



SWOT ANALYSIS MATRIX

Year: **2022**

Office/Unit: **RENEWABLE ENERGY RESEARCH CENTER**

(1) Key Area	PESTLE	(2) ACTIVITY/PROCESS	(4) STRENGTHS (S)	(5) WEAKNESSES (W)	(7) OPPORTUNITIES (O)	(8) THREATS (T)
Ensuring Research Relevance (G2, KRA1) Communication of Research Results (G2, KRA5)	POLITICAL	Publication of research outputs				
	ECONOMIC					RERC-22-T1 High competition and reduced funding for RDEI
	SOCIAL					
	TECHNOLOGICAL		RERC-22-S1 Through the years, the Center has conducted a number of RE-related researches and developed and /or promoted RE technologies	RERC-22-W1 The Center lacks laboratory facilities for the conduct of advanced RE researches in biofuels, bio-energy, and other RE-related technologies	RERC-22-O1 The Philippine Government is supporting RDE of RE Technologies through R.A. 9367-The Biofuel Act of 2006 and R.A. 9513-The Renewable Energy Act of 2008	
	LEGAL					
	ENVIRONMENTAL					
	Human Resource (Internal)		RERC-22-S2 Availability of regular faculty members with engineering and socio-economics background as	RERC-22-W2 The Center has no regular research staff.	RERC-22-O2 The two (2) existing Science Research Assistance (SRAs), who are registered AB Engineers, are very qualified to be given	RERC-22-T2 Transfer of the two (2) trained JO SRAs of the Center to other agencies

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			affiliate researchers of the Center		regular Science Research Specialist position	
				RERC-22-W3 RERC Director scheduled to retire from service in February 2022	RERC-22-O3 New RERC Director carrying new and innovative ideas	
					RERC-22-O4 Existence of R&D/ Human Resource Management Development (HRMD) policies and training on scientific writing in OVPREI	
	Operations (Internal)			RERC-22-W4 Heavy teaching workload of potential affiliate faculty researchers	RERC-22-O5 Promotion of faculty researchers through their publication output	
					RERC-22-O6 Existence of a duly accredited international scientific journal (Annals of Tropical Research) and an Institutional Journal (Science and Humanities Journal) in the Visayas State University	
				RERC-22-W5 Lack of portable equipment for field monitoring of installed RE facilities	RERC-22-O7 Opportunity to request laboratory tools and equipment from the university and other external funding agencies	

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	Financial (Internal)			RERC-22-W6 Delayed procurement process and processing of financial documents of RDE funds	RERC-22-O8 Funding for publication fee in ISI/Scopus Indexed Journal upon request to OVPREI	
	Marketing/Promotion		RERC-22-S3 Research paper published in reputable national and international journals			
Ensuring Research Relevance (G2, KRA1) Communication of Research Results (G2, KRA5)	POLITICAL	Utilization of research outputs by the industry or other beneficiary				
	ECONOMIC					
	SOCIAL					
	TECHNOLOGICAL					
	LEGAL					RERC-22-T3 Potential intellectual piracy of other SUCs with similar mandate
	ENVIRONMENTAL				RERC-22-O9 Several LGUs, NGOs, and private companies are looking for appropriate RE technologies that are viable alternative sources of energy for agri-industrial purposes	RERC-22-T4 Typhoons and other weather disturbances may damage the RE demonstration units in the RE Park
	Human Resource (Internal)					
Operations (Internal)		RERC-22-S4 The Center has established working models of RE				

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			technology models through is Energy Park as showcase prototypes			
	Financial (Internal)					
	Marketing/Promotion			RERC-22-W7 The Center has no experience in participating trade fairs/exhibits to promote RE technologies	RERC-22-O10 Several LGUs, NGOs, and private companies are looking for appropriate RE technologies that are viable alternative sources of energy for agri-industrial purposes	
Community Empowerment (G3, KRA2)	POLITICAL	Partnerships with Local Government Units (LGUs), industries, Non-Government Organizations (NGOs), National Government Agencies (NGAs), MSMEs and other stakeholders as a result of extension	RERC-22-S5 The Center has existing collaborations and working relationships with some LGUs NGOs, NGAs and other stakeholders which can be strengthened			
	ECONOMIC		RERC-22-S6 Presence of faculty members and researchers in VSU with diverse and relevant fields of expertise on RE			
	SOCIAL		RERC-22-S7 Well-established RE Park showcasing demonstration units for students, stakeholders, and			

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			other interested parties			
	TECHNOLOGICAL					
	LEGAL					
	ENVIRONMENTAL					RERC-22-T5 Constrained project implementation due to severe weather disturbances hindering the connection between two interested parties
	Human Resource (Internal)			RERC-22-W8 Limited manpower. The Center has no regular research staff, one (1) permanent administrative staff, and SRAs are on Job Order status		
	Operations (Internal)				RERC-22-O11 Emerging development needs on renewable energy and interests of LGUs, industries, NGOs, NGAs, MSME and other stakeholders in this period of pandemic and climate change	
	Financial (Internal)					
	Marketing/Promotion					
Capability Development (G2, KRA4)	POLITICAL	Conduct of trainings and provisions of advisory service				
	ECONOMIC					
	SOCIAL					

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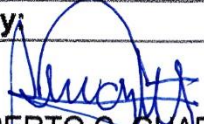
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Enhanced capacities of faculty, staff and students to engage in extension (G3, KRA1) Community Empowerment (G3, KRA2)	TECHNOLOGICAL		RERC-22-S8 Availability of training facility with adequate equipment and technology			
	LEGAL					
	ENVIRONMENTAL			RERCC-22-W9 Limited space for face-to-face training		
	Human Resource (Internal)					
	Operations (Internal)			RERCC-22-W10 No internet connectivity for online trainings and webinars		
	Financial (Internal)					
Communication of Research Results (G2, KRA5) Enhanced capacities of faculty, staff and students to engage in extension (G3, KRA1) Community Empowerment (G3, KRA2)	POLITICAL	Delivery of extension programs consistent with the SUC's mandate and priority programs				RERC-22-T6 High competition and reduced funding for RDEI
	ECONOMIC					
	SOCIAL					
	TECHNOLOGICAL					
	LEGAL					
	ENVIRONMENTAL					
	Human Resource (Internal)		RERC-22-S9 Availability of faculty members and researchers in VSU which can be tapped for extension	RERC-22-W11 There is no regular research staff in the Center		

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			programs and services			
	Operations (Internal)		RERC-22-S10 Operational RE Park, an extension program aligned with the VSU's mandate and priority programs	RERC-22-W12 Lack of digital media facilities and equipment	RERC-22-O12 VSU is focused on providing Internet connectivity to all its campuses	
					RERC-22-O13 Internet infrastructure of the country is a priority program of the Department of Information and Communications Technology (DICT)	
	Financial (Internal)					
	Marketing/Promotion					

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