



115TH BOARD OF REGENTS MEETING

BOR RESOLUTION NO. 18
Series of 2024

**APPROVING THE PROPOSED FEES FOR THE SERVICES OFFERED AT THE VSU
GEOGRAPHIC INFORMATION SYSTEMS LABORATORY (GISL)**

Whereas, the Board of Regents of the University is granted the power to fix the tuition fees and other necessary school fees and charges, such as, but not limited to, matriculation fees, graduation fees and laboratory fees, as it may deem proper and reasonable to impose after due consultations with the involved sectors per RA 9158, the University's enabling law;

Whereas, the Geographic Information Systems Laboratory proposes to collect fees from the services provided by the office as follows; Processing, Field Data Gathering, Training excluding travel and accommodation expenses, Printing of large maps, Use of Equipment including the training in operating;

A. Proposed Cost of Services offered by GISL

| | |
|---|---|
| Processing | |
| 1 Map Layout | Cost (Discount for students 20%) P 200.00 per map |
| 2 GIS Data Processing and Analysis | P 500.00 minimum |
| 3 Image Processing in Pix4D including Orthophoto and DEM | P 50.00/100 images |
| Field Data Gathering* | |
| 1 Drone mapping including image processing | Cost (Discount for students 20%) P 500.00/hectare (1-10 has) P 350.00/hectare (11-50 has) P 250.00/hectare (51 has. and above) |
| 2 Hydrographic/Bathymetric survey including processing (excluding boat rental) | P 1,000.00/hectare (1-10 has) P 800.00/hectare (11-50 has) P 600.00/hectare (51 has. and above) |
| 3 Topographic survey including processing | P 5,000.00/hectare |
| 4 Geotagging | P 50.00 per geotagged point |
| <i>*All operating expenses in field data gathering shall be covered by the client</i> | |
| Training excluding travel and accommodation expenses | |
| 1 ArcGIS or QGIS Basic Training | Cost (Discount for students 20%) P 50.00 per head per hour (minimum of 10 participants) |
| 2 ArcGIS or QGIS Advanced Training | P 100.00 per head per hour (minimum of 10 participants) |
| 3 KoboCollect or ODK training | P 30.00 per head per hour (minimum of 10 participants) |
| 4 Operation of Drone for aerial photogrammetry and Image Processing | P 300.00 per hour per head (minimum of 3 participants) |
| Printing of Large maps (colored) | |
| 1 A4 size | Cost (Discount for students 20%) P 5.00 per sheet |
| 2 A3 size | P 10.00 per sheet |
| 3 A2 size | P 50.00 per sheet |
| 4 A1 size | P 100.00 per sheet |
| 5 A0 size | P 200.00 per sheet |
| Use of Equipment including the training in operating | |
| 1 GNSS RTK (Base and Rover) | Cost (Free for students conducting Projects and Thesis) P 5,000.00 per day |

| | | |
|---|---|--------------------|
| 2 | Echosounder (Single beam) | P 3,000.00 per day |
| 3 | Sonar (Fish finder can be used as echosounder also) | P 2,000.00 per day |
| 4 | Total Station | P 2,000.00 per day |
| 5 | Rain gauge (excluding battery) | P 500.00 per month |
| 6 | Electromagnetic Velocity meter | P 1000.00 per day |

Whereas, fees are proposed to support equipment maintenance, calibration and the purchase of supplies required for the continuity of GISL services;

Whereas, the proposal was presented to the University Administrative Council at its meeting on May 23, 2024 and obtained favorable action;


Whereas, finding the UADCO's recommendation in order, the Governing Board has agreed to approve the proposal;


Now, therefore, on motion, duly seconded, and unanimously approved, be it;

Resolved, as it is hereby resolved, that the Board of Regents of Visayas State University approves proposed fees for the services offered at the VSU Geographic Information Systems Laboratory (GISL).

IN WITNESS of our approval thereof, we hereby affix our signatures this 7th day of June 2024 at VSU, Baybay City, Philippines.

VSU BOARD OF REGENTS


HON. ETHEL AGNES P. VALENZUELA
CHED Commissioner and Chairperson
VSU-Board of Regents



HON. PROSE IVY G. YEPES
VSU President, Vice Chairperson
VSU-Board of Regents

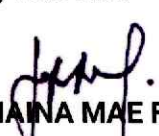
HON. ALLAN PETER S. CAYETANO
Chairperson, Senate Committee on Higher,
Technical and Vocational Education
Member, VSU BOR
Represented by:

absent
HON. BERNADETTE REMALLA-MAYBITUIN

Subject to compliance to Board of Regents, process & nomination 7/23/24

HON. MEYLENE C. ROSALES
Regional Director, National Economic and
Development Authority Regional Office VIII
Member, VSU BOR


HON. ERNESTO F. BULAYOG
Faculty Regent - VSU System Faculty Union of
Baybay Leyte
Member, VSU BOR


HON. SHAINA MAE F. LACABA
Student Regent - VSU Student Council Federation
Member, VSU BOR

Private Sector Representatives:



HON. ALAIN CHARLES J. VELOSO
Member, VSU BOR
Villaba, Leyte


HON. MARK O. GO
Chair, Committee on Higher & Technical
Education House of Representatives
Member, VSU BOR
Represented by:


HON. MARK MICHAEL O. UNLU-CAY

(absent)

HON. ANDREW RODOLFO T. ORAIS
Regional Executive Director, Department of
Agriculture-RO8
Member, VSU BOR


HON. OSCAR B. POSAS
President, VSU Federated Alumni Association
Member, VSU BOR


HON. RUPERTO O. APARRI, III
Member, VSU BOR
Tacloban City, Leyte



VISAYAS
STATE UNIVERSITY

**GEOGRAPHIC INFORMATION
SYSTEM LABORATORY**

May 27, 2024

DR. PROSE IVY G. YEPES

President

Visayas State University

Vsica, Baybay City, Leyte

Thru: DR. MOISES NEIL V. SERIÑO

Vice President for Planning, Resource Generation
& Auxillary Services

DR. SANTIAGO T. PEÑA JR.

Vice President for Research, Extension, and Innovation

DR. IVY C. EMNACE

Director for Research

Subject: Proposal for Service Fees to Support Equipment Maintenance and Supplies

Dear **Dr. Yepes**,

Greetings!

I hope this letter finds you in good health and high spirits. I am writing to propose the implementation of service fees for the services offered by the Geographic Information Systems Laboratory (GISL). As you know, our office relies heavily on various equipment to provide efficient and effective services to our clients. However, the wear and tear on these devices and the need for regular maintenance and calibration have become a financial burden for our office. To address this issue, we believe it is necessary to introduce service fees that can be explicitly allocated toward equipment maintenance, calibration, and the purchase of supplies required for the continuity of our services.

Our drone is a significant example of equipment that would benefit from the proposed service fees. The drone serves a vital function in our operations, providing aerial photos, topographic maps, and other data from drone mapping. However, the drone's battery life diminishes over time, and it is crucial to maintain a reliable power source to maximize its utility. By utilizing the funds generated from the service fees, we can ensure the timely replacement of drone batteries, thus guaranteeing uninterrupted operation and accurate data acquisition.

In conclusion, we kindly request your support and consideration in approving the proposal for service fees. We intend to be transparent about the utilization of these fees, and we are committed to providing regular updates and reports on the allocation and expenditure of funds. Attached to this letter is the list of services offered by our office with its corresponding proposed cost and the possible utilization of the funds that will be generated. Thank you for your time and

**GEOGRAPHIC INFORMATION SYSTEM
LABORATORY**

Visayas State University, PQWV+X76 Baybay City, Leyte
Email: gis.lab@vsu.edu.ph
Website: www.vsu.edu.ph
Phone: +63 53 565 0600



Management
System
ISO 9001:2015
www.tuv.com
ID 810662749



Page 1 of 7
FM-VSU-03
V2 05-09-2023
No. **CM-23-005**

attention to this matter. We look forward to discussing this proposal further and working together to achieve our common goals.

Sincerely,


CELESTIAL A. MANIGO
Head, GISL

Recommending Approval:


DR. IVY C. EMNACE
Director for Research

for  **DR. SANTIAGO T. PEÑA JR.** ^{oic} 5/31/24
Vice President for Research, Extension
and Innovation


DR. MOISES NEIL V. SERIO
Vice President for Planning, Resource
Generation & Auxiliary Services

Approved by:


PROSE IVY G. YEPES
University President

A. Proposed Cost of Services offered by GISL

| Processing | Cost (Discount for students: 20%) |
|---|--|
| 1. Map Layout | P 200.00 per map |
| 2. GIS Data Processing and Analysis | P 500.00 minimum |
| 3. Image Processing in Pix4D including Orthophoto and DEM | P 50.00/100 images |

| Field Data Gathering* | Cost (Discount for students: 20%) |
|---|--|
| 1. Drone mapping including image processing | P 500.00/hectare (1-10 has.) P 350.00/hectare (11-50 has.) P 250.00/hectare (51 has. and above) |
| 2. Hydrographic/Bathymetric survey including processing (excluding boat rental) | P 1, 000.00/hectare (1-10 has.) P 800.00/hectare (11-50 has.) P 600.00/hectare (51 has. and above) |
| 3. Topographic survey including processing | P 5, 000.00/hectare |
| 4. Geotagging | P 50.00 per geotagged point |

**All operating expenses in field data gathering shall be covered by the client.*

| Training excluding travel and accommodation expenses | Cost (Discount for students: 20%) |
|--|---|
| 1. ArcGIS or QGIS Basic Training | P 50.00 per head per hour (minimum of 10 participants) |
| 2. ArcGIS or QGIS Advanced Training | P 100.00 per head per hour (minimum of 10 participants) |
| 3. KoboCollect or ODK training | P 30.00 per head per hour (minimum of 10 participants) |
| 4. Operation of Drone for aerial photogrammetry and Image Processing | P 300.00 per hour per head (minimum of 3 participants) |

| Printing of Large maps (colored) | Cost (Discount for students: 20%) |
|---|--|
| 1. A4 size | P 5.00 per sheet |
| 2. A3 size | P 10.00 per sheet |
| 3. A2 size | P 50.00 per sheet |
| 4. A1 size | P 100.00 per sheet |
| 5. A0 size | P 200.00 per sheet |

| Use of Equipment including the training in operating | Cost (Free for students conducting Projects and Thesis) |
|---|--|
| 1. GNSS RTK (Base and Rover) | P 5,000.00 per day |

| | |
|---|--------------------|
| 2. Echosounder (Single beam) | P 3,000.00 per day |
| 3. Sonar (Fish finder, can be used as echosounder also) | P 2,000.00 per day |
| 4. Total Station | P 2,000.00 per day |
| 5. Rain gauge (excluding battery) | P 500.00 per month |
| 6. Electromagnetic Velocity meter | P 1000.00 per day |

B. Available Equipment and Software to support the services.

Equipment/Instrument:

1. GNSS RTK (1 set)
2. Total Station (2 sets)
3. UAV or Drone (1 set)
4. Single-beam Echosounder (1 unit)
5. Sonar Fishfinder (2 units)
6. Raingauge (16 units)

Software Licenses:

1. QGIS license
2. ArcGIS lifetime license
3. Pix4D floating license
4. Trimble Business Center license
5. Autocad

Projected Collectibles Annually

(This projected collectibles are based on the number of request from the previous years and/or minimum number of services offered.)

| Services | Units | Amount |
|--|------------------|--------------|
| Map Layout | 10 | 2,000.00 |
| GIS Data Processing and Analysis | 1 | 500.00 |
| Image Processing in Pix4D including Orthophoto and DEM | 1000 images | 500.00 |
| Drone mapping including image processing | 1 ha. | 500.00 |
| Hydrographic/Bathymetric survey including processing (excluding boat rental) | 1 ha. | 1,000.00 |
| Topographic survey including processing | 1 ha. | 5,000.00 |
| Geotagging | 10 points | 500.00 |
| ArcGIS or QGIS Basic Training | 10 persons (min) | 4,000.00/day |
| ArcGIS or QGIS Advanced Training | 10 persons (min) | 8,000/day |
| KoboCollect or ODK training | 10 persons (min) | 2,400.00/day |
| Operation of Drone for aerial photogrammetry and Image Processing | 3 persons (min) | 7,200.00/day |
| Printing of Maps (colored) | | |
| -A4 size | 1 | 5.00 |
| -A3 size | 1 | 10.00 |
| -A2 size | 1 | 50.00 |

| | | |
|--|---|--------------|
| -A1 size | 1 | 100.00 |
| -A0 size | 1 | 200.00 |
| GNSS RTK (Base and Rover) | 1 | 5,000.00/day |
| Echosounder (Single beam) | 1 | 3,000.00/day |
| Sonar (Fish finder, can be used as echosounder also) | 1 | 2,000.00/day |
| Total Station | 1 | 2,000.00/day |
| Rain gauge (excluding battery) | 1 | 500.00/month |
| Electromagnetic Velocity meter | 1 | 1,000.00/day |
| Total | | P 45,465.00 |

Utilization of funds for the next 3 years

| Utilization of funds | Projected collectibles | 2024 | 2025 | 2026 |
|--|------------------------|-----------|----------|----------|
| 1. Regular Calibration and Maintenance of Equipment and Instrument (every 3 years) | P 45, 465.00 | 10,000.00 | - | - |
| 2. Repair of Equipment and Instrument | | 10,000.00 | - | - |
| 3. Battery for Drone | | 5,000.00 | 5,000.00 | 5,000.00 |

| | | | | |
|--------------------------------|--|-----------|-----------|-----------|
| 4. Purchasing of new computers | | - | 40,000.00 | 40,000.00 |
| 5. Repair of office | | 10,000.00 | | |
| 6. Office supplies | | 10,000.00 | | |

**Note: the excess projected collectibles if any will serve as savings fund.*