Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST – PCIEERD)

List of PCIEERD - funded Projects for 2024

Project Title	Project Description / Objective	Project Beneficiaries	Start Date	End Date	Implementing Agency	2024 GAA ('000)
					TOTAL	**745,565**
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.	• 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	2028	MultiAgency	20,000
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	2028	MultiAgency	5,000
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	2028	MultiAgency	65,000

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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.	• Research institutions • Higher Education Institutions • State Colleges and Universities	01-Jul-15	2028	MultiAgency	25,000
Support to Regional Networks	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.	• State Universities and Colleges • Higher Education Institutions • Regional partner agencies	2014	2028	PCIEERD Regional Consortia Members	21,541
Preparatory Program for Higher Education Institution Readiness for Innovation and Techno-preneurship (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.	• Students • Faculties • Alumni • Researchers • Entrepreneurs • Business leaders • Inventors	02-Nov-21	01-Nov-25	HEIs and SUCs	172,102

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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 research, disclosure and protection of intellectual properties, promotion, and licensing of technologies.	• RDIs • Universities • Researchers	05-Jul-18	Continuing	MultiAgency	28,000
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.	• Universities • Researchers • RDIs	05-Jul-18	Continuing	MultiAgency	36,235
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.	• Students • Faculties • Alumni • Researchers • Entrepreneurs • Business leaders • Inventors	01-Mar-17	Continuing	Multiagency	30,000

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WHWise (Women-Helping-Women: Innovating Social Enteprises) 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.	• Students • Faculties • Alumni • Researchers • Entrepreneurs • Business leaders • Inventors • Women	01-Oct-21	Continuing	Multiagency	30,000
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.	• Students • Faculties • Alumni • Researchers • Entrepreneurs • Business leaders • Inventors	01-Oct-21	Continuing	Multiagency	5,000
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.	• Students • Faculties • Alumni • Researchers • Entrepreneurs • Business leaders • Inventors	01-Oct-21	Continuing	Multiagency	5,000

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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.	• Students • Faculties • Alumni • Researchers • Entrepreneurs • Business leaders • Inventors	01-Oct-21	Continuing	Multiagency	10,000
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	• Board of Investments • Asian Instiute of Management • MultiAgency	5,000
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	• Ateneo de Manila University • HEIs, SUCs • MultiAgency	3,000

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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 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	• QBO • DTI-EM • DICT • MultiAgency	6,000
Filipinnovation Entrepreneurship Corps 4 (FEC4): COHORT #4 Enabling Researchers to Assess Commercial and Societal Value of their Research	The 4th FEC program designed and delivered an education program that enables DOST-funded researchers to fully assess the commercial and societal value of their research, thereby increasing the potential for commercialization of these technologies and spurring innovation through entrepreneurship.	Technology Transfer Officers with Entrepreneurial Leads (Els), Mentors, and Principal Investigators (PIs) from Cebu, Cagayan de Oro, Davao, and Bicol	16-Aug-23	22-Sept-23	De La Salle University – Manila	4,000
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.	• PCIEERD decision makers • Researchers • Project managers • LGUs • General public	01-Jul-22	30-Sep-23	Multiagency	10,000

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PHA-based Composites for Commodity Polymer Products Development (PH-App)	This project aims to produce polyhydroxyalkanoates (PHA)-based products by combining pristine polyhydroxybutyrate (PHB) with other biopolymers, natural and organic fillers, antimicrobial agents, green additives and nucleating agents to cause improvements in terms of mechanical and/or thermal properties and produce commercially viable PHA-based products.	• Government and the general public • Industry • Academe	01-Jan-24	31-Dec-25	UP Los Baños	11,534
Processing Technologies for Sustainable Food Supply	This program aims to strengthen the abilities of local industries by creating advanced methods for processing and packaging food. These methods aim to preserve the essential components of food, ensuring their nutritional value is optimized. This approach has food security benefits by reducing food losses and waste. Additionally, it aligns with the growing consumer awareness and global demand for healthier food options.	• Local food industries • Farmers and producers • Supply chain and logistics • Non – government organizations	2024	2028	Multiagency	20,000
Sustainable Development of Cascaded Micro-Hydro Powerplant in A Remote Community	The project aims to provide an actual physical learning demonstration of a cascaded micro-hydro power plants of about 20 kW combined power output that would supply electricity to the identified communities in Rogongon and provide research opportunities for students and a training demonstration to those who would be interested in putting up a MHPP in their areas.	• Local people in the five (5) identified sitios of Barangay Rogongon • Graduate and Undergraduate students • MHPP Developers • Local personnel and interested stakeholders	01-May-22	30-Apr-24	Mindanao State University - Iligan Institute of Technology	1,475

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Development of Waste Oil-Fired Porous Media Burner as Substitute to Fossil-Fuel Burner used in the Food Industry	Food production produces a lot of waste oil from the deep-frying process. Frying oil can only be used up to a certain point to maintain product quality and based on studies, reusing frying oil more than twice creates free radicals which increases the likelihood of heart disease, high blood pressure and other ailments. Hence, this project will design, fabricate and test waste oil fired porous media burner that can substitute the usual LPG-fired burner in the noodle production process of Crystal Lake Food Industries.	• Crystal Lake Food Industries • Commercial operators and households • Researchers	01-Feb-23	31-Jan-25	Xavier University - Ateneo de Cagayan	2,090
Project BIOSS: BIO Scrubber System using Effective Microorganism and Pressure Swing Adsorption	The main goal of the project is to create a system that cleans things using microorganisms and a method called "pressure swing adsorption."	• Cagayan de Oro-LGU • Cagayan de Oro City stakeholders: ○ Vegetable and fish traders and vendors ○ Academe ○ Cagayan de Oro City Council ○ Households adopting portable gas purifiers and the business sector	01-Feb-23	31-Jan-25	University of Science and Technology of Southern Philippines - CDO Campus	2,414
Green Alternative Systems for Coastal, Inland, and Interisland Waterways Transport Systems						
Project 1. Development of Hybrid Marine - Air Vehicle to Satisfy various Rapid and Efficient Interisland	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.	• Local government units Bureau of Fisheries and Aquatic Resources • Philippine Navy • Department of National Defense	01-Jan-22	31-Dec-24	Cebu Technological University	22,090

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Transport needs in the Philippines		• 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				
Project 2. Prototype e-Boat for Inland Waterways to Address Urban Congestion	The plan is to create, build, and test a sustainable ferry system on Pasig River. This system will consist of an electric ferry boat and the necessary charging infrastructure. A pilot version of this system will be demonstrated and compare its performance to the existing system in terms of economics, fuel efficiency, and environmental impact.	• Operator of inland water system (MMDA, and LLDA) • Passengers and business along the river	01-Jan-23	31-Dec-24	UP Diliman	2,000
Philippine Road Safety Initiatives (Pro-SafetI)						
Collection, Recording, and Analysis of Traffic Incidence Data (CREATE)	The project will produce reliable traffic incidence data which can be used for crafting possible interventions and policies on road safety.	• Road users • Philippine National Police • Land Transportation Office • Land Transportation Franchising and Regulatory Board • Department of Public Works and Highways	03-Jan-22	30-Dec-24	UP Diliman	1,440

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VIROS-ROVE: V2X Initiatives for Road Safety Road Safety V2X Initiatives	This will focus on the development of V2X technologies designed for localized road traffic conditions.	• Transportation sector • Local government units • Metro Manila Development Authority	01-Mar-22	29-Feb-24	UP Diliman	2,561
Conversion of the Quarry Wastes (Silt) into Ceramic and Brick Products	The study will utilize the waste silt found in Brgy. Binaliw, Lilo-an, Cebu, Philippines to produce important ceramic products, namely, (a) ceramic thermal insulators, (b) ceramic water filters, (c) high thermal bricks, and (d) ceramic filter.	• Local industry • Local communities • Academic and research institutions within the Visayas region	01-May-23	30-Apr-25	University of San Carlos - Talamban Campus	1,318
Design, Construction, and Process Optimization of a Combined Physico - chemical Coagulation and Electrocoagulation System in Treating Complex Wastewater Contaminated with Heavy Metals, Nitrogen, and Phosphorus (Ni, Cu, Pb)	The study aims to design and construct a combined physico-chemical coagulation and electrocoagulation system in treating complex wastewater contaminated with heavy metals such as copper (Cu), nickel (Ni), and lead (Pb).	• Industries • Commercial establishments • Restaurants • Other service providers • Businesses with problems on water supply, wastewater generation/discharges (complex and hard to treat) and space requirement or allocation for their wastewater treatment facilities	01-Jan-23	31-Dec-24	University of San Agustin	2,396
Detection, Treatment, and Detoxification System for Emerging Contaminant of Concerns in Wastewater (DETOXS)						
Project 1. Evaluation of Wastewater Treatments for Emerging Contaminants of Concerns with Eco-Biological Parameters (WaTECs)	This study aims to investigate the removal of antibiotic residues in wastewater effluent from identified point sources using sorption and biodegradation in a membrane bioreactor.	• Researchers • Local Communities • Local Government Units • Government Agencies • Non-government organizations	01-Jan-24	31-Dec-25	UP Los Baños	23,573

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Project 2. The application of nanomaterials on electrochemical sensor (NATROSENSOR) for rapid, cost-effective and sensitive detection of various antibiotics in wastewater	The project NATROSENSOR applies nanomaterials for development of rapid, easy, cost-effective and sensitive (RECES) multiplex electrochemical sensing device that can be used for simultaneous detection of various antibiotics for wastewater treatment monitoring.	• Field of bioengineering in the Philippines • Pool of stakeholders	01-Jan-24	31-Dec-25	UP Los Baños	6,729
Project 3. River Ecosystem Health Assessment using Biomonitoring Tools (REHAB)	The study will investigate the presence of antimicrobial resistance (AMR) and develop and apply biomonitoring tools to assess the ecological health of Butuanon River.	• Local Community • Research Community • EMB Region 7 • Academe	05-Dec-22	04-Dec-24	UP Diliman	7,797
Wastewater Treatment by Environment - friendly Solutions from Radiation Technology (WATER)						
Project 1. Streamlined Treatment of Nutrient Pollutants (STEP Nutrient)	The project aims to fabricate grafted adsorbents designed for the removal of nutrient pollutants such as nitrates, phosphates, and sulfates from wastewater to meet Class C effluent standards.	• Manila Water Company Inc. and related treatment facilities • DENR and relevant government offices tasked in water quality and resource preservation • General public	01-Jan-24	31-Dec-25	Philippine Nuclear Research Institute	3,506
Project 2. RApid Treatment of Dissolved Metals (RATED Metals)	The project will develop a prototype module adsorbent of dissolved metal ions for the bench-scale treatment of municipal wastewaters.	• Manila Water Company Inc. and related treatment facilities • DENR and relevant government offices tasked in water quality and resource preservation • General public	01-Jan-24	31-Dec-25	Philippine Nuclear Research Institute	3,595

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Micro-scale Continuous Extraction System for the Recovery of Uranium from Philippine Wet Phosphoric Acid	The project will develop a comprehensive and environmentally acceptable continuous micro-scale uranium recovery process.	• Phosphate fertilizer sector • Public • Academe • Mining and Minerals sector	02-Jan-23	31-Dec-25	Philippine Nuclear Research Institute	2,872
AACT: Alternative and Advanced Copper Processing Technology						
Copper Hydrometallurgical and Solvometallurgical Extraction from Sulfides and Oxides (Cu-HySolvEr)	This study focuses on developing copper production process using hydrometallurgical and solvometallurgical extraction methods from copper sulfides and oxides.	Copper mining companies in the Philippines	01-Jan-23	31-Dec-25	UP Diliman	2,387
Electrorefining process development for the production of 6N copper cathodes (Cu-Refine)	The project aims to develop an electrorefining process that will produce 99.9999% copper.	Copper mining companies in the Philippines	01-Jan-23	31-Dec-25	UP Diliman	1,747
NERC-DOST (UK-Philippines Minerals & Mining - Natural Environment Research Council/DOST-PCIEERD Joint Programme)						
Philippine mining at the national to catchment scale: from legacy impacts to sustainable futures (Project PAMANA)	This partnership and project development (PPD) aims to develop a proposal to realize a combined biophysical, geomorphological, and geochemical-based approach, at national- to catchment-scales, to enable catchment management practitioners to remediate legacy metal mining impacts and enhance their control of metal mine contaminants arising from current and future mining activities.	• Environmental managers • Local government units • Research institutions • Other relevant government agencies	01-Oct-21	30-Sep-24	UP Los Baños	4,272

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Application of Ionometallurgy for Recovery and Extraction of copper from Copper Ore and Artisanal Copper-Gold Tailings (i-REACT)	Ionometallurgy, can be a new avenue for safe, environmentally benign and cost-effective extraction of Cu from copper ore and from copper tailings that are otherwise left untreated. Thus, the project will explore the application of ionometallurgy for laboratory stage extraction of copper from copper skarn deposits and from the artisanal Cu-Au mine tailings.	• Miners and residents of copper skarn deposits • Those living within the small-scale gold mining community, including the owners and workers of the processing facilities • Local government unit • Mines and Geosciences Bureau	01-Jan-23	31-Dec-23	Philippine Nuclear Research Institute	4,999
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	• LGUs • NGAs • SUCs • HEIs	01-Jan-20	Continuing	Multiagency	5,000
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.	• Implementing Agency • Researchers • Entrepreneurs • Government Buildings and Offices	01-Jan-23	30-Jun-25	Western Institute of Technology	434
A Laboratory and Game Engine/ Framework for Tertiary-Level Virtual, Augmented, and Mixed Reality (VAMR) Educational Applications	This project aims to establish a high-end Virtual, Augmented, and Mixed Reality (VAMR) Laboratory and Software Development Group for the Ateneo de Manila University (ADMU) Loyola Schools Campus. It is intended to provide a viable way to consume VAMR educational content by students and visitors to the Ateneo de	• Tertiary-level students of the Ateneo de Manila University • Course instructors/facilitators who would like to integrate VAMR content in their curriculum • Local museums	01-Jan-24	31-Dec-25	Ateneo de Manila University	6,398

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	Manila University from multiple disciplines, both STEM and non-STEM.	• Other learning-centric institutions				
Serious Games for Promoting Coherent Knowledge and Developing Critical and Problem Solving Skills in Tertiary Mathematics	The project will create serious mathematical games that will promote coherent knowledge and develop critical and problem-solving skills in tertiary level mathematics. The games will be designed to involve mathematical rigor in an interactive environment to engage and immerse the student when learning the mathematical content.	• Teachers teaching Calculus and Math • Tertiary level students	01-Jan-24	31-Dec-25	Ateneo de Manila University	6,998
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.	• 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	15,466
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.	• Alam-LSI research group • Identified stakeholders • Research groups in state and private universities	01-Oct-21	30-Sep-24	Advanced Science and Technology Institute	15,003

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Terahertz (THz) Research and Innovation Program Leading to Commercially Viable THz Time Domain Spectroscopy Systems						
Project 1. MBE Growth of InGaAs and Heterostructures Suited for Telecom-wavelength Excited Terahertz Device Applications	This project aims to design and grow novel low band gap semiconductors and semiconductor heterostructures and fabricate THz devices based on the MBE-grown samples. It will also train and involve more Filipino students on the MBE design, growth, and fabrication of novel semiconductor heterostructures as THz emitters/detectors.	• Industry • Academe	03-Jan-23	02-Jan-25	UP Diliman	13,907
Project 2. Development of Low-cost, Fast-scan Terahertz Spectroscopy for Real World Applications	The study will develop a rapid scan terahertz time-domain spectroscopy system.	Material scientists and researchers	01-Jan-23	31-Dec-24	UP Diliman	16,862
Materials Informatics Program	The emerging evolution of computer and information processing technology triggers more sophisticated and powerful upgrades in the existing simulation technology. Given these developments, the effectiveness and necessity of these methods in material science has been recognized, and "Materials Informatics" research has become much more important.	• Academe • Local manufacturing industries	2022	2024	Academic Institutions	10,000
Extended Communication and Electronics Signal Enhancement and Development (EXCEED)	The project aims to develop a fully functional flying ad-hoc network of drone swarms for volcanic activity monitoring.	• Philippine Tourism Industry • Volcanologist • Filipino people	01-Jan-23	31-Dec-24	De La Salle University	4,649

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of an Unmanned Aerial Vehicle System for Emergency Response Situations						
Development of Underwater Sensor Network for Tsunami Detection Through Ground Station Terrestrial and Nanosatellite Communication	This project intends to setup Ground Sensor Terminals (GST) to be installed in buoys and sea vessels which will be deployed in areas with high seismic activities like the Verde Island Passage. Potential natural threats such as tsunami will be detected through the ocean wave movement and underwater seismic activity in which will be the post-processed signals that will be predicted using machine learning.	Philippine Navy	01-Jan-24	31-Dec-25	University of Perpetual Help System DALTA - Las Piñas	6,463
Assessment, Development, and Preservation for Typhoon and Earthquake Resilient Ivatan Houses	In the Philippines several style of Bahay was constructed under the three centuries of Spanish initiative, using wood, stones and bricks all over the archipelago, from Batanes Islands in the North to Tawi-Tawi in the south, from Palawan in the west and Samar in the east. Particularly, the Ivatan have a very different style of Bahay, they used thick limestones which is generally abundant as a raw material.The historical houses were tested through time and withstand rough weather. Nevertheless, with the recent earthquakes in the country, there is a need to assess and modernize the Batanes' bahay na bato, which is the goal of this project, specifically through engineering intervention for sustaining culture and heritage.	• Batanes population • Tourists • Educators • Architects • Engineers • Policy Makers • Culture Enthusiasts • International Interests on modernized bahay na bato	01-Jul-22	30-Jun-24	Cagayan State University - Tuguegarao Campus	3,593

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Science Communication Program	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.	• Public • Researchers/Academe • Policymakers • Industry Players	2010	Continuing	Multiagency	25,692
DANAS: Earthquake, Tsunami and Volcano Disaster Narratives for an Experiential Knowledge-based Science Communication	This project will systematically document laypeople's narratives from experiential knowledge of disasters using local languages and analyze relationship with the science of earthquake, tsunami and volcano towards motivation, behavioral intentions, and adaptive responses for improved science communication to empower people.	• Science communication practitioners • Scientists • Educators • DRRM practitioners • Non-government organizations • Civil society organizations	01-Jan-23	31-Dec-24	Philippine Institute of Volcanology and Seismology	8,505
Human Security R&D Program	The program will focus on improving different aspects of human safety by creating new technologies, studying, and developing new policies and strategies. Specific projects may be applied in disaster response, humanitarian aid, and supply chain tracking, among others.	• DRRM practitioners • Non-government organizations • Government agencies • Local government units	2024	2028	Multiagency	10,000
e-Asia Joint Research Program						
Post-Synthetic Modification of Select Zeolites in the Catalytic Conversion of Waste Palm Oil to Biofuels	This study aims to identify and prepare relatively cheap catalysts towards development of a viable technology in the conversion of waste palm oil to biofuels.	• Industries that develop catalyst and biofuel technology • Local communities • Local mining industry	01-Apr-23	31-Mar-26	UP Diliman	8,250

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Microwave Photonics Devices for Optical Access Network and Sensing Application using microring resonator (MRR)-based Photonics Integrated Circuits and Optical Fibers	The research will focus on the design and prototyping of a novel integrated microwave photonic (MWP) filter design for Radio and Optical Access Networks communication and Sensing Applications.	• Telecommunication companies • Philippine Photonic Integrated Chip industry • Universities • Ateneo de Manila University Physics and Electronics, Computer, and Communications Engineering departments	01-Jan-23	31-Jan-26	Ateneo de Manila University	5,000
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.	• Young students and researchers • Energy and environment sectors • Metal industry sector • Science community	01-Apr-22	31-Mar-25	UP Los Baños	3,017
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 nember agencies and ministries from SEA and Europe and aims to prmote bi-regional, multi-lateral research and innovation projects.	• Industries • Researchers • Communities	2020	2028	Multiagency	5,000
UK-PH Partnerships: Innovation Works for the People through Collaborative Research and Development	The program aims to explore collaborations among PH and UK partners on the areas of disaster risk reduction, climate change adaptation, mining and minerals, environment, water utilities, construction,	• Researchers • Communities	2023	2028	Multiagency	7,720

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	food and science communication for the advancement of STI.					
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.	• Researchers • Policymakers	2011	Continuing	Multiagency	29,355