



VISAYAS
STATE UNIVERSITY



**DEPARTMENT OF PURE AND APPLIED
CHEMISTRY**
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SWOT ANALYSIS MATRIX

Year: 2022

Office/Unit: DEPARTMENT OF PURE AND APPLIED CHEMISTRY

Key Result Area	PESTLE	#	ACTIVITY/ PROCESS	STRENGTHS (S)	WEAKNESSES (W)	OPPORTUNITIES (O)	THREATS (T)
Curriculum Development	Economic	A1	Admission and Enrollment	DoPAC-19-S1 Online enrolment is supported by fiber optics cabling for better or faster internet connectivity in the main campus DoPAC-21-S1 A fully online enrolment system is in place			
	Social	A2	Curricular Design and Redesign	DoPAC-22-S1 Most faculty members are licensed chemists and some are exposed to industries	DoPAC-21-W7 Attendance/participation of VSU students in scientific and academic fora is quite low DoPAC-21-W16 Some faculty members in research units have a low workload including teaching	DoPAC-22-O1 Bench-marking and collaboration on curricular design with a high-ranking institution	DoPAC-22-T3 Greener pastures in other SUCs

Vision:
Mission:

A globally competitive university for science, technology, and environmental conservation.
Development of a highly competitive human resource, cutting-edge scientific knowledge and innovative technologies for sustainable communities and environment.

			DoPAC-19-S24 Students are able to access their grades online through their student portal. DoPAC-22-S2 VSU has a functional Learning Management System (VSUEE Moodle) DoPAC-22-S3 The plagiarism checker Turnitin is embedded in the learning management system DoPAC-22-S6 Faculty with a good internet connection can conduct online classes at their home	DoPAC-22-W2 Difficulty of delivering and accessing online learning due to effects of typhoon Odette DoPAC-22-W6 Poor to no internet connection and intermittent power outage DoPAC-22-W7 Difficulty of conducting laboratory exercises through virtual classes	DoPAC-21-O1 Availability of technology for flexible and online teaching-learning modalities DoPAC-19-O8 Availability of scholarships offered by CHED, DOST, and other agencies for faculty to pursue graduate studies within the Philippines or abroad DoPAC-22-O2 Administration can request internet service providers to speed up internet connectivity DoPAC-22-O3 Creation of unit devoted to instructional materials (demo videos, virtual lab, interactive presentation and etc.) development DoPAC-22-O4 Funding from CHED/DOST and sponsorships from private institutions	Some students in severely hit (typhoon Odette) affected areas may not enroll or stop schooling Students will have difficulty with online enrollment due to typhoon Odette DoPAC-22-T4 Other SUCs have a better internet connection
	Social		DoPAC-22-S7 Faculty can multitask	DoPAC-22-W3 Overlapping of meetings affecting the conduct of classes		

	Economic	A4	Monitoring, Analysis, and Evaluation of Student, Faculty and Graduate Performance	DoPAC-19-S13 VSU has a vibrant Faculty Development Program providing faculty and staff opportunities to attend symposia and training, present papers in national and international conferences, and pursue graduate studies in reputable universities here or abroad		DoPAC-19-O11 Availability of externally-sponsored seminars, training, and conferences to enhance teaching performance DoPAC-22-O5 Third-party analysis of thesis samples is allowed	DoPAC-22-T5 Some of the faculty members who are on study leave cannot graduate on time due to pandemic DoPAC-22-T6 Students cannot graduate on time due to pandemic
	Legal			DoPAC-22-S8 Most faculty members are licensed chemists and some are exposed to industries	DoPAC-21-W23 Lack of industry exposure/immersion of some faculty teaching in the technical curricular programs CHED CMO (BSCS, BSTM, BSHM, Engineering degree programs, BSFT		
Student Mobility	Economic	A1	Admission and Enrollment				DoPAC-19-O5 More potential international collaborations
	Legal						

Quality Assurance	Legal	A2	Curricular Design and Redesign	DoPAC-19-S6 Two programs have international certification (Washington Accord) DoPAC-21-S2 Two programs are recognized by CHED as Center of Excellence (COE) and one program as Center of Development (COD), and many programs are now eligible to apply for CHED COE or COD DoPAC-21-S3 VSU has been awarded 3 stars in the International QS Stars ratings DoPAC-21-S9 VSU is Level IV institutionally accredited by AACUP DoPAC-21-S10 VSU is ISO 2001:2015 certified DoPAC-21-S11 The Bachelor of Science in Nursing graduates consistently obtained 100% licensure exam passing in the last 4 years DoPAC-21-S13 VSU has been awarded SUC Level IV by CHED DoPAC-22-S11 A 100 % passing rate on the Chemical Technician Licensure Exam	DoPAC-22-W4 Some programs do not have COPC yet DoPAC-22-W5 Performance in the licensure examination (first-time takers) is below the national passing percentage in some programs DoPAC-22-W9 No approved admission and intervention guidelines DoPAC-22-W10 No bridging Chemistry courses for non-STEM students taking BS Chemistry program DoPAC-22-W11 BS Chem program does not have a COPC yet	DoPAC-22-T8 No available COPC yet
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	Social	A3	Curricular Program Delivery, Administration, and Management	DoPAC-22-S12 Following ISO forms and documents	DoPAC-22-W12 Late submission of some important documents from department to the pertinent offices		DoPAC-22-T9 Limited CHED/DOST budget allocation for undergraduate student engagement in scientific fora
Support to students	Economic	A2	Curricular Design and Redesign	DoPAC-21-S5 VSU is granting graduate scholarships for honor graduates of the university (10 MS) DoPAC-21-S6 VSU is granting teaching and research assistantships for local students DoPAC-21-S7 VSU is a recognized delivering HEI for undergraduate scholarships by DOST-SEI, DA-Biotech, DoPAC-21-S8 VSU is a recognized delivering HEI for graduate scholarships (masters' and doctorate) by DOST-ASTHRDP-NSC (average of 50 slots/year), CHED-FDP, CHED K-12, CHED-Scholarship for Instructors' Knowledge Advancement Program (SIKAP) DoPAC-22-S13 Some student's research is partially funded	DoPAC-21-W7 Attendance/participation of VSU students in scientific and academic fora is low DoPAC-22-W13 Limited VSU budget allocation for student engagement in scientific fora and in research	DoPAC-19-O8 Availability of scholarships offered by CHED, DOST, and other agencies for faculty to pursue graduate studies within the Philippines or abroad DoPAC-19-O12 Increased financial and other forms of student support from alumni and other generous individuals and organizations	

Ensuring Research Relevance	Economic	A4	Monitoring, Analysis, and Evaluation of Student, Faculty and Graduate Performance	DoPAC-22-S3 The university has strong research programs in agriculture, forestry, and allied fields DoPAC-22-S14 DoPAC faculty members are capable of conducting research	DoPAC-21-W21 Some faculty are not involved in research DoPAC-21-W22 Some faculty are unable to publish in international peer-reviewed journals DoPAC-21-W23 University budget allocation for research is low DoPAC-22-W14 A very limited number of proposals submitted and need skills retraining	DoPAC-22-O6 Attendance to externally sponsored workshop and workshop on research proposal writing and publishing		
ICT For Productivity	Technological	A1	Admission and Enrollment	DoPAC-21-S1 Fully online enrolment system			DoPAC-21-T5 Poor or weak internet connectivity of some students and faculty, especially those from remote areas	
	Political					DoPAC-19-O2 A possible implementation of the government's program to provide free public wi-fi internet which could reduce cost		
	Environmental						DoPAC-19-T1 Occurrence of natural calamities that could damage electrical and internet infrastructure	

	Environmental	A4	Monitoring, Analysis, and Evaluation of Student, Faculty and Graduate Performance	DoPAC-22-S4 Fully online Teaching Performance Evaluation by Students (TPES) system DoPAC-22-S5 Fully functional Learning Management System, the VSUEE			
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