

Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST – PCIEERD)
List of PCIEERD - funded Projects for 2022

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
					TOTAL	712,480,000
PCIEERD Human Resource Development	HRDP was created to complement the human resource needs and requirements of the industry, energy, and emerging technology sectors. The program provides grant for visiting experts, research attachment, paper presentations, attendance to seminars/trainings and conduct of seminars/trainings/ conferences.	<ul style="list-style-type: none"> • Filipino researchers • Local public and private academic or research institutions • Visiting experts, can be foreign or local experts who possess the expertise needed by the requesting institution 	2011	Continuing	MultiAgency	21,000,000
Young Innovators Program	The Young Innovators Program aims to encourage young researchers as young as high school students, to conduct independent research to accelerate the production of scientific workforce and encourage new and innovative research areas.	HS/BS/MS students (under age 30) involved in research / innovation activities	2017	Continuing	MultiAgency	5,000,000
Balik Scientist Program	The Balik Scientist Program (BSP) is a brain-gain initiative which encourages Filipino scientists, engineers, and experts now based outside of the Philippines to return to the country to work and actively participate in the country's efforts to strengthen the S&T capabilities of local researchers in the academe, public and private sectors, and industry, as well as to accelerate the flow of new strategic technologies that are vital to national development.	Local host institutions (government, public or private academic institution, or a Filipino-owned enterprise/ organization in the Philippines registered with the Securities and Exchange Commission (SEC))	2010	Continuing	MultiAgency	62,040,000

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Institution Development Program (IDP)	The IDP provides support for upgrading of research laboratories and facilities of academic and research institutions in areas within the PCIEERD sectoral priority areas or the Harmonized National R&D Agenda (HNRDA) and where there is inadequacy of research expertise and/or facilities. It includes upgrading and/or setting up of research laboratories, purchase of laboratory equipment (including highly specialized software)/facilities and small research grants aimed at developing research capabilities.	<ul style="list-style-type: none"> • Research institutions • Higher Education Institutions • State Colleges and Universities 	01-Jul-15	Continuing	MultiAgency	20,000,000
Regional S&T Consortia Program	The project aims to provide a clear direction for the regional consortia in terms of R&D and capability building undertakings and to monitor S&T activities that are significant in strengthening regional cooperation necessary in attaining national development goals.	<ul style="list-style-type: none"> • State Universities and Colleges • Higher Education Institutions • Regional partner agencies 	2014	Continuing	PCIEERD Regional Consortia Members	30,000,000
Higher Education Institution Readiness for Innovation and Technopreneurship (HeIRIT) Program						
Preparatory Program for Higher Education Institution Readiness for Innovation and Technopreneurship (HEIRIT) and Establishment of University TBIs	The HEIRIT Program is a structured training program designed to guide and equip each HEIs to plan, build, implement and operate their own TBIs and initiate the convergence of innovation activities from the StartUp community in their region.	<ul style="list-style-type: none"> • Students • Faculties • Alumni • Researchers • Entrepreneurs • Business leaders • Inventors 	02-Nov-21	01-Nov-25	HEIs and SUCs	6,000,000

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Establishment of DOST - ISAT U K'Dra 1905 Technology Business Incubator (KTBI)	The KTBI is intended to be a technology transfer and commercialization support facility that aims to translate through technology-based enterprise development the technologies and innovations generated under the College of Engineering and Architecture, and College of Industrial Technology into products and services for the use and benefit of the greater society.	<ul style="list-style-type: none"> • Students • Faculties • Alumni • Researchers • Entrepreneurs • Business Leaders • Inventors 	02-Jan-21	01-Jan-23	Iloilo Science and Technology University	3,367,146
Establishment of Technology Business Incubation Facility of Mapua University	The HEIRIT project of Mapua aims to establish and operate the University's Technology Business Incubator and to create a system that will complement the existing IP management and processes of the University. Through this project, the team will tap business leaders within the Yuchengco Group of Companies for valuation, business and investment knowhow.	<ul style="list-style-type: none"> • Faculty members and students of Mapua university who will establish start-up/spin-off companies • External clients 	04-Oct-21	03-Oct-23	Mapua University	2,608,548
Handholding Starting Incubators from HEIs for Readiness Towards Innovation and Technopreneurship Preparatory and Skills Acceleration for TBI Managers Optimizing Regional Startup Ecosystem (HiHEIRIT Pa More!)	The main objective of the project is to conduct a structured, needs-responsive, and immersive training program to guide TBI managers to plan, execute, and sustain TBI operations in their respective HEIs and regions with one (1) year handholding support to mentor incubator's project management teams in solving operational concerns during their implementation and establishment of a supportive startup ecosystem within their university and region.	<ul style="list-style-type: none"> • Faculty from HEIs in Regions 1,9, 12, and BARMM and other provinces in the Philippines without an established TBI • Those geographically distant from nearest TBIs 	01-Jan-22	31-Dec-23	UP Mindanao	5,771,094
IP Management for Academic Institutions Commercializing Technologies (IMPACT) Program						

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KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	The KTTO-IMPACT Program aims to increase utilization and commercialization of university-based research by providing fund support for the establishment of its technology protection and transfer policies/ processes, capability building of university tech transfer officers, conduct of audit/assessment of the results of researches, disclosure and protection of intellectual properties, promotion, and licensing of technologies.	<ul style="list-style-type: none"> • RDIs • Universities • Researchers 	05-Jul-18	Continuing	MultiAgency	32,205,170
Establishment of Adamson University Technology Transfer Processes	The project aims to establish and improve the university's technology transfer processes and put the commercialization effort for the university's technologies to a higher level.	<ul style="list-style-type: none"> • Faculty • Students • Researchers • Technopreneurs 	30-Jan-21	29-Jul-22	Adamson University	2,932,145
Establishment of Technology Management System at Samar State University	The project seeks to enhance the university's technology transfer processes and jumpstart commercialization of SSU technologies by implementing strategies for the increasing number of commerciable technologies, to continue SSU's drive and goals towards technology transfer and technopreneurship.	<ul style="list-style-type: none"> • Technology transfer officers • Faculty researchers • Technopreneurs • Students 	01-Oct-21	30-Sep-22	Samar State University	797,000
Establishment of the Technology Transfer and Commercialization Management System at Cagayan State University	This seeks to harness the Intellectual Property (IP) resources and technologies generated by the Faculty & Staff Researchers, Students Researchers from their research/innovation laboratories to be licensed to an entrepreneur or MSME or to established spinoff and startups.	<ul style="list-style-type: none"> • MSMEs and entrepreneurs in the Cagayan Valley Region • Faculty researchers of the Cagayan State University and its partner SUCs 	01-Jan-22	31-Dec-22	Cagayan State University - Andrews Campus	865,000

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Establishment of University of Mindanao Technology Transfer and Intellectual Property Management Office (UM-TTIPMO)	The project will establish the University's technology transfer processes and launch the technology commercialization activities of the University.	<ul style="list-style-type: none"> • Faculty and student researchers • University stakeholders • Industry partners and collaborators 	01-Jun-21	31-May-22	University of Mindanao	706,444
Reinforcing the Capability of the Technology Transfer Program of the DOST - Forest Products Research and Development Institute	The project seeks to strengthen the technology transfer and commercialization performance of the DOST-Forest Products Research and Development Institute (DOST-FPRDI).	<ul style="list-style-type: none"> • Wood and non-wood forest-based industries • Fabricators • Students • Researchers • FPRDI Institute 	01-Jan-22	31-Dec-22	Forest Products Research and Development Institute	735,604
Operationalizing Technology Transfer in T.I.P.: A Reference for T.I.P. Initiatives to Strengthen the Innovation Ecosystem	The project aims to operationalize T.I.P.'s technology transfer processes and strengthen its innovation ecosystem.	<ul style="list-style-type: none"> • Faculty members • Students • Alumni • Inventors/Innovators/ Researchers outside TIP • Industry 	26-Jul-21	25-Jul-22	Technological Institute of the Philippines - Quezon City	800,000

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Establishment of the SU-KTTO at Silliman University, Dumaguete City, Negros Oriental	This project aims to establish/improve the university's technology transfer processes and jumpstart the commercialization of university technologies.	<ul style="list-style-type: none"> • Universities and Schools • Faculties • Students • Researcher • Inventors • Creators • Innovators • Entrepreneurs and Technopreneurs • Business owners • Industries • Local Community 	01-Jun-21	31-May-22	Silliman University	567,914
Catalyzing Thomasian IP Generation and Utilization	This will improve the University of Santo Tomas Innovation and Technology Support Office (ITSO) operations and processes and facilitate commercialization of University-owned technologies in the various fields of discipline.	<ul style="list-style-type: none"> • University Stakeholders • Dominican Network of schools • Partner communities of the University • General public 	01-Sep-21	30-Aug-22	University of Santo Tomas	1,700,300
Establishment of Iloilo Science and Technology University Technology Transfer Processes	This project will capacitate the existing Technology Transfer Office through the provision of resources for productive process, effective protocols, IP management and commercialization of university-owned technologies.	<ul style="list-style-type: none"> • University researchers • Inventors • Manufacturers • MSMEs • The Community 	13-Sep-21	12-Sep-22	Iloilo Science and Technology University	813,000

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Establishment of Knowledge, Innovation and Technology Transfer Processes of the Holy Angel University	The project aims to establish and improve the university's intellectual property generations & technology transfer policies and processes and jumpstart the commercialization of university technologies. In order to do so, specific objectives should be met.	<ul style="list-style-type: none"> • University Staff • Students • Alumni • Other University/HEIs • MSMEs • LGUs • Industry Partners • Startups • All private individuals 	16-Sep-21	15-Sep-22	Holy Angel University	900,000
FASTRAC (Funding Assistance for Spin-Off and Translation of Research in Advancing Commercialization)	The FASTRAC Program is established to bridge the gap between R&D and commercialization of PCIEERD-funded technologies through translation of research results into marketable technologies or spinning off as a startup as mode for commercialization.	<ul style="list-style-type: none"> • Universities • Researchers • RDIs 	05-Jul-18	Continuing	MultiAgency	20,000,000
STARTUP Program						
Startup Grant Fund: Jumpstarting the Economy in the New Normal (Support Program for RA 11337)	As a response to the demand for quick and rapid solutions adapting to the "New Normal", the Startup Grant Fund shall support startups with technology-based solutions that can potentially contribute to economic rebirth.	<ul style="list-style-type: none"> • Students • Faculties • Alumni • Researchers • Entrepreneurs • Business leaders • Inventors 	01-Mar-17	Continuing	Multiagency	32,882,112
Exporter Incubation and Predictive Intelligence for Exporters – Improving the Capabilities of eCExport, an AI-powered export	The project aims to make the eCExport web-based platform ready and able to empower our MSMEs to make data-driven decisions and actions as they plan to export to the countries of Singapore, Canada, and Australia.	<ul style="list-style-type: none"> • Filipino MSMEs and their employees that are producing products that have good export potential • The community where the factories are located 	01-Sep-21	31-Aug-22	ECFULFILL Inc	2,461,446

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incubation platform for Filipino MSMEs						
Enhancement and Market Validation of Nutricoach (A work-from-home productivity tool for nutrition professionals)	The project will develop a global competitive productivity tool and platform that allows nutrition professionals to simplify and automate their work, easily handle more clients, and work remotely (work-from-home).	<ul style="list-style-type: none"> • Registered Nutritionist Dietitian- Philippines • Fitness Gym Clubs with hired Nutrition Professionals • Philippine Sports Commission (Nutrition Department) • People with major Non-Communicable Disease related to Nutrition & Lifestyle 	22-Jan-22	21-Jan-23	Nutricoach, Inc.	2,271,143
Virtual Reality and Networking Feature for our Virtual Events Platform	This project aims to scale up and enhance the Virnew Virtual Events Platform.	Business community (companies, professional associations, MSMEs, etc.)	01-Jan-22	31-Dec-22	Olern, Inc.	1,992,612
Improvement and Digitalization of Agri-Ecommerce Farm to Table Infrastructure	The project will support startups with technology-based solutions for them to overcome R&D roadblocks, strengthen Intellectual Property (IP), establish initial market traction, refine business model and prepare Business Continuity Plan.	<ul style="list-style-type: none"> • Cooperatives • Farmers Associations • Livelihood Groups 	13-Feb-22	12-Feb-23	Platform Technologies, Inc.	553,267

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Enhancement of XPERTO Events Management and Credentialing Platform using Cloud Technologies and Artificial Intelligence for Professionals	This will develop, validate, and deploy enhancements to the XPERTO event management and credentialing platform for seamless integration of technology and services, and provide more immersive and engaging learning experiences for students and professionals.	<ul style="list-style-type: none"> • Philippine Technological Council • Professionals in STEM (science, technology, engineering and mathematics) 	01-Feb-22	31-Jan-23	Wayvent Innovations, Inc.	1,742,530
Improvement of the MAGWAI Reef-Safe Sunscreen Formulation to Accelerate its Market Adoption	The project aims to protect marine biodiversity by getting consumers to switch to more sustainable and reef-safe sunscreen that reduces chemical pollution in the sea.	<ul style="list-style-type: none"> • Beachgoers • Tourists • Coastal communities 	01-Feb-22	31-Jan-23	Magwayen Organics, Inc	2,108,000
Jumpstarting the Economy in the New Normal: Supply Chain and Logistics						
An Agriculture Technology Platform automated logistics booking for farmers and fisherfolks	The project aims to create, deploy, and evaluate Agrabah's online logistics platform and traceability platform between farmers and wholesale buyers with corresponding policies, financing, and targeted extension services. It will focus on the enhancement of Agrabah purchasing and logistics platform by integrating automated logistics booking and utilizing backloading.	<ul style="list-style-type: none"> • Farmers • Fisherfolks • Institutional MFCG/enterprises • Truck drivers/operators 	23-Nov-21	22-Nov-22	Agrabah Ventures Inc.	1,000,000
Enhancement of the Prototype and Market Validation of Traceability Access for Consumer and Export powered by Artificial Intelligence	The proposed software system will have automated recording, AI-integrated catch documentation and reduced-person-to-person contact through interoperable cloud databases.	<ul style="list-style-type: none"> • One (1) fisher folks association • One (1) distributor or exporter 	16-Aug-21	15-Aug-22	CAWIL Data Analysis Services (CAWIL.AI)	1,084,200

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(TrACE.AI) Software System						
Improvement and Assessment of Marketability of an AI-powered Buyer-Supplier Matching and Management System for Businesses in the Philippines	The project will help businesses in the Philippines automatically find suppliers that are matched based on their buying needs.	<ul style="list-style-type: none"> • Micro-, small, and medium enterprises • Government 	01-Sep-21	31-Aug-22	Burket.Ph Incorporated	1,253,967
Enhancement and Validation of Zippee Logistics: A Franchise B2B Logistic Platform for Truck Owners and Franchisees	The project will focus on working with the Mindanao Development Authority (MinDA) to help drive awareness of to shippers, franchisees and truckers on this development initiative.	<ul style="list-style-type: none"> • Farmers and sellers • Franchisees • Truckers 	01-Aug-21	31-Jul-22	Bizooku Philippines, Inc	1,300,000
Enhancement of BizKit (The First Local Centralized Business Suite) to better facilitate cross-functional and holistic business operations in the new normal	BizKit Technologies Inc. aims to enable organizations to navigate through their digital transformation and transform their businesses for tomorrow.	Local business owners and staff/employees from different functions	01-Sep-21	31-Aug-22	BizKit Technologies, Inc.	1,042,000

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Prototype Enhancement for Digitizing Traditional Market Centers (Bagsakans) and Market Validation for a Networked Agricultural Clearing House	Agro-DigitalPH seeks to develop a product to digitally-support and transform brick and mortar market centers or bagsakans. The offering includes partnership and business model definitions to enable cross - fulfillment activities between bagsakans to demonstrate a Networked Agricultural Clearing House.	<ul style="list-style-type: none"> • Farmers and fishers cooperatives or associations • Bagsakan operators • Local government units • Consumers 	01-Mar-22	28-Feb-23	Verdant Seasons Farm Management Technologies Corporation	1,900,000
Enhancement and Market Validation of Airship Logistics, a Logistics Management Suite to Help Optimize the end-to-end Delivery Operations of e-commerce Logistics	This will enhance and supplement the existing Airship logistics management system with additional energy and cost efficient features through research and development of a robust route planning engine, automated and assisted sorting, and multi-hub delivery model.	<ul style="list-style-type: none"> • Local courier companies • e-commerce sellers • Consumers/buyers 	01-Mar-22	28-Feb-23	Rocket Labs Consulting Inc	1,500,000
Enhancement and Market Validation of OMG! Oh My Genie! (An AI-Enabled Automated Last Mile Fulfillment System for Brands and Suppliers)	The project will enhance the OMG! Oh My Genie online platform and its AI and automation technologies, and to validate the Last-Mile Fulfillment distribution model with brands and suppliers.	<ul style="list-style-type: none"> • Community- consumers • Businesses • Pandemic-displaced • Workers • Brick and mortar businesses 	01-Mar-22	28-Feb-23	Chimera Technologies Corporation	1,508,662
Jumpstarting the Economy in the New Normal: Learning/Education						

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Enhancement and Market Validation of Infnit LMS - a Learning Management System with Outcomes-Based Education Analytics	This project aims to improve and enhance the Infnit Learning Management System through the development of Outcomes-Based Education (OBE) analytics and development of various online collaboration tools for education.	<ul style="list-style-type: none"> • Schools offering K-12 courses • Colleges • Universities 	26-Sep-21	25-Sep-22	Advanced Infnit Technology Solutions, Inc.	727,087
Market Segment Validation and Targeting for CodeChum, An Online Programming Class Platform	This project aims to come up with the best paying market segment to marketable feature pairing (market segmentation analysis and targeting), and to be able to identify the best value in terms of pricing and pricing methods that will best fit this segment.	<ul style="list-style-type: none"> • High schools/colleges/universities • IT educators • Students taking up IT-related courses • CHED • DepEd • PSITE • DOST • Other organizational bodies under the education and science and technology sector 	01-Aug-21	31-Jul-22	Maranga Software Solutions	1,376,840
Enhancement of Prototype and Market Validation of TinkerClubs.com (A STEAM-Learning Platform for K-to-6 Learners)	This project aims to improve the performance of the Tinker Clubs platform and validate its usefulness in promoting STEAM learning for K-to-6 learners, as well as validate its commercial viability.	<ul style="list-style-type: none"> • Test users/participants from the identified testing sites • At least 10,000 learners in the first few years of its official launch to the public 	01-Sep-21	30-Oct-22	TinkerHouse, Inc.	514,383
Jumpstarting the Economy in the New Normal: Sustainable Industries						

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Enhancement and Market Validation of ROBIN (A reverse vendo machine for collecting PET bottles and aluminum cans)	The study will enhance and market validation of the reverse vendo platform dubbed as ROBIN or Recycle On-demand Bin (ROBIN).	<ul style="list-style-type: none"> • Community and environment • Universities and industry partners 	01-Sep-21	31-Aug-22	Robin Machine Manufacturing	1,207,500
Enhancement and Validation of the Advanced Robust Cooperative System (ARCS), an integrated Software-as-a-Service (SAAS) solution for cooperative management and regulatory compliance	The project aims to enhance and validate the technology of the Advanced Robust Cooperative System (ARCS), an integrated Software-as-a-Service (SAAS) solution tailored for Philippine cooperatives. ARCS provides integrated membership management, financial reporting, finance and loan management, HR, and regulatory compliance SAAS solutions to cooperatives regardless of their size.	18,000 various operating cooperatives in the country	10-Aug-21	09-Aug-22	IOL, Inc	999,990
Enhancement of Material Property of Lesstics Roofing Tile (Bio-based Insulation Polymer/Waste Single-Used Plastic Composite)	The objective of this project is to improve the material property of the existing prototype of Lesstics by densifying waste SUP aggregate in an insulation roofing tile and applying PMC topcoat layer.	Thriving local communities	17-Jan-22	16-Jan-23	Lesstics, Inc.	1,000,000
Jumpstarting the Economy in the New Normal: Tools for Public Service						
Enhancement of Local Disaster Reporting and Response System	The system will simplify the reporting process of emergency incidence and improve the response time of the responder. The said system was already tested in Municipality of Cortes, Surigao del Sur way back 2019.	<ul style="list-style-type: none"> • Members of vulnerable groups (Senior Citizens, Women, Children, Person with Disability, and LGBTQ) • Local Disaster Risk Reduction Offices of LGUs 	26-Jul-21	25-Jul-22	OBXS IT Solutions	944,000

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Women-Helping-Women: Innovating Social Enterprises (WHWISE)						
WHWise (Women-Helping-Women: Innovating Social Enterprises) Program	A Public-Private Partnership Program that brings together government agencies and private organizations to seek out and prepare women-led social enterprises for growth, scalability and subsequent VC funding. The program provides a suite of services which includes early stage funding, training, skills development, mentorship, and business incubation.	<ul style="list-style-type: none"> • Students • Faculties • Alumni • Researchers • Entrepreneurs • Business leaders • Inventors • Women 	01-Oct-21	Continuing	Multiagency	46,000,000
Innovation thru Building and Leveraging Entrepreneurship Development, Networking and inclusive Community Engagement for WomEntrepreneurs (iBLEnDNICE 4WomEn)	The iBLEnDNICE 4WomEn Program aims to establish a more cohesive and inclusive social innovation ecosystem thru capacitating WomEntrepreneurs in the Philippines.	Women-led Entreprises in the Philippines	01-Jan-22	31-Dec-23	Mindanao State University - Iligan Institute of Technology	10,692,324
Calunasan Cacao Pod Husk w/ Rice Hulls based Fuel Briquetting	The project aims to establish a small scale Briquetting Facility for the farm and neighboring communities.	<ul style="list-style-type: none"> • Calunasan Community broom makers • Unemployed residents of Calunasan 	07-Feb-22	06-Feb-23	Ofamen Cacao Farm	431,237
Prototype Improvement and Market Validation of AtoANI i-CROP Platform (A Databased Recommendation	This will improve the prototype of the AtoANI i-CROP analytics recommendation platform and market validation by partner farmers and customers within Bohol and Cebu.	Smallholder farmers	07-Feb-22	06-Feb-23	WVJA Food Products Manufacturing	1,832,400

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Platform for a Produce-to-Demand Agriculture Model)						
EdukSine App and Streaming Website	This project aims to develop the EdukSine app and streaming website that will showcase local independent films and support the community of independent filmmakers and producers.	<ul style="list-style-type: none"> • Independent filmmakers, producers, film marketers • Students, teachers • People who live in far-flung areas • Government Offices (Gender and Development) 	20-Dec-21	19-Dec-22	PIRFS Multimedia Distribution Services	1,918,000
Fully Accessible Cloud-Based Learning Management System (LMS) for Persons with Disabilities in the Philippines	The project will develop a fully accessible cloud-based learning management system and enable persons with disabilities to be equipped with digital skills to work in the digital economy.	<ul style="list-style-type: none"> • Persons with Disabilities particularly women and youth • Solo parents particularly single mothers • Out of school youth • Recovering drug addicts • Persons Deprived of Liberty (PDL) • Internally displaced persons (IDPs/refugees) • Displaced workers because of the COVID-19 pandemic 	14-Feb-22	13-Feb-23	Virtualahan, Inc	2,066,450
Development and Market Validation of Empath, a Mental Health App for Youth in High-Stress Situations	This project aims to contribute to enhancing the accessibility of mental health services in the Philippines.	Youth in high-stress situations	14-Feb-22	13-Feb-23	Empath Corporation	962,438

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Filipinnovation Entrepreneurship Corps 3 (FEC 3): Cohort 3 and Train-The-Trainer (TTTT) Module – Enabling Researchers to Assess Commercial and Societal Value of their Research	The project aims to institutionalize delivery with DOST an experiential-type training program for DOST-funded researchers to rapidly determine with potential partners and customers the commercial readiness of their research.	<ul style="list-style-type: none"> • DOST-funded researchers • Graduate students and educators who become entrepreneurial leads • De La Salle University • Technology transfer officers • Potential startups and industries 	04-Oct-21	03-Oct-22	De La Salle University	438,480
i-NEST (Innovation-to-Incubation for New & Emerging Space Technologies	The Innovation to Incubation NEST Program is a support mechanism provided to high-tech and emerging technologies that requires dedicated and specialized support for it to be commercialization. One example of emerging fields is the area of big data.	<ul style="list-style-type: none"> • Students • Faculties • Alumni • Researchers • Entrepreneurs • Business leaders • Inventors 	01-Oct-21	Continuing	Multiagency	4,000,000
SPARK UP (S&T Parks for Accelerating Research and Knowledge for Universities Program)	The SPARK-UP Program aims to support the transformation and application of the 30 DOST PCIEERD TBIs into full-blown S&T Parks. The program shall be implemented in partnership with the PEZA and the strategies shall include compliance to guidelines, branding, increasing client reach, provision of incentives and additional programs and building new programs meeting international practices for S&T Parks and Services.	<ul style="list-style-type: none"> • Students • Faculties • Alumni • Researchers • Entrepreneurs • Business leaders • Inventors 	01-Oct-21	Continuing	Multiagency	5,000,000

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SCI4GOV (Startups Creating Innovations for Government) Program	A Program that aims to deploy and/or hire startup teams, fund innovative innovative solutions by identifying the needs of government departments and challenging entrepreneurs to address them. It pays companies for their services while allowing them to test their prototypes in the real world.	<ul style="list-style-type: none"> • Students • Faculties • Alumni • Researchers • Entrepreneurs • Business leaders • Inventors 	01-Oct-21	Continuing	Multiagency	4,588,419
PCIEERD LINC (Leveraging Innovation Partners to Nurture Collaboration) (Events)	A Partnership umbrella program are established to further strengthen the capability of researchers, start-ups and entrepreneurs within the KTTO-IMPACT and DOST TBI Network; provide opportunities for growth through networking and events, match selected spin-offs and start-ups with a network of private partners and investors both local and international; and facilitate partnerships to promote institutional collaboration and resource sharing.	University researchers/startups	01-Mar-17	Continuing	<ul style="list-style-type: none"> • Board of Investments • Asian Institute of Management • MultiAgency 	5,000,000
PREP: Preparing Researchers as Entrepreneurs Program	A short training program for PCIEERD researchers who plan to commercialize their research outputs with the goal of providing them with the basic business and entrepreneurial skills for them to articulate their value proposition, identify market and craft a suitable business model.	University researchers/ startups	18-Jun-18	Continuing	<ul style="list-style-type: none"> • Ateneo de Manila University • HEIs, SUCs • MultiAgency 	5,000,000

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DOST-DTI-DICT Collaboration Project for International and Local Events for the Innovative Startup Act	The umbrella program is a collaborative effort and a partnership program between the DOST, DTI and the DICT in response to the mandates of the Innovative Startup Act RA 11337. The Partnership program provides support to startups to participate in local and international startup events, conferences and pitch sessions. This program hopes to expose local startups to different learning and competitive environments in order to equip them with the skills and experience they need in their startup business. The program also covers support for events organized together by the three agencies.	Startups and startup enablers	15-Aug-18	Continuing	<ul style="list-style-type: none"> • QBO • DTI-EM • DICT • MultiAgency 	8,000,000
Impact Assessment Program						
Impact Assessment of DOST/ PCIEERD Funded Projects	To conduct Impact Assessment of DOST-PCIEERD funded and monitored projects. This undertaking expands its monitoring and evaluation process to cover beyond the 6Ps (i.e., Publications, Patents, Product Value, People Services, Places and Partnerships, and Policies) metric by including medium and long-term benefits.	<ul style="list-style-type: none"> • PCIEERD decision makers • Researchers • Project managers • LGUs • General public 	2018	Continuing	Multiagency	7,289,149
Impact Assessment of the PHIL LiDAR Program	The study aims to determine the impacts brought about by the PHIL LiDAR Programs 1 and 2. The impact assessment will be done to evaluate the achievement of the program's development objectives; assess the benefits and gains and the impact of the project to the targeted beneficiaries; and document the lessons learned in the implementation of the	<ul style="list-style-type: none"> • Decision-makers for LiDAR projects and programs • Researchers involved in LiDAR projects and programs or in the disciplines and fields • Evaluators of LiDAR projects and programs 	01-May-22	30-Apr-23	Visayas State University	2,710,851

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
	program that could be adopted in the design or implementation of similar or relevant interventions in the future.	<ul style="list-style-type: none"> Government agencies that use PHIL LiDAR 				
Utilising Marine Renewable Energy to Satisfy Community Energy Demands and Stimulate Socio-Economic Development within the Philippines	The project aims to advance the marine resource characterization methodology to quantify marine energy extraction potential in the context of power and capacity yield, perform energy systems analysis in consideration with community demand, conduct technology matching, supply chain analysis, and develop a proposal for a demonstration project in Mindanao.	Government agencies i.e. DOE, NPC, NEA, DOST and the Electrical National Network or where the local energy consumption can be complemented	02-Aug-21	01-Aug-23	Ateneo de Davao University	3,524,887
Design, development, demonstration and business planning of a FLEXible Electric Van (FLEV) for logistics and passenger transport use	The project will develop a 'skateboard platform' chassis which can be revertible from a delivery vehicle and a passenger transport vehicle, without sacrificing structural integrity, safety, and function.	<ul style="list-style-type: none"> Local electric vehicle manufacturing and parts industry Urban population Public transport and logistics sector National government 	01-Jan-21	03-Jan-23	De La Salle University	2,829,970
Enhancement of Transportation Management Software (E-TraMS)	The project aims to package LocalSim and T4Cast into one software suite – a powerful tool that will provide improved usability and functionality for the target users while building the capacity of LGUs to manage small-scale traffic (by using LocalSim's microscopic traffic simulator) and plan long-term solutions that adapt to the ever-changing traffic demand profile in urban regions (by using T4Cast's traffic forecasting outputs).	<ul style="list-style-type: none"> Transportation industry Local government unit Traffic offices 	01-Jan-20	30-Jun-22	UP Diliman	600,032

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
Progressive Advancement of Transportation networks through the Integration of vehicular Onboard Technologies with online platforms (ArangKaDATA)	The project will initially study how the Filipino riding public interacts with the technology that is already present in a limited in sense in our public transportation (e.g., some buses already offer free WiFi). The learnings from such a study will then inform the design, prototyping and testing of systems and platforms built around the onboard technologies (dashboard cameras, GNSS receivers, CCTVs, automated fare collection system, free WiFi) being required by Department of Transportation's (DoTr) Department Order No. 2017-11, "Omnibus Guidelines On The Planning And Identification Of Public Road Transportation Services And Franchise Issuance", also known as the Public Utility Vehicle Modernization Plan, or PUVMP .	<ul style="list-style-type: none"> • Commuters • Service operator • Regulators and law enforcement 	11-Jan-21	10-Jan-23	UP Diliman	3,819,756
Safe, Efficient, and Sustainable Solar-Assisted Plug-In Electric Boat (Sessy E-Boat)	The design and implementation of the power and control system for efficient and sustainable electric boats will be the primary scope of the project. This project will use the locally developed automatic identification system or AIS as safety feature and shall explore the development of controllers for autonomous electric boats.	<ul style="list-style-type: none"> • DOE • MARINA • Transportation and tourism in Talim Island, Rizal 	04-Jan-21	03-Jan-23	Mapua University	6,436,839
Green Alternative Systems for Coastal, Inland, and Interisland Waterways Transport Systems						

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
Project 1. Development of Hybrid Marine - Air Vehicle to Satisfy various Rapid and Efficient Interisland Transport needs in the Philippines	This research study will design, build, and fly a hybrid marine - air wing - in -surface effect (WISE) vehicle prototype for rapid and efficient interisland transport applications in an archipelagic country like the Philippines.	<ul style="list-style-type: none"> • Local government units • Bureau of Fisheries and Aquatic Resources • Philippine Navy • Department of National Defense • National Disaster Risk Reduction and Management Council • Maritime Industry Authority • Civil Aviation Authority of the Philippines • Local Boat Builders and Composite Materials Manufacturers • Higher Education Institutes 	01-Jan-22	31-Dec-24	Cebu Technological University	25,793,518
Comparative Study Between Standard Methods and Philippine Made PM and CO Measuring Devices	This project involves comparative study of the Philippine made sensors and measuring devices with the standard methods prescribed by the USEPA and followed by the EMB-DENR as well. As such, it is envisioned that the output will assist in addressing air pollution problems by ensuring the results of the developed air monitoring sensors and measuring devices are valid.	<ul style="list-style-type: none"> • Filipino scientists and researchers working on air quality sensors and device development particularly PM and CO • DENR and DTI • Private Emission Testing Centers (PETCs) and Industries with stacks 	01-Jan-22	31-Dec-23	Industrial Technology Development Institute	4,397,800
Future Flood Risk in the Philippines and Thailand: Dynamics of Land Development, Subsidence and Climate Change	This research focuses on the determination of the impact of subsidence to the occurrence of flooding in Philippines and Thailand using a physically based hydrological model.	<ul style="list-style-type: none"> • LGUs of Tagum and CAMANAVA area • Disaster management plans • Crafting of land - use plans 	2023	2026	Mines and Geosciences Bureau	5,141,912
Materials for Sustainable Construction and Recyclables Applied to Projects (M-SCRAP)						

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
Project 1. Development of Fiber-Reinforced Self-Compacting Concrete (SFRSCC) for corrosion reduction	The project aims to develop a fiber-reinforced self-compacting concrete using natural fibers and fiber from industrial waste to mitigate reinforcement corrosion.	<ul style="list-style-type: none"> • Government and Private Projects • Batching Plants • Researchers 	01-Jan-21	31-Dec-22	Far Eastern University	3,830,293
Project 2. Green Fiber-reinforced Polymer (FRP) Composites as an Innovative Repair System for Earthquake-prone Historical Buildings	The project aims to develop a new sustainable construction material using environmental-friendly polymeric matrices and organic basalt fiber reinforcement to be applied in heritage structures.	<ul style="list-style-type: none"> • National Historical Commission of the Philippines • Department of Public Works and Highways • General public 	01-Jan-21	31-Dec-22	De La Salle University	3,683,637
Engineered smart concrete utilizing indigenous wastes for durable and intelligent infrastructure	The project will optimize the use of indigenous wastes such as durian rinds and coconut husks to develop engineered smart concrete, i.e. self-sensing and self-healing composites for durable and intelligent infrastructures.	<ul style="list-style-type: none"> • DPWH • Construction Industry • Environment • General public for the safety of public infrastructures • Academe 	02-Aug-21	01-Aug-23	University of Mindanao	3,858,304
Production and Improvement of Construction Materials using Bacterial Calcite Precipitation	This project explores the application of microorganisms to the construction sector through the production of bio cement that can replace cement in construction materials.	<ul style="list-style-type: none"> • DPWH • Construction and cement industry 	01-Jun-21	31-May-22	UP Diliman	1,871,160
Securing Water Resources in Tourist Destinations in the Philippines: Pilot Study in Boracay Island (Comprehensive Water Resources Assessment and Management Plan for Nabaoy River Watershed and Boracay Island)						

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
Project 1. Water for Tourism: A Science-Based Water Resource Monitoring and Management Planning Guide for Tourist Destinations in the Philippines	The project intends to provide a comprehensive understanding on the quantity and quality of surface and groundwater resources in the Nabaoy River Watershed and Boracay Island.	LGUs of and located near Nabaoy River Watershed and in Boracay Island	16-Mar-21	15-Sep-22	Ateneo de Manila University	3,132,538
Project 2. Hydrological Characterization of Boracay Island's Groundwater System and Nabaoy River Watershed Using Isotope Techniques	The project proposes to provide comprehensive understanding on the quantity and quality of freshwater resources in the Island of Boracay and the Nabaoy River Watershed, and to ensure long-term and sustainable management of water resources in the selected study areas.	LGUs of and located near Nabaoy River Watershed and in Boracay Island	16-Mar-21	15-Sep-22	Philippine Nuclear Research Institute	1,081,048
Integrated Flood and Water Resources Management in ASEAN Basins for Sustainable Development	The project aims to develop new innovative approaches and techniques for integrated flood, sediment and water resources management considering climate and land-use effects for the Cagayan river basin through knowledge and technology transfer from the Japanese partner.	<ul style="list-style-type: none"> • River Basin Organizations (i.e. Cagayan River Basin Management Council) • Dam owners and operators (NIA, Hydropower companies) • Local Government Units and NGOs, HEIs, NGAs (NWRB, NIA, DOST, DA, DOE, DILG, DPWH) 	01-Mar-21	28-Feb-23	Isabela State University - Echague	5,752,310

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
Development of Innovative Food Products from Colored Philippine Tubers and Root Crops through the UPLB-DOST Food Innovation Center	This project will develop innovative products from and optimize processing of colored tubers and root crops (sweet potato, potato, yam and taro) and recommend appropriate cultivars for powder, paste, baked and noodle products (specialty bread mix, no-bake cookies mix, cake mix, cassava cake mix, and gluten-free noodles), fermented food products and non-alcoholic beverages (wine, soju-like beverage, yogurt and yogurt drink), and natural colorants for sausages.	Kalsangi Corporation Panaderia Pantoja Quezon Food and Herbal Processing Center	01-May-21	30-Apr-23	UP Los Baños	2,199,560
Thermal Processing of Selected Materials Using Agitated-Type Retorts	The study will establish thermal processing schedule using agitated retort and consolidate appropriate quality parameters for tropical fruits and sweet preserves in the Philippines. This will bring these export products to the next level: quality improvement in terms of batch quality uniformity, nutritional content retention, and reduction in product rejections.	Green Harvest Blue Macay Global Food Solutions	16-May-21	14-May-23	Industrial Technology Development Institute	3,823,236
Plant Protein Products from Local Sources	The goal of this study is to develop methods to produce protein concentrate from industrial scale processing by-products and local underutilized legumes.	<ul style="list-style-type: none"> • Local producers of coconut, VCO, legumes, rice and rice bran • Local food processors • Food ingredient and food additive suppliers 	01-Jul-20	30-Jun-22	Industrial Technology Development Institute	2,783,685
Development of Halal Compliant Dehydrated Food Products from Selected Food Materials (Fruits,	The project aims to document the existing process and produce dehydrated fruits, vegetables and root crops products following halal process in every step of production.	<ul style="list-style-type: none"> • Food Manufacturers/Processors • Food Consumers • Food trade organizations/ association and academic 	01-Jan-21	31-Dec-22	Industrial Technology Development Institute	1,723,878

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
Vegetables and Rootcrops)		Institution • Food Exporters/Importers				
Development and Field Testing of Retort Foods as Food Ration for Men in Uniform during Combat and High-Risk Operations	The project is expected to make a significant impact on the life of soldiers specifically those assigned in combat and high-risk operations. The RTE foods that will be developed will take into consideration factors such as nutritional requirements of soldier, easy of handling and opening, taste and convenience.	• Philippine Army soldiers and/or trainees • Philippine National Police	01-Feb-21	31-Jan-23	Industrial Technology Development Institute	4,698,036
Development of Draft Standards and Recommended Code of Practice for Processing of Peanut Butter	The study aims to prepare draft product standards and draft recommended code of practice for the processing of peanut butter. To gain access to big markets, producers must be able to meet required standards. Furthermore, food borne illnesses can be prevented by food standards.	• Peanut butter manufacturers • Peanut producers • Regulatory agencies • Consumers	1-Jan-21	30-Jun-22	Industrial Technology Development Institute	867,000
Knowledge Transfer to DOST Technical Staff: Catalyst to MSMEs' Gaining PQA for SMEs	The project aims to transfer knowledge and technology for Total Quality Management (TQM) innovative approaches to selected DOST Technical Staff (DTS) in the quest to accelerate TQM acceptance, practice, and sustainability in selected MSMEs.	• DOST Technical Staff • MSMEs • Industry	01-Apr-21	31-Mar-23	DOST Region IX	3,317,000
Waste to Wealth: Value-Adding Approaches to Transform Cacao (Theobroma cacao L.) Pod Husk Towards Economic Development	The project will evaluate the value-added potential of cacao pod husk as food, and organic compost fertilizer.	• Cacao Industry • Cacao Growers Association • Cooperatives Processors • Entrepreneurs • Organic fertilizer manufacturers	01-Jan-21	31-Dec-22	Isabela State University - Echague	1,872,266

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
Recovery of Rare Earth Elements and Strategic Elements from Coal Fly Ash by Hydrometallurgical Techniques	The project aims to improve the recovery of the rare earths and strategic elements by exploring other parameters that were not covered during the scoping study.	Mining companies, Community	16-Jan-20	15-Jan-23	Mindanao State University - Iligan Institute of Technology	902,645
CAPPS: Development of an Alternative Ceramic Armor Plates from Philippine Silicates for Philippine Armed Personnel	This project will investigate and develop ceramic plates for armor application resistant to shrapnel, ricochet, and low-powered handguns specifically 9mm and 45-caliber pistols.	<ul style="list-style-type: none"> Philippine National Police Philippine Army 	01-Mar-21	28-Feb-23	Mindanao State University - Iligan Institute of Technology	2,794,546
Speciation and Isotopic Characterization of Mercury in Sediments in Honda Bay and Puerto Princesa Bay, Palawan	The project will develop a simple and cost-effective process of analyzing total mercury and mercury species from different environmental samples.	<ul style="list-style-type: none"> MGB Region 4B Puerto Princesa Palawan LGU 	01-Jan-22	31-Dec-22	Philippine Nuclear Research Institute	3,737,117
The Hybrid Ferrite-Bimetallic (Hy-FIBE) process: An integrated approach for the sustainable management of acid mine drainage (AMD)						
A Novel Technique for the Recovery of Valuable Metals from AMD through Bimetallic Materials	This study aims to recover the valuable metals from acid mine drainage (AMD) using aluminum-based bimetallic materials.	<ul style="list-style-type: none"> Mining companies Community 	01-Feb-22	31-Jan-24	Mindanao State University - Iligan Institute of Technology	2,606,400
A Two-Step Neutralization Ferrite Process as Active Remediation Technique for Environmental Treatment of AMD	The proposed process will be able to recover valuable resources such as iron (Fe) and manganese (Mn) in the sludge. Moreover, the effluent or treated acid mine drainage (AMD) can be safely discharged to the environment with hazardous contaminants levels below the standard.	<ul style="list-style-type: none"> Mining companies Community 	01-Feb-22	31-Jan-24	De La Salle University	3,986,730

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
Mathematical Resources for Distance Learning Utilizing Community LTE Networks and Television Frequencies	The project aims to create mathematical resources suitable for blended and distance learning that will help ensure that all learners have access to quality basic education.	<ul style="list-style-type: none"> • Grades 1 to 11 • Department of Education 	01-Feb-21	31-Jul-22	Ateneo de Manila University	1,163,580
A Link-Up of Geomatics and Social Science Research for the Development of Smart Cities (LUNGSOD) Project	This study is envisioned to be part of a multiple-phase strategy to transform Iloilo City as one of the country's pioneer smart cities. The Iloilo City Command Center in Mandurriao is a positive step in that direction.	<ul style="list-style-type: none"> • LGU Iloilo City • Citizens of Iloilo City 	16-Feb-21	15-Feb-23	UP Diliman	8,674,644
Imahe Labs: An Educational Game for Chemistry in the Senior High School and Junior High School sectors of Baguio City	The Imahe Labs Project aims to create an interactive, game-based learning application for the Chemistry subject of the Junior High School and Senior High School levels. With the recent pandemic, many learners are unable to access the laboratory rooms used for chemistry classes. Hence, with the development of a VR based game, learners will be able to experience conducting experiments and doing activities in a laboratory room without the need for an actual labroom.	Teachers, students, and administrative staff of different Junior High Schools and Senior High Schools in Baguio City	09-Mar-21	08-Mar-23	University of the Cordilleras	2,785,201
Resilient Education Information Infrastructure for the New Normal	This study aims to provide a collective approach in ensuring the continuity of learning during this time of pandemic and in addressing the challenges brought about by the digital divide through the use of LTE technology and data broadcasting mechanisms.	<ul style="list-style-type: none"> • Department of Information and Communications Technology • National Telecommunications Commission • Department of Education 	15-Apr-21	14-Apr-22	Advanced Science and Technology Institute	2,572,768

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
		<ul style="list-style-type: none"> • Filipino students who do not have Internet access 				
Good Governance through Data Science and Decision Support System (GODDESS) Program	To support data-driven project, policy, process or system undertaken by SPARTA training participants, as part of their capstone project, that will address the needs of a government agency or professional organizations that will benefit the local population or address a national issue and contribute to Smart Governance	<ul style="list-style-type: none"> • LGUs • NGAs • SUCs • HEIs 	01-Jan-20	Continuing	Multiagency	25,000,000
Autonomous Societally Inspired Mission Oriented Vehicles (ASIMOV)						
Project 1. Harmonized Aerial Watch and Knowledge-based Survey (HAWKS)	The goal of this project is to enable drones that can scan the area for objects of interest (humans, dwellings, buildings).	<ul style="list-style-type: none"> • National Disaster Risk Reduction and Management Council • Local Government Units • Robotics researchers and practitioners 	01-May-21	30-Apr-24	UP Mindanao	4,143,450
Project 2. Robot for Optimized and Autonomous Mission-Enhancement Responses (ROAMER)	The project will design and build a team of autonomous robots that will serve as the basis for developing field - ready robots that can be deployed as first respondents in disaster - stricken areas in order to assist in the search and rescue operations of disaster - prone units in the country.	<ul style="list-style-type: none"> • National Disaster Risk Reduction and Management Council • Local Government Units • Robotics researchers and practitioners 	01-May-21	30-Apr-24	Advanced Science and Technology Institute	4,463,840
Development of an AI-assisted Thunderstorm Early Warning System from Analysis of Doppler Radar Data	This project aims to design, implement, and deploy a Thunderstorm Early Warning System that will serve as a tool for use by local weather forecasters for early detection of thunderstorm warning and facilitate the issuance of thunderstorm warning in a timely fashion.	Philippine Atmospheric, Geophysical and Astronomical Services Administration	10-Jan-22	09-Jan-24	UP Diliman	3,553,772

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
Sandpix: A Sand based Image Printing Technology	This project aims to enable the automation and mass production of sand based printed artworks as a product of a Filipino craft and innovation.	<ul style="list-style-type: none"> • Implementing Agency • Researchers • Entrepreneurs • Government Buildings and Offices 	01-Jan-23	30-Jun-25	Western Institute of Technology	619,913
Artificial Intelligence Program						
Design and Development of Intelligent Traffic Control and Management System	The project will design and develop an intelligent traffic control and management systems.	<ul style="list-style-type: none"> • Local Government Unit • MSMEs • Schools • Private and Public Institutions • Community 	17-Jan-21	16-Jan-23	Caraga State University	2,203,750
Development of a CNN and RNN topology for Impedance Spectroscopy Analysis	The aim of this proposal is to efficiently determine the model appropriate for a given impedance spectra and output the results of the model using machine learning algorithms. Also, the proposal emphasizes on properly fitting a spectrum with sufficient parameters that minimizes common errors in existing numerical fittings.	<ul style="list-style-type: none"> • Students and Researchers that uses Spectrometers. • Materials Scientists/Engineers • Chemists • Electrical Engineers 	01-Mar-21	28-Feb-23	UP Los Baños	2,156,056
Cost-effective technology for monitoring and quantifying benthic area covered by marine litter in shallow coastal areas	This project aims to use a relatively new technology in quantifying and characterizing benthic AMD in shallow coastal ecosystems.	<ul style="list-style-type: none"> • Local government agencies tasked for environmental protection and reduction of marine pollution • Marine environmental protection • City local councils 	11-Feb-21	10-Feb-23	UP Mindanao	2,603,544

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
Intelligent Structural Health Monitoring via Mesh of Tremor Sensors (meSHM)	This project will enable LGUs and even the national government to develop a concrete disaster-prevention policy, backed by technology, that would drastically reduce risks, damage, and disaster casualties via a cost-efficient structural health monitoring system for all public and private buildings in the country.	<ul style="list-style-type: none"> • DPWH • LGU – City Engineers • Property Owners • Construction Companies 	15-Feb-21	14-Feb-24	De La Salle University	5,357,260
Development of Multi-lingual Chatbot for Health Monitoring of Public-School Children	This project aims to develop a health monitoring system for public school children assisted by a healthcare chatbot that is capable of interpreting audio input and conversing in two major Philippine languages.	Public school children (thru DepED)	01-Feb-21	31-Jan-23	De La Salle University	6,635,108
Philippine Sky Artificial Intelligence Program (SkAI-Pinas)						
Automated Labeling Machine - Large-Scale Initiative (ALaM-LSI)	ALaM-LSI maximizes the utilization of the country's remote sensing data, taking advantage of the huge volume of "archival" data already available in both raw and processed form from past projects, to serve as base sets of training data that could be augmented further to train more accurate deep learning models.	<ul style="list-style-type: none"> • Researchers focusing on remote sensing and deep learning • Schools and students interested in artificial intelligence, remote sensing, and related areas • Government agencies • Groups or individuals who would be able to utilize the technology 	01-Oct-21	30-Sep-24	UP Mindanao	1,538,996

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
ASTI Automated Labeling Machine (ASTI-ALaM)	The project to have an optimized workflow for developing machine learning and artificial neural network-based models for different application domains will be established to be utilized by different stakeholders such as the ALaM-LSI of UP Mindanao and DATOS Project.	<ul style="list-style-type: none"> • Alam-LSI research group • Identified stakeholders • Research groups in state and private universities 	01-Oct-21	30-Sep-24	UP Mindanao	1,657,998
Photonics Integrated Circuits - based Devices for Aeronautic Space Engineering Calculation and 5G Applications						
Project 2. Photonic Integrated Circuit (PIC)-based Linearized Optical Frequency Discriminator filter for 5G Applications	This project will develop simpler, smaller, low - power components for the receiver module so that they can be positioned closer than ever to the 5G/6G antenna.	<ul style="list-style-type: none"> • Telecommunication companies • University studies • Ateneo de Manila University • Potentially emerging Philippine Photonic Integrated Chip industry 	17-Jan-22	16-Jan-24	Ateneo de Manila University	488,649
Chemical Synthesis and Characterization of Conducting Polymer/Metal Nanoparticles Composites, and their Application as a Chemiresistive Gas Sensor Array for H2S and CO2	The general objective of this study is to develop a conducting nanocomposite-based chemiresistive gas sensor array that have the potential use for monitoring carbon dioxide, hydrogen sulfide, and nitric oxide.	Environmental sections of geothermal plants	01-Oct-20	30-Sep-22	University of Santo Tomas	1,104,926
Environmental, Health and Safety Research in the Risk Assessment of Nanomaterials (Phase II)	This project aims to conduct risk management on environmental, health and safety issues of nanomaterials and nano-enabled products that are available in the local markets.	<ul style="list-style-type: none"> • Companies • Research institutions 	01-Jan-23	31-Dec-23	Industrial Technology Development Institute	6,083,406

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
Development of a Smart Polymer Meta-Material for Wearable Biosensors	The research objective of this proposal is to design and synthesize advanced wearable smart polymer meta-materials radar antenna integrated with fabric materials that are suitable for long-term accurate monitoring and imaging of human cardiopulmonary motions that can provide advancement in the fundamental understanding of the electromagnetic wave propagation in the RF region as it goes thru the human phantom model.	People who suffered from ischemic heart disease that needs immediate cardiac monitoring, attention and relief	05-Oct-20	04-Oct-23	De La Salle University	4,014,059
Metal Oxide Hybrid Structured Barriers for Stable Energy Devices	The project will produce and integrate a hybrid MON/ALD-MO layer matching the barrier properties of all ALD layer to improve the long term stability for battery and perovskite solar cell application.	<ul style="list-style-type: none"> • Researchers • Academe • Energy sector 	01-Oct-20	30-Sep-23	De La Salle University	7,969,073
Designing High Entropy Alloy Surfaces for Catalytic Applications using Atomistic Calculations and Materials Informatics Investigations	The objective of this cooperative research project is to computationally design high entropy alloys for catalyst and battery applications by performing atomistic calculations and materials informatics methods.	<ul style="list-style-type: none"> • Young students and researchers • Energy and environment sectors • Metal industry sector • Science community 	01-Apr-22	31-Mar-25	UP Los Baños	9,995,769
PECTIN-CARRAGEENAN MIXTURES: High Precision Characterization of Hydrogel Heterogeneity Properties with Optical	The project will prototype a food-grade pectin-kappa carrageenan hydrogel mixture.	<ul style="list-style-type: none"> • Food industries • Biomedical applications • Local and/or international industries extracting carrageenans and pectin • Academic institutions 	01-Mar-21	28-Feb-23	University of San Carlos	1,887,830

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
Tweezers and FESEM Imaging						
Fabrication of Graphene-based Nanostructure Substrates for Applications in Ultrasensitive Detection	The main goal is to fabricate gold (Au) and silver (Ag)-G substrates with at least two functionalities through cost-effective methods.	<ul style="list-style-type: none"> • MSEP students • UP Community • Companies manufacturing commercial substrates • Water filter manufacturers 	15-Feb-20	14-Feb-22	UP Diliman	1,851,667
Unmanned Vehicle Systems (UVS) R&D						
AQUADRONE: UAV Assisted Deployment System for Water Quality Monitoring	This project aims to provide an efficient method water quality and zooplankton biodiversity monitoring by means of an Unmanned Aerial Vehicle (UAV) named as AQUADRONE.	<ul style="list-style-type: none"> • Government Agencies (BFAR, The Department of Agriculture – National Fisheries Research and Development Institute, etc.) • Local Government Units (LGUs - RA9275 Clean Water Act) • Fisherfolk Cooperatives • Researchers and Scientists • Students 	01-Mar-21	28-Feb-23	University of Santo Tomas	2,301,841
Collaborative aerial-ground unmanned system for exploration and monitoring of Philippine active volcanoes	The project will develop a collaborative aerial-ground unmanned system that can facilitate the personnel of PHIVOLCS for gathering of information in active volcanoes.	<ul style="list-style-type: none"> • DOST - PHIVOLCS • Disaster risk reduction management teams • MSU-IIT, nearby schools, and Universities 	01-Jun-22	31-May-24	Mindanao State University - Iligan Institute of Technology	5,595,354
Financial Support for the Information Dissemination and Promotion of Technologies	This project aims to disseminate research results to the different stakeholders of DOST-PCIEERD to increase their awareness, deepen their appreciation, and gather their support on science-based initiatives.	<ul style="list-style-type: none"> • Public • Researchers/Academe • Policymakers • Industry Players 	2010	Continuing	Multiagency	30,000,000

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
SEA-EU (Southeast Asia-Europe Joint Funding Scheme)	The program aims to enhance research and innovation cooperation between the two regions, SEA and EU. The program is composed of member agencies and ministries from SEA and Europe and aims to promote bi-regional, multi-lateral research and innovation projects.	<ul style="list-style-type: none"> • Industries • Researchers • Communities 	01-Oct-20	Continuing	Multiagency	11,889,015
e-Asia Joint Research Program	The e-ASIA Joint Research Program (e-ASIA JRP) is a multi-cooperation program which aims to promote innovation in the East Asian region and to contribute to the region's economic development.	<ul style="list-style-type: none"> • Industries • Researchers • Communities 	28-May-14	Continuing	Multiagency	5,004,231
Activity-Based Modeling for Transport Last Mile Mobility and Decision Support System for COVID-19 Pandemic (ACTS)	The project ACTS will develop a decision support system that would allow local governments in the Philippines to identify possible COVID-19 or any virus hotspots and manage current and future pandemics.	Local Government Units	01-Mar-22	31-Dec-22	UP Los Baños	4,328,715
UKRI-NERC / DOST-PCIEERD - Sustainable Mineral Resources in the Philippines Joint Programme	The DOST-PCIEERD and UKNERC came up with the program titled, "Mining and Environment: An Integrated Approach for ecosystem rehabilitation of Philippine abandoned mining areas through Novel Technologies and New Approaches for monitoring, resource recovery and understanding the impacts of mining contaminants to address environmental problems" and impacts brought by these legacy and abandoned mines. This program seeks to fund new research that generates a whole system view of mineral production.	<ul style="list-style-type: none"> • Industries • Researchers • Communities 	01-Apr-21	31-Dec-24	Multiagency	10,000,000

Project Title	Project Description / Objective	Beneficiaries	Start Date	End Date	Implementing Agency	2022 GAA
Water Security Research Program under the Philippines-UK Joint Cooperation Program	Through the PH UK Newton Agham joint Cooperation Program, the proposed collaboration will focus on the improve understanding of the interdependencies between water security and development to help ensure long-term water security, water sustainability in island communties especially in well-known tourist island, and smart water infrastructure intervention.	<ul style="list-style-type: none"> • Researchers • Communities 	01-Jan-22	Continuing	Multiagency	15,000,000
Project Management/ Assessment and Policy Development Program (M&E)	This project aims to establish policies for Monitoring and Evaluation (M&E) of GIA funded research through the conduct of assessment studies of completed and ongoing projects.	<ul style="list-style-type: none"> • Researchers • Policymakers 	2011	Continuing	Multiagency	22,660,632