

**CHED AND SLSU - COLLEGE
OF ENGINEERING LINKAGE
THROUGH INSTITUTIONAL
DEVELOPMENT GRANT**



PROJECT PROPOSAL FORM

2021 CHED-INITIATED INSTITUTIONAL DEVELOPMENT AND INNOVATION GRANT

I. PROJECT INFORMATION

HEI Proponent	SOUTHERN LUZON STATE UNIVERSITY
Project Title	Establishment of Geospatial And Data Analytics Laboratory for Capacity Building of Southern Luzon State University
Proposed Grant Amount	5,489,380.00
Grant Priority Area (Choose only one)	Science, Technology, and Engineering
Duration (in months) <i>Maximum of 24 months</i>	24 months
Specific Program Offering/s to be Supported by the Grant	<i>BS Computer Engineering, BS Industrial Engineering, BS Information Technology, BS Electronics Engineering, BSIT – Computer Technology, BS Mathematics, BS Agriculture, and BS Environmental Science</i>
No. of current year's enrollees for the Program	<i>BS Computer Engineering (266) BS Industrial Engineering (296) BS Electronics Engineering (226) BS Electrical Engineering (312) BS Mechanical Engineering (308) BS Information Technology (53) BSIT – Computer Technology (75) BS Mathematics (153) BS Environmental Science (112) BS Forestry (163)</i>
No. of faculty members (full-time and part-time) under the identified program offering/s	<i>BS Computer Engineering – Full Time (5), Part-Time (3) BS Industrial Engineering – Full Time (4), Part-time (4) BS Electronics Engineering – Full Time (4), Part-Time (4) BS Mechanical Engineering – Full Time (5) , Part-Time (1) BS Information Technology – Full Time (3), Part-Time (1) BSIT – Computer Technology – Full Time (3), Part-Time (1) BS Mathematics – Full Time (4), Part-Time (2) BS Environmental Science – Full Time (5), Part-Time (2) BS Forestry – Full-Time (5)</i>
Name of Project Leader	Renato R. Maaliw III
Contact Information (Phone number and Email address)	09989001045/ Southern Luzon State University, Brgy. Kulapi, Lucban, Quezon

II. OUTCOMES, GOALS, AND OBJECTIVES

Describe the project and provide the rationale or justification for it. State the expected outcomes vis-a-vis the goals and objectives.

RATIONALE/BACKGROUND AND JUSTIFICATION

Geospatial and Data Analytics are gaining significant ground in different sectors. Higher Educational Institutions (HEIs) such as Southern Luzon State University (SLSU) are discovering the potential impacts of these sciences with data-based models that are essential for supporting their goals through various researches to enhance the efficiency and quality of teaching and learning.

Geospatial and data analytics are seen as potential groundwork for systemic change. It has significant positive impacts as it is an instrument that can help HEIs find solutions for their specific and relevant issues of the communities.

Thus, establishing a Geospatial and Data Analytics laboratory will provide significant support to faculty, researchers, and students alike by providing the latest and up-to-date scientific and technological equipment in advancing the fields of engineering, technology, mathematics, environmental science, forestry, and other related fields.

The project's goal is to enhance the capability of SLSU in the fields of research and development through the use of geospatial and data analytics by establishing a laboratory that will cater to both sciences. Specifically, the project aims to train SLSU personnel and students on using geospatial and data analytics, including software tools in different research domains.

The laboratory can be utilized for educational data mining where prediction models are built to identify at-risk students or employability forecasting to help educators achieve success. Furthermore, it can support management through calculated administrative decision-making and resource allocations and provide geospatial information for resource management and other related data innovations.

STATEMENT OF PURPOSE/OBJECTIVES

Notable experts have established that data specialists are currently the most in-demand profession in the industry 4.0 revolution. As the industry matures, including in the education sectors, the demand for geospatial and data analytics skills will rise astronomically.

In fact, according to a report in 2020, data science and analytics expert's demands are surging. These numbers show a massive requirement of data analysts. However, the supply does not match the needs in both the industry and the academic sector.

And, for institutions to collect and analyze massive data, either internal or external, data science skills are a must.

Data analytics plays a vital role in HEI's goals of improving quality education and knowledge generation through research.

The objective of the project includes:

1. Establishment of geospatial and data analytics laboratory for capability building of faculty, researchers, and other stakeholders of SLSU>
2. Train personnel and students on the use of geospatial and data analytics software.
3. Provide professional and technical services on geospatial information and data analytics for individuals, organizations, and institutions (internal or external).
4. Deliver research outputs in various fields.

SIGNIFICANCE OF THE PROJECT

Establishing the geospatial and data analytics laboratory is an initial step for SLSU in pursuing its vision as a 21st-century university to capacitate its personnel and students to use different analytics software, thereby increasing their research capabilities.

The thrust of the project is to make development and innovation through the use of data to improve both academic and administrative aspects of the institutions, including the community.

Moreover, the university will have the infrastructure to extend its services that will cater to local, regional, and national agencies and NGOs, private groups, and individuals for geospatial and data analytics, which are valuable for education and community development as well.

These are responsive to CALABARZON's regional development research agenda on technology innovations in stimulating infrastructure development and social development.

Further, the laboratory would contribute to the Ambisyon 2040 for a "Matatag, Maginhawa at Panatag na buhay para sa mga Filipino" through supporting the achievement of vigorously advancing science, technology, and innovation by accelerating the promotion of technology adoption, which are the central mandates of a state university like SLSU.

III. LOGICAL FRAMEWORK

The log frame shall provide the goals, objectives, outputs, activities, and their corresponding indicators of success of the project including the means of verification and the assumptions and risks. Risks as identified should be provided with appropriate strategies for its mitigation.

Goals/ Objectives	Activities	Outputs	Verifiable Indicators	Means of Verification	Assumptions and Risks
Establishment of a geospatial and data analytics laboratory for SLSU	Modification and repairs of physical facilities	Physical facilities that are ready for the installation of equipment	Repairs of existing laboratory room	Fully repaired laboratory room	Timely release of funds, efficient procurement process, and on-time completion
	Setting up the newly acquired technology resources & equipment	1 Operational geospatial & data analytics laboratory	Procured & installed equipment	Purchase order, delivery receipt	Timely released of funds and efficient procurement process
Training of personnel for capacity building	Training of personnel on the use of geospatial & data analytics software	50 Trained personnel on geospatial & data analytics software	Training programs, certificate of trainings, and documentation	Participants rating of the training	On-time training for Faculty
Deliver research	Development & testing of Information System for prediction	1 Information system for prediction on licensure examinations	Coded information system	Fully functional information system	On-time development of information system

outputs based on data innovations.	models on licensure examination				
	Development & testing of information system for geospatial information	1 Information system for geospatial information	Coded information system	Fully functional information system	On-time development of information system

IV. GANTT CHART

Gantt chart for Year 1 (12 months)

Milestones	Activities and Tasks	YEAR 1											
		M 1	M 2	M 3	M 4	M 5	M 6	M 7	M 8	M 9	M 10	M 11	M 12
Purchasing	<i>Purchasing of needed laboratory equipment, software, and other needs.</i>	/	/	/	/	/	/						
Laboratory Setup	<i>Modification and repairs of physical facilities</i>	/	/	/	/	/	/						
	Electrical setup for the laboratory	/	/	/	/	/	/						
	Setting up the purchased laboratory equipment & software (installation).						/						
	Hardware & software testing.						/						
	Setting up computer networks (for internet connectivity)						/						
Training Phase	Training on geospatial & data analytics software							/	/	/	/	/	/

Gantt Chart for Year 2 (12 months)

Milestones	Activities and Tasks	YEAR 2											
		M 1	M 2	M 3	M 4	M 5	M 6	M 7	M 8	M 9	M 10	M 11	M 12
Data Innovation	Development of prediction models for licensure examination performance	/	/	/	/	/	/	/	/	/			
	Development of geospatial information system	/	/	/	/	/	/	/	/	/			
Deployment of Information Systems	Deployment information System for licensure examinations prediction & geospatial information systems										/	/	/

VI. WORK AND FINANCIAL PLAN (WFP)

This component shall itemize the funding requirement per object of expenditure per month. **Funding for Personnel Services and MOOE shall be reported as the counterpart of the proponent HEI.** The counterpart of the proponent HEI shall also be indicated. Please also accomplish the WFP template in Excel Format which is provided and downloadable from this [link](#).

PROPOSED WORK AND FINANCIAL PLAN (WFP)					
*Note: Proposed allocation for equipment, facility or systems shall be supported by a market survey containing quotations of potential suppliers including the complete specifications of each proposed equipment, facility, or system. The counterpart of the proponent HEI shall be also indicated.					
Line Item, Budget, Particulars, and Specifications	Unit Cost	Quantity	Duration (in months)	HEI Counterpart	Amount Requested from CHED
Personnel Services (PS) (Should be HEI Counterpart)					
Laboratory Technician	500/day x 22 days	1	18	198,000	-
					-
					-
					-
SUBTOTAL PS				198,000	-
Maintenance and Other Operating Expenses (MOOE)					
Modification and repairs of facilities (including labor)	400,000		24	400,000	-

Training Expenses	33,333		6	200,000	-
Office Supplies & Miscellaneous expenses	4,000	Per month	18	72,000	-
ArcGIS Educational Program for Teaching and Research	665,380	1 lot	24		665,380
SUBTOTAL MOOE				672,000	665,380
Equipment Outlay (EO) (includes equipment with unit cost of P15,000 or more)					
Desktop Computers	135,000	33			4,455,000
Laptop	95,000	1			95,000
Printer	15,000	1		15,000	
Router	28,000	1			28,000
Network Switch	30,000	2			60,000
Wireless Network Adapters	1,000	33		33,000	
Cat5 Network Cables (Box)	2,000	2		4,000	
Network Terminators (RJ45)	10	120		1,200	
Graphic Drawing Pen Tablet	30,000	3			90,000
Web Hosting for Information Systems	3,000	Per month	3	9,000	
Electrical Needs	31,340	1 lot		31,340	
LED TV (85") including wall or rack mount	200,000	1		200,000	
Customized Computer Tables (for 4 Desktops in 1 Table)	10,000	8		80,000	
Computer Table (for single desktop)	3,000	1		3,000	
Computer Chairs	2,000	33		66,000	
Split Type Air Conditioning unit (2HP) including installation	60,000	2		120,000	
Window Blinds including installation	2,500	5		12,500	
SUBTOTAL EO:				575,040	5,393,380
ADMINISTRATIVE COST (maximum of 5% of total amount requested from CHED)					
SUBTOTAL ADMIN COST					96,000

TOTAL AMOUNT REQUESTED FROM CHED:	1,445,040	5,489,380
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VII. SUSTAINABILITY PLAN

(Describe the activities and mechanisms to be put in place to ensure the sustainability of the intervention after the end of the project.)

The sustainability of the project will go beyond the grant duration for it will serve as educational, research, and extension facility of the University.

With various programs needing a geospatial and data analytics laboratories in delivering quality education, the project can be sustained in terms of academic aspects by including the needed software in the annual procurement plan of the University to sustain the continuous subscription of the required software.

Furthermore, the Office of the Research Services and Office of the Extension Services can augment the sustainability of the operation by outsourcing additional funding for its continuous operation.

Additional sources of financial aid and technical support through project collaborations and partnerships with external funding agencies will also be explored to ensure the success and sustainability of the facility. Network and linkages with other Government Agencies (Gas), Non-Government Organization (NGOs), private companies and local government units (LGU) shall be established through a Memorandum of Agreement (MOA).

VIII. PROJECT TEAM

This component shall enumerate the project team including the terms of reference of each member. Copies of the curriculum vitae of each member shall also be attached.

(Kindly add rows as necessary.)

No.	Name of Project Team Member	Designation in HEI and Employment Status	Role in the Project
1.	Dr. Renato R. Maaliw III	Dean, SLSU - College of Engineering Permanent	Project Leader (Geospatial and Data Analytics)
2.	Dr. Arvin N. Natividad	Head, SLSU MIS-ICT Permanent	Project Member (Geospatial)
3.	Mr. Jed Frank S. Marqueses	Program Head, BS Mathematics Permanent	Project Member (Data Analytics)

PREPARED BY:


RENATO R. MAALIW III, DIT

PROJECT LEADER

DATE:

- I hereby certify that I have reviewed and that I am endorsing the project proposal as responsive to the needs of our higher education institution.
- I hereby certify that this project proposal **has not been previously funded** by the CHED and other government agencies.
- I hereby certify that this project proposal **has not been submitted for funding** in other government agencies or other programs of CHED in the previous years.


DORACIE B. ZOLITA-NANTES, Ph.D

**PRESIDENT
SOUTHERN LUZON STATE UNIVERSITY**

DATE: December 10, 2021

Appendix A. EXAMPLE OF EQUIPMENT OUTLAY COST IN THE WFP

Equipment Outlay (EO) <i>(includes equipment with unit cost of P15,000 or more)</i>					
Line Item, Budget, Particulars, and Specifications	Unit Cost	Quantity	Duration (in months)	HEI Counterpart	Amount Requested from CHED
Desktop Computers 64Bit OEM Operating System Processor (2.50GHz up to 4.9GHz, 16 MB Cache LGA1200) – 8 Cores Motherboard (LGA1200, ATX, PCIe 4.0, HDMI, SATA 6 Gpbs, 2.5 GB Ethernet) RAM (3600C18D 32 GB (2x16GB) DDR4 Hard Drive (4 Terabyte HDD) Solid State Drive (1TB Solid State Drive) Video Card (6 GB DDR6) Casing (EATX with metal front panel, tempered-glass side panel, 120 mm RGB Fan, 140 mm PWM fan) 1000 Watts Power Supply Multimedia Desktop USB Keyboard USB Mouse Monitor: 27" IPS 75HZ VGA/HDMI AVR: 1100VA 230 V	135,000	33			4,455,000
Laptop Operating System (64bit OEM OS) Processor: 12M Cache, up to 4.50 GHz Graphics: 8GB GDDR6 Display: 15.6" 2560x 1440 resolution 165Hz, IPS 300nits 100% DCI P3 G sync Ultimate	95,000	1			95,000

Memory: 16GB DDR4 3200MHz Storage: 512GB NVME PCIe SSD Interfaces: Left: 1x 3.5mm Audio Jack, 2x USB 3.2 Gen 1, 1x RJ45 Right: 1x Thunderbolt 4, 1x USB 3.2 Gen 2, 1x HDMI 2.1, 1x Mini DP Keyboard and Touchpad: RGB Backlit keyboard Camera: 720p HD Wireless Connectivity: WiFi 6 and Bluetooth 5.0-5.1 Battery and Power: 59 Wh Power Adapter 100-240V adaptive AC power adapter					
Printer Ink Tank Wireless All in One With ADF (Print, Scan, Copy)	15,000	1		15,000	
Router Tri-Band WIFI, 10Gbps, 2.5Gbps WAN port, 8 Gigabit LAN ports, 1.8 GHz Quad-Core CPU and 3 coprocessors	28,000	1			28,000
Network Switch Gigabit Ethernet Managed Switch with 24 ports Fixed 24-Port 10/100/1000MBASE-T	30,000	2			60,000
Wireless Network Adapters 300 MBPS USB Wireless N Router	1,000	33		33,000	
Network Cables UTP Cable Cat5 (Box)	2,000	2		4,000	
Network Terminators RJ45 Connectors	10	120		1,200	
Graphic Pen Tablet	30,000	3			90,000

<i>Size: 338 x 219 x 8mm</i> <i>Active area: 224 x 148 mm</i> <i>Pressure Sensitivity: 8192</i> <i>Pens included</i> <i>Wireless Capability: Built-in Bluetooth</i>					
Web Hosting for Information Systems <ul style="list-style-type: none"> - Row limit (no limit) - RAM 4GB - Storage 64GB - Connections 120 - Rollback 4 days - Language: Python/PHP 	3,000	Per month	3 months	9,000	
Electrical Needs Circuit Breaker 40A with enclosures (bolt on type) Electrical Wire #12 AWG – 150 meters (stranded) Electrical Wire #14 AWG – 75 meters white for grounding (stranded) PVC pipe – ½ inch Convenience outlet Plate and cover (2 gang) – 18 pcs 80	2,500 7,500 5,000 200 200 80	2 1 roll 1 roll 30 m. 32 18		5,000 7,500 5,000 6,000 6,400 1,440	
LED TV (85”) including wall mount	200,000	1		200,000	
Customized Computer Tables (for 4 Desktops)	15,000	8		120,000	
Computer Table (instructor desktop)	3,000	1		3,000	
Computer Chairs	2,000	33		66,000	
Split Type Aircon 2HP including installation	60,000	2		120,000	
Window Blinds including installation	2,500	5		12,500	
SUBTOTAL EO:				615,040	5,393,380

Memorandum of Agreement for the Project

MEMORANDUM OF AGREEMENT (MOA)
(Institutional Development and Innovation Grants)

KNOW ALL MEN BY THESE PRESENTS:

This Memorandum of Agreement is executed by and between:

The **COMMISSION ON HIGHER EDUCATION (CHED)**, a government regulatory agency of the national government organized and established under the Republic Act (RA) no. 7722 otherwise known as the "Higher Education Act of 1994", with principal office address at HEDC Building, C.P. Garcia Avenue, U.P. Campus, Diliman, Quezon City, represented herein by **J. PROSPERO E. DE VERA III, DPA**, in his capacity as Chairperson, hereinafter referred to as the "**CHED**";

-and-

The **Southern Luzon State University**, a higher education institution, with principal office at **Quezon Avenue, Brgy. Kulapi, Lucban, Quezon** duly represented herein by, **DORACIE B. ZOLETA-NANTES, Ph.D.**, in their capacity as **President**, hereinafter referred to as the "**HEI**".

CHED and **HEI** are hereinafter collectively referred to as "**PARTIES**"

WITNESSETH

WHEREAS, Republic Act (R.A.) No. 7722 provides that it is the responsibility of the State to (1) protect, foster and promote the right of all citizens to affordable quality education at all levels, and (2) take appropriate steps to ensure that education shall be accessible to all. It further mandates CHED to (1) formulate and recommend development plans, policies, priorities and programs on higher education and research, and (2) identify, support and develop potential centers of excellence in program areas needed for the development of world-class scholarship, nation building and national development;

WHEREAS, the **CHED** is mandated by RA 10533 or the "Enhanced Basic Education Act of 2013" and its Implementing Rules and Regulations to help ensure a smooth transition to the K to 12 system by formulating appropriate strategies and mechanisms, which may cover changes in physical infrastructure or organizational and structural concerns, and partnerships between the government and other entities, along with ensuring the long-term viability of HEIs, and the alignment of higher education with the new curriculum in basic education;

WHEREAS, the **CHED** provides funding for higher education institutions (HEIs) to ensure their long-term sustainability; strengthen their capacity to respond and remain relevant to regional, national and global priorities; and enhance the quality of their educational programs and services.

WHEREAS, the **CHED** issued the "**Revised Guidelines for the CHED-Initiated Projects under the Institutional Development and Innovation Grant Program for Higher Education Institutions**" through CHED Memorandum Order (CMO) no. 17, series of 2021 on 07 October 2021;

WHEREAS, the IDIG program will support HEIs that will maximize the opportunities of the Fourth Industrial Revolution to transform into smart campuses thereby ensuring a smooth transition from enhanced basic education, and the continuity of learning through effective implementation of flexible learning as the appropriate pedagogical approach in a disruptive world.

WHEREAS, the current iteration of the CHED-initiated IDI Grants shall be awarded to HEIs to improve their instructional facilities/laboratories, establish/upgrade their multimedia centers to develop instructional materials, establish/upgrade flexible learning hubs or internet rooms for students, upgrade connectivity/campus area network, or establish/upgrade learning management systems.

WHEREAS, the **CHED** through CEB Resolution No. **R006-2021** (*Annex A*) approved the project titled “**Establishment of Geospatial and Data Analytics**” (the “Project”) amounting to **Five Million Four Hundred Eighty-nine Thousand Three Hundred Eighty Pesos Only (PhP 5,489,380.00)** for implementation by the **HEI**; and

WHEREAS, the **HEI** is ready, willing and able to implement its approved project and by acceptance of this grant, the HEI agrees to comply with existing and relevant government laws, rules, regulations, policies and procedures of CHED.

NOW, THEREFORE, for and in consideration of the foregoing premises, the parties hereto hereby agree, as they do hereby agree, to fulfill the following terms and conditions of the grant:

A. ROLES AND RESPONSIBILITIES OF THE PARTIES

1. The **CHED** shall:

- 1.1. Through the funds available in the Higher Education Development Fund (HEDF), provide funding assistance to the HEI in the amount of **Five Million Four Hundred Eighty-nine Thousand Three Hundred Eighty Pesos Only (PhP 5,489,380.00)** for the implementation of the Project entitled “**Establishment of Geospatial and Data Analytics**”;
- 1.2. Through its designated grant secretariat, see to it that funds provided to the HEI shall be used properly and for the intended purposes specified; and
- 1.3. Conduct monitoring and evaluation of the implementation of the project

2. The **HEI** shall:

- 2.1. Ensure the proper implementation of the project;
- 2.2. Ensure that the procurement of all materials, equipment and services indicated in the project shall abide by **R.A. No. 9184** or the “**Government Procurement Reform Act**”, and all pertinent laws and government rules. The HEI must also secure and provide CHED with relevant market surveys and price quotations.
- 2.3. Properly utilize the funds provided by **CHED** and see to it that these are used for the purposes for which the same are intended, in accordance with the project proposal and work and financial plan (WFP) (*Annex B*) subject to the pertinent accounting and auditing rules and regulations;
- 2.4. Report promptly to CHED the occurrence of any event or condition which might delay or prevent the timely completion of the project

embraced herein, specifying in writing the amount of time involved, the causes of the delay, its subsequent implications on the entire timetable, work schedule, and budget of the project, and the interventions that the **HEI** shall employ to address said event or condition;

- 2.5. Complete the project within a maximum of twenty-four (24) months or two (2) years with no further extension.
- 2.6. Issue an Official Receipt (OR) for every amount received from **CHED**;
- 2.7. Deposit the funds received from **CHED** with any government authorized depository bank nearest the program site;
- 2.8. Separately keep and maintain all necessary accounting ledgers/records for the project which shall be voluntarily submitted whenever required and subjected to monitoring and evaluation of the CHED's authorized representative/s and furnish the certified true copies (CTC) of all required documents;
- 2.9. Adhere with the Project Proposal and WFP submitted to CHED as basis for the manner of implementation and delivery of the project;
- 2.10. Submit to **CHED** Semestral Progress Reports, and a Terminal Report within sixty (60) days after the completion of the project, indicating the accomplishment of deliverables as stated in its project proposal, WFP and Gantt Chart;
- 2.11. Attend the conduct of the monitoring activities (face-to-face or virtual) to validate the submitted progress report. Observations of the monitoring team shall be provided to the HEI. If there are issues to be addressed, the HEI shall submit within a prescribed period the actions to be taken;
- 2.12. Submit a liquidation report to **CHED**, certified correct by the HEI's accountant, approved by the head of the institution, and duly received by the institution's resident Commission on Audit (COA) Office for SUCs/LUCs or verified by an external auditor for Private HEIs, within sixty (60) days after the completion of the project;
- 2.13. Return to **CHED** all unused balances of the project funds upon completion of the project within forty-five (45) but not more than sixty (60) calendar days, pursuant to **Executive Order (EO) no. 338, series of 1996** also known as the "**Directing the Deposit of Cash Balances to the National Treasury**";
- 2.14. Adhere to the prescribed accounting entries for booking up property/equipment purchased out of project funds;
- 2.15. Abide by all provisions of CHED Memorandum Order No. 17, series of 2021 or the "Revised Guidelines for the CHED-Initiated Projects under the Institutional Development and Innovation Grant Program for Higher Education Institutions".

B. OWNERSHIP OF PURCHASED EQUIPMENT AND FACILITIES

CHED reserves the right to ownership over the purchased equipment and facilities subject under the grant until full liquidation by the **HEI** is completed. Transfer of ownership of the said equipment and facilities in favor of the **HEI** shall ensue upon issuance of an Invoice Receipt of property by the **CHED**, and the execution of a Deed of Donation between the **PARTIES**, or completion of any other required accounting and audit procedure for the purpose.

C. GRANT TERMINATION

1. **Basis for Termination**

A grant may be terminated by the **CHED** for cause. Cause for termination of the **CHED** includes:

- 1.1. Refusal or failure of the **HEI** to comply with the policies and guidelines herein stated, and with any provision of the MOA between CHED and the HEI grantee;
- 1.2. Misrepresentation or fraud by the **HEI** or any of its personnel serving as a project lead/point person;
- 1.3. Failure to complete the project within the approved duration of the grant;
- 1.4. Failure to comply with the inspection of report within the prescribed period;
- 1.5. Availment of another grant to fund the same project;
- 1.6. Use of funds for purposes other than those indicated in the approved project proposal and WFP;
- 1.7. Violations covered by the Sanctions and Restrictions as provided for in CMO No. 17, Series of 2021, Re: "Revised Guidelines for the CHED-Initiated Projects under the Institutional Development and Innovation Grant Program for Higher Education Institutions";
- 1.8. Other acts may be considered by the Commission as inimical to the interest of the Republic of the Philippines and those that adversely affect the integrity of the CHED-Initiated IDIG program.

2. Effect of Grant Termination

Termination carries with it disqualification from receiving any future grants from the **CHED** for two (2) consecutive years. Termination of the grant may be initiated by the Commission upon demand and failure of the HEI to address the basis for termination. An awarded project which is prematurely terminated will be subject to the same requirements regarding audit and submission of reports.

The **CHED** may also take administrative action including, but not limited to, the imposition of a payment obligation for all financial privileges received under the CHED-Initiated IDIG program.

3. Termination Agreement or Notice

CHED may, based on evidence of failure to comply with the terms of the grant agreement, issue a notice of intent to terminate the grant agreement. The notice of intent to terminate has the force and effect extending or modifying the conditions of the suspend order. Any modification of the condition of the suspend order shall be shown in the notice and discussed with the HEI. The CHED shall give not less than ten days written notice to the HEI of intent to terminate the grant in whole or in part.

After the HEI has been notified and / or afforded opportunity for discussion, the Director-in-charge may request authorization from the Commission en banc. If the CEB concurs in the termination action, the termination notice will be forwarded to the HEI. The termination notice shall establish the effective date of the termination of the grant and the amount and date of payment of any sums due either party.

D. PENALTY CLAUSE

The agreement shall be implemented as agreed upon and in accordance with the terms and conditions stipulated herein and in CMO No. 17, series of 2021. Failure on the part of either party to comply with the provision/s of this Agreement will warrant its discontinuance and/or administrative, civil, and/or criminal actions against responsible officers and employees of the Erring Party.

The **CHED** reserves the right to terminate the grant and take administrative action including, but not limited to, the imposition of a payment obligation for all financial privileges received under the CHED-Initiated IDIG program if the provisions stipulated in CMO No. 17, series of 2021 are violated.

E. SEPARABILITY CLAUSE

If one or more provisions contained herein shall be held invalid, illegal, or unenforceable in any respect and for any reason, the remaining provisions shall remain valid, legal, and enforceable.

F. DOCUMENTS COMPRISING THIS DOCUMENT

All appendages hereto attached are hereby expressly made an integral part of this agreement by reference, excluding inconsistencies with any/all part, terms, and conditions contained in this Memorandum of Agreement.

G. EFFECTIVITY OF THE AGREEMENT

This MOA shall take effect upon the release of the funds to the **HEI** for the project implementation and shall be in effect for a maximum of twenty-four **(24)** months from the date of receipt of the funds by the **HEI**. **NO extension** shall be given to the HEI beyond this project duration.

H. OTHER TERMS AND CONDITIONS

1. Any communication under this MOA must be in writing and delivered by registered mail, electronic mail, or facsimile to the respective parties at their addresses below:

COMMISSION ON HIGHER EDUCATION

Office of the Chairperson
4th Floor, HEDC Building, CHED Central Office
C.P. Garcia Avenue, Diliman, Quezon City

Copy furnished:

MARY SYLVETTE T. GUNIGUNDO, Ph.D.

OIC- Director IV
Office of Planning, Research, and Knowledge Management
Commission on Higher Education
Ground Floor, HEDC Building, CHED Central Office
C.P. Garcia Avenue, Diliman, Quezon City
Telefax: (02) 8441-11-49 / 8441-11-69
Email: idig.k12oprkm@ched.gov.ph

Southern Luzon State University

Office of xxxxxxxxxxxxxx
Address: xxxxxxxxxxxxxxxx
Tel: xxxxxxxxxxxxxxxx
Facsimile: xxxxxxxxxxxxxxxx
Email: xxxxxxxxxxxxxxxx

Copy furnished:
<Name of Project Leader>
Office of xxxxxxxxxxxxxxxx
Address: xxxxxxxxxxxxxxxx
Contact Number: xxxxxxxxxxxxxxxx
Email: xxxxxxxxxxxxxxxx

- 2. If there is a change in the contact details above, both **PARTIES** must notify the other, and this identification is to be deemed duly given or made when delivered and acknowledged by the recipient at such address, electronic mail address, or facsimile number stated above;
- 3. The provisions of this Agreement may be amended at any time by the mutual consent in writing of both **PARTIES**;
- 4. Neither of the **PARTIES** may use the name or the logo of the other without the prior written consent of the other Party. Neither Party shall disclose to any third party that the **PARTIES** have a legal relationship until there is a signed contract in place;

(signature page as follows)

IN WITNESS WHEREOF, the parties hereto, through their respective representatives, have hereunto set their hands this ____ day of _____, 2021 at Quezon City, Philippines.

COMMISSION ON HIGHER
EDUCATION
"CHED"

By:



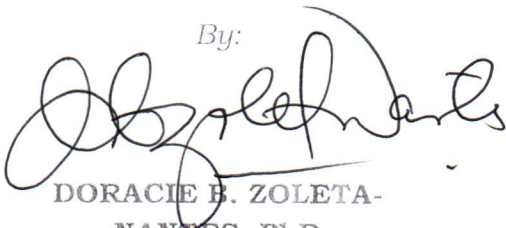
J. PROSPERO B. DE VERA III, DPA

Chairman



Southern Luzon State
University
"HEI"

By:



DORACIE B. ZOLETA-
NANTES, PhD

President/ Chancellor

Signed in the Presence of:



MARY SYLVETTE D. GUNIGUNDO, Ph.D.

OIC-Director IV, OPRKM

Commission on Higher Education



RENATO R. MAALIW III, DIT

Project Leader

CERTIFIED AS TO AVAILABILITY OF FUNDS:

₱ 5,429,300.-



MYRA PAZ B. MANALO

Chief Accountant

Higher Education Development Fund Staff

Commission on Higher Education

01/03 104369 2021 12 01210
12.23.2021

ACKNOWLEDGEMENT

REPUBLIC OF THE PHILIPPINES)

QUEZON CITY

BEFORE ME, a Notary Public, for and in QUEZON CITY, this DEC 29 2021 day of _____, _____, personally appeared:

	<u>Valid ID/ Passport</u> <u>no.</u>	<u>Issued on/ Issued</u> <u>at</u>
J. PROSPERO E. DE VERA III, DPA Chairman Commission on Higher Education	CO-0394	29 January 2018 CHED Central Office, Quezon City
DORACIE B. ZOLETA-NANTES, PhD President/ Chancellor Southern Luzon State University	X01-99-047539 Community Tax Certificate No. 00249669	January 13, 2021 Lucban, Quezon

Known to me, to the same person(s) who executed the foregoing instrument and who acknowledged to me that the same is their free and voluntary act and deed, and that of the institutions respectively represented.

The foregoing instrument refers to a Memorandum of Agreement (MOA) consisting of _____ pages, including the page in which this Acknowledgement is written, signed by the parties, including their instrumental witnesses on each and every page thereof and sealed with my notarial seal.

WITNESS MY HAND AND SEAL, on the date and place above written.

Doc No. 81
Page No. 17
Book No. XC
Series of 204

ATTY. ELISEO S. CALMA, JR.
Notary Public for Q.C. / Until Dec. 31, 2021
Adm. Matter No. NP-067 (2020-2021)
PTR No. 0694762-D/01-04-2021 Q.C.
IBP No. 141053/01-04-2021
Roll No. 50183
NOTARY PUBLIC
MCLE COMP. NO. VI-0012817 Valid Until 4-14-22
20 Kamagong St., Sapamanan Vill. East Fairview Q.C.
TIN No. 138-541-197-000



Republic of the Philippines
OFFICE OF THE PRESIDENT
COMMISSION ON HIGHER EDUCATION

10 February 2022

DORACIE B. ZOLETA-NANTES, Ph.D.

President
Southern Luzon State University
Lucban - Tayabas Rd, Lucban, 4328 Quezon

Dear President Zoleta-Nantes:


This is to inform you that your proposal for the Institutional Development and Innovation Grants (IDIG) project entitled ***Establishment of Geospatial and Data Analytics*** was approved by the CHED Commission *en banc* on December 9, 2021 through CEB Resolution No. R006-2021 .

As instructed by the Commission to not delay the approved budget and based on the signed and notarized Memorandum of Agreement (MOA) between CHED and your institution (see attached), you may already conduct preliminary preparations and pre-procurement activities while waiting for the issuance of the official Notice to Proceed (NTP) from the Commission.

If you have further questions or clarifications, kindly contact Mr. Carlo Luigi Asis of the IDIG Secretariat through idig.k12oprkm@ched.gov.ph.

For your information and guidance.

Very truly yours,


MARY SYLVETTE T. GUNIGUNDO, Ph.D.
OIC - Director IV
Office of Planning, Research, and Knowledge Management



Republic of the Philippines
OFFICE OF THE PRESIDENT
COMMISSION ON HIGHER EDUCATION

31 January 2022

NOTICE TO PROCEED

DORACIE B. ZOLETA-NANTES, Ph.D.

President

Southern Luzon State University

Lucban - Tayabas Rd, Lucban, 4328 Quezon



FEB 15 2022

By: _____

Dear **President Zoleta-Nantes**:

This has reference to our award of grant to your institution for the project entitled "**Establishment of Geospatial and Data Analytics**" under the Institutional Development and Innovation Grants (IDIG) per **CHED Memorandum Order No. 17, series of 2021**, for a duration of twenty-four (24) months with a total amount of **₱5,489,380.00** to be released in full.

In relation thereto, notice is hereby given that the implementation of the aforementioned project shall commence on the date indicated in this letter. Enclosed is a copy of the Memorandum of Agreement between CHED and the Southern Luzon State University indicating the terms and conditions of the grant.

Please acknowledge receipt and acceptance of this Notice by signing at the portion provided below. Keep a copy and return the original copy to the Office of Planning, Research, and Knowledge Management through Mary Sylvette T. Gunigundo Ph.D., OIC-Director IV, G/F HEDC Bldg., CP Garcia Avenue, Diliman, Quezon City.

Very truly yours,


ATTY. CINDERELLA FILIPINA S. BENITEZ-JARO

Executive Director IV

Commission on Higher Education

Conforme:

DORACIE B. ZOLETA-NANTES, Ph.D.

(signature above printed name)

LOED No. 62, series of 2022

LIST OF DUE AND DEMANDABLE ACCOUNTS PAYABLE - ADVICE TO DEBIT ACCOUNTS (LIDAP-ADA)

Department:
Entity Name:
Operating Unit:

OFFICE OF THE PRESIDENT
COMMISSION ON HIGHER EDUCATION
HIGHER EDUCATION DEVELOPMENT FUND STAFF

Fund Cluster:

03-104369

MDS-GSB BRANCH/MDS SUB ACCOUNT NO.: 2070-9017-84

MDS-GSB BRANCH/MDS SUB ACCOUNT NO. 2070000000						
LIST OF DUE AND DEMANDABLE ACCOUNTS PAYABLE						
NAME	DEBIT OR CREDIT	ACCOUNT NO.	AMOUNT	DATE	PERIOD	REMARKS
SOUTHERN LUZON STATE UNIVERSITY SPECIAL FUND PROJECT		LBP, LUCBAN - 3652-1012-74	MOOE 03-104369-2021-12-01210	5029906000	5,489,380.00	9922000020
					5,489,380.00	
					5,489,380.00	

TOTAL:

I hereby warrant that the above List of Due and Demandable A/P's was prepared in accordance with existing budgeting, accounting and auditing rules and regulations.

MYRAZ B. MANALO
Chief Accountant, HEDF

I hereby assume full responsibility for the veracity and accuracy of the listed claims, and the authenticity of the supporting documents as submitted to the claims courts.

APPROVED

J. PROSPERO E. DE VERA III, DPA
Chairman *CE*

DEBIT ACCOUNT	ADA
---------------	-----

DEBIT ACCOUNT (ADA)
To MDS-GSB of the Agency: Land Bank of the Philippines
Please debit MDS Sub-account Number:

2070-9017-84

Please debit MDS Sub-Account Number:
Please Credit the accounts of the above:

Please Credit the accounts of the above listed creditors to cover payment of accounts payable (if any).

TOTAL AMOUNT:

THIRTY FOUR MILLION FOUR HUNDRED EIGHTY NINE THOUSAND THREE HUNDRED EIGHTY PESOS & 00/100

Agency Authorized Signatories

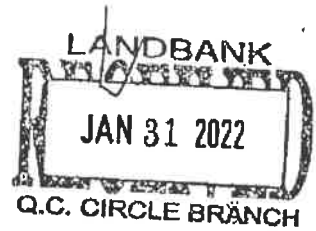
HOSANNA GARCIA
Administrative Officer V, HEDFS

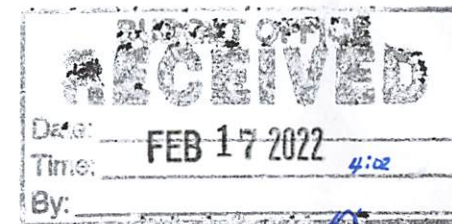
J. PROSPERO E. DE VERA (U), DPA
Chairman

Erasures shall invalidate this document.

UDDAP-ADA No.
Date:
NCA Number:

151-01-070-7021
January 27, 2021
12-0001206



[illegible]

50 licenses ArcGIS Desktop Advance (ArcGIS Pro and ArcMap) with extensions (2 years) - 3D Analyst - Data Interoperability - Data Reviewer - GeoStatistical Analyst - Network Analyst - Publisher - Schematics - Spatial Analyst - Tracking Analyst - Workflow Manager ArcGIS Online Cloud GIS with up to maximum 50 named users and extension and One (1) Organizational Account - ArcGIS Earth - Explorer for ArcGIS - Web Mapping Apps - Collector for ArcGIS - Survey 123 for ArcGIS - Operations Dashboard for ArcGIS - Workforce for ArcGIS - ArcGIS Maps for Adobe Creative Cloud - ArcGIS Maps for Office - Esri Maps for Sharepoint - Web AppBuilder for ArcGIS - StoryMaps and Web Apps Templates - AppStudio for ArcGIS Basic Up to maximum 50 licenses Premium Apps * After sales complementary training					DBM-PS/SVP/ Shopping		/	/	/	/	/	/						CHED Funded
Network Router Tri-Band WIFI - 10 Gbps 2.5Gbps WAN port, 8 Gigabit LAN Ports 1.8 GHz Quad-Core CPU and 3 coprocessors	unit	1	28,000.00	28,000.00	DBM-PS/SVP/ Shopping		/	/	/	/	/	/						CHED Funded
Network Switch Gigabit Ethernet Managed Switch with 24 port Fixed 24-Port 10/100/100MBase-T	unit	2	30,000.00	60,000.00	DBM-PS/SVP/ Shopping		/	/	/	/	/	/						CHED Funded
Graphic Drawing Pen Tablet Size: 338 x 219 x 8mm Active Area: 224 x 148mm Pressure Sensitivity: 8192 Pens included Wireless Capability: Built-in Bluetooth	unit	3	30,000.00	90,000.00	DBM-PS/SVP/ Shopping		/	/	/	/	/	/						Ched Funded
TOTAL				5,393,380.00														

Requested by:

Dr. Renato R. Masili III
Dean, College of Engineering

AFA-PRC-1.01F1, Rev.2

Certify as to Allotment

Ms. Maria Cristine D. Absulio
Budget Officer

Certify as to Availability of Fund

Dr. Erwin D. Villaverde
Head, Accounting Office

Recommending Approval:

Engr. Frederick T. Villa
Vice President for Administration
and Finance

3/18/22

Approved by:

Dr. Doracie B. Zoleta-Nantes
University President