



DAVAO DEL NORTE STATE COLLEGE

Office of the College and Board Secretary

Excerpts from the Minutes of the 3rd Quarter (103rd) Regular DNSC Board of Trustees Meeting, CY2020 dated 05 October 2020, 02:00pm to 7:00pm via Zoom Cloud Meeting Application.

DNSC BOARD OF TRUSTEES Resolution No. 57, Series of 2020

A RESOLUTION APPROVING THE PROPOSED FIVE-YEAR RESEARCH, DEVELOPMENT AND EXTENSION AGENDA OF DAVAO DEL NORTE STATE COLLEGE FOR C.Y.2020-2024

WHEREAS, pursuant to Republic Act 7722 or "An Act Creating the Commission on Higher Education (CHED)" which mandated the Commission "to inspire and enable Philippine higher education institutions (HEIs) in becoming platforms for research and development, innovation and extension in pursuit of inclusive social and economic development" and in consonance with regional, national, and international thrusts such as the Philippine Development Plan 2017-2022, Harmonized National Research and Development Agenda 2017-2022, Davao Regional Research Development Agenda 2017-2022 and the 2030 United Nations Sustainable Development Goals (SDGs), the DNSC Research, Development and Extension Agenda for CY2020-2024 are hereby crafted;

WHEREAS, these RDE agenda are also in line with the College's mandate, vision, mission and goals, the Davao del Norte State College has developed the Research, Development and Extension Agenda which will serve as guide on the research and development projects that the institution will undertake in the next five years;

WHEREAS, the RDE agenda aim to generate knowledge and to produce research outcomes that contribute to the College's vision to become a premier higher institution in Agri-Fisheries and Socio-Cultural research and development in the ASEAN Region and it also aims to foster a culture of research, to engage in multidisciplinary or interdisciplinary approaches and holistic and participatory development interventions;

WHEREAS, the RDE agenda further aim to address the issues and concerns confronted in our locality such as marine destruction, poverty, climate change, and cultural preservation and it shall further intensify utilization of research output and promote technology-based enterprise;

WHEREAS, the College submitted these RDE agenda for the approval of the Governing Board, incorporating all the salient comments of the Board.

NOW THEREFORE:

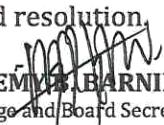
BE IT RESOLVED, AS IT IS HEREBY RESOLVED, upon the motion of Hon. Anthony C. Sales and duly seconded by Hon. Ma. Lourdes D. Lim, the Davao del Norte State College Board of Trustees hereby approved the proposed Five-Year Research, Development and Extension Agenda of Davao del Norte State College for C.Y.2020-2024, **subject to the compliance of the following condition:**

- a. Include the Fourth Industrial Revolution (FIRE) in the priority RDE agenda of the College in view of the move of CHED in mainstreaming the Fourth Industrial Revolution (FIRE) in the IREP activities of SUCs and to include Education 4.0 in the enhanced document.

RESOLVED, FINALLY, that a copy of this Resolution be furnished to the concerned personnel, offices, units and agencies for implementation, guidance, reference and/or information.

APPROVED AND ADOPTED during the 3rd Quarter (103rd) Regular DNSC Board of Trustees Meeting, CY2020 dated 05 October 2020, 02:00pm to 07:00pm via Zoom Cloud Meeting Application.

I HEREBY CERTIFY to the correctness of the above-quoted resolution.


JEREMIAS B. BARNIDO
College and Board Secretary

CERTIFIED
TRUE COPY



DAVAO DEL NORTE STATE COLLEGE

Office of the College and Board Secretary

Attested:

ALDRIN A. DARILAG

Chair, DNSC Board of Trustees
Commissioner, Commission on Higher Education

JOY M. SORROSA

Vice-Chair, DNSC Board of Trustees
College President, DNSC

EMMANUEL JOEL J. VILLANUEVA
Chair, Senate Committee on Higher, Technical
and Vocational Education
Member, DNSC Board of Trustees

Represented by

RENATO JUDE P. DIGAO
(absent)

MARK O. GO
Chair, HOR Committee on Higher and Technical Education
Member, DNSC Board of Trustees

Represented by

ALAN R. DUJALI
Vice Chair, HOR Committee on Higher and Technical Education
District Representative, Davao del Norte - 2nd District

Maria Lourdes D. Lim
MARIA LOURDES D. LIM
Member, DNSC Board of Trustees
Regional Director, NEDA XI

Rolando C. Casaway
ROLANDO C. CASAWAY
Member, DNSC Board of Trustees
Private Sector Representative

Kenny Allan P. Benigno
KENNY ALLAN P. BENIGNO
Member, DNSC Board of Trustees
Faculty Representative

Anthony C. Sales
ANTHONY C. SALES
Member, DNSC Board of Trustees
Regional Director, DOST XI

Dominador C. Casino
DOMINADOR C. CASINO
Member, DNSC Board of Trustees
Private Sector Representative

Amalia M. Caballero
AMALIA M. CABALLERO
Member, DNSC Board of Trustees
Alumni Representative



DNSC

Research, Development and Extension Agenda (2020 – 2024)





DAVAO DEL NORTE STATE COLLEGE

Table of Contents

Rationale	3
DNSC REP Strategic Framework.....	5
Goals	6
Strategic Outcomes	6
Enabling Strategies	6
Research Centers	7
Analysis of Issues and Concerns	8
DNSC RDE Agenda (2020-2024)	10
Implementing Mechanism	19
Budgetary Requirement	20
Fund Source	21
Alignment of DNSC RDE Agenda to International, National, Regional and Local R&D Agenda	22
Annexes	24
United Nations Sustainable Development Goals	25
Harmonized National Research and Development Agenda	26
Davao Regional Development Agenda	27
10 Point Agenda of LGU-Panabo	28
REP Development Targets	29
DNSC Matrix Results	31



DAVAO DEL NORTE STATE COLLEGE

Rationale

In line with our institution's mandate, vision, mission and goals, the Davao del Norte State College has developed Research, Development and Extension (RDE) Agenda which will serve as guide on the research and development projects we will undertake in the next five years. The agenda is in consonance with the regional, national, and international thrusts such as the Philippine Development Plan 2017-2022, Harmonized National Research and Development Agenda 2017-2022, Davao Regional Research Development Agenda 2017-2022 and the 2030 United Nations Sustainable Development Goals (SDGs). This is also responsive to the 4th Industrial Revolution.

The agenda aims to generate knowledge and to produce research outcomes that contribute to the college's vision to become a premier higher institution in agri-fisheries and socio-cultural development in the ASEAN region. It also aims to foster culture of research, engage multidisciplinary or interdisciplinary approaches and holistic and participatory development interventions. Establishment of Research Centers for Niche Research and Development Programs envisioned to support research and extension efforts.

DNSC Research, Development and Extension Agenda further aims to support expanding economic opportunities in agriculture, forestry and fishery, industry and services, advancing technology and innovation while ensuring ecological integrity, clean and healthy environment. The RDE agenda was also crafted to address the issues and concerns confronted in our locality such as poverty, climate change, and cultural preservation. Moreover, it shall intensify utilization of research output and promote technology-based enterprise.

The DNSC RDE Agenda is organized into 8 sectors namely: Biodiversity Conservation Management, Sustainable Food Production, Good Governance, Climate Change Adaptation and Disaster Risk Reduction, Human Capital Development, Preservation and Promotion of Indigenous Knowledge Systems, Sustainable Tourism and Entrepreneurship, and Upscaling Traditional Industry Processes.

The RDE Agenda was formulated by the different academic programs and consulted with the different stakeholders in Davao del Norte such as the Department of Education, Department of Science and Technology, Local Government Unit of Panabo City, and Bureau of Fisheries and Aquatic Resources.



DAVAO DEL NORTE STATE COLLEGE

DNSC REP Strategic Framework

**A Premier Higher Institution in
Agri-Fisheries and Socio-cultural
Development in the ASEAN Region**

**Improve and utilize industry-based research and,
increase and strengthen community engagement**

Highly engaged faculty, staff and students to Research, Extension and Production

Strengthened Partnerships and Linkages

Strengthened Intellectual Property, Knowledge and Techno Transfer

Established Research Centers

Ensured Profitability in Production Projects

Maximized Utilization of Research Outputs



DAVAO DEL NORTE STATE COLLEGE

DNSC REP Strategic Framework

Goals

- Promote the culture of research resulting to extension and production activities that improve quality of life in marginalized communities.
- Provide the clientele with relevant services that will focus on addressing pressing issues and concerns to create a sustainable and resilient communities in Mindanao and in the ASEAN Region.

Strategic Outcomes

1. Highly engaged faculty, staff and students to Research, Extension and Production
2. Strengthened partnerships and linkages
3. Strengthened intellectual property, knowledge and technology transfer
4. Established research centers for niched programs
5. Ensured profitability and collaboration of production projects
6. Maximized utilization of research outputs

Enabling Strategies

1. Intensify or increase the participation of faculty, staff and students to research and extension projects.
2. Provide connections and support to research presentations in national, regional and international fora.
3. Provide relevant trainings and write shops to enhance the research and extension capabilities of faculty and staff.
4. Revise the Research and Development (RD) manual aligned to DOST standards and relevant government issuances and orders.
5. Facilitate the processing of utility models, trademarks and copyrights of academic and research outputs of faculty, staff and students.
6. Mobilize faculty and students to strengthen the publication of research journal
7. Coordinate the establishment of research centers with concerned discipline and facilitate improvement of RD facilities needed by the centers.
8. Intensify the promotion of knowledge and technologies through the research and development outputs of the faculty.
9. Enhance coordination and collaboration with industry agencies to address researchable gaps in their company.
10. Spearhead the implementation of training and extension activities with various stakeholders, agencies and industries.
11. Strengthen manpower support to increase utilization of research outputs for production.



DAVAO DEL NORTE STATE COLLEGE

DNSC REP Strategic Framework

12. Strengthen financial support to research, extension and production projects through external grants and linkages.
13. Establish research and development centers for niched programs in marine biodiversity and conservation, geo-spatial center and, gender and development.

Research Centers

The research niche centers cater specialized areas of a scientific field where DNSC faculty has the potential to conduct research and generate knowledge for a significant period of time. This will enable DNSC to make a significant improvement in research by integrating development needs with existing Research and Development capabilities and resources including improvement of infrastructure. This will ultimately hasten the acquisition of relevant facilities, fixtures and equipment for the establishment of research centers at the same time also improve the existing research and development facilities in Davao del Norte. Furthermore, the establishment of research centers will hone the research skills of the faculty members and later, they will become competent with their respective fields.

Marine Biodiversity Center. The DNSC Marine Biodiversity Center investigates and documents the enormous diversity of marine and aquatic life through research at all levels, from genes to ecosystems level to provide scientific foundation for the conservation and education and ultimately maintain this diversity through development projects. Systematics and Biodiversity Informatics shall be the unifying theme to integrate biodiversity and information Technology. It shall showcase biodiversity through marine biodiversity museum to expand public awareness in the locality and strengthening linkages with local and international partners.

Gender and Development (GAD) Center. The DNSC GAD Center institutionalizes DNSC's commitment to the Philippine Plan for Gender Responsive Development 1995-2025 and the UN Sustainable Development Goals in order to mainstream gender and development in the College's policies, programs, projects and activities and in the delivery of public infrastructure and other development services. It is expected to bring about institutional change by providing equal rights and opportunities, and shared responsibilities among women and men.

Geo-spatial Center. The DNSC Geo-spatial Center manages the Geographic Information System (GIS) to provide efficient, high-quality GIS leadership, coordination, infrastructure, and services to facilitate the needs of DNSC and its service areas. Specifically it provides trainings and services on the fundamentals of GIS, data management, data visualization tools, and spatial analysis for GIS related projects of various fields, as well as support instruction. The center shall expand services through its linkages with local and international partners.



DAVAO DEL NORTE STATE COLLEGE

Analysis of Issues and Concerns





DAVAO DEL NORTE STATE COLLEGE

Analysis of Issues and Concerns





DAVAO DEL NORTE STATE COLLEGE

DNSC Research, Development and Extension Agenda

(2020-2024)

Promotion and Implementation of Marine Biodiversity Conservation Management

Sustainable Food Production and Product Development

Good Governance Initiatives to Promote Peace and Order in the Hinterlands

Innovations and Development of Climate Change Adaptation and Disaster Risk Reduction Programs

Development of Human Capital through Inclusive and Industry-based Education

Preservation and Promotion of Indigenous Knowledge Systems and Practices

Sustainable Tourism and Entrepreneurship

Upscale Traditional Industry Processes and Cybersecurity



DAVAO DEL NORTE STATE COLLEGE

DNSC Research, Development and Extension Agenda

(2020-2024)

Promotion and Implementation of Marine Biodiversity Conservation Management

Assessment and monitoring of the diversity of marine and aquatic life to provide scientific basis for the conservation and, ultimately maintain and, enhance fisheries and marine biodiversity.

Priority for 2020

- Population and growth studies in marine and coastal species and habitats (e.g. giant clams, fish)
- Assessment of fishing and aquaculture practices
- Socio-economic profiling of coastal communities

Priority for 2021

- Population and genetic studies in marine and coastal species and habitats (e.g. giant clams, fish)
 - Development of aquaculture and fish capture technologies
 - Assessment of fish catch, fishing and aquaculture practices
- Data Analytics of Biodiversity and Fishery Resources
- Geo-referencing of Rare and Red-listed Economically Important Species

Priority for 2022

- Economic valuation of ecosystems

Priority for 2023

- Bioremediation studies
- Modelling and simulations for ecological processes

Priority for 2024

- Advocacy on marine and fishery resources
- Reseeding and restocking of depleted marine and aquatic species
- Strengthening protected areas and fish sanctuaries

- Development of marine policy and advocacy materials on marine and fishery resources
- Propagation and protection of threatened, rare and economically important aquatic species
- Assessment of fishery laws, fishery management interventions (MPAs and fish sanctuaries)



DAVAO DEL NORTE STATE COLLEGE

DNSC Research, Development and Extension Agenda

(2020-2024)

Sustainable Food Production and Product Development

Development and application of new and innovative technologies for safe and sustainable food production, processing and product development of priority regional commodities using agriculture, fisheries and marine resources in Davao del Norte.

Priority for
2020

Priority for
2021

Priority for
2022

Priority for
2023

Priority for
2024

- Food and nutrition security of school children
- Product development of priority regional commodities in banana, pomelo, bangus, tilapia and tuna.

- Food safety knowledge and practices of food handlers/street food vendors including microbiological and physico-chemical analysis
- Food Production in smart kitchen



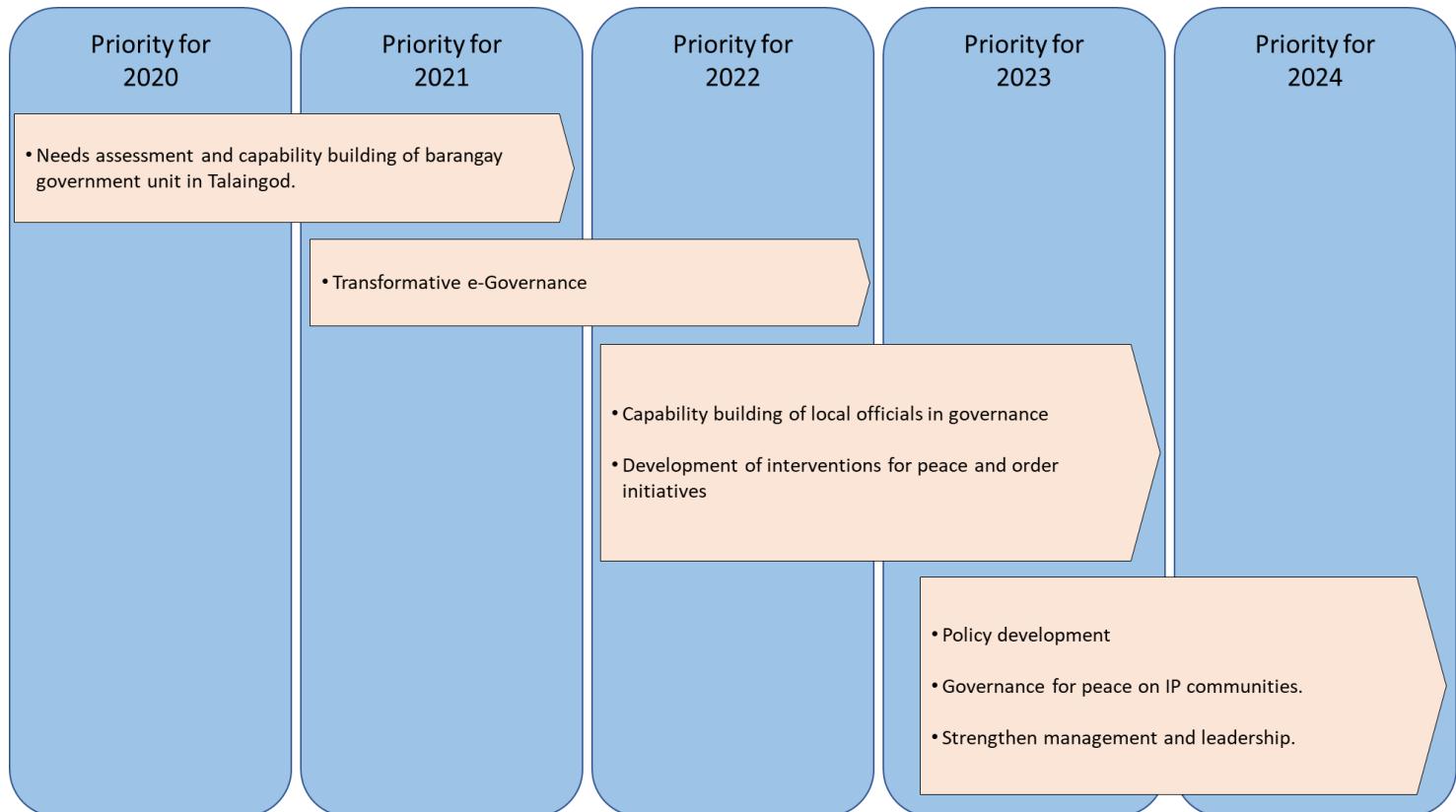
DAVAO DEL NORTE STATE COLLEGE

DNSC Research, Development and Extension Agenda

(2020-2024)

Good Governance Initiatives to Promote Peace and Order in the Hinterlands

Promotion of the rights of Indigenous People and residents of the Hinterland to self-determination and enjoyment and the right to freely determine their political status and pursue their economic, social, cultural and peace development. This also covers the sustainable use of natural resources and the protection of the environment.





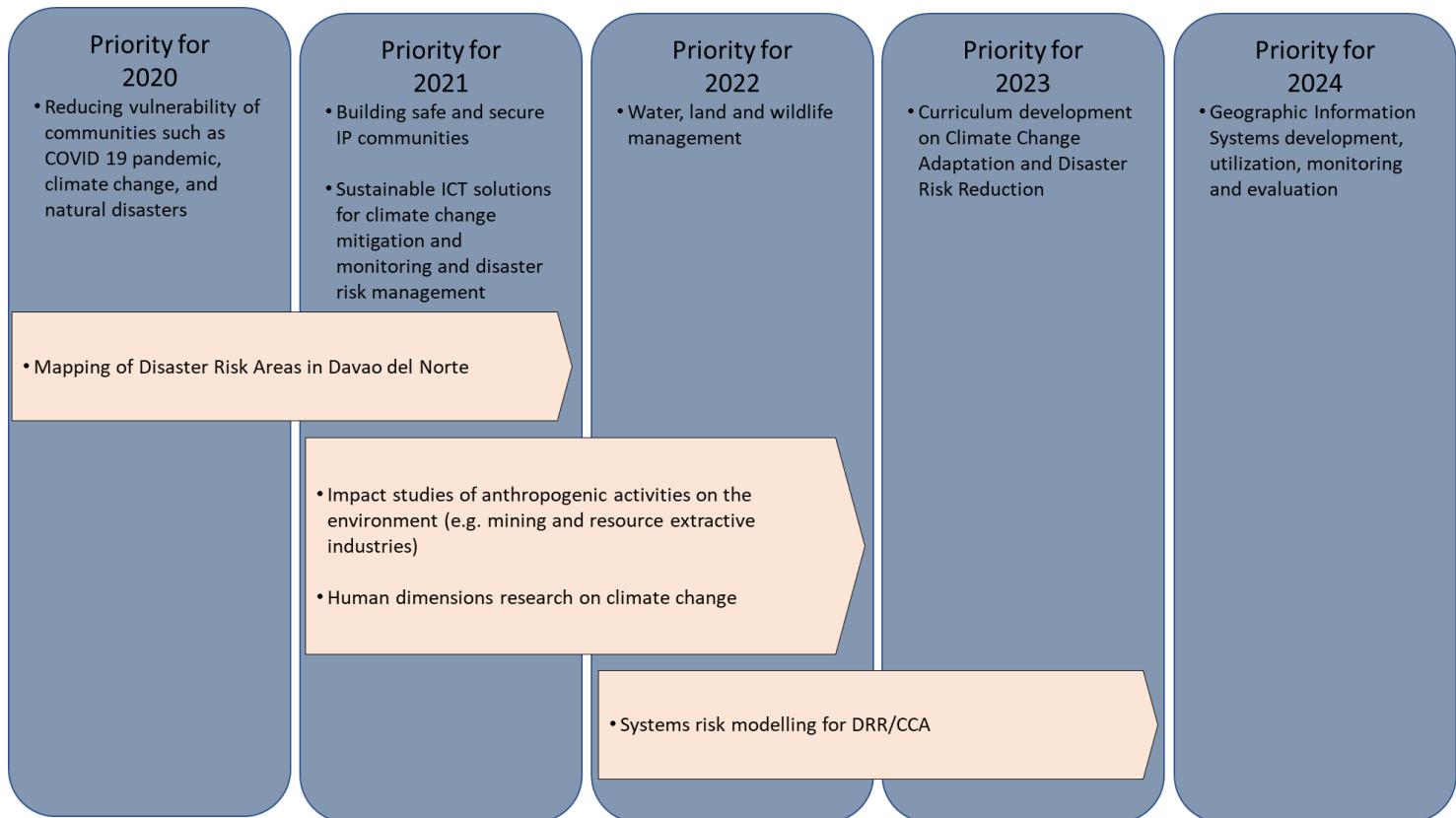
DAVAO DEL NORTE STATE COLLEGE

DNSC Research, Development and Extension Agenda

(2020-2024)

Innovations and Development of Climate Change Adaptation and Disaster Risk Reduction Programs

Promotion of sustainable level of well-being for local communities to increase the resilience of communities in coping with Climate Change and multi-hazards.





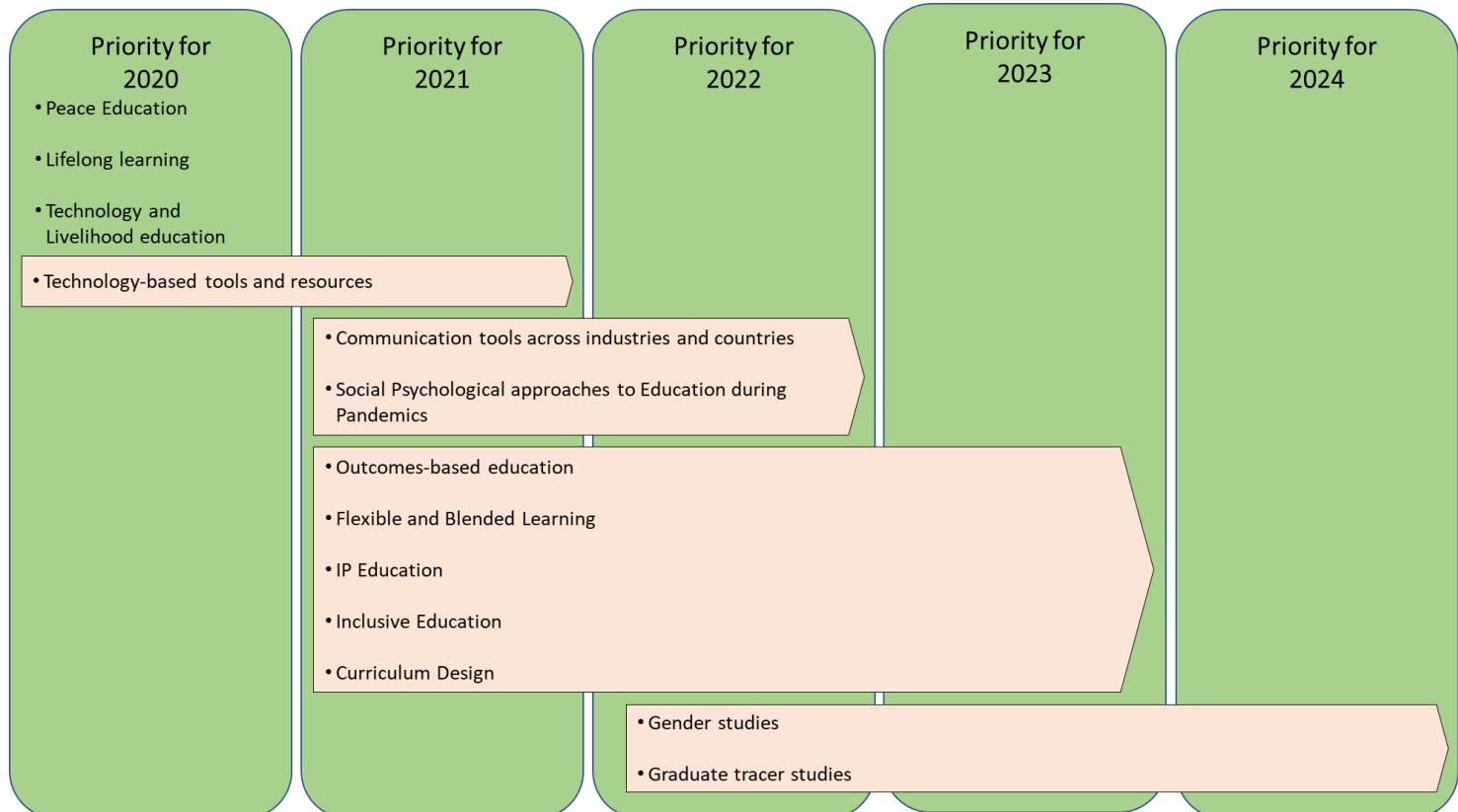
DAVAO DEL NORTE STATE COLLEGE

DNSC Research, Development and Extension Agenda

(2020-2024)

Development of Human Capital through Inclusive and Industry-based Education

Reengineering and redesigning curriculum responsive to industry and mainstreaming gender and development in DNSC policies, programs, projects and activities.





DAVAO DEL NORTE STATE COLLEGE

DNSC Research, Development and Extension Agenda

(2020-2024)

Preservation and Promotion of Indigenous Knowledge Systems and Practices

Assessment of knowledge systems, practices of IP Communities in Davao del Norte to promote sustainable development in the immediate communities.

Priority for 2020

- Documentation and promotion of cultural practices
- Documentation of traditional herbal medicines

Priority for 2021

- Documentation and promotion of IP literature and linguistics
- Livelihood and employment development program

Priority for 2022

- Cultural and social relations development program

Priority for 2023

- Multi-organic farming for indigenous people

Priority for 2024

- Reshaping Lumad community into DavNor Pine City

- Data Analytics of the Indigenous Knowledge Systems and Practices in Davao del Norte



DAVAO DEL NORTE STATE COLLEGE

DNSC Research, Development and Extension Agenda

(2020-2024)

Sustainable Tourism and Entrepreneurship

Development of sustainable tourism through social and ICT-based entrepreneurship.

Priority for 2020

- Identification of tourism opportunities
- Expansion of economic opportunities in agriculture, forestry and fisheries
- ICT based entrepreneurship

Priority for 2021

- Development of Agro-tourism business via Talaingod-Bukidnon road
- Behavior change through social marketing

Priority for 2022

- Establishment of farm to market road

Priority for 2023

- Development of museum for tourist attraction

Priority for 2024

- Establishment of tourist leisure and activities

• Digitalizing and automating sustainable business models

• Managing the supply chain



DAVAO DEL NORTE STATE COLLEGE

DNSC Research, Development and Extension Agenda

(2020-2024)

Upscale Traditional Industry Processes and Cybersecurity

Knowledge management and geo-spatial analysis for GIS related projects of various fields. This also includes protection of computer systems and networks from cyber-threats and unauthorized access to data centers and other computerized systems.

Priority for
2020

Priority for
2021

Priority for
2022

Priority for
2023

Priority for
2024

- Identification of gaps, need assessment and development of ICT solutions
- Technology development for data protection and intellectual property rights

- Identification of gaps, need assessment and development of ICT solutions including Geospatial Information System Center
- Technology development for data protection and intellectual property rights

- Digitization, cloud computing
- Real time data processing artificial intelligence

- Identification of gaps, need assessment development of ICT solutions including the use of GIS center for public use.



DAVAO DEL NORTE STATE COLLEGE

Implementing Mechanism

The implementation process shall begin with formulation of the RDE agenda in collaboration with the different academic units of the College and various stakeholders. Subsequently, the College will ensure achieving these agenda through monitoring and evaluation spearheaded by the unit through quarterly, semi-annual and annual monitoring and evaluation of REP projects.

The implementing and monitoring mechanisms shall be evidence based and will include the following:

1. *Assessment for Effective Implementation.* This is the process evaluation to see if the program is operating as envisioned.
2. *Assessment for Program Outcomes based on Evidences.* This provides evidence that the program is producing expected results and outcome performance is measured.
3. *Impact Evaluation.* This documents the program results to significant change or improvement in the life of the target beneficiaries.



DAVAO DEL NORTE STATE COLLEGE

Budgetary Requirement

The budget estimate is allocated for the implementation of the RDE programs and projects that are aligned to the RDE Agenda.

AGENDA	INDICATIVE BUDGET (in Pesos)					
	Y1	Y2	Y3	Y4	Y5	TOTAL
Promotion and Implementation of Marine Biodiversity Conservation Management	794,400	5,023,832	10,000,000	1,000,000	1,000,000	17,818,232
Sustainable Food Production and Product Development	699,960	720,959	742,588	764,865	787,811	3,716,183
Good Governance Initiatives to Promote Peace and Order in the Hinterlands.	100,000	103,000	106,090	109,273	112,551	530,914
Innovations and Development of Climate Change Adaptation and Disaster Risk Reduction Programs	227,032	506,811	515,204	515,456	515,464	2,279,967
Development of Human Capital through Inclusive and Industry-based Education	748,855	771,321	523,140	5,000,000	10,000,000	17,043,315
Preservation and Promotion of Indigenous Knowledge Systems and Practices	150,000	154,500	159,135	163,909	168,826	796,370
Sustainable Tourism and Entrepreneurship	250,000	107,500	253,225	257,597	257,727.90	1,126,050
Upscale Traditional Industry Processes and Cybersecurity	929,753	957,646	1,028,729	5,030,862	10,000,000	17,946,990
TOTAL	3,900,000	8,345,568	13,328,111	12,841,962	22,842,380	61,258,021



DAVAO DEL NORTE STATE COLLEGE

Fund Source

Budget will be allocated from the GAA and internally generated income like tuition fee collection at 10% each for research, extension and production projects. For 2020, the allocated total budget is ₱3,900,000.00. To generate additional funding source research and development proposals will be submitted to external funding partners like Department of Science and Technology-Philippine Council for Agriculture, Aquatic, and Natural Resources Research and Development (DOST-PCAARRD), Commission on Higher Education (CHED), LGU's and other government agencies.



DAVAO DEL NORTE STATE COLLEGE

Alignment to International, National, Regional and Local R&D Agenda of the College Research and Development Agenda 2020-2024

DNSC R&D Agenda	International ¹	National ²	Regional ³	Local ⁴
Promotion and Implementation of Marine Biodiversity Conservation Management	11. Sustainable Cities and Communities 13. Climate Action 14. Life Below Water	I. NIBRA: Sustainable Communities	Chapter 10: Accelerating Human Capital Development Chapter 20: Ensuring Ecological Integrity, Clean and Healthy Environment	Land Use and Environmental Management Educational Support Manpower Training and Youth Development
Sustainable Food Production and Product Development	Zero Hunger 3. Good Health and Well-being 12. Responsible Consumption and Production	I. NIBRA: Food and Nutrition Security III. AANR (Agriculture, Aquatic and Natural Resources Sector) IV Industry, Energy and Emerging Technology	Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry and Fisheries	Agricultural Support to Farmers and Fisherfolks Alleviation of Poverty Social and Health Services to Every Panaboans
Good Governance Initiatives to Promote Peace and Order in the Hinterlands.	16. Peace, Justice, and Strong Institutions 11. Sustainable Cities and Communities	I. NIBRA: Inclusive Nation Building	Chapter 5: Ensuring People-Centered, Clean and Efficient Governance	God Inspired Public Service Peace and Order Initiatives
Innovations and Development of Climate Change Adaptation and Disaster Risk Reduction Programs	13. Climate Action	V. DRR CCA (Disaster Risk Reduction and Climate Change Adaptation): Technology Development and Application for Climate Change Mitigation and Adaptation	Chapter 12: Building Safe and Secure Communities	Land Use and Environmental Management



DAVAO DEL NORTE STATE COLLEGE

Alignment to International, National, Regional and Local R&D Agenda of the College Research and Development Agenda 2020-2024

DNSC R&D Agenda	International ¹	National ²	Regional ³	Local ⁴
Development of Human Capital through Inclusive and Industry-based Education	11. Sustainable Cities and Communities	I. NIBRA: Inclusive Nation Building	Chapter 5: Ensuring People-Centered, Clean and Efficient Governance	Educational Support Manpower Training and Youth Development
Preservation and Promotion of Indigenous Knowledge Systems and Practices	16. Peace, Justice, and Strong Institutions 17. Partnerships for the Goals	I. NIBRA: Inclusive Nation Building	Chapter 7: Promoting Philippine Culture and Values	Peace and Order Initiatives
Sustainable Tourism and Entrepreneurship	8. Decent Work and Economic Growth	I. NIBRA: Sustainable Communities III. AANR: Technology Transfer	Chapter 9: Expanding Economic Opportunities In Industry And Services	Manpower Training and Youth Development Land Use and Environmental Management Alleviation of Poverty
Upscale Traditional Industry Processes and Cybersecurity	9. Industry, Innovation, and Infrastructure 11. Sustainable Cities and Communities	I. NIBRA: Sustainable Communities IV. Industry, Energy and Emerging Technology	Chapter 14: Vigorously Advancing Science, Technology and Innovation	Educational Support

¹ United Nations. 2015. Sustainable Development Goals. Accessed at <https://www.un.org/sustainabledevelopment/sustainable-development-goals/> (Annex A)

² Department of Science and Technology. Harmonized Research and Development Agenda 2017-2022. Accessed at <http://dost.gov.ph/phocadownload/Downloads/Journals/Approved%20Harmonized%20National%20RD%20Agenda%20%202017-2022.pdf> (Annex B)

³ National Economic Development Authority. 2017. Davao Regional Development Research Agenda (DRDRA), 2017-2022. Accessed at <http://nro11.neda.gov.ph/davao-regional-development-research-agenda-2017-2022/> (Annex C)

⁴ 10 Point Agenda of LGU-Panabo City by Mayor Relampagos (Annex D)



DAVAO DEL NORTE STATE COLLEGE

ANNEXES



DAVAO DEL NORTE STATE COLLEGE

Annex A

UN Sustainable Development Goals

SUSTAINABLE DEVELOPMENT GOALS





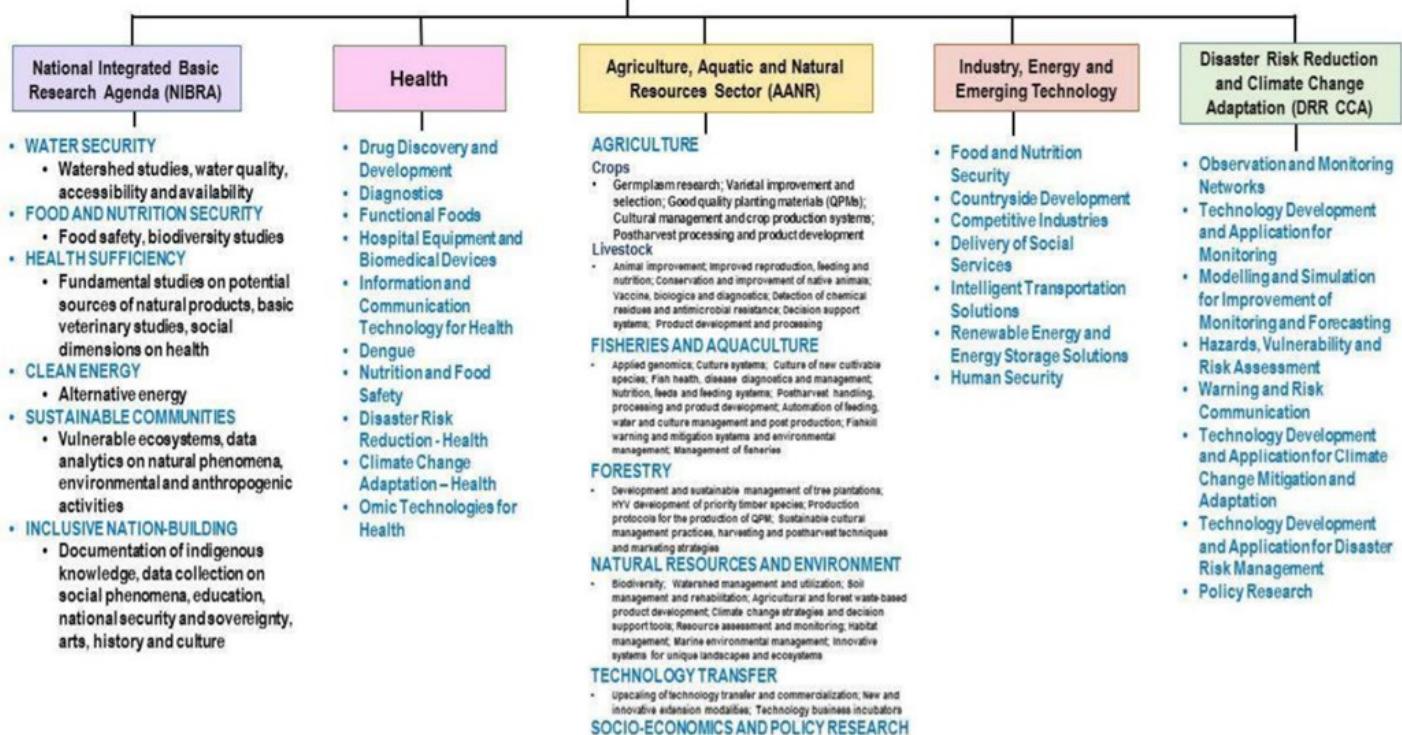
DAVAO DEL NORTE STATE COLLEGE

Annex B

Harmonized National R&D Agenda

HARMONIZED NATIONAL R&D AGENDA (2017-2022)

R&D Priority Areas and Programs





DAVAO DEL NORTE STATE COLLEGE

Annex C

Davao Regional Development Agenda 2017-2022

	Page No.
Introduction	1
Priority Research Agenda and Topics	4
<i>Enhancing the Moral and Social Fabric ("Malasakit")</i>	5
DRDP 2017-2022 Chapter 5: Ensuring People-Centered, Clean and Efficient Governance	6
DRDP 2017-2022 Chapter 6: Pursuing Swift and Fair Administration of Justice	7
DRDP 2017-2022 Chapter 7: Promoting Philippine Culture and Values	8
<i>Inequality-Reducing Transformation ("Pagbabago")</i>	9
DRDP 2017-2022 Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry and Fisheries	10
DRDP 2017-2022 Chapter 9: Expanding Economic Opportunities In Industry And Services	12
DRDP 2017-2022 Chapter 10: Accelerating Human Capital Development	14
DRDP 2017-2022 Chapter 11: Reducing Vulnerability of Individuals and Families	16

DRDP 2017-2022 Chapter 12: Building Safe and Secure Communities	18
<i>Increasing Growth Potential ("Patuloy na Pag-unlad")</i>	19
DRDP 2017-2022 Chapter 13: Reaching for the Demographic Dividend	20
DRDP 2017-2022 Chapter 14: Vigorously Advancing Science, Technology and Innovation	21
<i>Enabling and Supportive Economic Environment</i>	23
DRDP 2017-2022 Chapter 15: Ensuring Sound Macroeconomic Policy	24
<i>Foundation for Sustainable Development</i>	25
DRDP 2017-2022 Chapter 17: Attaining Just and Lasting Peace	26
DRDP 2017-2022 Chapter 18: Ensuring Security, Public Order, and Safety	27
DRDP 2017-2022 Chapter 19: Accelerating Infrastructure Development	28
DRDP 2017-2022 Chapter 20: Ensuring Ecological Integrity, Clean and Healthy Environment	30
Implementation and Monitoring and Evaluation Plan	31

Davao Regional Development Research Agenda, 2017-2022 Pg 2

Davao Regional Development Research Agenda, 2017-2022 Pg 3



DAVAO DEL NORTE STATE COLLEGE

Annex D

Panabo City Mayors 10-point Agenda



10 Point Agenda of LGU-Panabo by Mayor Relampagos

R – Road Construction and Other Infrastructure Development

E – Educational Support

L – Land Use and Environmental Management

A – Agricultural Support to Farmers and Fisherfolks

M – Manpower Training and Youth Development

P – Peace and Order Initiatives

A – Alleviation of Poverty

G – God Inspired Public Service

O – Organized Citizenry for Environmental Protection and Disaster

S – Social and Health Services to Every Panaboan



DAVAO DEL NORTE STATE COLLEGE

Research, Extension and Production Development Targets

Indicator	Baseline		End of Plan Target (2024)	
	Year	Value		
Strategic Outcome: Highly engaged faculty, staff and students to research, extension and production activities				
Increased number of researches conducted				
No. of research outputs completed within the year	2019	5	60	
No. of researches conducted anchored to RD Agenda	2019	10	60	
Increased percentage of researches presented in regional, national and international for a				
Percentage of researches presented in regional, national, and international fora	2019	50% (5/10)	55%	
Published DNSC research journal				
No. of publications	2019	0	5	
No. of copies distributed	2019	0	30	
No. of software for plagiarism purchased	2019	0	3	
Increased publication in ISI/Scopus/CHEd accredited journals				
No. of research outputs published	2019	3	14	
Increased number of externally funded projects				
No. of externally funded projects anchored to RD Agenda	2019	1	10	
Improved delivery of services to clienteles				
No. of revised RD policies based on ISO procedures, local, regional and national policies	2019	1	3	
Revised RDE Manual	2019	0	1	
No. of trade fairs, research exhibits, Agency-In-House reviews conducted/participated	2019	5	10	
Strategic Outcome: Strengthened intellectual property, knowledge and technology transfer and maximized utilization of research outputs				
Increased utilization of research outputs and generated technology				
No. of research outputs utilized in instructional activities	2019	0	5	
No. of research outputs utilized in extension and production activities	2019	0	5	
No. of research outputs utilized by clienteles	2019	0	5	
Increased intellectual property, knowledge and technology transfer				
No. of patents/utility model (and other IPs) applied	2019	0	15	
No. of patent/utility model write shops conducted/facilitated	2019	2	5	
No. of IP applications to IPOPHIL	2019	0	15	
Increased number of relevant extension programs				
No. of extension activities conducted	2019	13	30%	
No. of trainees weighted by length of training	2019	838.75	900	
Percentage of beneficiaries who rate the training course/s and advisory services as satisfactory or higher in terms of quality and relevance	2019	99.21% (629/624)	99%	
Increased percentage of IEC materials and packaged technology				
Percentage of packaged technology and IEC materials produced	2019	20%	100%	
No. of IP policies formulated	2019	0	3	



DAVAO DEL NORTE STATE COLLEGE

Research, Extension and Production Development Targets

Indicator	Baseline		End of Plan Target (2024)	
	Year	Value		
Strategic Outcome: Strengthened partnerships and linkages				
<i>Increased multidisciplinary/collaborative industry-based research with various industry partners</i>				
No. of multidisciplinary/collaborative projects conducted	2019	0	3	
No. of MOA with industry partners	2019	1	8	
<i>Increased active linkages with local and national agencies</i>				
No. of active partnerships with LGUs, industries, NGOs, NGAs, SMEs, and other stakeholders as a result of extension activities	2019	18	23	
Strategic Outcome: Established Research Centers based on niches				
No of research centers established	2019	0	3	
No. of proposals submitted for internal/ external funding	2019	1	3	
Percentage of relevant equipment acquired	2019	0	100%	
Strategic Outcome: Ensured profitability in production projects				
<i>Increased entrepreneurial and production activities</i>				
No. of MOA with industry partners, LGUs, NGOs and GOs	2019	1	8	
<i>Increased profitability and production of agriculture and fishery value added products and technology based enterprises</i>				
No. of production projects supported with RD funds	2019	2	5	
No. of profitable (based on ROI) production projects	2019	0	2	



DAVAO DEL NORTE STATE COLLEGE

DNSC Matrix Results



DNSC

Research, Development and Extension Agenda (2020 – 2024)

