



Southern Luzon
State University
ISO 9001:2015 Certified

Aspire. Achieve. Serve

ONE SLSU



2021-2025

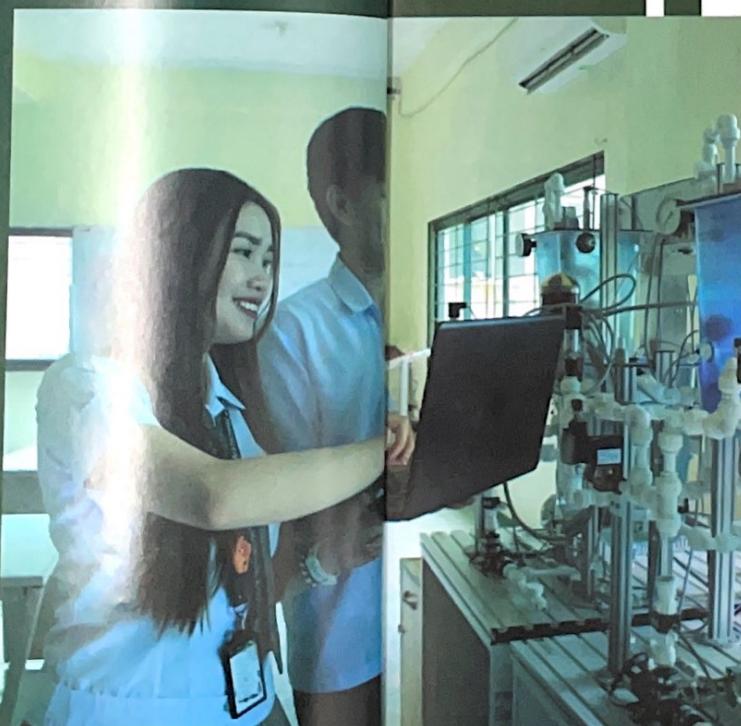
Medium-Term Development Plan

SLSU's Mandate – Republic Act (RA) 9395, Section

"The University shall primarily provide advanced education, professional, technological instruction in the fields of allied medicine, education, engineering, agriculture, fisheries, forestry, environment, arts and sciences, accountancy, cooperative, business and entrepreneurship, technology and other relevant fields of study. It shall also undertake research and extension services and provide progressive leadership in its areas of specialization."

As mandated by Republic Act (RA) 9395, Section 2, SLSU shall continuously serve with passion for excellence and strengthen its academic programs, research, and extension and production services to the community. With this, the University will continue to uphold inclusive learning by supporting Republic Act 10931 or the Universal Access to Quality Tertiary Education which extends free tuition fees and other miscellaneous fees to its undergraduate students, open more opportunities to deserving but economically-challenged students to pursue their college education and enrich their future aspirations.

ASPIRE



We are ONE in aspiration to become an excellent academic hub which delivers globally-competitive curricular programs, transdisciplinary and economically relevant researches, socially responsive development extension services, and innovative and community-centered production services.

VISION

Southern Luzon State University as an academic hub of excellent curricular programs, transdisciplinary researches, and responsive extension services that contributes to knowledge production, social development, and economic advancement of Quezon province and the CALABARZON Region.

MISSION

The university commits to develop a sustained culture of delivering quality services and undertaking continuous interdisciplinary innovations in instruction, research, and extension in the fields of agriculture, science, education, engineering, technology, allied health and medicine, human security, business, and the arts anchored to the development needs of Quezon province and the CALABARZON Region and national and global development goals.

ACHIEVE

We are ONE in achieving our aspiration through a highly committed and competent academic community which produces graduates who can make significant contributions to the national agenda for development, and engages in research, extension and production services that positively impacts the vulnerable and marginalized communities in the Province of Quezon and the CALABARZON region.

GOAL 1: Center for Teaching Excellence

SO 1: Enhance academic programs in adherence to national and international standards

SO 2: Create flexible educational opportunities in program offerings of colleges and campuses

SO 3: Expand the engagement of the University in the international arena by extending education programs, including exchange program opportunities for students and faculty

GOAL 2: Premier research university that generates S&T-based innovations

SO4: Increase and enhance the scope, prominence, and impact of disciplinal, inter-disciplinal and multi-disciplinal research, scholarship, and creative work for SLSU's various stakeholders (undergraduate and graduate students, faculty members, university employees, etc)

SO5: Generate more research-based journal articles for publication in an international refereed journals and other CHED accredited publications

SO6: Establish and maintain research centers that promote inter- and multi-disciplinary collaboration and foster generation of relevant researches



GOAL 3: Training institution that promotes gender-responsive, climate-resilient and community-driven development for all

SO7: To intensify linkages and partnerships with various national and international governments, HEIs, and other institutions

SO8: To increase the magnitude, prominence, viability and impact of extension programs, projects and activities

GOAL 4: Wider platform for students and personnel development

SO9: Intensify health awareness and allied-medicine-practices among SLSU personnel and students

SO10: Strengthen the capabilities and engagement of university personnel and extension managers in the practice of their profession and expertise in addressing the needs of the university and its community partners

SO11: Provide individuals significant opportunities for professional growth

GOAL 5: Facilities that support student learning enhancement and personnel's healthy working environment

SO12: Expanded infrastructure, responsive facilities and equipment, and readily available services for excellent academic hub in support to the university's curricular programs, transdisciplinary and responsive extension services

SO13: Smart Campuses in main and satellite campuses

GOAL 6: Strengthening local and international academe-industry and alumni linkages

SO14: Establish Institute of Foreign Languages

SO15: Participate in international consortia on professional groups and alumni associations

SO16: Create a strong alumni network

GOAL 7: Intensifying resource generation and risk management

SO17: Increase disbursement of funds by 92% or more of the obligation

SO18: Upgrade and safeguard physical facilities and its environments

SO19: Foster disaster resilient culture and crisis management in the University



SLSU for Social Progress & Transformation



With a population of 2,122,830 (Census of Population, 2015), majority of the population of the Province of Quezon are dependent on agriculture and fisheries. Despite being identified as one of the fastest growing economies from 2012 to 2016, it still has the highest poverty incidence rate among the provinces of the CALABARZON Region. As the only SUC in Quezon, SLSU is supportive of the province's development agenda by: producing competitive graduates who will cater its professional needs; conducting research projects that will contribute to policy development and responsive government programs; and, instituting extension services that provide wider opportunities for livelihood of the vulnerable sectors. This Development Plan is tailored to ensure that SLSU will be an instrument of social progress and transformation which will contribute to the development of Quezon Province and CALABARZON.

To produce graduates who will respond to the Region's in-demand workforce, SLSU will

We are ONE in serving the Filipino nation by being an instrument of social progress and transformation.

enhance its existing academic programs and ensure that all programs will have a Certificate of Program Compliance (COPC) from the Commission on Higher Education (CHED) by 2025. The University will become one of CALABARZON Region's academic centers for engineering and industrial technology courses to support the region's industrialization drive and address its needs for highly-trained and skilled construction, industrial and manufacturing workers in manufacturing and residential hubs, institutional areas, and export processing and industrial zones. SLSU graduates with industrial technology skills will fill the future

SERVE



Premier research university that generates S&T-based innovations

Research is one of the leading baselines to foster innovation. Through scholarly works, SLSU aims to generate more S&T-based outputs that will enhance the lives of communities. It is centered on research and extension programs that focus on the socio-economic advancement of life of the people and would subsequently create an impact on the development of the region. The institutional research and extension projects are anchored on the Harmonized National Research and Development Agenda.

In the last five years, the area of research has been productive and thriving in order to put the university in the roadmap of recognized research universities in the country. SLSU has focused on thematic areas of research and development comprising of 1) Organic Agriculture; 2) Cacao; 3) Nipa Products; 4) Coconut and Makapuno; 5) Bamboo; 6) Mushroom Production; 7) Apiculture; 8) Aqua-silviculture; 9) Environmental Protection and Management; 10) Education Systems; 11) Health Systems; 12) GIS; 13) Cross-cutting Concerns; and 14) Smart analytics, engineering innovations and green technology. In 2018 and 2019, Agri-Innovation and Value Addition has been the most studied area comprising 55% of the studies. Meanwhile, the Education and Health Systems both got 40%.

To continuously prosper in the field, research initiatives per campus were instituted. The Main Campus in Lucban oversees Mt. Banahaw de Lucban Rehabilitation Project and Mt. Banahaw de Lucban Botanic Garden Project, as well as the sustainability of the Organic Research and Development Center, Clonal Nursery, Tissue Culture and Microbiology Laboratory, and Upgraded Soils Laboratory. In addition, Alabat Campus focused on the Coastal Resource Development and Management, while Infanta Campus centered on the Nipa Sweeteners Production Center and its collaboration. In like manner, Lucena Campus dwelt on Engineering Design and Innovation Center and Center for Hazard and Environmental Resource Mapping. Moreover, Tagkawayan Campus directed their research on Aquaculture Research and Development Center, Promotion of Mud Crab Fattening and Crab Meat Processing Technologies, Refinement of Mussel Transplantation Techniques for Developing Mussel Farming Industry in Quezon and Food Processing Laboratory. Finally, Tiaong Campus concentrated on Apiculture Processing Center, Mushroom Hub: Product Development and Commercialization in Quezon Province, and Seed Technology Laboratory.

In terms of research facilities, the University was able to establish the: 1) Soils Laboratory; 2) Tissue Culture Laboratory; 3) Microbiology Laboratory; 4) Silviculture Laboratory; 5) Herbal Processing Center; 5) Apiculture Processing & Development Center; 6) Mushroom Hub; and 7) Nipa Processing Center. These are being utilized by the University for testing and production purposes. The facilities are established and maintained to continuously serve its purpose for the benefit of SLSU and its partner communities.

In addition to researches produced, the merited faculty of SLSU was able to publish fifteen (15) researches in international journals such as the Pertanika Journal, Asian EFL Journal, CELDA International Association of the Information Society and Philippine Higher Education Research Conservation. Likewise, the College of Agriculture was able to publish one (1) research in a Refereed CHED Accredited journal (Philippine Journal of Science). Moreover, the University presented a number of researches in national and regional fora. This proves that the quality of researches produced by the university has been in congruence with the standards of both the local and international standards.

In order to pursue excellence in the field of research, SLSU

reckoned funds from external institutions and agencies. Overall, SLSU was able to produce three (3) researches per program from CAG and sixteen (16) researches per project from CABHA, CAG, CAS, Infanta Campus, Tagkawayan Campus, and Tiaong Campus. The agencies, personalities and institutions which assisted in the production of the researches include DA-BAR, DENR, PCAARRD, NARTDI, PCIEERD, Sen. Loren Legarda, DOST-PCAARRD, and NEDA.

Lastly, the University has provided its fair share of inventions to aid in the commercialization of the communities. In 2019, SLSU was able to produce fifteen (15) inventions utilized by the local community. The contributors for these inventions were CAG (4), Alabat Campus (1), Infanta Campus (2), Tagkawayan Campus (7) and Tiaong Campus(1). Additionally, CAG, CEN and Lucena Campus contributed five (5) S&T Oriented Research Outputs such as Records (Research and Extension Completed and On-going Registered programs Database System), Local Water Governance and Water-Related Events Inventory in General Luna, Quezon in Database Information System, and S & T Interventions on the Production of Quality Planting Materials of Two Important Forest Tree Species indigenous in Mt. Banahaw de Lucban (Batikuling

Propagation, Nursery Management and Demo Farm Establishment).

Currently, there were 10 proposals that were approved by the SLSU BOR for implementation.

In going-over the achievements of SLSU for the past five years, the University has shown potential in the area of research as its colleges and campuses were able to produce research on a periodic basis. Likewise, various agricultural-related researches have been pioneered which has been an edge for the university as it is in line with the priority projects of the region, especially that the Province of Quezon is an agricultural arena. In terms of innovation, the University was able to contribute various inventions that are utilized by the local community.

Despite the accomplishments stated, there were gaps that SLSU must address in order to flourish more in the area of research. For one, the number of faculty who are engaged and trained in producing researches are very few in number, hence, a limited number of researches were published and presented. Also, the scope and topics of the researches were quite centered on one specific discipline which neglects complexity and creativity. It was also prominently observed that many research outputs were not copyrighted and patented which puts the

University at a disadvantage as it has no claim over the said outputs. In addition to this, the facilities that SLSU has to cater inter-, multi-, and transdisciplinary researches are very limited which restricts the university's capacity and capability to produce more scholarly works of research. Most colleges and campuses are amenable that research services require a lot of improvement and initiative. These gaps will be addressed in realizing its goal of becoming a premier research university.

In becoming a premier research university that generates science and technology-based innovations, SLSU will: 1) increase and enhance the scope, prominence, and impact of disciplinary, inter-disciplinary and multi-disciplinary research, scholarship, and creative work for SLSU's various stakeholders; 2) generate more research-based journal articles for publication in international refereed journal and other CHED accredited publications; and, 3) establish and maintain Research Centers that promote inter- and multi-disciplinary collaboration and foster generation of relevant researches.

In congruence with the research goals at the regional level, the University intends to empower the impact of research through **publication and presentation**, as well as with the expansion of research

content across disciplines. Likewise, the university targets to establish research centers, and research-based intellectual properties, as well as securing additional funds from external agencies. With these designed goals, the university is expected to become a premier research university.

SLSU specified viable plans that will support research and extension programs anchored on the Harmonized National Research and Development Agenda. As SLSU aims to increase the prominence and impact of research that generates S&T-based innovations, the University will grant assistance to faculty members conducting research which includes travel and research presentation assistance. Another objective is to institute a Professorial Research Lecture and a Research Mentoring Program that will enrich the research culture within faculty members. To encourage more personnel to engage in research activities, the Office of Research Services will have a 'Publication Assistance Program' and 'Incentive Programs' that aims to entice faculty members to publish papers in international journals indexed by Scopus, ISI or other CHED accredited journals. These programs are significant in ensuring that SLSU will be able to increase the volume and impact of research produced by faculty members. Furthermore, the

university proposes the establishment of research centers such as the: Center for Mt. Banahaw Studies; Mental health LINK Hub; Data Analytics and GeoSpatial Research Center; R&D Center for Dwarf Coconuts, and National Center for Fermented Alcoholic Beverages and Tropical Distilled Wines. With this, SLSU remains committed in providing interdisciplinary studies and economically relevant research programs that will help advance the socio-economic status of the people not only in the region but in the country.

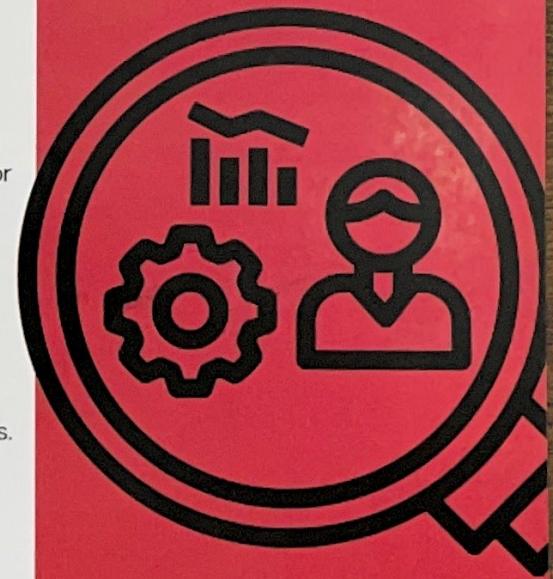
Recently, the CALABARZON is becoming popular for its agri-tourism farms and organic products. Many of the programs to be implemented by the province focuses on agriculture. Accordingly, it is worthwhile to explore Quezon's potential in vegetable production. In parallel, SLSU will be of assistance to the province through its many agricultural-related researches as well as centers and laboratories. Moreover, the university supports the region's aim of expanding economic opportunities in agriculture, forestry, and fisheries. Many satellite campuses, Alabat for one, have research initiatives that specializes in the said area. In like manner, the agriculture sector needs to embrace technology in order to maximize resources and its benefits. SLSU has laid out its plans to produce more inventions

that will cater to the needs of the local community. Such action is in line with the region's objective of becoming smarter and more innovative to adapt to rapidly changing technology and work requirements. Together with the production of more inventions, the University is pursuing to strengthen intellectual property rights to encourage people to generate more and quality innovative products and ideas. Technology adoption will be promoted and innovation will be encouraged in congruence with the region's agenda on "Patuloy na Pag-unlad". In the region's attempt in accomplishing its agenda, SLSU will be a prime mover that will extend its resources and manpower. Convergence between the region and the university shall create more opportunities that will boost the capacity and capability of both entities.

Overall, the proposed research endeavors for the next five years will contribute to the achievement of the CALABARZON Research and Development Plan for 2017-2022 and AmbisyonNatin 2040 in terms of advancing S&T and innovation, implementation of hazard and environmental resources management, ensuring ecological integrity, accelerating human capital development, and expanding economic opportunities in agriculture, forestry, and fisheries.

Further, the various researches will also contribute and provide for the local development through:

- Production of geospatial data and other related documents
- Protection and conservation of the flora and fauna resources of Mt. Banahaw
- Boost the competitive potential of coconut and its products in the Quezon
- Technical assistance to research-based technology for commercialization in the local community
- Development of small-scale local beer brewing stations from coconut, cacao, and other potential sources of fruit wines in the Province



Disciplinary, inter-disciplinary, multi-disciplinary research, scholarship and creative work

SLSU has a strong drive in pursuing the track of becoming one of the premier institutions that leads in the area of research. From a state university with average achievements in the area, SLSU aspires to increase the magnitude, prominence and impact of research, scholarship and creative work through conducting scholarly works that would enhance and engage staff and faculty researchers. With this, the capability and competency of the researchers in the university will be strengthened and a number of quality researches will be accomplished. The specific plans of the university in amplifying the prominence of research includes:

- Professional Lecture Series
- Research Mentoring Program
- Research Presentation Assistance Program
- Research congress/fora/in-

- house preview
- More external funding for researches
- Intellectual property filing and funding assistance

More research-based journal articles for publication

It is an advantage for the university to have faculties and staff who are able to publish research in recognized journals and publications. Research for publications is encouraged, but for the next five years, this practice will be accentuated to increase the number of published works and to maximize the researchers' capability. This will be achieved through the following projects and programs:

- Publication Assistance Program
- Incentive Program
- Financial assistance for citations monitoring
- Awards and recognitions
- R&D Network Enhancement Program

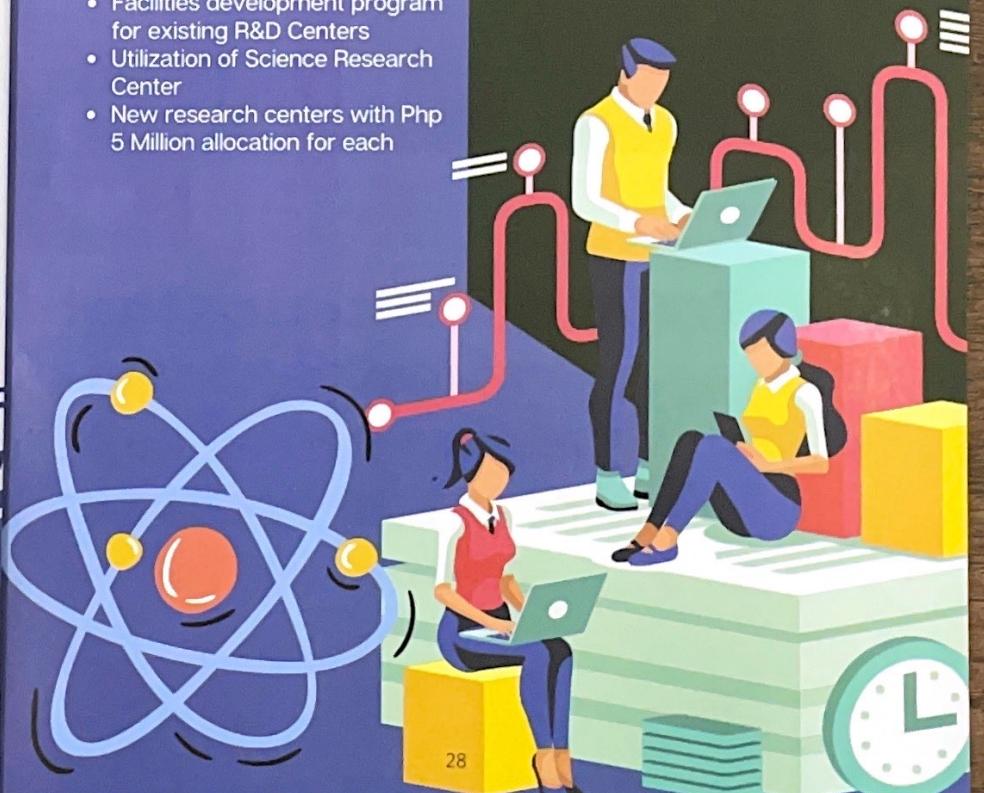
Establish and maintain research centers

To ensure that researches will be sustained, research centers shall be established to serve as a hub for all researchers. The proposed research centers dwell on inter- and multi-disciplinary collaborations. The university has long been conducting research across and among disciplines and it will be amplified in the next five years. The existing Research Centers will be sustained and five proposed research hubs will be established.

- Establishment of Research Hub
- Facilities development program for existing R&D Centers
- Utilization of Science Research Center
- New research centers with Php 5 Million allocation for each

Research Centers that will be Established from 2021-2025

1. Research and Development Center for Mt. Banahaw Studies
2. Mental Health Link Hub
3. Data Analytics and GeoSPatial Research Center
4. Research and Development Center for Dwarf Coconuts
5. National Center for Fermented Alcoholic Beverages and Tropical Distilled Wines



SLSU ROADMAP 2021-2025

- Development of SLSU Extension Campus in Lucban, Quezon (Phase 1)
- Continuous Accreditation of Programs (Level I to Level IV)
- SLSU Broadcast Station
- R&D Center for Mt. Banahaw Studies
- International Affairs and Graduate School Building

- Development of SLSU Extension Campus in Lucban, Quezon (Phase 3)
- BS Forestry and Teachers Education programs as COE
- BS Nursing & BS Business Administration as COD
- Data Analytics and GeoSpatial Research Center
- Institutional Sustainability Assessment
- 80% COPC of all programs

2021

2022

2023

2024

2025

- Development of SLSU Extension Campus in Lucban, Quezon (Phase 2)
- ASEAN University Network Quality Assurance (AUN) for BS Forestry
- College of Medicine
- Institute of Foreign Languages
- International consortia & linkages

- Development of SLSU Extension Campus in Lucban, Quezon (Phase 4)
- SUC Level IV
- National Research and Innovation Center for Tropical Wines, Beverages, and Distilled Spirits
- ABET Accreditation for BS Mechanical Engineering
- 100% COPC for all programs