need for fresh water, supporting SRU's commitment to water conservation. The remaining treated water is carefully monitored and tested to ensure it meets all legal and environmental standards before being safely discharged into nearby natural water systems. Continuous monitoring ensures that all parameters—such as pH, BOD, COD, and suspended solids—comply with government regulations to protect local water quality and ecosystems.

By implementing this structured sewage disposal system, SRU ensures that wastewater is treated to high standards, enabling safe reuse and minimal impact on the environment. This approach not only supports water conservation efforts but also aligns with SRU's commitment to sustainable and responsible campus operations.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[3] Waste (WS)

[1.24] Impact of Waste Management programs in supporting the Sustainable Development Goals (SDGs)



01 เครื่องอัดก้อนขยะรีไซเคิล และอัดปุ๋ยเม็ดและแกล้ง

ขยะรีไซเคิลมาอัดก้อน และอัดแกล้งจากเครื่องผลิตก๊าซชีวภาพได้ปุ๋ยเม็ดและแกล้ง

04 เครื่องผลิตก๊าซชีวภาพ 500 kg/วัน

- จัดการเศษอาหาร ผักใบ ไม้ไผ่และกิ่งไม้
- ก๊าซชีวภาพถูกนำไปใช้ในการประกอบอาหาร สำหรับห้องปฏิบัติการสาขาวิชาธุรกิจอาหาร คณะวิทยาศาสตร์ และการใช้ในโรงอาหาร และจำหน่ายสร้างรายได้

06 โรงเรือนปุ๋ยหมักมูลไส้เดือน ขนาดยาว 15 X กว้าง 5 ม.

- ทำปุ๋ยหมักมูลไส้เดือนแบบราง และแบบกะละมังพลาสติก
- จัดการเศษอาหาร ไม้ไผ่และกิ่งไม้
- ปุ๋ยที่ผลิตได้ นำไปปลูกผักอินทรีย์ และจำหน่ายสร้างรายได้

07 โรงเรือนปลูกผักอินทรีย์ ขนาดยาว 6 X กว้าง 3 ม. จำนวน 4 โรงเรือน

นำปุ๋ยหมัก ที่โอนไปปลูกผักอินทรีย์ เพื่อนำมาแบ่งปันให้กับเด็กด้วยโอกาสทางการศึกษา และจำหน่ายสร้างรายได้

02 เครื่องสับย่อยขยะ

03 เครื่องร่อนมูลไส้เดือน

05 ปุ๋ยหมักแบบไม่พลิกกลับกอง

- จัดการไม้ไผ่และกิ่งไม้
- ปุ๋ยที่ผลิตได้ นำไปปลูกผักอินทรีย์ ป่ารุ่งอินโด และจำหน่ายสร้างรายได้

08 จากฟาร์มสู่โต๊ะอาหาร (Farm to Table) และระบบปลูกผักผสมผสานระบบไฮดรอปอนิกส์ (Agriculture Farming)

เป็นการขยายผลในการใช้ปุ๋ยอินทรีย์ปลูกผักอินทรีย์ โดยนำเทคโนโลยีไฮดรอปอนิกส์มาใช้ในการปลูกผัก

สถานีจัดการขยะอินทรีย์

รูปที่ 2-17 สถานีจัดการขยะอินทรีย์ หรือ SDG Station

Suratthani Rajabhat University

Description:

(Please describe Impact of Waste Management programs in supporting the Sustainable Development Goals. You can describe more related items if needed.)

The waste management activities at SRU collectively maximize resource efficiency and minimize negative environmental externalities.



1. SDG 12: Responsible Consumption and Production

Impact: This is the core goal supported. SRU's entire strategy—from the **3R program** and plastic/paper reduction to the specialized treatment of all waste types—directly addresses **Target 12.5 (Substantially reduce waste generation through prevention, reduction, recycling and reuse)**. By transforming organic and inorganic waste into resources (biogas, fertilizer) and ensuring responsible disposal of toxic materials, the university minimizes its environmental footprint and promotes the principles of a **circular economy**.

2. SDG 6: Clean Water and Sanitation

Impact: The sophisticated **Sewage Disposal System** is a direct contribution to **Target 6.3 (Improve water quality by treating wastewater)**. By purifying wastewater before discharge and **repurposing a portion of the treated water** for non-potable uses like landscape irrigation and cleaning, the university protects local water ecosystems from pollution and conserves precious freshwater resources.

3. SDG 13: Climate Action

Impact: The **Organic Waste Treatment Program** supports climate mitigation by converting food waste into **biogas**, a renewable energy source. This process prevents the organic waste from decomposing in landfills, which would otherwise release **methane**, a potent greenhouse gas, thereby contributing to the university's overall efforts to reduce its carbon footprint.

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



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[4] Water (WR)

[4.1] Water Conservation Program Implementation



Lakes and In Ground Water Tank



A system of rainwater filters

Rain Water Collection
(Suratthani Rajabhat University, Thailand)

Description:

Suratthani Rajabhat University (SRU) has developed an innovative Water Conservation Program aimed at sustainable water use and resource management across its campuses, including the Samui Campus. The program leverages natural water sources, advanced storage, and filtration systems, positioning SRU as a model for water conservation aligned with the Sustainable Development Goals (SDGs).



1. **Production and Supply of Non-Potable Water**

SRU supplies non-potable water throughout the campus for various uses, such as landscaping, cleaning, and cooling systems, which reduces the demand on potable water sources. This non-potable water is sourced from lakes and in-ground water tanks strategically constructed for long-term storage and conservation. By utilizing both natural and man-made reservoirs, SRU ensures an ample water supply for non-drinking purposes year-round, effectively reducing strain on local water sources.

2. **Water Conservation Through Lakes and In-Ground Tanks**

SRU's water storage infrastructure includes lakes and in-ground tanks designed to capture and store large quantities of water. These systems conserve water collected from natural sources, such as rain, and minimize evaporation through covered or underground storage. The capacity of these storage units allows SRU to retain water from seasonal rains, which can then be used during dry periods. These storage solutions support efficient water usage on campus, making the institution more resilient to seasonal variations in rainfall.

3. **Rainwater Harvesting and Filtration for Potable Use**

Rainwater is a critical natural source of water for SRU, particularly at the Samui Campus, where a rainwater harvesting and filtration system has been installed. Collected rainwater passes through a multi-stage filtration system that removes impurities, sediment, and contaminants. The filtered rainwater meets safety standards for human consumption, providing a reliable, eco-friendly source of potable water for students and staff. This system reduces dependency on municipal water supplies and demonstrates effective rainwater utilization, which is especially valuable in the Koh Samui Island, where water scarcity can be a concern.

4. **Promoting Sustainable Water Use Practices**

SRU actively educates its campus community on sustainable water usage, encouraging practices like mindful water use, reporting leaks, and using recycled water where appropriate. Informative signage and campus-wide awareness campaigns reinforce water-saving habits, ensuring that all members of the SRU community contribute to conservation efforts.

5. **Leadership in Sustainable Development Goals (SDGs)**

The water conservation initiatives at SRU, particularly the rainwater filtration system at the Samui Campus, serve as a model for water resource management under the SDGs. SRU regularly collaborates with local agencies, organizations, and other institutions within the Koh Samui District, sharing insights and methodologies on sustainable water use. Through workshops, conferences, and guided tours of the rainwater filtration system, SRU provides a blueprint for water conservation that other institutions can replicate to support sustainable water management across the region.

By combining natural and constructed water resources with advanced filtration and storage systems, SRU's Water Conservation Program effectively addresses water scarcity challenges and reduces environmental impact. This program not only ensures a stable water supply for the university but also highlights SRU's commitment to the SDGs and its role as a sustainability leader in Thailand.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[4] Water (WR)

[4.2] Water Recycling Program Implementation

	
Water Conserved in Lakes	Tanks of Water Recycling
	
The Use of Recycled Water	
Water Recycling Program (Suratthani Rajabhat University, Thailand)	

Description:

Suratthani Rajabhat University (SRU) has implemented a Water Recycling Program designed to conserve water resources by treating and reusing water for various campus needs. This approach supports SRU's sustainability goals, reduces water waste, and promotes responsible water management.



1. Recycling of Treated Water for Campus Use

SRU utilizes a water treatment and recycling system to collect and purify water from natural sources, including rainwater and wastewater generated on campus. This recycled water is treated through multiple filtration and decontamination processes, ensuring it meets quality standards for non-potable applications. Once treated, the water is repurposed for activities that do not require drinking-quality water, reducing the demand on potable water supplies and minimizing waste.

2. Reuse of the Reject Water Project

The project, born from the collaboration between Suratthani Rajabhat University's Asset Management Office and the Rachapruet Drinking Water Factory, is a clear act of turning an environmental liability into a sustainable asset. This ambitious initiative successfully intercepts the reject water—the approximately 30% of water that was once discarded from the Reverse Osmosis purification process—and diverts it from the drain. Instead, this flow is captured in a dedicated network of four 4,000-liter storage tanks after undergoing preliminary treatment, creating a dependable second-tier water supply. The reclaimed water then takes on a crucial new life, being put to purposeful use across the campus: it is deployed for cleaning buildings, effectively reducing the university's reliance on precious, potable tap water, and gently utilized for irrigating plants in the gardens and landscaped areas, where it aids both conservation and soil health. Ultimately, this pioneering scheme is driven by the core objectives of managing water resources with maximum efficiency, dramatically reducing utility costs, and positioning the university as a leading model for maximizing resource value, proving that sustainable practices are both environmentally responsible and fiscally prudent.

3. Recycled Water for Agricultural and Landscaping Purposes

SRU also uses recycled water for agricultural activities and campus landscaping. Treated water is applied to irrigate green spaces, campus gardens, and agricultural plots, providing the necessary hydration for plants and crops without tapping into freshwater reserves. This not only supports the health of SRU's green spaces but also sustains the university's agricultural research and educational activities in a resource-conscious manner.

4. Promoting Sustainable Practices Through Recycled Water Use

By implementing a water recycling program, SRU encourages students, staff, and visitors to embrace sustainable practices. Signage around the car care facility and agricultural areas highlights the use of recycled water, raising awareness about the importance of water conservation and responsible water usage. Additionally, SRU offers workshops and informational sessions to educate the campus community on the water recycling process, fostering a culture of sustainability and eco-consciousness.

5. Environmental and Economic Benefits

The Water Recycling Program at SRU not only conserves water but also reduces water expenses and operational costs associated with sourcing and transporting fresh water. By treating and reusing water on-site, SRU minimizes its environmental footprint, contributing to a reduction in water waste and supporting the Sustainable Development Goals (SDGs).

Through its Water Recycling Program, SRU showcases the benefits of water conservation, reinforcing its role as an eco-conscious institution and a model for sustainable practices in higher education. By reusing treated water for cleaning buildings, agriculture, and landscaping, SRU maximizes resource efficiency, supports environmental responsibility, and aligns with global sustainability goals.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[4] Water (WR)

[4.3] Water Efficient Appliances Usage (e.g. hand washing taps, toilet flush, etc.)



Water Efficient Appliances Usage (Suratthani Rajabhat University, Thailand)

Description:

Appliance	Total Number	Total number water Efficient appliances	Percentage
toilet flush	50	1,350	3.70%
hand washing taps	50	1,400	3.57%
		Average Percentage	3.64%



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[4] Water (WR)

[4.4] Consumption of treated water



Consumption for Treated Water
(Suratthani Rajabhat University, Thailand)

Description:

Suratthani Rajabhat University (SRU) has established a system for treating and repurposing water to support sustainable operations across campus. Treated water is strategically distributed for use in agriculture, the SRU car wash service, and within the President's Building, contributing to water conservation efforts and minimizing reliance on fresh water sources.



1. **Treated Water Distribution System**

SRU's treated water is distributed through a dedicated pipeline system that ensures reliable access to non-potable water for specific campus functions. This system is designed to separate potable water from treated water, making it easy to route recycled water to areas where it can be safely and effectively used, such as agricultural fields, car wash stations, and facility maintenance within the President's Building.

2. **Agricultural Use of Treated Water**

Treated water plays a crucial role in SRU's agricultural activities, which include research plots, campus gardens, and experimental crop areas. The recycled water is used to irrigate plants, crops, and green spaces on campus, allowing SRU to maintain a healthy landscape and support agricultural studies without depleting fresh water reserves. By using treated water in this manner, SRU promotes eco-friendly agriculture, reduces the need for fertilizers, and creates a living model of sustainable resource management for students and visitors.

3. **SRU Car Wash Service**

At the SRU Car Wash Service, treated water is employed to wash and rinse vehicles, which significantly cuts down on the campus's demand for fresh water. The car wash facility uses filtration and treatment methods to remove impurities and prepare water that meets the necessary quality for cleaning applications. Reusing treated water in this way allows SRU to operate a convenient service for students, staff, and visitors, while reinforcing the importance of water conservation in everyday activities.

4. **Reuse in the President's Building**

Within the President's Building, treated water is used for non-potable purposes, such as flushing toilets, cleaning, and maintaining green indoor spaces. This initiative reduces potable water consumption and demonstrates SRU's commitment to integrating sustainable practices into administrative operations. By using treated water in these applications, the President's Building serves as a visible example of SRU's sustainable practices and commitment to eco-friendly resource management.

5. **Environmental and Financial Benefits**

Through this targeted consumption of treated water, SRU reduces its environmental impact and operational costs by reusing water that would otherwise be wasted. This approach aligns with SRU's goals under the Sustainable Development Goals (SDGs), helping to reduce water waste, lower carbon emissions associated with water transport, and minimize water treatment expenses. SRU's treated water system not only conserves resources but also establishes the university as a responsible leader in environmental stewardship.

By utilizing treated water in agriculture, car care services, and the President's Building, SRU's maximizes its water efficiency and sets a benchmark for sustainable campus operations. This approach demonstrates SRU's commitment to conservation, sustainability, and the practical application of green infrastructure in higher education.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[4] Water (WR)

[4.7] Impact of Water Management programs in supporting the Sustainable Development Goals (SDGs)



Description:

(Please describe Impact of Water Management programs in supporting the Sustainable Development Goals. You can describe more related items if needed.)

Suratthani Rajabhat University (SRU) demonstrates a comprehensive and proactive commitment to the Sustainable Development Goals (SDGs) through its multi-layered water management programs, transforming its campus into a model for resource efficiency and environmental stewardship.

The impact of SRU's Water Management programs primarily supports SDG 6 and SDG 12, with significant contributions to education and sustainability across the campus.



1. SDG 6: Clean Water and Sanitation

Impact: SRU directly addresses Target 6.4 (Increase water-use efficiency) by implementing a comprehensive system of conservation, recycling, and efficient fixture installation. By creating a dual water system—one for potable use and another for non-potable use derived from treated/recycled water—the university reduces its dependence on external freshwater supplies and maximizes the utility of every drop. The use of treated water for irrigation, and facility maintenance (e.g., in the President's Building) exemplifies this efficiency.

2. SDG 12: Responsible Consumption and Production

Impact: The university's strong emphasis on water recycling and the reuse of RO reject water aligns perfectly with SDG 12, particularly Target 12.5 (Substantially reduce waste generation). By treating wastewater and utilizing the RO reject stream, SRU transforms potential pollutants into valuable inputs, minimizing the volume of wastewater released into the environment and promoting a circular economy approach to resource management.

3. Supporting SDGs

- SDG 2 (Zero Hunger) & SDG 15 (Life on Land): The consumption of treated water plays a crucial role in SRU's agricultural activities, including research plots and campus gardens. This reliable, resource-conscious irrigation supports academic research, sustains healthy green spaces (SDG 15), and promotes sustainable food production on campus (SDG 2).
- SDG 4 (Quality Education): SRU's visible infrastructure (lakes, recycling plants, efficient fixtures) and active educational campaigns turn the campus into a living laboratory. Signage and awareness programs encourage students and staff to adopt sustainable water practices, fostering a culture of conservation and eco-consciousness that extends beyond the university gates.

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



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[5] Transportation (TR)

[5.4] The total number of vehicles (cars and motorcycles) divided by total campus' population

No.	Vehicle	Total Number
1	Car managed by the university	15
2	Cars entering the university	900
3	Motorcycles entering the university	5,000
	Total	5,915

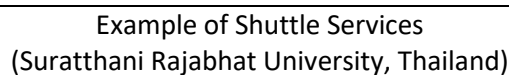
Description:

The total number of vehicles (cars and motorcycles) divided by total campus' population:
 $(15+900+5,000)/15,492 = 0.38$



University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[5.5] Shuttle Services



Suratthani Rajabhat University (SRU) operates an efficient and eco-friendly Shuttle Service system that enhances mobility and accessibility throughout the campus while minimizing its environmental impact. The service includes larger electric shuttles on fixed routes and smaller electric golf cart-style vehicles for personalized transportation, making campus travel easy, convenient, and sustainable.



1. **Electric Shuttle Fleet and Prescribed Routes**

SRU's shuttle service fleet consists of several electrically powered shuttles that operate on designated routes covering key areas of the campus, including lecture halls, dormitories, administrative buildings, recreational facilities, and parking lots. The shuttles are large enough to accommodate a significant number of passengers, reducing the number of individual vehicles on campus and lowering carbon emissions. Each shuttle follows a precise route and schedule, ensuring regular and predictable service that allows students, staff, and visitors to plan their journeys efficiently.

2. **Real-Time Car Tracking System and Mobile App**

The electric shuttles are equipped with a real-time car tracking system accessible through a mobile app that users can download. The app provides live updates on shuttle locations, estimated arrival times, and route information, allowing users to track the nearest shuttle and reduce waiting times. The tracking system enhances user convenience by offering up-to-the-minute information, helping users make quick decisions about their transit options around campus. This feature supports punctuality and reduces idle time, contributing to SRU's overall operational efficiency.

3. **Electric Golf Cart-Style Vehicles for On-Demand Transport**

In addition to the fixed-route shuttles, SRU offers electric golf cart-style vehicles that provide personalized, on-demand transportation across campus. These smaller vehicles are available for short-distance or point-to-point travel and can be requested via the same app, where users can specify their pickup and drop-off locations. This service is ideal for those needing assistance moving between less accessible areas of campus or during off-peak hours. It's particularly beneficial for students and staff with mobility needs, as well as for visitors unfamiliar with campus routes, providing a flexible and accessible transport solution.

4. **Commitment to Sustainability and Carbon Reduction**

SRU's shuttle fleet is entirely electric-powered, reinforcing the university's commitment to sustainability by reducing reliance on fossil fuels and minimizing greenhouse gas emissions. The transition to electric vehicles (EVs) aligns with SRU's environmental policies and supports global climate goals. By offering a sustainable transport option, SRU not only contributes to cleaner air quality on campus but also sets an example of responsible transportation practices in higher education.

5. **Shuttle Service Awareness and User Education**

SRU actively promotes awareness of its shuttle service through campus orientation sessions, digital signage, and social media. Maps and instructions are available at shuttle stops and on the app, making the service accessible to new students, staff, and visitors.

6. **Safety and Comfort Features**

The electric shuttles and golf cart-style vehicles are designed with safety and comfort in mind. Each shuttle is equipped with comfortable seating, handrails, and secure entry and exit points, ensuring a safe journey for all passengers. The vehicles are also regularly maintained to meet safety standards, and drivers are trained in safe and efficient driving practices, particularly when navigating campus pathways and student areas.

By implementing a well-rounded electric shuttle service with both scheduled and on-demand options, SRU provides an accessible, convenient, and environmentally friendly transportation solution that benefits the entire campus community. This innovative shuttle service supports SRU's commitment to sustainability, enhances campus mobility, and reinforces its role as a leader in eco-conscious campus management.

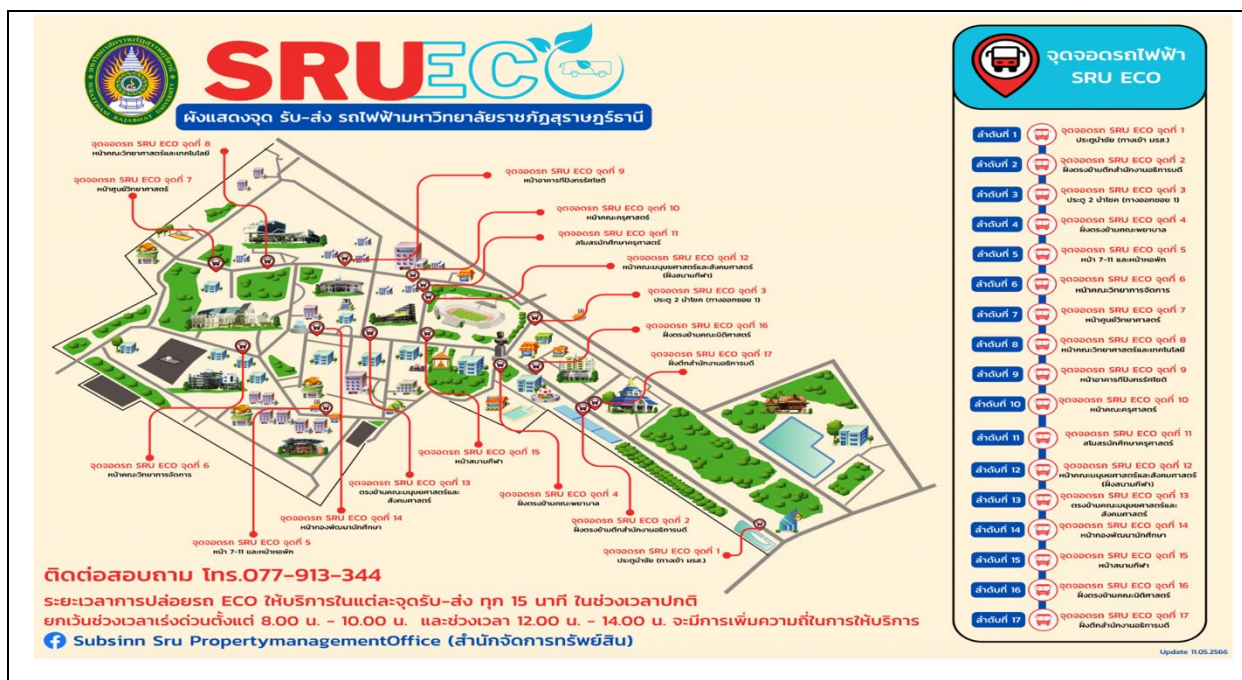


Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[5] Transportation (TR)

[5.9] Zero Emission Vehicles (ZEV) Policy on Campus



Example of Zero Emission Vehicles
(Suratthani Rajabhat University, Thailand)



Description:

Suratthani Rajabhat University (SRU) has committed to a comprehensive Zero Emission Vehicles (ZEV) Policy aimed at reducing the carbon footprint of campus transportation. This policy promotes the use of environmentally friendly vehicles, including a fleet of electrically powered shuttles and smaller electric golf cart-style vehicles, designed to enhance mobility while minimizing greenhouse gas emissions.

1. Fleet of Electrically Powered Shuttles

The backbone of SRU's ZEV Policy is its fleet of electrically powered shuttles. These shuttles are designed to provide efficient and reliable transportation across the university campus, following well-defined routes that connect major facilities such as academic buildings, libraries, student dormitories, recreational areas, and administrative offices. The electric shuttles accommodate a significant number of passengers, reducing the need for personal vehicles and subsequently lowering traffic congestion and emissions on campus.

2. Real-Time Car Tracking System and Mobile App

Each shuttle is equipped with a state-of-the-art real-time car tracking system, allowing users to access shuttle information via a downloadable mobile app. This app provides real-time updates on shuttle locations, estimated arrival times, and route schedules, empowering users to plan their journeys effectively. By enabling users to track shuttles in real time, SRU enhances user convenience and encourages increased reliance on the shuttle service, thus promoting sustainable transportation practices.

3. Personalized Service with Electric Golf Cart-Style Vehicles

In addition to the main shuttle service, SRU employs smaller electric golf cart-style vehicles that offer personalized, on-demand transportation for short-distance travel. These vehicles are especially useful for navigating the campus's more challenging pathways or when users require transport between specific locations without waiting for scheduled shuttles. Users can request these carts through the same mobile app, allowing for flexible transportation tailored to individual needs.

4. Commitment to Sustainability and Carbon Neutrality

The ZEV Policy at SRU underscores the university's commitment to sustainability and carbon neutrality. By utilizing only electric-powered vehicles, SRU significantly reduces its reliance on fossil fuels, contributing to improved air quality and a lower carbon footprint. This initiative is in line with global efforts to combat climate change and aligns with the university's goals to foster an eco-friendly campus environment.

5. Infrastructure for Electric Vehicle Charging

Supporting the ZEV Policy, SRU has installed charging stations strategically located to ensure that electric shuttles and golf carts can be recharged efficiently. These charging stations are equipped with fast-charging capabilities to minimize downtime and maintain a reliable transportation service. The infrastructure is designed to accommodate future expansions of the electric vehicle fleet, demonstrating SRU's commitment to evolving and enhancing its sustainable transportation options.

6. User Engagement and Education

SRU actively engages the campus community in the ZEV initiative through awareness campaigns and educational programs. Information on the environmental benefits of electric vehicles, the convenience of using campus shuttles, and the functionality of the mobile app is disseminated through orientation sessions, workshops, and campus events. These efforts aim to cultivate a culture of sustainability among students, faculty, and staff, encouraging the community to embrace the use of zero-emission vehicles.



By implementing a robust Zero Emission Vehicles (ZEV) Policy, SRU not only provides efficient and convenient transportation solutions for its campus community but also demonstrates leadership in sustainable practices. Through the use of electric shuttles and personalized electric vehicles, SRU sets a standard for environmental responsibility in higher education, promoting a greener future for all.



Ratio = 13.71



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[5] Transportation (TR)

[5.14] Program to limit or decrease the parking area on campus for the last 3 years



Program to limit or decrease the parking area on campus
(Suratthani Rajabhat University, Thailand)

Description:

In response to increasing environmental concerns and the need to promote sustainable transportation practices, Suratthani Rajabhat University (SRU) implemented a comprehensive program aimed at limiting the parking area on campus. This program focused on two primary strategies: restricting parking zones for students and providing free shuttle services for both students and staff.



1. Limiting Parking Zones for Students

As part of the initiative to reduce the overall parking footprint on campus, SRU undertook significant measures to restrict student parking zones. This involved:

- **Redesigning Campus Layout:** The university reassessed its campus layout and identified specific areas where parking could be reduced or eliminated, focusing on maximizing space for green areas, pedestrian pathways, and bike lanes. This redesign aimed to create a more walkable and bike-friendly campus environment.
- **Implementing Parking Regulations:** SRU introduced stricter parking regulations, including designated parking zones specifically for faculty and staff, while limiting or removing student parking spaces. This policy encouraged students to explore alternative transportation options, such as shuttles, bicycles, or walking.
- **Awareness Campaigns:** The university launched awareness campaigns to educate students about the benefits of reduced car usage, including decreased traffic congestion, lower carbon emissions, and enhanced campus aesthetics. These campaigns included informational sessions, flyers, and digital media outreach to reinforce the importance of sustainable practices.

2. Free Shuttles for Students and Staff

To facilitate mobility across campus while reducing the reliance on personal vehicles, SRU expanded its free shuttle service for students and staff:

- **Enhanced Shuttle Routes:** The shuttle service was optimized to cover all major campus destinations, including lecture halls, libraries, dormitories, recreational facilities, and parking areas, ensuring convenient access for all users. By increasing the frequency of shuttles, students and staff experienced reduced wait times and greater flexibility in their travel schedules.
- **Promotion of Shuttle Use:** The university actively promoted the shuttle service through orientation sessions, campus events, and social media platforms. Highlighting the convenience and environmental benefits of using shuttles reinforced the message that public transportation is a viable and responsible alternative to driving.
- **Real-Time Tracking System:** SRU implemented a real-time tracking system accessible via a mobile app, enabling users to monitor shuttle locations and estimated arrival times. This feature improved the user experience by providing up-to-date information and helping students and staff plan their commutes more effectively.

Overall Impact

The implementation of these strategies resulted in several positive outcomes for SRU:

- **Reduction in Vehicle Traffic:** The decrease in student parking spaces, combined with the availability of free shuttle services, led to a notable reduction in vehicle traffic on campus. This shift not only alleviated congestion but also contributed to improved air quality and reduced noise pollution.
- **Increased Use of Alternative Transportation:** As students adapted to the changes, there was a marked increase in the use of alternative transportation methods, such as biking and walking, further promoting a healthy and environmentally friendly campus culture.
- **Enhanced Campus Environment:** By limiting parking areas and increasing green spaces, SRU created a more aesthetically pleasing and accessible campus for everyone. The emphasis on walkability encouraged social interaction and engagement among students and staff.
- **Commitment to Sustainability:** The program demonstrated SRU's commitment to sustainability and responsible resource management, reinforcing its position as a leader in environmentally conscious practices within the higher education community.



Through the Program to Limit or Decrease Parking Area on Campus, SRU successfully promoted sustainable transportation, enhanced mobility, and fostered a culture of environmental responsibility. The combination of limiting parking zones for students and providing free shuttle services illustrated the university's commitment to creating a more sustainable and accessible campus for all.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[5] Transportation (TR)

[5.15] Number of Transportation Initiatives to Decrease Private Vehicles on Campus

	
Limiting parking zone for students	Free shuttles for students and staff
	
Bus Service	
Transportation Initiatives to Decrease Private Vehicles on Campus (Suratthani Rajabhat University, Thailand)	

Description:

To address environmental concerns and promote sustainable practices, Suratthani Rajabhat University (SRU) has implemented a series of transportation initiatives aimed at decreasing the reliance on private vehicles among students, staff, and faculty. The following key initiatives have played a crucial role in transforming campus mobility and enhancing accessibility:



1. Limiting Parking Zones for Students

Recognizing the need to reduce vehicle congestion and encourage alternative modes of transportation, SRU has undertaken strategic actions to limit student parking zones:

- **Designated Parking Areas:** The university identified specific areas on campus for student parking, reducing the overall number of spaces available to encourage students to seek alternatives. This policy was part of a broader initiative to transition students towards public transport, cycling, and walking.
- **Enhanced Regulations:** SRU implemented strict regulations regarding student parking, including a permit system to further restrict the number of vehicles on campus. By making it more challenging for students to secure parking, the university incentivized them to consider other transportation options.
- **Increased Visibility of Non-Motorized Transport:** The campus underwent a redesign to enhance infrastructure for pedestrians and cyclists, including wider sidewalks, bike lanes, and bike racks. By making non-motorized transport options more visible and accessible, SRU promoted their use as viable alternatives to driving.
- **Awareness Campaigns:** The university launched information campaigns to educate the student body about the benefits of reduced car usage, emphasizing the environmental impact, health benefits, and potential cost savings associated with alternatives to driving.

2. Free Shuttles for Students and Staff

SRU has developed an extensive free shuttle service that significantly reduces the need for personal vehicles:

- **Comprehensive Shuttle Network:** The shuttle service operates on a network of well-planned routes covering essential campus locations, such as academic buildings, dormitories, administrative offices, and recreational facilities. This ensures that all areas of campus are easily accessible without the need for personal transportation.
- **Increased Frequency and Capacity:** The university invested in additional shuttles and increased the frequency of service during peak hours, making it more convenient for students and staff to utilize the shuttle system instead of driving. The increased capacity of the shuttles allowed for efficient transportation of larger groups.
- **User-Friendly Technology:** The implementation of a real-time tracking system accessible via a mobile app allows users to see shuttle locations and estimated arrival times, providing transparency and convenience that encourages greater utilization of the service.

3. Bus Service

To further expand its transportation options and reduce dependence on personal vehicles, SRU has partnered with local transit authorities to provide an integrated bus service:

- **Scheduled Bus Routes:** The bus service connects the university with surrounding communities, providing a critical link for students and staff who commute from nearby areas. These scheduled routes offer an efficient means of transportation, further reducing the need for personal vehicles.
- **Seamless Transfers:** The university collaborates with local bus operators to ensure seamless transfers between the campus shuttles and city buses, enhancing the overall accessibility and convenience of public transportation for the campus community.
- **Environmental Impact:** By encouraging the use of public buses, SRU contributes to a reduction in the number of cars on the road, thereby decreasing traffic congestion and lowering greenhouse gas emissions in the surrounding areas.



Overall Impact

Through these transportation initiatives, SRU has successfully fostered a more sustainable campus environment:

- **Reduction in Vehicle Use:** The combined effect of limiting parking zones, providing free shuttles, and offering a bus service has led to a noticeable decrease in the number of private vehicles on campus. This reduction contributes to improved air quality and reduced noise pollution.
- **Promotion of Sustainable Practices:** SRU's focus on alternative transportation aligns with broader sustainability goals and promotes a culture of eco-consciousness among students and staff. This shift encourages a community-wide commitment to environmental stewardship.
- **Improved Campus Experience:** By enhancing the mobility options available, SRU has created a more accessible and enjoyable campus experience. Reduced congestion allows for safer pedestrian pathways, fostering a sense of community and encouraging social interaction among students and staff.

Overall, SRU's transportation initiatives demonstrate a holistic approach to campus mobility, effectively decreasing reliance on private vehicles while promoting sustainable and efficient transportation alternatives. Through strategic planning and community engagement, SRU is leading the way in creating a greener campus for future generations.

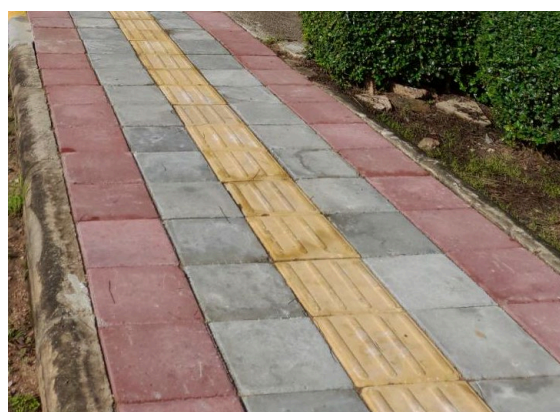
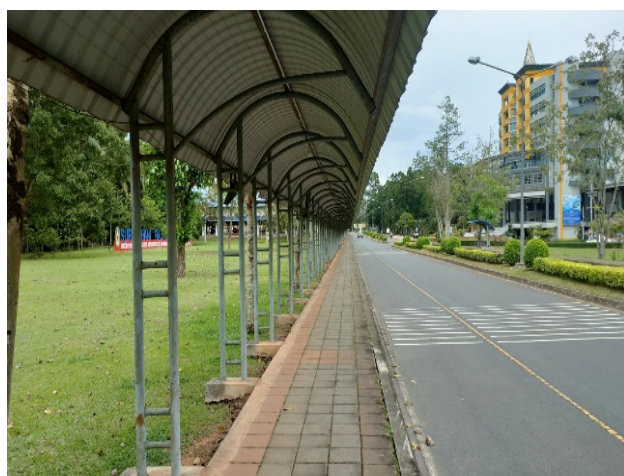


Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[5] Transportation (TR)

[5.16] Pedestrian Path Policy on Campus



Pedestrian Path Policy on Campus
(Suratthani Rajabhat University, Thailand)

Description:

Suratthani Rajabhat University (SRU) has established a comprehensive Pedestrian Path Policy to enhance the safety, accessibility, and overall experience of individuals navigating the campus on foot. This policy focuses on creating a welcoming environment for all users, including students, staff, visitors, and individuals with disabilities. Two key components of this policy are safety markings along covered walkway routes and the provision of ramps and guiding blocks designed for pedestrians with physical disabilities.



1. Safety Marking Along Covered Walkway Routes

To ensure the safety of pedestrians traversing the campus, SRU has implemented extensive safety markings throughout its covered walkways:

- **Clear Signage and Pathway Markings:** Colored markings are strategically placed along the walkways to delineate pedestrian pathways, guiding individuals safely to their destinations. These markings include directional arrows, lane dividers, and safety symbols, which provide visual cues for pedestrians and enhance their awareness of surroundings.
- **Lighting Enhancements:** The covered walkways are equipped with well-placed lighting to ensure visibility during evening hours, creating a safer environment for pedestrians. The lighting fixtures are designed to reduce shadows and illuminate the pathways adequately, minimizing the risk of accidents.
- **Regular Maintenance:** SRU commits to regular inspections and maintenance of the marked pathways to ensure that they remain clear of obstacles and hazards. Any wear or damage to safety markings is promptly addressed, maintaining the integrity of the pedestrian routes.

2. Ramps and Guiding Blocks for Individuals with Physical Disabilities

SRU is dedicated to creating an inclusive campus environment, ensuring that all pathways are accessible to individuals with physical disabilities:

- **Thoughtful Ramp Design:** Ramps are installed at all key entry and exit points throughout the campus, featuring gentle slopes that comply with accessibility standards. These ramps provide safe and easy access for individuals using wheelchairs, walkers, or other mobility aids, allowing them to navigate the campus without barriers.
- **Guiding Blocks and Textured Surfaces:** To assist visually impaired individuals, SRU has integrated guiding blocks along pedestrian pathways. These tactile paving systems feature raised surfaces that provide directional guidance for those who may rely on touch to navigate. The use of contrasting colors and textures helps users identify pedestrian routes and locate crosswalks.
- **Staff Training and Awareness:** SRU provides training for staff and volunteers to raise awareness of the challenges faced by individuals with disabilities. This training emphasizes the importance of maintaining accessible pathways and assisting individuals in navigating the campus effectively.

Overall Impact

Through its **Pedestrian Path Policy**, SRU aims to foster a safe, inclusive, and pedestrian-friendly campus environment:

- **Enhanced Safety and Security:** The implementation of safety markings and well-lit walkways contributes to a more secure atmosphere for all pedestrians. These measures promote confidence in using the campus pathways, especially during evenings or low-light conditions.
- **Increased Accessibility:** By prioritizing accessibility for individuals with physical disabilities, SRU demonstrates its commitment to inclusivity. The thoughtful design of ramps and guiding blocks ensures that all members of the university community can navigate the campus comfortably and independently.
- **Encouragement of Active Transportation:** The policy encourages students and staff to choose walking as a mode of transportation, promoting health and wellness through increased physical activity. A pedestrian-friendly environment fosters social interactions and enhances the sense of community on campus.



Overall, SRU's Pedestrian Path Policy reflects its dedication to creating a safe, accessible, and inclusive environment for all members of its community. By prioritizing pedestrian safety and accessibility, SRU is not only improving the campus experience but also setting a standard for sustainable and responsible campus design.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[5] Transportation (TR)

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

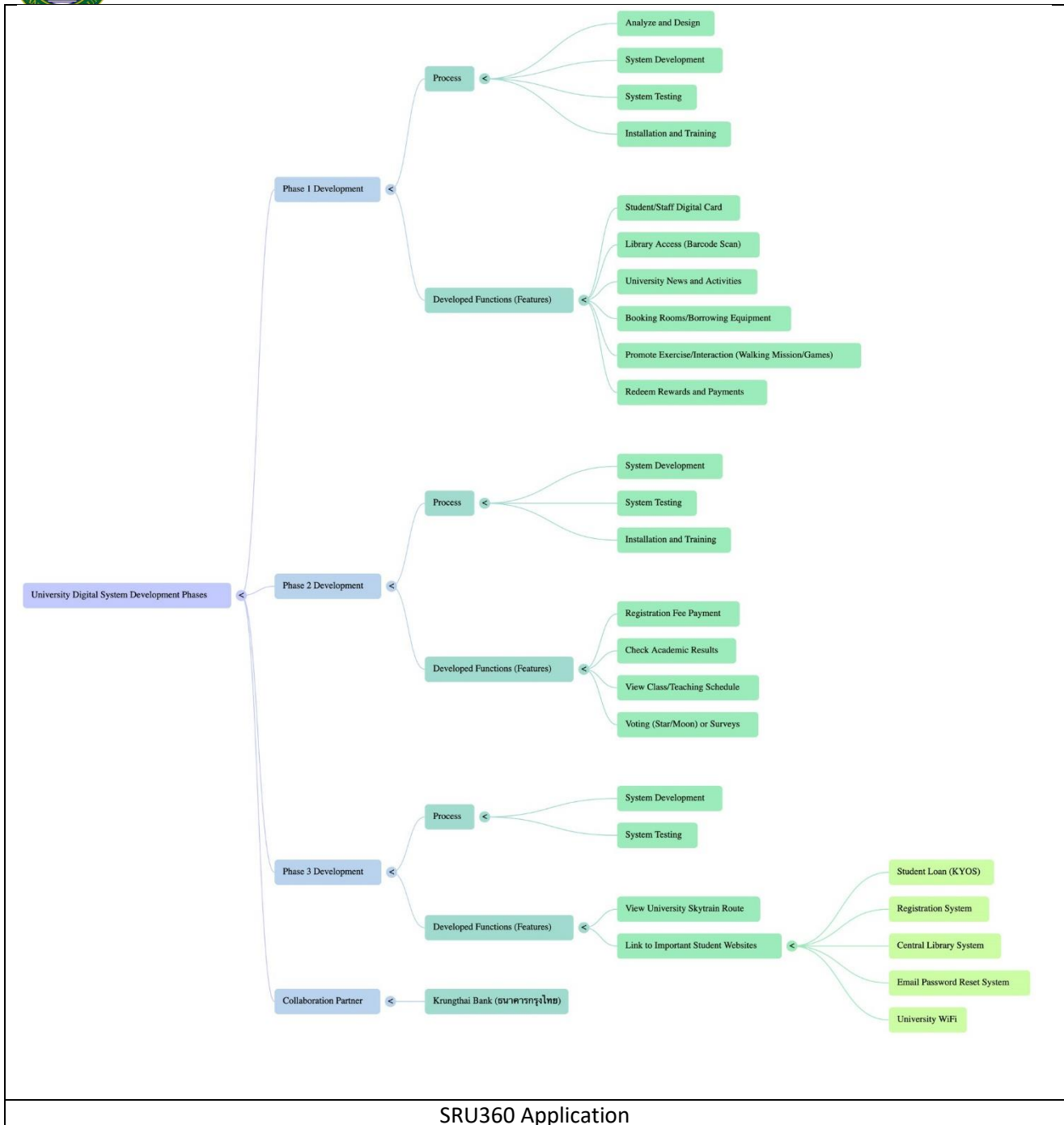


Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Project initiation of SRU360 Application ; needs analysis, design, and collaboration with Krungthai Bank	System design tools, API documentation, requirement analysis, integration plan with existing systems (registration, finance, personnel)	Project proposal, API documents, MoU with Krungthai Bank, planning reports	Jan 2022 – early 2023	Office of Academic Resources & IT; Computer Center
Implementation	Development of SRU360 in 3 phases: (1) digital ID, library, news/events, booking, fitness & rewards; (2) e-payment, grades, timetable, voting/surveys; (3) transport routes , links to key student services	Mobile application development (React Native), backend (Laravel, Java Spring Boot), database (MySQL, Oracle, PostgreSQL), AWS hosting, e-Payment integration	Screenshots, system manuals, deployment records, user guides, MOU with Krungthai Bank	2022 – 2024 (30 months)	Computer Center; Krungthai Bank Development Team
Monitoring	Monthly system maintenance and audits; backup on AWS Aurora and RDS; monitoring login stability; daily active users	Log monitoring tools, cloud backup systems, audit logs, user analytics dashboards	Backup reports, monthly maintenance logs, system audit documents, daily/weekly user statistics	Ongoing (2023–present)	Computer Center; Krungthai Bank IT Support



Evaluation	Measurement of adoption, daily active users (2,000–3,000), total users (14,975), responsiveness, and satisfaction	Analytics dashboards (Krungthai CMS), survey tools, usage data, performance metrics (response < 5 seconds, concurrency up to 17,000 users)	User statistics reports, CMS analytics screenshots, satisfaction surveys, performance benchmarks	Annual review	Computer Center; Office of Academic Resources & IT
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[illegible]



Description:

(Please describe planning, implementation, monitoring and/or evaluation of all programs related to Transportation through the utilization of Information and Communication Technology (ICT). You can describe more related items if needed.)

Planning

Suratthani Rajabhat University (SRU), through the Office of Academic Resources and Information Technology, initiated the *SRU360 Mobile Application* to create a comprehensive digital platform that supports students, staff, and administrators. The planning stage involved needs analysis, system design, and collaboration with Krungthai Bank to integrate secure e-payment functions and existing university systems such as registration, finance, and personnel. The project was formally launched in January 2022 with a 30-month development timeline.



Implementation

SRU360 was developed in three phases. Phase 1 introduced core features such as digital ID cards, library access, news and event notifications, facility booking, fitness and wellness activities, and reward redemption. Phase 2 expanded to include e-payment for tuition and services, grade checking, timetables, and voting/surveys. **Phase 3 integrated campus transport routes** and direct links to essential student services (e.g., student loans, registration, Wi-Fi, central library). The system was built using React Native for mobile, Laravel and Java Spring Boot for backend, with MySQL, Oracle, and PostgreSQL databases hosted on AWS.

Monitoring

System monitoring is carried out jointly by SRU's Computer Center and Krungthai Bank. Monthly maintenance, regular audits, and backups are managed through AWS Aurora and Amazon RDS. Security is ensured through encryption, two-factor authentication, audit logs, and continuous updates. Daily active users (2,000–3,000) and system concurrency (up to 17,000 users) are tracked via Krungthai University CMS to ensure performance and reliability.

Evaluation

Evaluation focuses on adoption and user satisfaction. As of 2024, SRU360 recorded 14,975 active users with consistent daily usage, especially during peak university activities. Performance benchmarks (response time under 5 seconds) and user surveys confirm its role in improving communication, streamlining administrative processes, and enhancing engagement across the university. The project demonstrates SRU's progress toward becoming a digital university, reducing paperwork and duplication, and aligning with Thailand's Digital Transformation and SDG goals (notably SDG 3 and SDG 4).

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



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[5] Transportation (TR)

[5.19] Impact of Transportation programs in supporting the Sustainable Development Goals (SDGs)



Suratthani Rajabhat University

Description:

(Please describe Impact of Water Management programs in supporting the Sustainable Development Goals. You can describe more related items if needed.)

Suratthani Rajabhat University (SRU) implements a robust and integrated suite of transportation programs aimed at reducing its carbon footprint, enhancing campus mobility, and promoting public health. These initiatives demonstrate a strong commitment to several key Sustainable Development Goals (SDGs).

SRU's transportation programs have a direct and measurable impact on several SDGs, making the campus a more sustainable, inclusive, and healthier environment.



1. SDG 13: Climate Action

Impact: The adoption of the Zero Emission Vehicles (ZEV) Policy and the use of electric shuttle fleets directly reduce the consumption of fossil fuels and, consequently, lower the university's greenhouse gas emissions. By successfully shifting a significant number of commuters from private gasoline vehicles to electric public transport, SRU actively contributes to mitigating climate change.

2. SDG 11: Sustainable Cities and Communities

Impact: This is the most strongly supported goal. The programs improve the sustainability and liveability of the campus "community."

- Sustainable Transport: The free, real-time electric shuttle service provides an accessible and convenient form of sustainable public transportation.

- Urban Planning: The policy to limit parking areas for students frees up space that can be converted into green spaces and pedestrian zones, leading to a more aesthetically pleasing, walkable, and functional campus environment.

3. SDG 3: Good Health and Well-being

Impact: By reducing the volume of private vehicles, the university achieves two health benefits:

- Cleaner Air: Fewer private cars translate to improved air quality and reduced noise pollution on campus.

- Promoting Activity: Prioritizing pedestrian pathways and enhancing walkability, which is further supported by reduced on-campus traffic, encourages students and staff to choose walking and cycling, promoting physical health and well-being.

4. SDG 10: Reduced Inequalities

Impact: The Pedestrian Path Policy specifically ensures accessibility for all members of the community, including those with disabilities. The provision of ramps, guiding blocks, and well-maintained pathways makes campus navigation safer and easier for everyone, thereby promoting inclusivity and reducing barriers.

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



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[6] Education and Research (ED)

[6.1] Number of Courses/Subjects Related to Sustainability Offered

Faculty of Education	
Course title	Notes
Bachelor of Education	The courses focus on practical teaching skills development which relating to sustainability and have a strong focus on SDG 4 – Quality Education
Bachelor of Education Program in Elementary Education-Psychology and Guidance	
Faculty of Law	
Course title	Notes
Bachelor of Laws	This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 16 – Peace, justice and strong institutions
Faculty of Nursing	
Course title	Notes
Bachelor of Nursing Science	The courses focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 3 – Good health and well-being
Nursing Assistant Certificate Program	
Specialized Nursing Program in Emergency Nursing Specialty	
The International School of Tourism	
Course title	Notes
Bachelor of Business Administration Program in Hotel Management (International Program)	-
Bachelor of Arts Program in Hospitality Industry Management	-
Bachelor of Arts Program in Thai and International Culinary Arts	-
Faculty of Humanities and Social Sciences	
Course title	Notes
Bachelor of Fine and Applied Arts in Western Music	-
Bachelor of Fine and Applied Arts in Paint	-
Bachelor of Public Administration	This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 1 – No poverty
Bachelor of Arts Program in Cultural Management	This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 11 – Sustainable cities and communities
Bachelor of Arts Program in Information and Library Science	-
Faculty of Science and Technology	
Course title	Notes
Bachelor of Science Program in Mathematics	-
Bachelor of Science Program in Chemistry	-
Bachelor of Science Program in Biology	-
Bachelor of Science Program in Environment Science and Technology	This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 15 – Life on land
Bachelor of Science Program in Food innovation and nutrition	This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 3 – Good health and well-being
Bachelor of Science Program in Fishery Technology	This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 14 – Life below water
Bachelor of Science Program in Animal Science	This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 15 – Life on land
Bachelor of Science Program in Plant Science	This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 15 – Life on land
Bachelor of Science Program in Computer Science	-
Bachelor of Science Program in Disaster Management	This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 13 – Climate action
Bachelor of Science Program in Innovative Technology for Renewable Energy	This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 7 – Affordable and clean energy
Bachelor of Industrial Technology Program in Industrial Management Technology	This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 9 – Industry, innovation, and infrastructure
Bachelor of Science Program in Environmental Health	This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 3 – Good health and well-being
Faculty of Management Sciences	
Course title	Notes
Bachelor of Business Administration Program in Business Administration	-
Bachelor of Business Administration Program in Finance and Investment	-
Bachelor of Business Administration Program in Agribusiness	-
Bachelor of Business Administration Program in Food Business	-
Bachelor of Business Administration Program in Retail Business Management	-
Bachelor of Business Administration Program in Health and Aesthetic Business Management	-
Bachelor of Business Administration Program in Business Information System	-
Bachelor of Business Administration Program in Logistics Management	-
Bachelor of Economics Program in Digital Economy	-
Bachelor of Communication Arts Program in Communication Arts	-
Bachelor of Accountancy Program	-
Faculty of Science and Technology	
Course title	Notes
Bachelor of Science Program in Industrial Electrical Technology	This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 9 – Industry, innovation, and infrastructure
Bachelor of Science Program in Public Health	
Bachelor of Science Program in Digital Technology	This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 9 – Industry, innovation, and infrastructure
Graduate School	
Course title	Notes
Graduate Diploma Program in Teaching Profession	The courses focus on practical teaching skills development which relating to sustainability and have a strong focus on SDG 4 – Quality Education
Master of Education Program in Educational Administration	The courses focus on practical teaching skills development which relating to sustainability and have a strong focus on SDG 4 – Quality Education
Master of Education Program in Curriculum and Instruction	The courses focus on practical teaching skills development which relating to sustainability and have a strong focus on SDG 4 – Quality Education
Master of Law Program in Laws	This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 16 – Peace, justice and strong institutions
Master of Business Administration Program	-
Master of Political Science Program in Politics and Government	This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 16 – Peace, justice and strong institutions
Master of Art Program in Local Community Management	This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 11 – Sustainable cities and communities

Total Courses/Subjects Related to Sustainability (Suratthani Rajabhat University, Thailand)

Description:

Total number of courses with sustainability embedded for courses running in 2024: **29 courses**



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[6] Education and Research (ED)

[6.2] Total Number of Courses/Subjects Offered

Faculty of Education		Course title		Notes	
Bachelor of Education				The courses focus on practical teaching skills development which relating to sustainability and have a strong focus on SDG 4 – Quality Education	
Bachelor of Education Program in Elementary Education-Psychology and Guidance					
Faculty of Law		Course title		Notes	
Bachelor of Laws				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 16 – Peace, justice and strong institutions	
Faculty of Nursing		Course title		Notes	
Bachelor of Nursing Science				The courses focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 3 – Good health and well-being	
Nursing Assistant Certificate Program					
Specialized Nursing Program in Emergency Nursing Specialty					
The International School of Tourism		Course title		Notes	
Bachelor of Business Administration Program in Hotel Management (International Program)				-	
Bachelor of Arts Program in Hospitality Industry Management				-	
Bachelor of Arts Program in Thai and International Culinary Arts				-	
Faculty of Humanities and Social Sciences		Course title		Notes	
Bachelor of Fine and Applied Arts in Western Music				-	
Bachelor of Fine and Applied Arts in Paint				-	
Bachelor of Public Administration				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 1 – No poverty	
Bachelor of Arts Program in Cultural Management				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 11 – Sustainable cities and communities	
Bachelor of Arts Program in Information and Library Science				-	
Faculty of Science and Technology		Course title		Notes	
Bachelor of Science Program in Mathematics				-	
Bachelor of Science Program in Chemistry				-	
Bachelor of Science Program in Biology				-	
Bachelor of Science Program in Environment Science and Technology				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 15 – Life on land	
Bachelor of Science Program in Food innovation and nutrition				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 3 – Good health and well-being	
Bachelor of Science Program in Fishery Technology				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 14 – Life below water	
Bachelor of Science Program in Animal Science				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 15 – Life on land	
Bachelor of Science Program in Plant Science				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 15 – Life on land	
Bachelor of Science Program in Computer Science				-	
Bachelor of Science Program in Disaster Management				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 13 – Climate action	
Bachelor of Science Program in innovative Technology for Renewable Energy				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 7 – Affordable and clean energy	
Bachelor of Industrial Technology Program in Industrial Management Technology				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 9 – industry, innovation, and infrastructure	
Bachelor of Science Program in Environmental Health				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 3 – Good health and well-being	
Faculty of Management Sciences		Course title		Notes	
Bachelor of Arts Program in Chinese				-	
Bachelor of Arts Program in English				-	
Bachelor of Arts Program in Thai				-	
Bachelor of Arts Program in Community Development				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 11 – Sustainable cities and communities	
Bachelor of Arts Program in English for Careers				-	
Bachelor of Arts Program in Social innovation for Sustainable Development				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 11 – Sustainable cities and communities	
Bachelor of Political Science				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 16 – Peace, justice and strong institutions	
Faculty of Management Sciences		Course title		Notes	
Bachelor of Business Administration Program in Business Administration				-	
Bachelor of Business Administration Program in Finance and Investment				-	
Bachelor of Business Administration Program in Agribusiness				-	
Bachelor of Business Administration Program in Food Business				-	
Bachelor of Business Administration Program in Retail Business Management				-	
Bachelor of Business Administration Program in Health and Aesthetic Business Management				-	
Bachelor of Business Administration Program in Business information System				-	
Bachelor of Business Administration Program in Logistics Management				-	
Bachelor of Economics Program in Digital Economy				-	
Bachelor of Communication Arts Program in Communication Arts				-	
Bachelor of Accountancy Program				-	
Bachelor of Science Program in Industrial Electrical Technology		Course title		Notes	
				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 9 – industry, innovation, and infrastructure	
Bachelor of Science Program in Public Health				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 3 – Good health and well-being	
Bachelor of Science Program in Digital Technology				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 9 – industry, innovation, and infrastructure	
Graduate School		Course title		Notes	
Graduate Diploma Program in Teaching Profession				The courses focus on practical teaching skills development which relating to sustainability and have a strong focus on SDG 4 – Quality Education	
Master of Education Program in Educational Administration				The courses focus on practical teaching skills development which relating to sustainability and have a strong focus on SDG 4 – Quality Education	
Master of Education Program in Curriculum and Instruction				The courses focus on practical teaching skills development which relating to sustainability and have a strong focus on SDG 4 – Quality Education	
Master of Law Program in Laws				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 16 – Peace, justice and strong institutions	
Master of Business Administration Program				-	
Master of Political Science Program in Politics and Government				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 16 – Peace, justice and strong institutions	
Master of Art Program in Local Community Management				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 11 – Sustainable cities and communities	

Total Courses Offered in 2023-2024 (Suratthani Rajabhat University, Thailand)

Description:

Total number of courses offered in in 2023/24: 55 courses



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[6] Education and Research (ED)

[6.3] Total number of study program related to sustainability offered

Faculty of Education		Course title		Notes	
Bachelor of Education				The courses focus on practical teaching skills development which relating to sustainability and have a strong focus on SDG 4 – Quality Education	
Bachelor of Education Program in Elementary Education-Psychology and Guidance					
Faculty of Law		Course title		Notes	
Bachelor of Laws				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 16 – Peace, justice and strong institutions	
Faculty of Nursing		Course title		Notes	
Bachelor of Nursing Science				The courses focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 3 – Good health and well-being	
Nursing Assistant Certificate Program					
Specialized Nursing Program in Emergency Nursing Specialty					
The International School of Tourism		Course title		Notes	
Bachelor of Business Administration Program in Hotel Management (International Program)				-	
Bachelor of Arts Program in Hospitality Industry Management				-	
Bachelor of Arts Program in Thai and International Culinary Arts				-	
Faculty of Humanities and Social Sciences		Course title		Notes	
Bachelor of Fine and Applied Arts in Western Music				-	
Bachelor of Fine and Applied Arts in Paint				-	
Bachelor of Public Administration				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 1 – No poverty	
Bachelor of Arts Program in Cultural Management				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 11 – Sustainable cities and communities	
Bachelor of Arts Program in Information and Library Science				-	
Faculty of Science and Technology		Course title		Notes	
Bachelor of Science Program in Mathematics				-	
Bachelor of Science Program in Chemistry				-	
Bachelor of Science Program in Biology				-	
Bachelor of Science Program in Environment Science and Technology				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 15 – Life on land	
Bachelor of Science Program in Food Innovation and nutrition				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 3 – Good health and well-being	
Bachelor of Science Program in Fishery Technology				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 14 – Life below water	
Bachelor of Science Program in Animal Science				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 15 – Life on land	
Bachelor of Science Program in Plant Science				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 15 – Life on land	
Bachelor of Science Program in Computer Science				-	
Bachelor of Science Program in Disaster Management				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 13 – Climate action	
Bachelor of Science Program in Innovative Technology for Renewable Energy				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 7 – Affordable and clean energy	
Bachelor of Industrial Technology Program in Industrial Management Technology				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 9 – Industry, innovation, and infrastructure	
Bachelor of Science Program in Environmental Health				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 3 – Good health and well-being	
Faculty of Management Sciences		Course title		Notes	
Bachelor of Business Administration Program in Business Administration				-	
Bachelor of Business Administration Program in Finance and Investment				-	
Bachelor of Business Administration Program in Agribusiness				-	
Bachelor of Business Administration Program in Food Business				-	
Bachelor of Business Administration Program in Retail Business Management				-	
Bachelor of Business Administration Program in Health and Aesthetic Business Management				-	
Bachelor of Business Administration Program in Business Information System				-	
Bachelor of Business Administration Program in Logistics Management				-	
Bachelor of Economics Program in Digital Economy				-	
Bachelor of Communication Arts Program in Communication Arts				-	
Bachelor of Accountancy Program				-	
Bachelor of Science Program in Industrial Electrical Technology		Course title		Notes	
				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 9 – Industry, innovation, and infrastructure	
Bachelor of Science Program in Public Health				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 3 – Good health and well-being	
Bachelor of Science Program in Digital Technology				This course focus on practical Nursing skills development which relating to sustainability and have a strong focus on SDG 9 – Industry, innovation, and infrastructure	
Graduate School		Course title		Notes	
Graduate Diploma Program in Teaching Profession				The courses focus on practical teaching skills development which relating to sustainability and have a strong focus on SDG 4 – Quality Education	
Master of Education Program in Educational Administration				The courses focus on practical teaching skills development which relating to sustainability and have a strong focus on SDG 4 – Quality Education	
Master of Education Program in Curriculum and Instruction				The courses focus on practical teaching skills development which relating to sustainability and have a strong focus on SDG 4 – Quality Education	
Master of Law Program in Laws				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 16 – Peace, justice and strong institutions	
Master of Business Administration Program				-	
Master of Political Science Program in Politics and Government				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 16 – Peace, justice and strong institutions	
Master of Art Program in Local Community Management				This course focus on practical skills development which relating to sustainability and have a strong focus on SDG 11 – Sustainable cities and communities	

Number of study program related to sustainability offered (Suratthani Rajabhat University, Thailand)

Description:

Number of study program related to sustainability offered running in 2024: **29 courses**



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[6] Education and Research (ED)

[6.5] Total Research Funds Dedicated to Sustainability Research (in US Dollars)

CRITERIA	Year 2023	Year 2024	Year 2025
	Funds	Funds	Funds
Energy and Climate Change	18,814.26	36,113.09	107,890.68
Waste	14,984.81	8,288.93	89,578.83
Water	1,387.48	18,058.03	47,980.19
Transportation	0	2,072.23	11,960.55
Total	35,186.55	64,532.28	257,410.25

Total Sustainability Research Fund (Suratthani Rajabhat University, Thailand)

Description:

Total research fund dedicated to sustainability research in 2023 = 35,186.55 US Dollars

Total research fund dedicated to sustainability research in 2024 = 64,532.28 US Dollars

Total research fund dedicated to sustainability research in 2025 = 257,410.25 US Dollars

The averaged annum last 3 years of research fund dedicated to sustainability research = 119,043.03 USD

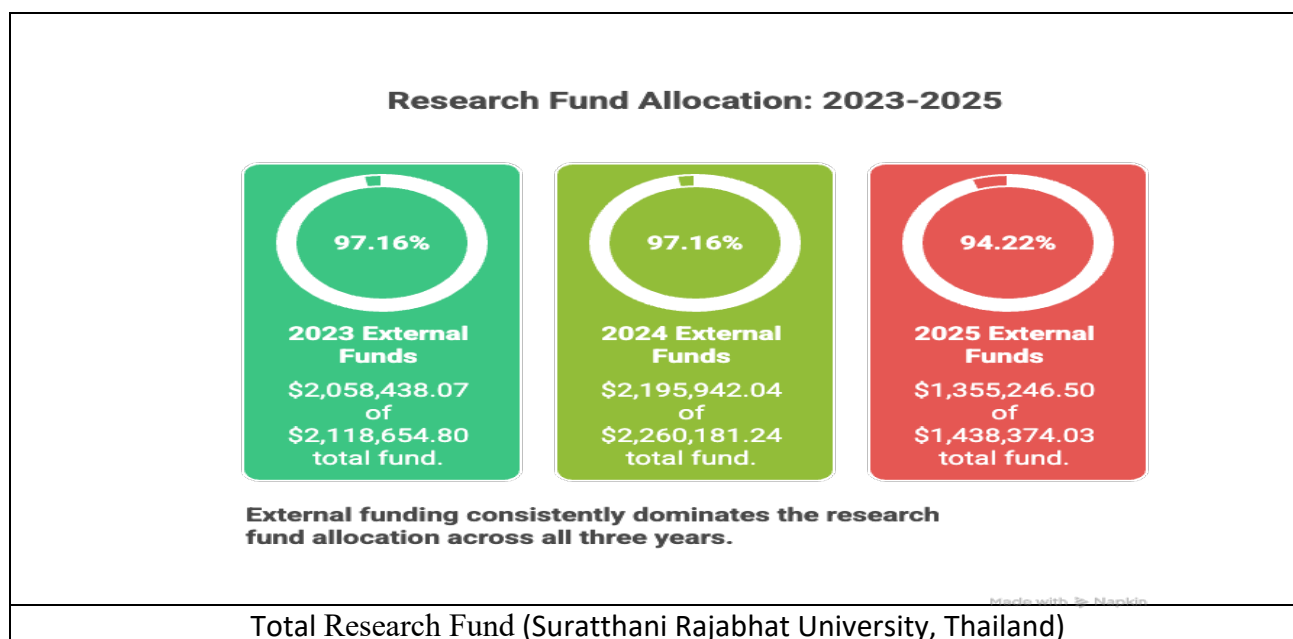


Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[6] Education and Research (ED)

[6.6] Total Research Funds (in US Dollars)



Description:

Total research fund in 2023 = 2,118,654.80 US Dollars

Total research fund in 2024 = 2,260,181.24 US Dollars

Total research fund in 2025 = 1,438,374.031 US Dollars

The averaged annum last 3 years of research fund = 1,939,070.02 US Dollars



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[6] Education and Research (ED)

[6.9] Number of scholarly publications on sustainability

Google Scholar search results for "suratthani rajabhat university" & green & sustainability. The search shows 77 results. The first five results are listed below.

Publication Title	Source
Integration of innovative waste management systems for sustainable development in Khun Thale: The SDG station model	[PDF] tci-thaijo.org
The Causal Effects of Future Intention through Perceived Event Impact, Happiness, and Event Participation of Local Residents toward Non-Mega Running Events in ...	[PDF] tci-thaijo.org
Implementation and Education of Circular Economy in Community Solid Waste Management: A Systematic Literature Review.	[PDF] ed.gov
Green solvent-based extraction of <i>Cannabis sativa</i> L. by-products: enhancing antioxidant potential and cannabinoid enrichment using MCT oil	[PDF] springer.com
[PDF] Alcohol Use and Environmental Factors: A Cross-Sectional Study Exploring Health Risks and Social Implications Among Migrant Workers	[PDF] preprints.org

Examples of scholarly publications on sustainability (Suratthani Rajabhat University, Thailand)

Description:

Total scholarly publications on sustainability in the academic year 2023-2025.
A total average per annum over the last 3 years of 77 publications.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[6] Education and Research (ED)

[6.11] Number of Events Related to Sustainability

	
Planting trees Project to sustainably preserve the forest's resources	The project on GO GO Bike
	
Agrivoltaic Farming Program	Zero waste project
Examples of Events Related to Sustainability (Suratthani Rajabhat University, Thailand)	

Description:

Example of events related to environment and sustainability hosted or organized by the University in the academic year 2023-2025.

Total number of sustainability/environment related events in:

2023: 209

2024: 197

2025: 281

A total average per annum over the last 3 years of 229 events



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[6] Education and Research (ED)

[6.12] Number of activities organized by student organizations related to sustainability per year



Description:

Total Number of activities organized by student organizations related to sustainability per year = 1 activity



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[6] Education and Research (ED)

[6.15] Sustainability Report

Description:

Complete text of Suratthani Rajabhat University Sustainability Report 2024
available on this link: <https://sustain.sru.ac.th/report/>



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[6] Education and Research (ED)

[6.17] Number of cultural activities on campus (e.g.Cultural Festival) including virtual activities (if any)



Examples of cultural activities on campus (Suratthani Rajabhat University, Thailand)

Description:

Total number cultural activities on campus organized by the University: 41 events



Template for Evidence(s) UI GreenMetric Questionnaire

University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[6] Education and Research (ED)

[6.18] Number of university sustainability program(s) with international collaborations



Zero waste UNDP

Example of Number of university sustainability program(s) with international collaborations
(Suratthani Rajabhat University, Thailand)

**Description:**

Total of number of university sustainability program(s) with international collaborations: 1 programs

"The Community Waste Bank Project: SDG Station" was developed by the United Nations Development Program (UNDP) in collaboration with Suratthani Rajabhat University. It was made possible by funding from The Government Savings Bank (GSB), Cargill (Thailand) co., and Thailand Policy Lab, with project consulting provided by Bright Management Consulting Company Limited. In order to evolve into a pilot project that addresses the Sustainable Development Goals, the project was started at the end of 2021 and began to record and gather information or project development from January 2022 to September 2023.



Template for Evidence(s) UI GreenMetric Questionnaire

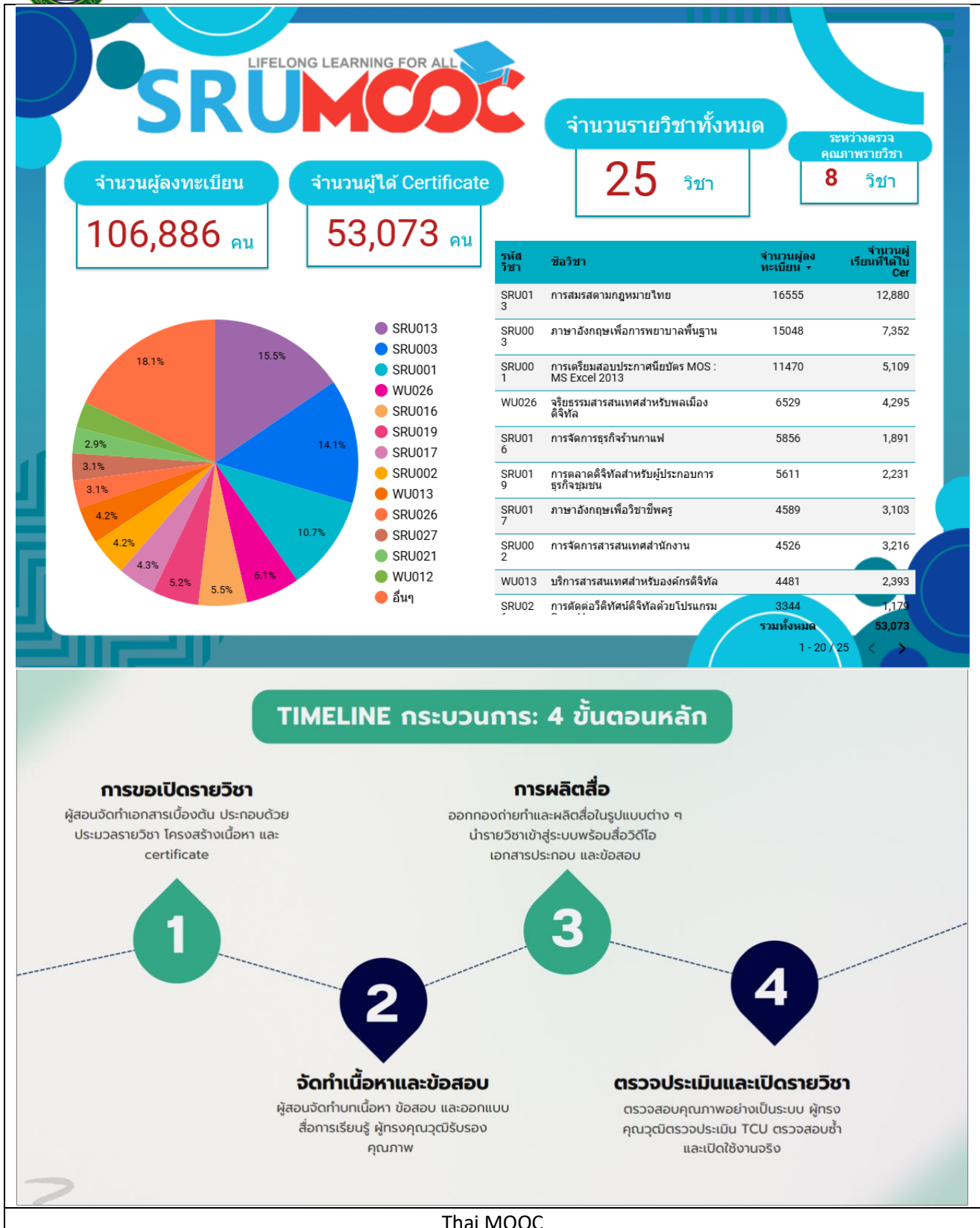
University : Suratthani Rajabhat University
Country : Thailand
Web Address : <https://sru.ac.th/>

[6] Education and Research (ED)

[6.25] Planning, implementation, monitoring and/or evaluation of university governance through the utilization of Information and Communication Technology (ICT)



Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Development of SRU MOOC as a microsite under Thai MOOC; design of courses, instructional plans, and credit transfer framework	Online instructional design platforms, content development tools, curriculum design templates	Course proposals, syllabi, instructional design documents, TCU guidelines	2018–2019 (initial design)	Office of Academic Resources and IT; SRU Innovation Center
Implementation	Production and launch of SRU MOOC courses across 12 subject areas; setup of New Media Studio and iNNO STU for content creation	Digital recording, video editing, Chroma key, e-learning platform (MOOC), LMS integration with Thai MOOC	Video lectures, digital course materials, microsite launch announcement, MoU with Thai MOOC	2019–2024 (phased rollout)	Office of Academic Resources and IT; Faculties
Monitoring	Quality assurance of each course (peer review, TCU evaluation, external expert validation)	Digital evaluation forms, online review system, quality assurance checklists	QA reports, expert review forms, TCU verification, course approval records	Ongoing (annual)	SRU Innovation Center; External QA bodies
Evaluation	Assessment of learner participation, completion rate, and satisfaction; integration into Pre-degree and blended learning model	Learning analytics, data dashboards, online survey tools, National Credit Bank system for credit accumulation and transfer	Learner statistics (106,000+ enrolled, 49.65% completion), survey summaries, Pre-degree credit transfer reports	2019–present (annual)	Office of Academic Resources and IT; Academic Affairs



Thai MOOC

Description:

(Please describe planning, implementation, monitoring and/or evaluation of university governance through the utilization of Information and Communication Technology (ICT). You can describe more related items if needed.)



Planning

Suratthani Rajabhat University (SRU), through the Office of Academic Resources and Information Technology, initiated the SRU MOOC project to expand lifelong learning opportunities and support digital transformation in education. The planning stage included designing courses, preparing syllabi, and developing a credit transfer framework that links with the National Credit Bank. Instructional design was guided by the standards of Thai MOOC and international MOOC benchmarks to ensure quality and relevance.

Implementation

The university produced and launched SRU MOOC as a microsite under Thai MOOC, beginning with four pilot courses and later expanding to 26 courses across 12 subject areas. Implementation included the establishment of the New Media Studio and iNNO STU with modern production facilities such as Chroma key, video recording, and live streaming. Faculty members received training and funding support to design and deliver MOOCs. Courses incorporated video lectures, interactive exercises, and certification systems, and were also linked to blended learning, flipped classrooms, and Pre-degree programmes.

Monitoring

Each course underwent a systematic quality assurance process, including peer review, validation by subject experts, and verification by Thai MOOC (TCU). Monitoring also involved reviewing course content, media quality, assessment items, and instructional design to meet established standards. Usage statistics, learner analytics, and participation records were continuously tracked to maintain course effectiveness and user accessibility.

Evaluation

Evaluation focused on measuring outcomes such as learner reach, completion rates, and satisfaction. By 2024, SRU MOOC had enrolled over 106,000 learners with a completion rate of 49.65%, and more than 53,000 certificates issued. Feedback from learners and instructors was collected through online surveys to inform course improvement. Results showed strong integration with SRU's curriculum, including Pre-degree programmes that allow learners to accumulate credits for formal study. The project demonstrated efficiency, cost-effectiveness, and social impact by reducing educational inequality and positioning SRU as a regional hub for digital lifelong learning.



The foundation of SRU's commitment rests on **SDG 4 (Quality Education)**. The university has proactively integrated sustainability across its curriculum, offering an average of **29 courses or modules** directly related to environment and sustainability, ensuring that students, regardless of their major, are exposed to key concepts and responsible practices. Crucially, SRU leverages technology to widen educational access, notably through the **SRU MOOC platform**, which utilizes Information and Communication Technology (ICT) to deliver high-quality, lifelong learning opportunities. This platform has reached over **106,000 learners**, reducing educational inequality and fulfilling the mandate for accessible learning (Target 4.3). Furthermore, the campus



culture is highly engaged, hosting an impressive average of **229 sustainability-related events per year**, which include practical activities like the planting of trees and the development of the Agrivoltaic Farming Program, alongside student-led initiatives like the **Zero Waste Project**.

Driving its practical impact is the university's dedication to **Research and Innovation (SDG 9)**. The intellectual output from these investments is significant, resulting in an average of **77 scholarly publications on sustainability** annually, which transfers specialized knowledge out of the laboratory and into the public domain to inform policy and practice (Target 9.5).

Finally, SRU embodies **SDG 17 (Partnerships for the Goals)** through its commitment to transparency and community involvement. The university publishes a comprehensive **Sustainability Report**, ensuring accountability and clear communication of its progress to the public and stakeholders.

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

Thank You



Website

<http://sru.ac.th/>



Location

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