

VISAYAS STATE UNIVERSITY

List of Equipment

Tier 1

Code	Paticulars	Location	Quantity	Unit Cost	Amount	Remarks/Justification
	Machinery and Equipment Outlay					
	Office Equipment					
	a.) Information and Communication Technology				3,190,000.00	
	All-in-One Desktop Core i7 - 16 GB Ram	CME	9	75,000.00	675,000.00	
	Laptop-Core i5 or i7	DFS	3	50,000.00	150,000.00	For Faculty use
	Alternative internet connectivity	Villaba -College of Agricultural Sciences and College of Teacher Education Arts and Sciences	1	100,000.00	100,000.00	To continue activities that need internet connectivity so that transactions will not be pending especially if GLOBE connectivity is slow or down.
	Computer sets	Villaba -Computer room/MIST	8	50,000.00	400,000.00	Under the new curriculum, all students both from the College of Agricultural Sciences and College of Teacher Education, Arts and Sciences will take up the course Living in the IT Era (Itec 11). With these facilities, all students taking up the different programs offered by VSU Villaba will be benefitted. They will be able to do hands on activities from the basic encoding using Word programs and even up to making their power point presentations, and encoding their thesis. Graduates of VSU Villaba will learn additional skills in the use of computer; they will be globally competitive graduates and alumni.
	Desktop Computers	VSU Isabel	2 UNIT	190,000.00	380,000.00	
	Specifications					
	➤ M3 chip with 8-core CPU with 4 performance cores and 4 efficiency cores, 10-core GPU, and 16-core Neural Engine					
	➤ 256GB SSD storage					
	➤ 8GB unified memory					

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	➤ Two Thunderbolt/USB 4 ports					
	➤ Two USB 3 ports					
	➤ Gigabit Ethernet; Magic mouse					
	➤ Magic Keyboard with Touch ID – US English					
	➤ With Printer (Wi-Fi ready printer)					
	➤ With AVR and UPS					
	➤ Inclusive with DSLR Camera for Video Conferencing with Heavy-duty Tripod					
	➤ With Licensed Software (MS Word, Adobe Product and OS)					
	Smart Tablets	VSU Isabel	15 UNIT	60,000.00	825,000.00	
	Specifications:					
	➤ 10.9-inch (diagonal)LED backlit Multi Touch display wit IPS technology					
	➤ 2360-by-1640-pixel resolution at 264 pixels per inch (ppi)					
	➤ True Tone display; 500 nits brightness					
	➤ Fingerprint-resistant oleo phobic coating.					
	➤ Support Apple Pencil; (USB-C)					
	➤ Supports Apple Pencil (1 st generation)					
	➤ In complete accessories (charger cord/charger adaptor and tablet case protector)					
	With Licensed OS for Tablet					
	Smart Television	VSU Isabel	1	210,000.00	210,000.00	
	Specifications:					
	• With Quantum Technology					
	• With angle bar and wall mounted spare parts					
	• Complete installation and accessories					
	• 65 inches TV; Neural Quantum Processor 4k					
	• Dolby Atmos					
	• Smart Hub TV					
	With Camera for Video Conferencing					
	Interactive Whiteboard	VSU Isabel	1 UNIT	200,000.00	200,000.00	
	Specifications:					
	• Screen Size 65"Panel Technology					
	• IPS Back Light Type DirectAspect					
	• Ratio 16:9					
	• Native Resolution 3,840 x 2,160 UHD)					

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	• Refresh Rate: 60 Hz					
	• Brightness 390 nit (w/o Glass, Typ.)					
	• Contrast Ratio 1,200:1					
	• Color gamut NTSC 68%					
	• Viewing Angle (H x V) 178 x 178					
	• Color Depth 10bit, 1.07					
	• Billion colors and					
	• Response Time 8ms(G to G)					
	• Surface Treatment (Haze) & Anti-Glare 7H(Mohs)					
	• Life time 30,000 Hrs (Min.)					
	• Operation Hours (Hours/Day)					
	• 16/7Portrait/Landscape					
	Interactive and Digital Podium	VSU Isabel	1 SET	250, 000.00	250,000.00	
	Specifications					
	• 22" LCD Tablet Monitor AHALTM-222WD (Dual Touch)					
	• LCD Resolution 1920 x 1080 (FULL HD)					
	• View Area 477 (H) x 268 (V) mm-22 inch					
	• Luminance, White 250 cd/m ²					
	• Contrast Ratio 1000:1 (typ.)					
	• Viewing Angle 160° (H/V)					
	• Lamp Lifetime 20,000 Hrs (min)					
	• Podium Sixe Top + Body Metal					
	• Monitor 22" Wide (16:9) Tablet & Touch Monitor					
	• Integrated Controller Laptop Interface (HDMI)					
	• Microphone Gooseneck					
	• PC Intel i3 + SSD 128GB + 8G Memory					
	• Speaker 60W (30W x 2EA)					
	• Actuator UP and Down Auto control adjustment					
	• Drawing S/W (PK Chalk Box) Writing & Drawing & Recording & Capture					

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	<ul style="list-style-type: none"> WHDMI (PK-WDR1) Wireless HDMI Tool (Transmitter + Receiver) 					
b.) Office Equipment					430,000.00	
	Photocopier machine	DAS	1	50,000.00	50,000.00	For admin and faculty use
	Floor Mounted Inverter Air conditioner	DBS	1	140,000	140,000.00	DBS is a recipient of equipment for the smart room. DBS 101 is identified to house such equipment hence needs to be refurbished.
	Photocopier/Risograph	DTHM	1	100,000.00	100,000.00	
	Aircon Cabinet type	DTHM	1	140,000.00	140,000.00	
c.) Technical and Scientific Equipment					16,245,000.00	
	Combine Refregirator and Freezer	DAS	1	50,000.00	50,000.00	for anatomy & physio lab
	Feed Mixer	DAS	1	50,000.00	50,000.00	for feed lab
	Feed Pelletizer Machine	DAS	1	50,000.00	50,000.00	for feed lab
	Feed Hammer Mill	DAS	1	50,000.00	50,000.00	for feed lab
	Portable Ultrasound Machine	DAS	1	50,000.00	50,000.00	for small ruminant lab
	Veterinary Digital X-ray and Accessories	CVM	1	2,000,000.00	2,000,000.00	CVM Evaluation Compliance (CHED-PRC and BAI Accreditation)
	Electric Compound Light Microscope with lens camera attached to a TV Monitor	DPM	1	200,000	200,000.00	
	PCR Thermal Cycler	DPM	1	600,000	600,000.00	
	Refrigerated Centrifuged	DPM	1	600,000	600,000.00	
	Gel Documentation System	DPM	1	500,000	500,000.00	
	Gel Electrophoresis Set-up	DPM	1	300,000	300,000.00	
	Ultra Low Freezer (-21 C)	DPM	1	250,000	250,000.00	
	DIGESTION UNIT (20 sample capacity)	DSS	1	3,674,000.00	3,674,000.00	
	Light meter sensor LI-250A Quantum 46142	DFS	1	55,000.00	55,000.00	Damaged need replacement/ For data collection
	Li-Cor Plant Canopy Analyzer LAI-2200C	DFS	1	950,000.00	950,000.00	For data collection
	Lens-EF100-400mm f/4.5-5.6L IS II USM	DFS	1	170,000.00	170,000.00	For Wildlife use/Collection
	CI-340 Handheld Photosynthesis System	Dept. of Horticulture	1	3,000,000.00	3,000,000.00	
	Biodrop/Nanodrop	DBS	1	1,000,000.00	1,000,000.00	

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	Russian Peat Borer/Corer	DBS	1	240,000	240,000.00	For use in instruction and research. Many students/researchers in the department study sediments but no available equipment can be used. Most of the time we just improvise
	Multiparameter meter	DBS	1	150,000	150,000.00	Many students and faculty members need the said equipment for classes, thesis, and research purposes. This is one of the most in-demand equipment by the students and faculty members.
	Autoclave	DBS	1	365,000	365,000.00	Currently, we do not have an autoclave which is very useful for our Microbiology classes (including those for other courses like BS Food Technology) and research activities
	Laboratory Oven	DA	1	250000.00	250000.00	
	Seed/Grain Moisture Meter	DA	1	76000.00	76000.00	
	Analytical Balance	DA	1	50000.00	50000.00	
	Chlorophyll meter	DA	1	50000.00	50000.00	
	Leaf Area Meter	DA	1	200000.00	200000.00	
	Purity Work Board	DA	1	100000.00	100000.00	
	Hygrometer	DA	1	100000.00	100000.00	
	Germination Dual Chamber	DA	1	165000.00	165000.00	
	Eggshell thickness gauge	Villaba-College of Agricultural Sciences and CTEAS	1	50,000.00	50,000.00	This will be used by the students in their laboratory exercises and thesis researches.
	Electric debeaker	Villaba-College of Agricultural Sciences	1	50,000.00	50,000.00	This will be used by the students in their laboratory exercises and thesis researches.
	Feed pelletizer	Villaba-CAS and CTEAS	1	50,000.00	50,000.00	This will be used by the students in their laboratory exercises and thesis researches.
	Digital yolk fan	Villaba-CAS and CTEAS	1	50,000.00	50,000.00	This will be used by the students in their laboratory exercises and thesis researches.
	Defeathering machine or plucker	Villaba-CAS and CTEAS	1	50,000.00	50,000.00	This will be used by the students in their laboratory exercises and thesis researches.
	Misting chamber	Villaba-CAS and CTEAS	1	50,000.00	50,000.00	This will be used by the students in their laboratory exercises and thesis researches.

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	Leaf area meter	Villaba-CAS and CTEAS	1	50,000.00	50,000.00	This will be used by the students in their laboratory exercises and thesis researches.
	Diesel Generator sets (3-phase)	Villaba-College of Agricultural Sciences and College of Teacher Education Arts and Sciences	1	300,000.00	300,000.00	Villaba used to have power supply interruptions, generator set is very much useful to maintain power supply in the entire campus and to continue activities in research laboratories, classes and data and document processing in different offices. To sustain power supply during important events in the campus.
	Transformers and accessories	Villaba-College of Agricultural Sciences	1	300,000.00	300,000.00	Crop science and Animal Science laboratory buildings house several equipment but they cannot be made operational for students' use since there are no separate transformers.
d.) Communication Equipment					135,000.00	
	Multifunction Speakers	VSU Isabel	1	70,000.00	70,000.00	
	Specifications:					
	➤ Output power (W) 240; Dynamic frequency response range (Hz)45 Hz (-6-Db)					
	➤ Dimensions (in) 27 x 68.8 x36.8					
	➤ Weight (kgs) 17.42					
	➤ Weight (lbs) 38.4					
	➤ Bluetooth profile A2DP 1.3 AVRCP 1.6					
	➤ Bluetooth frequency 2.4 – 2.48GHz					
	➤ Bluetooth transmitted modulation GFSK, $\pi/4$ DQPSK,8DPSK					
	➤ Bluetooth transmitter power 15dBm (EIRP)					
	➤ Bluetooth version 5.1					
	➤ Karaoke function – Yes					
	➤ Lightshow – Yes					
	➤ Splashproof – Yes					
	➤ IP Code - IPX4					
	➤ Charging cable – Yes					
	➤ 3.5 mm audio cable Input Yes					
	➤ True Wireless Yes					
	➤ Wireless Yes					
	➤ Rechargeable battery Yes					
	Bluetooth Yes					
	Wireless Microphone Unit	VSU Isabel	1	65,000.00	65,000.00	
	Specifications:					
	• Wireless microphone system and set					

Code	Paticulars	Location	Quantity	Unit Cost	Amount	Remarks/Justification
	• Distance between transmitter and receiver: 10m to 20m					
	• Polar pattern Cardioid					
	• Frequency response 65 Hz-15kHz					
	• Signal-to-Noise (S/N) ratio:60 Db					
	• UHF frequency band:470-960MHz(depends on SKU)(EU 657-662MHz)					
	• THD:0.5%, typical					
	• Dynamic range:100 dB A-weighted, typical					
	• Transmitter transmitting power:<10 mW, typical					
	• Receiver input:1/4"(6.3 mm) unbalanced					
	• Receiver maximum Output Level:-13dBV,typical					
	• Receiver rechargeable Battery:Lithium-ion Polymer 3.7WH(Equivalent to 3.7V, 1000mAh)					
	• Receiver charge time :2 hours @5V/1A					
	• Receiver battery Playtime:Up to 6 hours					
	• Microphone battery 4 x AA alkaline (included)					
	2 microphones as package unit					
				TOTAL	20,000,000.00	

SUMMARY PER ACCOUNT TITLE

PARTICULARS	INFORMATION AND COMMUNICATION TECHNOLOGY EQUIPMENT	OFFICE EQUIPMENT	TECHNICAL AND SCIENTIFIC EQUIPMENT	COMMUNICATION	TOTAL
CME	675,000.00				675,000.00
CVM			2,000,000.00		2,000,000.00
DA			991,000.00		991,000.00
DAS		50,000.00	250,000.00		300,000.00
DBS		140,000.00	1,755,000.00		1,895,000.00
Dept. of Horticulture			3,000,000.00		3,000,000.00
DFS	150,000.00		1,175,000.00		1,325,000.00
DPM			2,450,000.00		2,450,000.00
DSS			3,674,000.00		3,674,000.00
DTHM		240,000.00			240,000.00
Villaba	500,000.00		950,000.00		1,450,000.00
VSU Isabel	1,865,000.00			135,000.00	2,000,000.00

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	GRAND TOTAL	3,190,000.00	430,000.00	16,245,000.00	135,000.00	20,000,000.00

Consolidated by:

Reviewed by:

NELSIE S. MONDAL
Administrative Aide VI
Date: Feb. 29, 2024

BEATRIZ S. BELONIAS
VP, Academic Affairs
Date: Feb. 29, 2024