

**QUARTERLY PHYSICAL REPORT OF OPERATION**  
As of March 31, 2023

Agency : Department of Science and Technology - Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST - PCIEERD)  
Organization Code (UACS) : < not applicable >

Particulars	UACS CODE	Physical Target (Budget Year)					Physical Accomplishment (Budget Year)					Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
NATIONAL INDUSTRY, ENERGY AND EMERGING TECHNOLOGY	310100000 000000												
OO : Increased benefits to Filipinos from scientific knowledge and technological innovations for productivity and competitiveness													
Outcome Indicators													
1. Percentage of priorities in the Harmonized National R&D Agenda (HNRDA) addressed		100%	100%	100%	100%	100%	100%				100%	0%	
2. Number of partnerships with local (public and private) and international organizations		67	17	12	12	108	145				145	(37)	
Output Indicators													
1. Number of projects funded		42	38	53	51	184	53				53	131	
2. Number of projects monitored		132	112	65	46	355	69				69	286	New projects were not counted since monitoring of projects is on a semi-annual basis hence new projects implemented in the first quarter will be monitored by July-August.
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, or with IP filed or approved					75% (385/519)	75%							To be reported on the 4th quarter of the year as targeted

Prepared By:

*Care*  
**MS. CAMILLE D. MANALASTAS**  
SRS I, PCMD

In coordination with:

*K. Catalan*  
**MS. KIMBERLENE CATALAN**  
Management Specialist II, FAD - Budget  
Section

Approved By:

*Enrico C. Paringit*  
**DR. ENRICO C. PARINGIT**  
Executive Director

**List of PCIEERD - funded Projects**  
(January to March 2023)

	Program Title	Project Title	Implementing Agency
1	Women-Helping-Women: Innovating Social Enterprises (WHWISE) Program	Project SWEET PH-C: Standardization of Ways in Enhancing and Establishing Techniques in Processing Highland Cacao	Duiche Chocolates Inc.
2	Women-Helping-Women: Innovating Social Enterprises (WHWISE)	Quality and Product Enhancement of Community-produced Woven Bamboo Panels for the Housing Industry	Likhang Maragondon
3	Women-Helping-Women: Innovating Social Enterprises (WHWISE)	Improvement, Market Validation & Pilot Production of W4G CAS (Compost Activator Solution) for biodegradable waste utilization of rural & urban communities	WASTE4GOOD
4		Establishment of Mobilizing Advanced Research and Innovations to Advocate Nation-building (MARIAN) TBI	University of the Immaculate Conception
5	Jumpstarting the Economy in the New Normal: Learning/Education	Rover Reading Literacy Program : Reading Level Assessment of Public Elementary Students using Workbooks with Progress Tracking in Digital Platform	PCI Tech Center
6		Enhancement and Validation of KargaX (A Freight- Matching Mobile and Web App that Reduces Logistics Costs and Carbon Emissions)	Karga Express Intelligence System, Inc
7	Jumpstarting the Economy in the New Normal: Learning/Education	Development, Implementation, and Validation of Mobile Learning Toolkit in Baguio City - La Trinidad - Itogon - Sablan - Tuba - Tublay (BLISTT)	Hey Success
8		DANAS: Earthquake, Tsunami and Volcano Disaster Narratives for an Experiential Knowledge-based Science Communication	Philippine Institute of Volcanology and Seismology
9	Women-Helping-Women: Innovating Social Enterprises (WHWISE)	Commercialization of Sustainable Fruit Wine Enterprise Through Improved Processing Technology and State of the Art Facility in Cagayan Valley	DOST II
10	PCIEERD Higher Education Institution Readiness for Innovation and Technopreneurship (HEIRIT) TBIs	HEIRIT: Establishment of Philippine Women's College of Davao Creative Hubs for Industry 4.0 ( PWC CHI+), A DOST-supported TBI	Philippine Women's College of Davao
11		PCIEERD Human Resource Development	MultiAgency
12		Balik Scientist Program	MultiAgency
13	Terahertz (THz) Research and Innovation Program Leading to Commercially Viable THz Time Domain Spectroscopy Systems	MBE Growth of InGaAs and Heterostructures Suited for Telecom-wavelength Excited Terahertz Device Applications	University of the Philippines-Diliman
14	Terahertz (THz) Research and Innovation Program Leading to Commercially Viable THz Time Domain Spectroscopy Systems	Development of Low-cost, Fast-scan Terahertz Spectroscopy for Real World Applications	University of the Philippines-Diliman
15	Dynamic simulation, modelling, experiment, and application of plasma propagation and evolution for growth and characterization of thin films	Computational modeling via Direct Simulation Monte Carlo method of laser ablation and plasma expansion—in relation to the deposited film characteristics on a substrate	University of the Philippines-Diliman
16	Comprehensive Water Resources Assessment and Management Plan for Nabaoy River Watershed and Boracay Island	Project 2. Hydrological Characterization of Boracay Island's Groundwater System and Nabaoy Watershed using Isotope and Nuclear-based Analytical Techniques	Philippine Nuclear Research Institute
17	Young Innovators Program (YIP)	Utilization of Crab (Brachyura) Shells in Bioplastic Nursery Pot Production	DEPED Region V
18		Fungal chitosan- based Microbeads: A Heavy Metal Soil-based biobiosorbent	Polytechnic University of the Philippines- Sta. Mesa
19	Young Innovators Program (YIP)	Application of green silver nanoparticles for dye wastewater treatment	University of the Philippines-Mindanao
20	Young Innovators Program (YIP)	3D Printed Waste Battery Rod Derived Exfoliated Graphite-Polymer Composites for Electronic Sensor Applications	Batangas State University
21		Establishment of a "Smart Packaging Laboratory" in the Philippine countryside	University of San Agustin (USA)
22	AACT: Alternative and Advanced Copper processing Technology	Copper Hydrometallurgical and Solvometallurgical Extraction from Sulfides and Oxides (Cu-HySolVer)	University of the Philippines-Diliman
23	Higher Education Institution Readiness for Innovation and Technopreneurship (HEIRIT)	Establishment of AdZU Technology Business Incubator (AZUL HUB)	Ateneo de Zamboanga University
24	Higher Education Institution Readiness for Innovation and Technopreneurship (HEIRIT)	Establishment of Sultan Kudarat State University-Technology Business Incubation (SKSU-TBI) Sustainable Technopreneurship Ecosystem for the Promotion and Advancement of Promising Products (STEP APP)	Sultan Kudarat State University
25	Higher Education Institution Readiness for Innovation and Technopreneurship (HEIRIT)	Establishment of a University-based Technology Business Incubator in Surigao del Norte State University (SNSU TBI)	Surigao State College of Technology- Main
26	Higher Education Institution Readiness for Innovation and Technopreneurship (HEIRIT)	Establishment of ICEBOX: The Mindanao State University - General Santos Technology Business Incubator for Smart Systems Innovations	Mindanao State University-General Santos
27	Higher Education Institution Readiness for Innovation and Technopreneurship (HEIRIT)	HEIRIT: Establishment of DOST-MMSU BANNUAR Technology Business Incubator for advancing the creative manufacturing industry in the Ilocos Region	Mariano Marcos State University-Main



	Program Title	Project Title	Implementing Agency
28	Higher Education Institution Readiness for Innovation and Technopreneurship (HEIRIT)	Establishment of BPSU SIKAT Technology Business Incubator for the Creative Manufacturing Industry	Bataan Peninsula State University
29	Higher Education Institution Readiness for Innovation and Technopreneurship (HEIRIT)	HEIRIT: Establishment of DOST-Benilde HIFI BTS TBI	De La Salle - College of Saint Benilde
30	Startup Grant Fund Program	Enhancement of Prototype of the Blockchain-powered Document Management System, Electronic Signature Software-as-a-service Platform and Self-Sovereign Digital ID	Ohelio Inc.
31	Startup Grant Fund Program	Development and Market Validation of PAYDAY TODAY – a mobile App that allows employers to enable their employees to access REALTIME wages they have earned MID-PAY PERIOD	GOODAPPS, Inc
32	Startup Grant Fund Program	Improvement and Market Validation of Cassava Bioplastic	Sustainable and Compostable Horizons Industry (SACHI) Group Inc.
33	Women-Helping-Women: Innovating Social Enterprises (WHWISE)	BABae Livelihood AcceleratiNG Kasaba OpportunitY (BALANGKOY)	FLQ Foods and Panicteria
34	Women-Helping-Women: Innovating Social Enterprises (WHWISE)	Panublix Weaving Enterprise Digital Enabler (PWEDE) - Developing A Web Platform to Onboard Rural Weaving Enterprises on the Digital Economy in Western Visayas and Cagayan Valley	Panublix Innovations, Inc
35		Development of an AI-assisted Thunderstorm Early Warning System from Analysis of Doppler Radar Data	University of the Philippines-Diliman
36		MINERVA: Monitoring of Indicators for Efficient Redevelopment and Value Assessment	Asian Institute of Management
37		Development of Underwater Sensor Network for Tsunami Detection Through Ground Station Terrestrial and Nanosatellite Communication	University of Perpetual Help System- DALTA
38		Development of Waste Oil-Fired Porous Media Burner as Substitute to Fossil-Fuel Burner used in the Food Industry	Xavier University - Ateneo de Cagayan
39		Method Validation for the Simultaneous Determination of Cation and Anion in Lake Water using Dual Channel Ion Chromatography in correlation with Ion Selective Electrode for Ammonia (PROSPER)	University of the Philippines-Los Baños
40	Young Innovators Program (YIP)	Chitosan and Phosphorylated Chitin from Mussel Shells (Perna viridis) as Flame Retardant Bilayer Coating for Linen Fabrics	Angeles University Foundation
41	Young Innovators Program (YIP)	A Teensy Microcontroller-based Photobioreactor for Microalgae Cultivation	Angeles University Foundation
42		Solar-powered Enzymatic Composting Bin with Arduino-based pH, Moisture level, and Temperature Monitoring System	South Hill School, Inc.
43		Development of Tubular Triboelectric Exhaust Filter for Philippine Jeepneys	South Hill School, Inc.
44		Converting Single-Use Plastic Wastes into Base Ten Blocks for Mathematics	South Hill School, Inc.
45		Development of an integrated Barangay Civil Registration and Information System (BCRIS) optimizing Data Analytics for smarter e-governance of the City of Tayabas	Colegio de la Ciudad de Tayabas
46		Development of Innovative Food Products from Colored Philippine Tubers and Root Crops through the UPLB-DOST Food Innovation Center	University of the Philippines - Los Baños
47		Process and Product Optimization of Black Garlic used as Flavor Enhancer	Mariano Marcos State University
48		The PEEL-Good Project: Bench-scale Ultrasound-assisted Extraction of Pectin from 'Saba' Banana Peel Waste	University of the Philippines - Los Baños
49		Valorization of Nickel Mine Wastes in Palawan as Sustainable Materials for the Production of Nano-modified Drilling Fluids	Palawan State University
50		Electrorefining process development for the production of 6N copper cathodes (Cu-Refine)	UP Diliman
51		Philippine mining at the national to catchment scale: from legacy impacts to sustainable futures (Project PAMANA)	University of the Philippines - Los Baños
52		Virtual Reality and Networking Feature for our Virtual Events Platform	Olern, Inc.
53		Enhancement and Validation of Cerebro (An Integrated School Management and Content Library System for K-12 Schools)	LMS Solutions Philippines OPC

**List of PCIEERD-Funded Projects**  
(January to March 2023)

	Program Title	Project Title	Implementing Agency
1	NICER: Center for Integrated Circuits and Devices Research (CIDR)	Energy Harvesting for Battery-less IoT Device Operation	Mindanao State University - Iligan Institute of Technology
2	Green Alternative Systems for Coastal, Inland, and Interisland Waterways Transport Systems	Prototype e-Boat for Inland Waterways to Address Urban Congestion	University of the Philippines - Diliman
3	Smart Food Value Chain Program	Leveling-up of Quezon's Bagsakan Agri-Processing Capability through Adoption of the Smart Food Value Chain Framework	DOST Region IV-A
4	Institutional Development Program (IDP)	Establishment of Electronics Projects Laboratory for Process Automation of the Cagayan Lodging Industry	University of St. Louis - Tuguegarao
5	CRADLE: Accelerated R&D Program for Capacity Building of Research and Development Institutions and Industrial Competitiveness	CRADLE2020: Diachronic Representation and Linguistic Study of Filipino Word Senses Across Social and Digital Media Contexts	De La Salle University - Manila
6	Niche Centers in the Regions for R&D (NICER): PROGRAM BOONDOCK: A Mountain Engineering Center Towards Sustainable Infrastructure and Upland Water Security	Improving the Livelihood of MSMEs thru Cable Supported Water and Transport Infrastructure	Saint Louis University
7		Development of an AI-assisted Thunderstorm Early Warning System from Analysis of Doppler Radar Data	University of the Philippines - Diliman
8	Autonomous Societally Inspired Mission Oriented Vehicles (ASIMOV)	Harmonized Aerial Watch and Knowledge-based Survey (HAWKS)	University of the Philippines - Mindanao
9	NICER: Center for Advanced Materials for Clean Energy Technologies based on Indigenous Materials (CAMCET)	Biomass-Derived Nanomaterials as Novel Electrocatalyst Components for Direct Ethanol Fuel Cells	University of Santo Tomas
10	NICER: Center for Integrated Circuits and Devices Research (CIDR)	Model-Driven Co-Design of MEMS-Based Sensors and Interface Circuits	University of the Philippines - Diliman
11	Shoes and Footwear Accessories R&D Textile - based Omnibus Solutions	3D Warp-Knitted Natural Textile Fiber-based Spacer Fabrics for the Local Footwear Industry	DOST-Philippine Textile Research Institute (PTRI)
12	CRADLE: Accelerated R&D Program for Capacity Building of Research and Development Institutions and Industrial Competitiveness	Design Improvement of Existing Chain Link Fencing Machine to Produce Slope Protection Circular Wire Mesh	Metals Industry Research and Development Center (MIRDC)
13	Digitalization of the Philippine Handloom Weaving Industry	Scoping and Life Cycle Assessment of Philippine Handloom Woven Textiles in Support of the Creative Philippine Textile Economy	DOST-Philippine Textile Research Institute (PTRI)
14	Philippine Road Safety Initiatives (PROsafeti) Program	Road Infrastructure Design Evaluation and Reporting System (RIDERS)	Technological Institute of the Philippines Quezon City
15		DOST-IMPROVE (IP Management and Protection of Rights or Ownership against Violations and Encroachment)	DOST-Technology Application and Promotion Institute (TAPI)
16	Comprehensive Water Resources Assessment and Management Plan for Nabaoy River Watershed and Boracay Island	Project 1. Water for Tourism: A Science-Based Water Resource Monitoring and Management Planning Guide for Tourist Destinations in the Philippines	Ateneo de Manila University (ADMU)
17	Landslide Mitigation Research and Development for Baguio-La Trinidad-Itogon-Tuba-Tublay (BLISTT): a Pilot Program for CAR	Proj 2: CALAMIT: Cordillera Administrative Landslide Monitoring Integrated Toolbox	University of the Cordilleras
18		Project CRUISE: A Capacitive Resistivity Underground Imaging Survey Equipment for Underground Utility Assessment of Philippine Infrastructures	De La Salle University - Manila
19	Philippine Road Safety Initiatives (PROsafeti) Program	Motor Vehicle Inspection System with loaded emissions testing and smart features (MViSion)	De La Salle University - Manila
20		PROPOSED INSTALLATION OF AGT IN BPSU MAIN CAMPUS (AS LABORATORY/FACILITY OF THE PROPOSED RAILWAY ENGINEERING PROGRAM AND EXISTING ENGINEERING PROGRAMS)	Bataan Peninsula State University - Main Campus
21	2020 DOST-MOST Joint Research Program (JRP)	Key Technological Research of Philippines and China on Mobile Power Generation Based on Gasification of Municipal Solid Wastes (MSW) and Agricultural Biomass Pretreated by Co-hydrothermal Process	Mindanao State University - Iligan Institute of Technology
22		Process and Product Optimization of Black Garlic used as Flavor Enhancer	Mariano Marcos State University - Main
23		A Link-Up of Geomatics and Social Science Research for the Development of Smart Cities (LUNGSOD) Project	University of the Philippines Diliman
24	Materials for Sustainable Construction and Recyclables Applied to Projects (M-SCRAP)	Green Fiber-reinforced Polymer (FRP) Composites as an Innovative Repair System for Earthquake-prone Historical Buildings	De La Salle University - Manila
25		Sustainable BIM-Based Evaluation for Infrastructure Project Implementation	Mapua Institute of Technology - Manila
26	CRADLE: Accelerated R&D Program for Capacity Building of Research and Development Institutions and Industrial Competitiveness	Unistar Automated Repossessed Motorcycle Assessment System (Unistar ARMAS)	Asian Institute of Management
27		Knowledge Transfer to DOST Technical Staff: Catalyst to MSMEs' Gaining PQA for MSMEs	Department of Science and Technology



	Program Title	Project Title	Implementing Agency
28	Niche Center in the Regions (NICER) for R&D Program: Circular Economy-based development of green construction materials and admixtures from agro-industrial wastes with climate change action considerations and implications	Development of Eco-Cement Using Locally available Industrial Wastes for Construction Applications	Central Mindanao University
29		SandPix: A Sand based Image Printing Technology	Western Institute of Technology
30		MINERVA: Monitoring of Indicators for Efficient Redevelopment and Value Assessment	Asian Institute of Management
31	Digitalization of the Philippine Handloom Weaving Industry	Digitization of Philippine Textiles to Protect and Sustain the Handloom Weaving Sector	Philippine Textile Research Institute (PTRI)
32	Autonomous Societally Inspired Mission Oriented Vehicles (ASIMOV)	Robot for Optimized and Autonomous Mission Enhancement Responses (ROAMER)	DOST-Advanced Science and Technology Institute
33		Prediction of Long-Period Ground Motion in Megacities of the Philippines Critical to Seismic Safety of High-Rise Buildings	DOST-Philippine Institute of Volcanology and Seismology
34		Establishing the PCAARRD Impact Communities [PCAARRD Para sa Pamayanan (3Ps)]	DOST-Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD)
35	NICER: Center for Integrated Circuits and Devices Research (CIDR)	Energy Efficient Machine Learning Hardware Co-design	University of the Philippines - Diliman
36		DEVELOPING THE CAPABILITY OF MICRO- AND SMALL-SCALE PROCESSORS IN THE MANUFACTURE OF QUALITY FOOD PRODUCTS FROM PHILIPPINE COCOA BEANS	DOST-Industrial Technology Development Institute (ITDI)
37	Shoes and Footwear Accessories R&D Textile - based Omnibus Solutions	Sustainable Textiles for the Community-based Philippine Footwear Industries (StEPH-In)	DOST-Philippine Textile Research Institute (PTRI)
38	Landslide Mitigation Research and Development for Baguio-La Trinidad-Itoyon-Tuba-Tublay (BLUSTT): a Pilot Program for CAR	MULAT BLUSTT Research Program Project 1: Modelling Susceptibility and Generating Rainfall Threshold for Rainfall-Induced Landslides	University of the Philippines - Baguio
39	CRADLE: Accelerated R&D Program for Capacity Building of Research and Development Institutions and Industrial Competitiveness	Foamed and Innovative Biochar ingredients with Environmentally Recycled Plastic in Concrete (FIBER Plastic in Concrete)	De La Salle University - Manila
40	Philippine Sky Artificial Intelligence Program (SKAI-Pinas)	Automated Labeling Machine - Large-Scale Initiative (ALaM-LSI)	University of the Philippines - Mindanao
41	Human Resources Development program (HRDP)	Funko Bats (Fungal Quinone Batteries): A Sustainable Energy Storage from Fungal Quinone Extraction	Polytechnic University of the Philippines - Sta. Mesa
42		Integrated Flood and Water Resources Management in ASEAN Basins for Sustainable Development	Isabela State University - Main
43	NICER: Center for Air Research in Urban Environments	Project 1: Towards Green Smart Cities: Connected Embedded Systems for indoor and Outdoor Air Quality Monitoring	University of the Philippines - Diliman
44	Regional Research Institution (RRI)	Development of Protein Hydrolysates from Catfish Consumption Wastes as a Food Ingredient	University of the Philippines - Visayas
45	Quantum Computing R&D	Establishment of Quantum Innovation Laboratory: Optimizing a Decision Diagram-based Free and Open-Source Quantum Circuit Simulator for Benchmarking in an HPC Environment using Entanglement, Random Circuits, and Quantum Algorithms Benchmark Datasets	DOST-Advanced Science and Technology Institute (ASTI)
46	Niche Center in the Regions (NICER) for R&D Program: Circular Economy-based development of green construction materials and admixtures from agro-industrial wastes with climate change action considerations and implications	Laminated Natural Fiber Composite as ECO-Geocell and ECO-Geogrid for Roadway Construction	De La Salle University - Ozamiz
47	NovaSAR Imaging Capacity Share Programme	Synthetic Aperture Radar (SAR) and Automatic Identification System (AIS) for Innovative Terrestrial Monitoring and Maritime Surveillance	DOST-Advanced Science and Technology Institute (ASTI)
48	CRADLE: Accelerated R&D Program for Capacity Building of Research and Development Institutions and Industrial Competitiveness	SMART (Steel Manufacturing and Assembly for a Rapid Technology (SMART) in House Construction: Development of an Innovative CFS-based Structure with Screw Piles using Design for Manufacturing and Assembly (DFMA) Technology	De La Salle University
49	NICER: Center for Integrated Circuits and Devices Research (CIDR)	Energy-Efficient RF Front-end Architectures for Large-Scale Sensor Networks	University of the Philippines - Diliman
50	Smart Food Value Chain Program for the New Normal	Upgrading the Capability of Existing Distribution Centers /Trading Posts in the Delivery of Fresh and Semi-Processed Agricultural Products in the Supply Chain: Focusing on Packaging Technology and Logistics	DOST-Industrial Technology Development Institute (ITDI)
51	Digitalization of the Philippine Handloom Weaving Industry	Covert Technology Towards Sustainability and Protection of the Philippine Textile Sectors	DOST-Philippine Textile Research Institute (PTRI)
52		AQUADRONE: UAV Assisted Deployment System for Water Quality Monitoring	University of Santo Tomas

	Program Title	Project Title	Implementing Agency
53	The Hybrid Ferrite-Bimetallic (Hy-FIBE) process: An integrated approach for the sustainable management of acid mine drainage (AMD)	A two-step neutralization ferrite process as active remediation technique for environmental treatment of AMD - resubmitted	De La Salle University - Manila
54	Women-Helping-Women: Innovating Social Enterprises (WHWISE) - Customized Incubation Program for Women-Led Social Enterprises	Enhancement and Market Validation of a Fully Accessible Cloud-Based Virtual School for Persons with Disabilities in the Philippines	Virtualahan Inc.
55	3D Philippines: 3D Visualization and Analysis of Surface and Sub-surface Data in the Philippines	Geotechnical Mapping of Metro Manila Subsoil (GEMMMS)	De La Salle University - Manila
56	Philippine Road Safety Initiatives (PROsafett) Program	V2X Initiatives for Road Safety (VIROS)	University of the Philippines - Diliman
57	Startup Grant Fund Program	Improvement of the MAGWAI Reef-Safe Sunscreen Formulation to Accelerate its Market Adoption	Magwayen Organics, Inc
58		CAPPS: Development of Alternative Ceramic Armor Plates from Philippine Silicates for Philippine Armed Personnel	Mindanao State University - Iligan Institute of Technology (MSU - IIT)
59	MECO-TECO Joint Research Program	Sustainable Green Energy from Hydrogen Evolution Reaction via 2D Janus Nanosheet Electrocatalysts (SGEHER2DNANO): Density Functional Theory Calculations	University of the Philippines - Los Baños
60		FASTRAC: Validation of WEHLO as a Spin-off from DOST-PCIEERD Funded Projects; ARMS, FRAMER and ScaRP	Mapua University
61		Engineered smart concrete utilizing indigenous wastes for durable and intelligent infrastructure	University of Mindanao - Bolton
62	NICER: Establishment of the e-Trike Research and Development Center	Design, Fabrication and Testing of Electrical and Electronic Systems of a Locally Developed E-Trike	University of the Philippines - Diliman
63	CRADLE: Accelerated R&D Program for Capacity Building of Research and Development Institutions and Industrial Competitiveness	Development of Fermented Food Products from Mature Coconut Water and Coconut Skim Milk By-products from VCO Processing	Philippine Coconut Authority
64		Production and Improvement of Construction Materials using Bacterial Calcite Precipitation	University of the Philippines - Diliman
65		Establishment of Metals and Engineering Innovation Centers in Cordillera Administrative Region (CAR), Regions I, II, III and X	DOST-Metals Industry Research and Development Center (MIRDC)
66	Niche Center in the Regions (NICER) for R&D Program: Circular Economy-based development of green construction materials and admixtures from agro-industrial wastes with climate change action considerations and implications	"Development of market-ready admixtures and SMART lightweight foamed composites with passive energy-regulating and self-reinforcing properties from agro-industrial wastes for roof screeds, roof insulation, ceilings, walls, and floor applications" (6 Research Studies)	Mindanao State University - Iligan Institute of Technology
67	Natural Dyes and Colorants R&D Program Phase 2	Colorimetric and Performance Standardization of NatDyes Produced in Various NatDyes Hubs in the Philippines	DOST-Philippine Textile Research Institute (PTRI)
68	Science, Technology and Innovations for Productivity and Competitiveness Program	Nurturing Interest in STEM Among Filipino Learners Using Minecraft	Ateneo de Manila University
69	Diversification of Philippine Textiles through Nonwoven Innovations Program	Technical Lignocellulosic Nonwoven Textiles for the Automotive and Air Filtration Application	DOST-Philippine Textile Research Institute (PTRI)



**List of Partners with Local (Public and Private) and International Organizations**

1	Adamson University
2	Advanced Infinit Technology Solutions Inc.
3	Aklan State University
4	Angeles University Foundation
5	Apayao State College - Luna
6	Asian Institute of Management
7	Ateneo de Davao University
8	Ateneo de Manila University
9	Ateneo de Naga University
10	Ateneo de Zamboanga University
11	AtoANI
12	Bataan Peninsula State University
13	Batangas State University
14	Bicol State College of Applied Science and Technology
15	Bicol University
16	Bizooku Philippines Inc.
17	Bohol Island State University - Tagbilaran
18	Bulacan State University
19	Burket.Ph, Inc.
20	Cagayan State University - Aparri
21	Cagayan State University - Tuguegarao (Carig)
22	Camarines Norte State College
23	Camarines Sur Polytechnic Colleges
24	Capiz State University - Burias Campus
25	Capiz State University- Mambusao Satellite College
26	Caraga State University
27	CAWIL.AI
28	Cebu Doctors' University Hospital
29	Cebu Institute of Technology - University
30	Cebu Technological University - Main Campus
31	Central Luzon State University
32	Central Mindanao University (CMU)
33	Chimera Technologies Corporation
34	Colegio de la Ciudad de Tayabas
35	CreatorBox Products and Solution
36	De La Salle - College of Saint Benilde
37	De La Salle Araneta University
38	De La Salle University - Laguna
39	De La Salle University - Manila
40	DEPED Region V
41	Don Mariano Marcos Memorial State University - Mid La Union Campus
42	Don Mariano Marcos Memorial State University - North La Union Campus
43	Dulche Chocolates Inc.
44	eCFulfill Inc.
45	Eduk Ai Software Corporation
46	Far Eastern University - East Asia College
47	FEATI University

48	FLQ Foods and Panciteria
49	GOODAPPS, Inc
50	Guimaras State College-Mosqueda
51	Hey Success
52	Holy Angel University
53	Hubware Corporation
54	Ilocos Sur Polytechnic Sate College
55	Iloilo Science and Technology University
56	InsightSCS Corp.
57	IOL Inc.
58	Isabela State University - Cauayan
59	John B. Lacson Foundation Maritime University - Molo
60	Jose Rizal Memorial State University
61	Kalinga-Apayao State College
62	Karga Express Intelligence System, Inc
63	Kingstate Ventures Corp.
64	Laguna State Polytechnic University - Los Baños
65	Lesstics Inc.
66	Liceo de Cagayan University
67	Likhang Maragondon
68	LMS Solutions Philippines, OPC
69	Lyon Software Technologies, Inc.
70	Magwayen Organics, Inc
71	Malayan Colleges
72	Mapua University
73	Maranga Software Solutions
74	Mariano Marcos State University-Main
75	Marikina Polytechnic College
76	Mindanao State University - General Santos
77	Mindanao State University - Iligan Institute of Technology (MSU-IIT)
78	Mines and Geosciences Bureau (under DENR)
79	MotmotLala Co.
80	MuraMart Holdings Inc.
81	Nanotronics Inc.
82	Nueva Ecija University of Science and Technology - Sumacab
83	OBXs IT Solutions
84	Ofamen Cacao Farm
85	Ohelio Inc.
86	Olern, Inc.
87	Our Lady of Fatima University
88	Palawan State University
89	Pamantasan ng Cabuyao
90	Pangasinan State University
91	Panublix Innovations, Inc
92	Partido State University - Goa
93	PCI Tech Center
94	Philippine Coconut Authority (under Department of Agriculture)
95	Philippine Foundation for Science and Technology
96	Philippine National Police, Integrated Chemicals of the Philippines
97	Philippine Women's College of Davao



98	Plantsville Health Products
99	Polytechnic University of the Philippines-Sta. Mesa
100	Quirino State University
101	Robin Machine Manufacturing
102	Saint Louis University
103	Samar State University
104	Seckka Empire Builders, Inc.
105	Silliman University
106	Society of Naval Architects and Marine Engineers
107	South Hill School, Inc.
108	Sultan Kudarat State University
109	Surigao State College of Technology-Main
110	Sustainable and Compostable Horizons Industry (SACHI) Group Inc.
111	Tarlac State University
112	Technological Institute of the Philippines - Arlegui Campus
113	Technological Institute of the Philippines - Quezon City
114	Technological Institute of the Philippines Manila - P. Casal Campus
115	Technological University of the Philippines - Visayas
116	The Green Table
117	TinkerHouse Inc.
118	University of Antique
119	University of Cebu
120	University of Immaculate Conception
121	University of Mindanao - Bolton
122	University of Mindanao Digos College
123	University of Perpetual Help System DALTA - Las Piñas
124	University of Perpetual Help System DALTA - Molino
125	University of San Agustin (USA)
126	University of San Carlos - Talamban Campus
127	University of Santo Tomas
128	University of Southeastern Philippines
129	University of Southern Mindanao - Main
130	University of St. Louis - Tuguegarao
131	University of the Cordilleras
132	University of the Immaculate Conception
133	University of the Philippines - Baguio
134	University of the Philippines Cebu
135	University of the Philippines Los Baños
136	University of the Philippines Mindanao
137	University of the Philippines Visayas
138	University of the Philippines-Diliman
139	Verdant Seasons Farm Management Technologies Corp.
140	Virtualahan Inc.
141	Visayas State University
142	WASTE4GOOD
143	West Visayas State University
144	Western Institute of Technology
145	Xavier University - Ateneo de Cagayan