



## EXTENSION PROPOSAL

### I. BASIC INFORMATION

**Program/Project Title:**

**Natural Resource Management-Based Extension Program (VSU Nature Park)**

**Phase III:** *Development of VSU Nature Park as a Learning Site on Sustainable Agriculture and Natural Resource Management and Empowerment of Local Stakeholders through Capacity Building and Biodiversity Conservation*

**Proponents:**

**Project Leader**

- ✓ Name: Ms. Kleer Jeann G. Longatang
- ✓ Designation: Instructor
- ✓ Unit/Office: Institute of Tropical Ecology and Environmental Management
- ✓ Contact Number: 09507528084
- ✓ Email Address: [kleerjeann.longatang@vsu.edu.ph](mailto:kleerjeann.longatang@vsu.edu.ph)

**Component Leaders**

- ✓ Name: Dr. Marlito M. Bande (**Component 1**)
- ✓ Designation: Associate Professor
- ✓ Unit/Office: Zonal Center for Biodiversity Conservation and Habitat Restoration
- ✓ Contact Number: 09462247500
- ✓ Email Address: [marlitojose.bande@vsu.edu.ph](mailto:marlitojose.bande@vsu.edu.ph)

- ✓ Name: Ms. Angelita B. Orias and (**Component 2**)
- ✓ Designation: Instructor
- ✓ Unit/Office: Institute of Tropical Ecology and Environmental Management
- ✓ Contact Number: 09126944306
- ✓ Email Address: [angelita.orias@vsu.edu.ph](mailto:angelita.orias@vsu.edu.ph)

- ✓ Name: Ms. Kleer Jeann G. Longatang (**Component 3**)
- ✓ Designation: Instructor
- ✓ Unit/Office: Institute of Tropical Ecology and Environmental Management
- ✓ Contact Number: 09507528084
- ✓ Email Address: [kleerjeann.longatang@vsu.edu.ph](mailto:kleerjeann.longatang@vsu.edu.ph)

- ✓ Name: Dr. Guiraldo C. Fernandez (**Component 4**)
- ✓ Designation: Professor
- ✓ Unit/Office: Department of Philosophy and Social Sciences
- ✓ Contact Number: 09224009161

- ✓ Email Address: [guiraldo.fernandez@vsu.edu.ph](mailto:guiraldo.fernandez@vsu.edu.ph)

**Project Staff/Member(s):**

- ✓ Name: Juliet F. Oquias
- ✓ Nature of Involvement: Laborer
- ✓ Unit/Office: Institute of Tropical Ecology and Environmental Management (ITEEM)
- ✓ Contact Number: +63 53 563-7497 / 7726 // 565-0600 (1052)
- ✓ Email Address: N/A

**Implementing Unit:** Terrestrial Ecosystems Division, Institute of Tropical Ecology and Environmental Management

**Collaborating Units/Agencies:**

- ✓ Name of Agency: Terrestrial Ecosystems Division, Institute of Tropical Ecology and Environmental Management
- ✓ Collaborating Agencies: Barangays Pangasugan, Guadalupe and Patag
- ✓ Nature of Involvement: Logistics and counterpart
- ✓ Address: Visca, Baybay City, Leyte
- ✓ Contact Number: +63 53 563-7497 / 7726 // 565-0600 (1052)
- ✓ Email Address: [iteem@vsu.edu.ph](mailto:iteem@vsu.edu.ph)

**Development Thematic Area:**

- ☒ Agricultural Science and Technology-based Livelihood/Entrepreneurship
- ☐ Basic Education and Cultural Development
- ☐ Health and Nutrition
- ☒ Environment and Natural Resources
- ☐ Local Governance
- ☐ Rural Infrastructure and Energy
- ☐ Certified Skills Development
- ☒ DRRM & Climate Change

**Project Site(s):** VSU Main Campus (Proclamation 64 and Lot. No. 7238)

**Duration:** 1 year (continuing)

**Proposed Budget:** Php 332,248.00

## **II. TECHNICAL INFORMATION**

### **A. Rationale**

Visayas State University Nature Park offers more to its visitors; a group of faculty and staff had organized and agreed to develop the Natural Resource Management-Based Extension Program that would be not only to the institution and domestic and foreign visitors but also to the local residents, the City of Baybay and its neighboring communities. Hence, the move to develop VSU as an adventure destination and nature park could enhance VSU's image as one of the premier universities concerned

with nature conservation. It would also put Eastern Visayas on the map as an active leader in nature conservation and sustainable development.

Pangasugan offers rich faunal reserves of study materials in natural history for students and professional researchers. The lessons from nature's ways of managing itself could provide a lasting impression that will guide students and researchers in their future work. Their close encounter with nature could result in better insights and attitudes and a better appreciation of our natural heritage. The experience could make them future advocates of sustainable development.

The VSU Nature Park as a learning site would be instrumental in developing awareness and educating our people (i.e., VSU's faculty and staff and the surrounding communities), especially the youth (i.e., Senior high school students, VSU students), on preserving our natural resources. In addition, the need to go to natural forests outside the University for academic exercises and student research would be reduced. Furthermore, the VSU Nature Park's establishment could greatly influence local residents' support for preserving the remaining forest in the Mt. Pangasugan range.

## **B. Objectives**

1. To assess and design the VSU Nature Park as a learning site.
2. To register and accredit the VSU Nature Park as a learning site to LGU, DTI, DENR, DA-ATI, TESDA, and DepEd.
3. To empower and capacitate the local stakeholders (faculty, staff, students of Visayas State University, senior high school students, out-of-school youth, farmers, LGU and NGO technicians, and visitors in the conservation and sustainable utilization and management of the natural resources of Mt. Pangasugan Mountain Range.
4. To develop learning methodologies that will support environmental consciousness for Out of School Youth and Senior Highschool faculty and Students of Baybay City Division of the Department of Education

## **C. Major Components (if any)**

**Component 1:** Biodiversity Assessment, Maintenance, Monitoring and Evaluation of the Existing Component Features of VSU Nature Park

**Component 2:** Registration and Accreditation of *VSU Nature Park* as a Learning Site to Local and National Government Agencies

**Component 3:** Environmental Education and Advocacy of Local Stakeholders through Capacity Building and Cross-Site Visits to VSU Nature Park

**Component 4:** Environmental Consciousness Drive for Out-of-School Youth and Senior Highschool Faculty and Students of Baybay City Division of the Department of Education

#### D. Beneficiaries

- Faculty, Staff, students of Visayas State University, Senior Highschool Students, Out of School Youth, Farmers, LGU and NGO technicians

#### E. Expected Outcome

**Component 1:** Biodiversity Assessment, Maintenance, Monitoring and Evaluation of the Existing Component Features of VSU Nature Park

- List of flora and fauna of the VSU Nature Park
- IEC materials
- Biodiversity and geospatial map

**Component 2:** Registration and Accreditation of *VSU Nature Park as a Learning Site* to Local and National Government Agencies

- Development plan of the *VSU Nature Park as a learning site*
- DTI registration certificate
- LGU, DENR, DA-ATI, TESDA, and DepEd accreditation certificate

**Component 3:** Environmental Education and Advocacy of Local Stakeholders through Capacity Building and Cross-Site Visits to VSU Nature Park

- Skills Development and Learning Materials on Sexual and Asexual Propagation of High-Quality Native tree Seedlings
- Skills Development and Learning Materials on Taxonomic Identification of Native tree species and their associated insects
- Skills Development and Learning Materials on Habitat and Watershed Restoration
- Skills Development and Learning Materials on Innovative and Cost-efficient Techniques in the Production of High-Quality native tree Seedlings
- Skills Development and Learning Materials for registration of native tree species

**Component 4:** Environmental Consciousness Drive for Out-of-School Youth and Senior Highschool Faculty and Students of Baybay City Division of the Department of Education

- Training Module on Environmental Consciousness
- IEC Materials

#### F. Potential Impact

- Developing awareness and educating the people (i.e., VSU's faculty, staff, and students at senior high school and surrounding communities) on the importance of preserving natural resources. Establishing the VSU Nature Park

as a learning site could significantly influence the support of residents and visitors in preserving the remaining forest in Mt. Pangasugan.

## **G. Methodologies/Strategies**

The extension methods used by the project are the following:

### **Component 1: Biodiversity Assessment and Evaluation of the Existing**

#### **Component Features of VSU Nature Park**

- Processing of pre-prior informed consent (PIC) from the Local Government Units (LGU) and other stakeholders
- Application of a gratuitous permit from Ecosystem Research and Development Bureau (ERDB)
- Biodiversity survey and assessment
- Biodiversity and geospatial mapping

### **Component 2: Registration and Accreditation of VSU Nature Park as a Learning Site to Local and National Government Agencies**

- DTI registration prior to operation
- Accreditation to LGU, DENR, DA-ATI, TESDA, and DepEd

### **Component 3: Environmental Education and Advocacy of Local Stakeholders through Capacity Building and Cross-Site Visits to VSU Nature Park**

- Drafting and formulation of learning methodologies for skills development
- Presentation, review, and finalization of learning methodologies to DENR, DA-ATI, DepEd, and TESDA
- Publication and reproduction of the approved learning methodologies

### **Component 4: Environmental Consciousness Drive for Out-of-School Youth and Senior Highschool Faculty and Students of Baybay City Division of the Department of Education**

- Drafting and formulation of learning methodologies
- Presentation, review, and finalization of learning methodologies to the Department of Education
- Publication and reproduction of the approved learning methodologies

## E. Detailed Work Plan Schedule

12 Months/1 year *(depends on the proposed project duration)*

Objectives	Major Activities	Duration (Months)											
		1	2	3	4	5	6	7	8	9	10	11	12
1. To assess and design the VSU Nature Park as a learning site.	Processing of pre-prior informed consent (PIC) from the Local Government Units (LGU) and other stakeholders												
	Application of a gratuitous permit from the Ecosystem Research and Development Bureau (ERDB)												
	Biodiversity survey and assessment												
	Biodiversity and geospatial mapping												
2. To register and accredit the VSU Nature Park as a learning site to LGU, DTI, DENR, DA-ATI, TESDA, and DepEd.	DTI registration prior to operation												
	Accreditation to LGU, DENR, DA-ATI, TESDA, and DepEd												
3. To empower and capacitate the local stakeholders in the conservation and sustainable utilization and management of the natural resources of	Drafting and formulation of learning methodologies for skills development												
	Presentation, review, and finalization of learning methodologies to												

<p>Mt. Pangasugan Mountain Range;</p> <p>4. To develop learning methodologies that will support environmental consciousness for Out of School Youth and Senior Highschool faculty and Students of Baybay City Division of the Department of Education</p>	DENR, DA-ATI, and TESDA												
	Publication and reproduction of the approved learning methodologies												
	Drafting and formulation of learning methodologies												
	Presentation, review, and finalization of learning methodologies to the Department of Education												
	Publication and reproduction of the approved learning methodologies												

## Line-Item Budget

Items / Particulars	Collaborators Support	Amount		Total
		2024	2025	
I. Personnel services (Salaries and Wages)				
a) 2 - Laborers (JO) @ 8,427 per month		202,248.00	202,248.00	404,496.00.00
II. Maintenance and Other Operating Expenses				
a) Office and field supplies		50,000.00	50,000.00	100,000.00
b) Biodiversity Assessment		50,000.00	-	50,000.00
c) Travel Expenses (Registration)		30,000.00	-	30,000.00
d) Training/Seminar/Workshop		-	50,000.00	50,000.00
e) Printing and reproduction of learning methodologies and training modules		-	50,000.00	50,000.00
<b>Total</b>		<b>332,248.00</b>	<b>352,248.00</b>	<b>684,496.00</b>

*\*\*for reference only*



## J. Logical Framework

Objective	Method	Activity	Output	Outcome
1. To assess and design the VSU Nature Park as a learning site.	Biodiversity Assessment	Conduct Biodiversity Assessment	Results of the biodiversity assessment	<i>Ex-situ</i> and <i>in-situ</i> conservation of Mt. Pangasugan flora and fauna
	Inventory	Identification and collection of material evidence of dipterocarp mother trees	Geospatial map (showing the dipterocarp mother trees in the VSU forest reserve)	<i>In-situ</i> conservation of dipterocarps in the VSU forest reserve
		Inventory, identification, and collection of material evidence of native orchids	List of native orchids in Leyte Island, including Mt. Pangasugan range	Development of extension materials and field guides on the list of flora and fauna in Mt. Pangasugan
2. To register and accredit the VSU Nature Park as a learning site to LGU, DTI, DENR, DA-ATI, TESDA, and DepEd.	DTI registration prior to operation	Formulation, Finalization, and implementation of the <i>Aquilaria</i> learning site (ALS)	DTI registration	Registered learning site
	Accreditation to LGU, DENR, DA-ATI, TESDA, and DepEd	Accreditation to LGU, DENR, DA-ATI, TESDA, and DepEd	Accreditation to LGU, DENR, DA-ATI, TESDA, and DepEd	Accredited learning site
3. To empower and capacitate the local stakeholders in the conservation and sustainable utilization and management of the natural resources of Mt.	Seminars on biodiversity conservation and cross-farm visits	<ul style="list-style-type: none"> <li>Development of training modules</li> <li>Establishment and maintenance of demonstration farms showing VSU's matured technology on climate-smart agroecologic</li> </ul>	Training modules	<ul style="list-style-type: none"> <li>Sustainable Utilization Management of the Natural Resources of Mt. Pangasugan</li> <li>Development of appropriate alternative options for Climate Smart conservation agriculture</li> </ul>

Pangasugan Mountain Range;		al production systems		
4. To develop learning methodologies that will support environmental consciousness for Out of School Youth and Senior Highschool faculty and Students of Baybay City Division of the Department of Education	Training on Environmental Consciousness	<ul style="list-style-type: none"> <li>Development of training modules</li> </ul>	Training Modules IEC Materials	Environmentally conscious Out of School Youth and Senior Highschool faculty and Students of Baybay City Division