

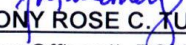
QUARTERLY PHYSICAL REPORT OF OPERATION
As of June 30, 2022

Agency : Department of Science and Technology - Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST -
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		90%	90%	90%	90%	90% (6/7)	100% (7/7)	100% (7/7)			100% (7/7)	(10%)	The Council has ongoing projects in relation to its seven (7) main priorities in the HNRDA, namely: food and nutrition security, countryside development, competitive industry, delivery of social services, intelligent transport solutions, renewable energy and energy storage solutions, and human security.
2. Number of partnerships with local (public and private) and international organizations		15	20	10	10	55	100	19				(64)	Partners included in the report are the Implementing Agencies of the PCIEERD-supported projects under the research and development program and for other science and technology activities. All partners with ongoing projects are included in this report, thus, the high variance. Please take note that DOST attached agencies with projects either monitored or assisted by PCIEERD are excluded based on the definition set by the Department.

Output Indicators													
1. Number of projects funded		30	20	10	39	99	38	25				36	The Council disbursed funds to all approved and ongoing projects with signed MOA or Conforme letter from both Implementing Agencies and the Council. Moreover, two (2) of the projects covered in this report are previously funded under DOST - GIA and were approved for additional funding under PCIEERD - GIA.
2. Number of projects monitored		35	50	60	55	200	175	100				(75)	Since submission of project accomplishments and monitoring is being conducted mostly in semi-annual basis, it is notable that the number of monitored projects for this quarter is high. The Council admits that quarterly targeting of accomplishments will be improved to avoid overaccomplishments in the
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					55%	55%	50% (214/429)					5%	From 2019 - 2021, 429 (corrected value) projects have been completed but only 275 of which have publication and/ or patent target. Out of this 275, 214 of them have achieved their targets. Accomplishments of the other completed projects with publication and/or patent targets will be reported in the succeeding quarters based on the submitted terminal reports.

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 For: DR. ENRICO C. PARINGIT
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List of Partners with Local (public and private) and International Organizations

1	ACTIONS HUB PHILIPPINES INC.
2	Adamson University
3	Advanced Infinit Technology Solutions Inc.
4	Agrabah Marketplace
5	Aklan State University - Kalibo Campus
6	Aklan State University - New Washington
7	Angeles University Foundation Integrated School
8	Asian Institute of Management
9	Ateneo de Davao University
10	Ateneo de Manila University
11	AtoANI
12	Bataan Peninsula State University - Main Campus
13	Batangas State University
14	Bicol University - Main
15	BizKit Technologies Inc.
16	Bizooku Philippines Inc.
17	Bulacan State University
18	BURKET.PH INCORPORATED
19	Cagayan State University - Andrews
20	Cagayan State University - Aparri
21	Cagayan State University - Carig
22	Capiz State University - Burias Campus
23	Caraga State University
24	Cawil Data Analysis Services
25	CAWIL. AI
26	Cebu Institute of Technology University
27	Central Mindanao University
28	CHIMERA TECHNOLOGIES CORPORATION
29	De La Salle University - Laguna
30	De La Salle University - Manila
31	Department of Agriculture - Philippine Rice Research Institute
32	Department of Environment and Natural Resources - Mines and Geosciences Bureau
33	Development Academy of the Philippines
34	Don Mariano Marcos Memorial State University - Mid La Union Campus
35	Don Mariano Marcos Memorial State University - North La Union Campus
36	DST INDIA
37	e-Asia
38	Eastern Visayas State University
39	eCFulfill Inc.
40	Far Eastern University - East Asia College
41	Father Saturnino Urios University
42	FLQ Foods and Panciteria
43	Global One Shuttle Service, Inc.
44	Guimaras State College - Main
45	Holy Angel University
46	HUBWARE CORPORATION
47	IdeaSpace Foundation
48	Iloilo Science and Technology University
49	INSIGHTSCS CORPORATION
50	IOL Inc.

51	Isabela State University
52	ISAT U
53	Jose Rizal Memorial State College - Main
54	Japan Science and Technology
55	Kalinga-Apayao State College-Main
56	Laguna State Polytechnic University
57	Laguna State Polytechnic University - Los Baños College of Fisheries
58	Lesstics Inc.
59	LMS SOLUTIONS PHILIPPINES OPC
60	MAGWAYEN ORGANICS, INC
61	Mapua University
62	Maranga Software Solutions
63	Mariano Marcos State University - Main
64	Marikina Polytechnic College
65	MECO-TECO
66	Mindanao State University - General Santos City
67	Mindanao State University - Iligan Institute of Technology
68	Mindanao State University - Naawan
69	MOST - China
70	MOTMOTLALA CO.
71	Nanotronics, Inc
72	Northwestern Mindanao State College of Science and Technology
73	Nueva Vizcaya State University
74	NutriCoach, Inc.
75	OBXs IT Solutions
76	Olivia Technology Group Inc.
77	Palawan State University
78	Pamantasan ng Cabuyao
79	Pangasinan State University
80	Partido State University
81	Philippine Rice Research Institute
82	Philippine Women's College of Davao
83	PIRFS Multimedia Distribution Services
84	PLANTSVILLE HEALTH PRODUCTS
85	Polytechnic University of the Philippines
86	Robin Machine Manufacturing
87	Rocket Labs Consulting Inc.
88	Saint Louis University
89	Samar State University
90	SEA-EU
91	Silliman University
92	Sultan Kudarat State University-Tacurong Campus
93	Technological Institute of the Philippines Manila - Arlegui Campus
94	Technological Institute of the Philippines Quezon City
95	The Green Table
96	UKRI
97	University of Antique
98	University of Asia and the Pacific
99	University of Cordilleras
100	University of Mindanao - Bolton
101	University of Perpetual Help System DALTA - Las Piñas
102	University of Perpetual Help System DALTA - Molino
103	University of Saint Louis

104	University of San Carlos - Talamban Campus
105	University of Santo Tomas
106	University of Science and Technology of Southern Philippines
107	University of Southeastern Philippines
108	University of the Cordilleras
109	UP Diliman
110	UP Baguio
111	UP Cebu
112	UP Los Baños
113	UP Manila
114	UP Mindanao
115	UP Visayas
116	Verdant Seasons Farm Management Technologies Corporation
117	Virtualahan Inc.
118	West Visayas State University
119	Western Institute of Technology

SCIENCE AND TECHNOLOGY INSTITUTE

List of PCIEERD - funded Projects

(April - June 2022)

	Project Title	Implementing Agency
1	Design and Development of Intelligent Traffic Control and Management System	Caraga State University
2	Development of a CNN and RNN topology for Impedance Spectroscopy Analysis	UP Los Baños
3	A Link-Up of Geomatics and Social Science Research for the Development of Smart Cities (LUNGSOD) Project	UP Diliman
4	Imahe Labs: An Educational Game for Chemistry in the Senior High School and Junior High School sectors of Baguio City	University of the Cordilleras
5	Integrated Flood and Water Resources Management in ASEAN Basins for Sustainable Development	Isabela State University
6	Progressive Advancement of Transportation networks through the Integration of vehicular Onboard Technologies with online platforms (ArangKaDATA)	UP Diliman
7	Safe, Efficient, and Sustainable Solar-Assisted Plug-In Electric Boat (Sessy E-Boat)	Mapua University
Philippine Road Safety Initiatives (PRoSafetI) Program		
8	VIROS: V2X Initiatives for Road Safety (VIROS)	UP Diliman
9	PUV's Patterns and Attitude on the Streets using Artificial Intelligence & Data Analytics (PASADA)	Technological Institute of the Philippines - Quezon City
10	Road Infrastructure Design Evaluation & Reporting System (RIDERS)	Technological Institute of the Philippines - Quezon City
11	Activity-Based Modelling for Transport Last Mile Mobility and Decision Support System for Covid-19 Pandemic (ACTS)	UP Los Baños
Institution Development Program		
12	Establishment of PnC DANGAL for Smart Warehouse Inventory Management System	Pamantasan ng Cabuyao
Good Governance through Data Science and Decision Support System		
13	Development of Data Analytics and Information System: Support on Social Welfare Services for Senior Citizens of Butuan City	Father Saturnino Urios University
14	PhilRice Data Analytics Initiative - RiceLytics	Philippine Rice Research Institute
15	Social Service Analytics And Mission Planning System (Ssamps) For Barangay Guadalupe Viejo, Makati	Adamson University
16	Regional S&T Consortia	Multiagency
Regional Research Institutions		
17	Utilization of Watermelon (Citrullus Sp.) Peels, Seeds, and Rinds Extracts as Value-Additive and Food Preservative for High-Fat Foods	University of Antique
Expert Intervention for Scientific Engagement (ExperTISE)		
18	Enhancing Technological Innovation of Coconut Products of Segatic Daku Small Coconut Farmers Cooperative	Northwest Mindanao State College of Science and Technology

	Project Title	Implementing Agency
19	Addressing the Needs, Gaps, and Challenges of PILMICO Foods Inc. through Science and Technology Research and Development: an ExperTISE Project of MSU-IIT	Mindanao State University - Iligan Institute of Technology
	Young Innovators Program	
20	Novel microring resonator (MRR)-based optical sensor using Photonic Integrated Circuits (PICs)	Ateneo de Manila University
21	Fungal chitosan- based Microbeads: A Heavy Metal Soil-based biobiosorbent	Polytechnic University of the Philippines - Sta. Mesa
22	Shock Electrodialysis Apparatus (S.E.A.)	Philippine Science High School - Main Campus
23	Human Resource Development Program	Multiagency
	Support for Project-based PErsonnel and Researchers (PROSPPER)	
24	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	Laguna State Polytechnic University - Los Baños
	Ships Ballast Water and Biofouling Treatment Systems IOT Marine Vessels (SAILS)	
25	Project 1. Port And Ballast Water Baselines Using Ecological, Microbiological And Edna Approaches (PORTEC)	UP Manila
26	Development of Column-Packed Adsorbent for Chrome Recovery from Tanning Wastewater	Philippine Nuclear Research Institute
27	CAPPS: Development of an Alternative Ceramic Armor Plates from Philippine Silicates for Philippine Armed Personnel	Mindanao State University - Iligan Institute of Technology
	The Hybrid Ferrite-Bimetallic (Hy-FIBE) process: An integrated approach for the sustainable manage	
28	Project 1. A Novel Technique for the Recovery of Valuable Metals from AMD through Bimetallic Materials	Mindanao State University - Iligan Institute of Technology
29	Project 2. A Two-Step Neutralization Ferrite Process as Active Remediation Technique for Environmental Treatment of AMD	De La Salle University
30	Recovery of Rare Earth Elements and Strategic Elements from Coal Fly Ash by Hydrometallurgical Techniques	Mindanao State University - Iligan Institute of Technology
31	Determination of appropriate expansion process of perlite to conform to standards of light weight aggregates for use in construction	UP Diliman
32	Knowledge Transfer to DOST Technical Staff: Catalyst to MSMEs' Gaining PQA for SMEs	DOST Region IX
33	Valorization of Agri-food Waste: Ultrasound-assisted Extraction of Oil and Polyphenols from Cherry Rejects of Cordillera Grown Arabica Coffee	UP Baguio
34	Establishment of DOST Food Safety Web Application	DOST Region IV-A
35	Development of Halal Compliant Dehydrated Food Products from Selected Food Materials (Fruits, Vegetables and Rootcrops)	Industrial Technology Development Institute

	Project Title	Implementing Agency
36	Establishment of Halal Assurance System for Selected Food Ingredients (Dried and Powdered Onion, Garlic, Black Pepper and Chili)	Industrial Technology Development Institute
37	Developing the Capability of Micro- and Small-Scale Processors in the Manufacture of Quality Food Products from Philippine Cocoa Beans	Industrial Technology Development Institute
38	Waste to Wealth: Value-Adding Approaches to Transform Cacao (<i>Theobroma cacao</i> L.) Pod Husk Towards Economic Development	Isabela State University
39	Design, Improvement and Sea Testing of A Remote-Controlled Weapons System (RCWS)	Metals Industry Research and Development Center
<i>Enhancement of The Competence and Capability of the National Metrology Laboratory of the Philippines</i>		
40	Project 2. Chemical Metrology for Inorganic Toxic Elements in Food and Water	Industrial Technology Development Institute
41	Project 3. Biological Metrology for Microorganisms in Food	Industrial Technology Development Institute
42	Assessment and Profiling of COVID-19 Pandemic-Induced Wastes in General Santos City: Basis for the Development of Innovative Waste-To-Energy Technology of MSU- Gensan	Mindanao State University - General Santos City
43	Designing High Entropy Alloy Surfaces For Catalytic Applications Using Atomistic Calculations And Materials Informatics Investigations	UP Los Baños
<i>IP Management Program for Academic Institutions Commercializing Technologies (IMPACT)</i>		
44	Establishment of Knowledge, Innovation and Technology Transfer Processes of the Holy Angel University	Holy Angel University
<i>Startup Grant Fund: Jumpstarting the Economy in the New Normal</i>		
45	Enhancement and Market Validation of Airship Logistics, A Logistics Management Suite to Help Optimize the End-to-End Delivery Operations of Ecommerce Logistics (Rocketlabs)	Rocket Labs Consulting Inc.
46	Enhancement and Market Validation of OMG! Oh My Genie! (An AI-Enabled Automated Last Mile Fulfillment System for Brands and Suppliers) (OhMyGenie)	Chimera Technologies Corporation
47	Prototype Enhancement for Digitizing Traditional Market Centers (Bagsakans) and Market Validation for A Networked Agricultural Clearing House (Xperto)	Verdant Seasons Farm Management Technologies Corp.
48	Improvement of the Magwai Reef-Safe Sunscreen Formulation to Accelerate its Market Adoption (Magwayen)	Magwayen Organics, Inc
49	Enhancement and Validation of the Advanced Robust Cooperative System (ARCS), an integrated Software-as-a-Service (SAAS) solution for cooperative management and regulatory compliance	IOL Inc.
50	An Agriculture Technology Platform automated logistics booking for farmers and fisherfolks	Agrabah Ventures Inc.

	Project Title	Implementing Agency
51	Improvement and Assessment of Marketability of an AI-powered Buyer-Supplier Matching and Management System for Businesses in the Philippines	Burket.Ph Incorporated
52	Enhancement and Validation of Zippee Logistics: A Franchise B2B Logistic Platform for Truck Owners and Franchisees	Bizooku Philippines Inc
53	Enhancement of the Prototype and Market Validation of Traceability Access for Consumer and Export powered by Artificial Intelligence (TrACE.AI) Software System	CAWIL Data Analysis Service
54	Development of Hubware 4.0 and Market Validation of the Construction-Focused Online Marketplace Platform	Hubware Corp
55	Enhancement And Validation Of Cerebro (An Integrated School Management And Content Library System For K-12 Schools)	LMS Philippines OPC
56	Enhancement and Market Validation of Olivia (An AI-Enabled Expense Management App that Recognizes Philippine Receipts and Invoices) for Philippine Companies and their Employees	Olivia Technology Group Inc.
	<i>Women-Helping-Women: Innovating Social Enterprises (WHWISE)</i>	
57	Assistance to the Upgrading of Technology of LunchBox Project Superfoods and its Community Partners in Bulacan, Philippines (Action Hub)	Action Hubs Phils. Inc.
58	Enhancement and Market Validation of Husay.Co, A Learning-To-Earning Platform for Filipino Artists and Creative Workers	MotmotLala Co. (Husay.Co)
59	Optimizing the Production of Natural Products from the Philippine Cinnamon & other Aromatic Plants	Plantsville Health Products
	<i>Higher education Institution Readiness for Innovation & Technopreneurship (HelRIT)</i>	
60	Adamson University Neo Science and Technology Incubation Center (AduNEST-INC)	Adamson University
61	DOST-DTI-DICT Collaboration Project for International and Local Events for the Innovative Startup Act	Ideaspace Foundation, Inc.
62	Project Management/Assessment and Policy Development Program	Philippine Council for Industry, Energy and Emerging Technology Research and Development
63	Balik Scientist Program	Philippine Council for Industry, Energy and Emerging Technology Research and Development

List of Projects Monitored
(April - June 2022)

	Project Title	Implementing Agency
1	Development of biodegradable nanofiber filters as an active material for medical-grade facemasks	University of San Carlos - Talamban Campus
	Impact Assessment	
2	Impact Assessment of the Technology Innovation for Commercialization (TECHNICOM) Program	Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development
	IP Management Program for Academic Institutions Commercializing Technologies	
3	Establishment of Technology Transfer and Utilization Processes and Services in Bulacan State University	Bulacan State University
4	Enhancement of the DOST-FNRI's Technology Transfer Office Policies and Processes	Food and Nutrition Research Institute
5	Establishment of the Knowledge, Innovation and Technology Transfer Processes of the Holy Angel University	Holy Angel University
6	Establishment of Technology Management System at UP Mindanao	UP Mindanao
7	SPRINGBOARD - Supporting Potential and Relevant IP as Next Generation Business Opportunities towards Acceleration of Research and Development	Batangas State University
8	Reinforcing the Capability of the Technology Transfer Program of the DOST-Forest Products Research and Development Institute	Forest Products Research and Development Institute
9	Establishment of Technology Management System at Samar State University	Samar State University
10	Strengthening Bicol University's IP Management Programs and Commercialization Strategies (BU-IPCom)	Bicol University
11	TRUE IMPACT: Technology and Research of USEP Enhanced through IMPACT	University of Southeastern Philippines - Main
12	Establishment of the Technology Transfer and Commercialization Management System at Cagayan State University	Cagayan State University - Andrews
13	Teknoy InACT - Teknoy Innovation Advancement through Commercialization and Technology Transfer	Cebu Institute of Technology University
14	Establishment of the SU-KTTO at Silliman University, Dumaguete City, Negros Oriental	Silliman University
15	Establishment of Adamson University Technology Transfer Processes	Adamson University

	Project Title	Implementing Agency
	Collaborative Research and Development to Leverage Philippine Economy (CRADLE) Program	
16	Upgrading the Philippine Lateritic Bauxite Through Potential Ore Beneficiation Processes	UP Diliman
17	Building Bonds between Academe and Industry: Formulation of Vitrified Bonding Materials for Locally Manufactured Aluminum Oxide and Silicon Carbide Grinding Wheels	Ateneo de Manila University
18	SPARCS: System for Plasma-assisted Ablation of Residues and Cleaning of Surfaces	UP Diliman
19	CYANanobot: Miniaturized Boat-assisted Data Acquisition for Automated Cyanide Monitoring in Wastewater using Optical Nano-sensor	Caraga State University
20	Drive Air ni Juan - Aluminosilicate Technology for Compact Air Purification	Global One Shuttle Service, Inc.
21	Community-level Functionalization of Handwoven Cordillera and Mindoro Textiles for Creative Protective Clothing	Philippine Textile Research Institute
22	Valorization of Carabao's Milk Produced in Western Visayas for the 'New Normal'	UP Visayas
23	Technology Intervention to Provide an Alternative Market for Sampaguita (Jasminum sambac) as Raw Material for Jasmine Oil Production	Mapua University
24	IoT (Internet of Tubig) : Development of smart water meter wireless network	UP Diliman
25	Development of Quality Soysage Using Okara	University of Santo Tomas
26	Reworking of Processed Meat Using a Combined Acidification-Heat Treatment Process	Eastern Visayas State University
27	Smart Parcel Locker	Technological Institute of the Philippines
28	Design and Prototyping of Salt Harvesting Machine	Industrial Technology Development Institute
29	Diachronic Representation and Linguistic Study of Filipino Word Senses Across Social and Digital Media Contexts	De La Salle University
30	baTID: RFID-band for personalized body temperature monitoring	Ateneo de Manila University
31	Mine Tailings Utilization for Socioeconomic and Environmental Sustainability	Caraga State University
32	Development of a Design Guideline Using Finite Element Analysis for Semiconductor and Electronics Packaging Systems for Automotive Applications (FEA2)	De La Salle University - Laguna
33	Valorization of Mature Coconut Water through Beverage Development	UP Diliman

	Project Title	Implementing Agency
34	i-DRIP (IoT-Based Dispenser for Real-time Intelligent Pour) an IoT-Based Real-Time Control and Monitoring System for Smart Beverage Dispenser	Bulacan State University
35	TIP/SUBIC WATER - Constructed Wetland for Wastewater Treatment of Effluent from a Water Provider	Technological Institute of the Philippines Manila - Arlegui Campus
36	SMART MINE: Development of Sediment Monitoring and Analysis for Rehabilitation Tool in a surface MINE area	Central Mindanao University
37	SUGPo: Sustainable mine waste management Using modified hydrothermal carbon from prawn shells, and Geochemical modelling of Pathways of contaminants from mine tailings	Mindanao State University - Iligan Institute of Technology
38	Handum: The Design, Implementation, and Analysis of a Digital/Mobile Game-based Learning Tool for Primary and Secondary Education	UP Diliman
39	Valorization of Mining Wastes by Green Nano-hydrometallurgy: Application of Green-mediated Leaching Process and Innovative Magnetic Nano-separations for the Recovery of (Precious)Metals	Caraga State University
40	Establishment of Halal Assurance System for Selected Food Ingredients (Dried and Powdered Onion, Garlic, Black Pepper and Chili)	Industrial Technology Development Institute
41	Development of Food Reference Materials for Nutrition Labeling for Use of Local Testing Laboratories (Phase 3) Implementation of ISO 17034:2016 Quality Management System in the Development of Rice Flour Reference Materials	Food and Nutrition Research Institute
42	Integrated Flywheel Energy Storage Management System	De La Salle University
43	Eco-System Modeling and Material Transport Analysis for the Rehabilitation of Manila Bay (eSMART)	UP Diliman
44	Development of Low Heat and Low Humidity (LH)2 Drying System for DOST Malnutrition Reduction Program (DOST-MRP) Facilities	Food and Nutrition Research Institute
Higher Education Institution Readiness for Innovation and Technopreneurship		
45	Establishment of the DOST-TOMASInno Center TBI	University of Santo Tomas
46	Establishment of Technology Business Incubation Facility of Mapua University	Mapua University
47	Establishment of DOST-ISAT U K'Dra 1905 Technology Business Incubator (KTBI)	Iloilo Science and Technology University

	Project Title	Implementing Agency
	Funding Assistance for Spin-off and Translation of Research in Advancing Commercialization Program	
48	Establishment of a Spin-off Facility and Pilot Plant for Fruitect Coatings for Shelf-Life Extension of Fresh Fruit Produce	UP Los Baños
49	Alama Project: Technology Development, Commercialization and Promotion of Gitara ni Juan	UP Diliman
50	Enhancement and Market Validation of TITAN Vision based Traffic Information and Analysis	De La Salle University - Manila
51	VISSER::REFRESH (Redesigning for Remote Education, in School and at Home)	UP Diliman
	Advanced Additive Manufacturing R&D Program (AMCen)	
52	Research on Advanced Prototyping for Product Innovation and Development using Additive Manufacturing Technologies (RAPPID-ADMATEC)	Metals Industry Research and Development Center
53	Development of Multiple Materials Platform for Additive Manufacturing (MATDEV)	Industrial Technology Development Institute
54	Fabrication and characterization of plasma sprayed nanostructured TiO ₂ -based coatings for photocatalytic applications	Mindanao State University - Iligan Institute of Technology
55	Secured Command and Control Communication Link System	Holy Angel University
56	Fabrication and Characterization of Hydrophobic Nanocomposite Plated Abaca Fabric for Enhanced Electromagnetic Interference Shielding (EMI-SE) and Thermal Resistance (TR) for Spacesuits Application	De La Salle University
57	Philippines - Quantitative Lahar Impact and Loss Assessment Under Changing Land Use and Climate Scenarios	Philippine Institute of Volcanology and Seismology
58	Weather and Climate Science for Service Partnership for South East Asia: Building Safer Community to Weather and Climate Variability through Science and Innovation (WCSSP)	Philippine Atmospheric, Geophysical and Astronomical Services Administration
	Space Technology & Applications Mastery, Innovation and Advancement (STAMINA4Space)	
59	Project 2. Building PHL-50: Localizing the Diwata-1 and Diwata-2 Bus System as the Country's Space Heritage 50kg Microsatellite Bus (PHL-50)	UP Diliman
60	Project 3. Space Science and Technology Proliferation through University Partnerships (STEP-UP)	UP Diliman
61	Project 4. Ground Receiving, Archiving Science Product Development and Distribution (GRASPED)	Advanced Science and Technology Institute

	Project Title	Implementing Agency
62	Optimization of the Operational Capabilities of Hydromet Sensors in Line with International Standards (WMO Standards) for Effective Weather, Flood Warning (CBFEWS) and Application to Research	Philippine Atmospheric, Geophysical and Astronomical Services Administration
63	Liquefaction Potential for Resilient Schools in GMMA: A Liquefaction Probabilistic Model Using Non-Invasive Geophysical Techniques and Limited Probe Hole	Philippine Institute of Volcanology and Seismology
Philippine Bamboo Musical Instruments Innovation Research and Development		
64	Project 1 : Documentation of Philippine Indigenous Bamboo Musical Instruments	Forest Products Research and Development Institute
65	Risk Profiling of Hazards in Philippine Food to Support National Risk Management	UP Diliman
66	Operationalization of Halal Verification Laboratories (HVLs) of DOST Regions CALABARZON, 11, 12, and ARMM in Support to Halal Assurance Systems	Industrial Technology Development Institute
67	Fabrication of Graphene-based Nanostructure Substrates for Applications in Ultrasensitive Detection	UP Diliman
e-Asia JRP		
68	Fundamental study of the physical properties of metal-oxide single nanowires and nanoparticles for bio-nano-sensing	De La Salle University
69	Developing Green Degradable Polymers from Plant Based Oils and Investigation on Its Subsequent Functionalization and Utility as Heavy Metal Sequestrants	Ateneo de Manila University
70	Development of Innovative Nanobiodevices Based on Hybrid Materials by Combination of Endemic South Asian Biomolecules and Nanocarbons	Mindanao State University - Iligan Institute of Technology
71	Study on the Suitability of Acrylonitrile Styrene Acrylate (ASA) as Material for a 3D-Printed Statue	Metals Industry Research and Development Center
72	Transforming R&D Outputs into Innovations through Technopreneurship and Customer Validation (TRANSDI)	DOST Region IV-B
73	Integrated Community-scale Textile Fiber Innovation Hubs in Northern Luzon	Philippine Textile Research Institute
Startup Grant Fund Program		
74	Enhancement and Validation of Zippee Logistics: A Franchise B2B Logistic Platform for Truck Owners and Franchisees	Bizooku Philippines Inc.
75	Enhancement and Validation of the Advanced Robust Cooperative System (ARCS), an integrated Software-as-a-Service (SAAS) solution for cooperative management and regulatory compliance	IOL Inc.

	Project Title	Implementing Agency
76	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.
77	Market Segment Validation and Targeting for CodeChum, An Online Programming Class Platform	Maranga Software Solutions
78	Enhancement of the Prototype and Market Validation of Traceability Access for Consumer and Export powered by Artificial Intelligence (TrACE.AI) Software System	CAWIL. AI
79	Improvement and Assessment of Marketability of an AI-powered Buyer-Supplier Matching and Management System for Businesses in the Philippines	Burket.Ph, Inc.
80	Enhancing the MSME Supply Chain Experience by Integrating Cold Chain Solutions in DeliverE 2.0	InsightSCS Corp.
81	Agrabah: An Agriculture Technology Platform for Automated Logistics Booking for Farmers and Fisherfolks	Asian Institute of Management
82	Speciation and Isotopic Characterization of Mercury in Sediments in Honda Bay and Puerto Princesa Bay, Palawan	Philippine Nuclear Research Institute
83	Development of Framework and Materials for Distance and Remote Learning via Datacasting	De La Salle University
84	Sustainable BIM-Based Evaluation for Infrastructure Project Implementation	Mapua University
Terahertz Research and Innovation Program Leading to Commercially-Viable THz Time		
85	Project 4. THz Spectroscopic Fingerprinting of Controlled Substances Relevant to Human Health and Security	UP Los Baños
DOST-MOST Joint Research Program (JRP)		
86	Solar PV Resource and Installation Assessment Using Geospatial Technologies (SINAG)	UP Diliman
87	Green Oil and Phytochemicals from Cashew	Industrial Technology Development Institute
88	The Development of High-performance and Low-cost Membrane Electrode Assembly for Alkaline Fuel Cell Based on Ion/Electron Dual Conducting Catalyst Layers	UP Diliman
89	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
90	Establishment of DOST Food Safety Web Application	DOST Region IV-A
91	Towards Leveling- up OneLab for Research, Development and Innovation	DOST Region IX

	Project Title	Implementing Agency
92	A Game-based Mobile Learning Platform for Social Studies	Mariano Marcos State University - Main
93	MR. Tour Guide: A Cultural Adaptive Mapping Platform using Mixed Reality	Batangas State University
94	Passive Seismic Stratigraphy of Irregular Topography (PSSIT) Applicable to Mountainous Areas of Baguio City	Philippine Institute of Volcanology and Seismology
95	Design of a Modular Stator, Segmented Rotor Switched Reluctance Motor	UP Diliman
96	Scale-up Production, Stability and Other Applications of Natural Colorants for Cosmetics	Industrial Technology Development Institute
97	Stunt Science: A Physics Simulator Mobile Game	Western Institute of Technology
98	Philippine Comprehensive Nationwide Construction Resources Technical Evaluation (Philippine CoNCRETE)	UP Diliman
99	Unmanned Aerial System (UAS) with Passively Rotating Spherical Shell for Close-proximity Inspection of Infrastructure	Mindanao State University - Iligan Institute of Technology
100	Haynayan AR: An Augmented Reality-Based Lesson for the Improvement of Learning Achievement in Cell Biology for the STEM Curriculum	Philippine Science High School
101	Development of FIC Competency in Moving New Products from Concept to Market Launch	Industrial Technology Development Institute
102	Development of Plasma Coating Processes for the Furniture Industry	UP Diliman
103	Deployment of Energy Monitoring Application and Network at DOST (DEMAND) as Demonstration Sites	Industrial Technology Development Institute
104	Application of Natural Antioxidants Derived from Sugarcane for Food, Food Supplement and Cosmetics Production Formulations	UP Los Baños
105	Recovery of Nickel, Cobalt, Iron and Rare Earth Elements from Low Grade Philippine Laterite Ores using Atmospheric Leaching with Reduction Pretreatment	Mines and Geosciences Bureau
106	Development of Theoretical and Computational Models Based on Percolation Theory Leading Towards Durable Material Design	Mapua University
DOST-JSPS		
107	Preparation of Crown Ethers and Alpha-aminophosphonates Decorated Natural Fibers-based Hybrids Metal Ion Adsorbents by Fusing Multicomponent-reaction and Radiation-grafting of Polymers	Philippine Nuclear Research Institute

	Project Title	Implementing Agency
108	Smarter Philippines through Data Analytics R&D, Training and Adoption (SPARTA)	Development Academy of the Philippines
	Ships Ballast Water and Biofouling Treatment Systems for Marine Vessels (SAILS)	
109	Project 1. Port and Ballast Water Baselines using ecological, microbiological and eDNA approaches	UP Diliman
110	Implementation of the RDLead Program	National Research Council of the Philippines
	Securing Water Resources in Tourist Destinations in the Philippines: Pilot Study in	
111	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
112	Plant Protein Products from Local Sources	Industrial Technology Development Institute
113	Exposure Assessment of Food Chemical Contamination in Metro Manila: A Pilot Total Diet Study Approach	Food and Nutrition Research Institute
114	Development of Nanosilica-based Anti-Corrosion Coating Formulations for Carbon Steel Reinforcement Used in Farm Structures	UP Los Baños
	Enhancement of the Competence and Capability of the National Metrology Laboratory	
115	Project 1. Chemical Metrology for Organic Contaminants in Foods and Water	Industrial Technology Development Institute
116	Project 2. Chemical Metrology for Inorganic Toxic Elements in Food and Water	Industrial Technology Development Institute
117	Project 3. Biological Metrology for Microorganisms in Food	Industrial Technology Development Institute
118	Project 4. Strengthening the Physical Metrology Capabilities of the National Metrology Laboratory	Industrial Technology Development Institute
119	Understanding Lightning and Thunderstorms for Extreme Weather Monitoring and Information Sharing (ULAT)	Advanced Science and Technology Institute
120	Establishment of Regional Yarn Production and Innovation Center – Northern Luzon	Philippine Textile Research Institute
	Establishment for Smart Water Infrastructure and Management (SWIM) Research and	
121	Smart Water Control Infrastructures for Effective Irrigation Management	Isabela State University - Main
122	Project 3. GIS-Based Decision Support Tool in Managing Urban Water Infrastructure with Stormwater Intervention for Smart Cities: A Case for Cauayan City	Isabela State University - Main
123	Integrated assessment and analysis of hydraulic assets for sustainable and resilient flood control infrastructure	Cagayan State University - Carig
124	Assessment, Design and Development of Water Resources Projects and Interventions	Isabela State University - Main
	Institution Development Program	
125	Establishment of ParSU – MTL (Microbiology Testing Laboratory)	Partido State University

	Project Title	Implementing Agency
126	Establishment of a Solid Free Form Fabrication Research Laboratory (SoFFReL)	Pangasinan State University
127	Center for Green Nanotechnology Innovations for Environmental Solutions (CGNIES)	University of Mindanao - Bolton
128	Establishment of the Additive Manufacturing Center for Industrial Ceramics (AMCeram)	Adamson University
129	Establishment and Operationalization of Integrated Research and Development Laboratory (IRDL) in Antique	University of Antique
130	Establishment of AI Research Center for Community Development (AIRCoDE)	Camarines Sur Polytechnic College
131	Establishment of IoT Research Laboratory and Training Center	University of Perpetual Help System DALTA - Molino
132	Survey of Heatwaves in the Philippine Seas (SHIPS)	UP Cebu
133	Engineered smart concrete utilizing indigenous wastes for durable and intelligent infrastructure	University of Mindanao - Bolton
	Smart Food Value Chain Program	
134	Development of Mobile Modular Food Processing Facility (MMFPF)	Industrial Technology Development Institute
135	Development and Deployment of a Smart Toll Processing System for Vacuum-Fried Mixed Chips, Spray-dried Buko Powder and Thermally Processed Tuna Congee	Philippine Women's College of Davao
136	SMART INK: Development of a 3D Printing Nano-Structured Carrageenan Hydrogel	University of San Carlos
137	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	Industrial Technology Development Institute
138	Design, Fabrication and Testing of Electrical and Electronic Systems of a Locally Developed E-Trike	UP Diliman
139	Colorimetric and Performance Standardization of NatDyes Produced in Various NatDyes Hubs in the Philippines	Philippine Textile Research Institute
140	PAVE-Prototype Automated Visual Survey Equipment	UP Diliman
141	A Link-Up of Geomatics and Social Science Research for the Development of Smart Cities (LUNGSOD) Project	UP Diliman
142	Imahe Labs: An Educational Game for Chemistry in the Senior High School and Junior High School Sectors of Baguio City	University of the Cordilleras
143	Natural Fiber-based Technical Textiles for Smart Indoor Installations	Philippine Textile Research Institute

	Project Title	Implementing Agency
144	Natural Textiles as Innovative Formwork and Reinforcement for Freeform Concrete Structures	Philippine Textile Research Institute
145	Project CRUISE: A Capacitive Resistivity Underground Imaging Survey Equipment for Underground Utility Assessment of Philippine Infrastructures	De La Salle University
146	Developing the Capability of Micro- and Small-Scale Processors in the Manufacture of Quality Food Products from Philippine Cocoa Beans	Industrial Technology Development Institute
147	System for Optimized Routing for Transport (SORT)	De La Salle University
148	Safe, Efficient, and Sustainable Solar-Assisted Plug-In Electric Boat (Sessy E-Boat)	Mapua University
149	Progressive Advancement of Transportation networks through the Integration of vehicular Onboard Technologies with online platforms (ArangKaDATA)	UP Diliman
150	Production and Improvement of Construction Materials using Bacterial Calcite Precipitation	UP Diliman
151	Development of Innovative Food Products from Colored Philippine Tubers and Root Crops through the UPLB-DOST Food Innovation Center	UP Los Baños
152	Geotechnical Mapping of Metro Manila Subsoil (GEMMMS)	De La Salle University
153	Integrated Flood and Water Resources Management in ASEAN Basins for Sustainable Development	Isabela State University - Main
154	Development and Field Testing of Retort Foods as Food Ration for Men in Uniform during Combat and High Risk Operations	Industrial Technology Development Institute
155	Technical Support for DOST Regional Food Innovation Centers (rFICs)	Industrial Technology Development Institute
156	Development of Competency on Establishment and Validation of Adequate Processes for Thermally Processed Food	Industrial Technology Development Institute
157	Development of Artificial Groundwater Recharge Facility for Drought and Flooding Mitigation	DOST CAR
158	Production of Dietary Fiber using Sugarcane Bagasse from Raw Sugar Manufacturing	Industrial Technology Development Institute
159	AQUADRONE: UAV Assisted Deployment System for Water Quality Monitoring	University of Santo Tomas
160	"Waste to Wealth": Value-Adding Approaches to Transform Cacao (Theobroma cacao L.) Pod Husk Towards Economic Development	Isabela State University - Main

	Project Title	Implementing Agency
161	Heterojunction of Graphene-based composites for Membrane Applications in Covid19 Pandemic Mitigation	UP Diliman
162	Development of Multi-lingual Chatbot for Health Monitoring of Public School Children	De La Salle University
163	Development of a CNN and RNN topology for Impedance Spectroscopy Analysis	UP Los Baños
164	Design and development of intelligent traffic control and management system	Caraga State University
165	Establishment of a Mold Technology Support Center (MTSC)	Metals Industry Research and Development Center
Growth of an Island Arc (GAIA): Tectonic Consequences and Human Impacts		
166	Project 1. Evolution of the Luzon Arc: From igneous to sedimentary processes (GAIA)	UP Diliman
167	Project 2. Tectonic consequences of subduction in Northern Luzon (GAIA)	UP Diliman
168	Landslide Investigations on Geohazards for Timely Advisories in the Philippines (LIGTAS)	UP Los Baños
169	Marine and onshore geophysical investigations of the Manila subduction zone	UP Diliman
170	Pilot Testing of Packaging Technology Developed for frozen Durian using Locally Produced Packaging Materials	Industrial Technology Development Institute
171	Thermal Processing of Selected Materials Using Agitated-Type Retorts	Industrial Technology Development Institute
172	Synthetic Aperture Radar (SAR) and Automatic Identification System (AIS) for Innovative Terrestrial Monitoring and Maritime Surveillance	Advanced Science and Technology Institute
173	Knowledge Transfer to DOST Technical Staff: Catalyst to MSMEs' Gaining PQA for MSMEs	DOST Region IX
174	PROMT: Philippines Remediation of Mine Tailings (Large Grant)	Philippine Nuclear Research Institute
Establishment of the Center for Research and Innovation in Biopolymers (CRIB)		
175	Processing of Coconut Monoglycerides (CMG) into Functionalized Polyols for Industrial Polyurethane Applications	Mindanao State University - Iligan Institute of Technology
176	Development of a Local Cloud-Based Digital Apparel Prototyping Platform of the PTRI-Textile Product Development Center as a Response to the "Now Normal"	Philippine Textile Research Institute
Establishment of the e-Trike Research and Development Center		
177	Design, Development and Fabrication of the Different Parts and Assembly of e-Trike	Cagayan State University - Tuguegarao (Carig)
Autonomous Societally Inspired Mission Oriented Vehicles (ASIMOV)		
178	Robot for Optimized and Autonomous Mission-Enhancement Responses (ROAMER)	Advanced Science and Technology Institute
179	Harmonized Aerial Watch and Knowledge-based Survey (HAWKS)	UP Mindanao

	Project Title	Implementing Agency
180	Optimization of the GeoRiskPH Integrated System through Risk Assessments, Site Suitability Models and 3D Visualizations to Aid Policy and Decision-Making (3D Earth Risk)	Philippine Institute of Volcanology and Seismology
Scaling Up Climate Information Services for Societal Benefits (CLIM' UP)		
181	Project 1. Development of high-resolution observation-based gridded sub-daily climate data for the Philippines (ClimGridPh)	Philippine Atmospheric, Geophysical and Astronomical Services Administration
182	Project 2. Development of Prediction and Warning System on Sub-Seasonal Scale of Extreme Events Associated with Monsoon in the Philippines (Monsoon@Ph)	Philippine Atmospheric, Geophysical and Astronomical Services Administration
BOONDOCK: A Mountain Engineering Center towards Sustainable Infrastructure and		
183	Slope Stability Analysis and Engineering Intervention for Rice Terraces and Road Infrastructures in Terrain Areas	Kalinga-Apayao State College-Main
184	Upland River and Spring Water Assessment and Management	University of the Cordilleras
185	Plant-Derived Biochar as Fabric-Based Electrode Materials for Supercapacitor Devices	University of Santo Tomas
186	Establishment of the PRR-1 Subcritical Assembly for Training, Education and Research (SATER)	Philippine Nuclear Research Institute
Philippine Sky Artificial Intelligence (SkAI-Pinas)		
187	Automated Labeling Machine - Large - Scale Initiative (ALaM-LSI)	UP Mindanao
188	ASTI - Automated Labeling Machine (ASTI-ALaM)	Advanced Science and Technology Institute
189	ADMATEL Expansion Towards Long Term Competitiveness and Sustainability – Phase 2: ADMATEL Geared for PHL Industry 4.0 (ADEX2)	Industrial Technology Development Institute
190	Innovation, Science and Technology for Accelerating Regional Technology-Based Development (iSTART)	DOST Region XIII
191	PROTex (Protective, Re-engineered, Occupational Technical Textiles) Research and Development: Establishment of the PTRI Medical Textile Testing Laboratory	Philippine Textile Research Institute
192	Port Capacity Analysis and Route Optimization for Local Maritime Administration	UP Diliman
193	Customer Focused DARIUS II	DOST Region IV-A
194	Recycling and Recyclability Index of Public Utility Vehicles (PUVs)	University of Asia and the Pacific
195	Parallel Testing of the Traditional Gold Extraction Process versus CLINN-GEM Technology of UP-DOST Characterization of Tailings and Monitoring of the Gold-Copper Pilot Plant in Jose Panganiban, Camarines Norte	DOST Region V

	Project Title	Implementing Agency
196	Enhancement of Transportation Management Software (E-TraMS)	UP Diliman
197	Sustainable Technology - Assisted Route Planning for Region VI (STARPLAN VI)	De La Salle University
198	Design of Highly Active Kapok Fiber Electrodes for Energy Applications	UP Diliman
199	Philippine Groundwater Outlook (PhiGO)	Ateneo de Manila University
200	Kapok fibers absorbent with customizable hydrophobicity /hydrophilicity for oily water and wastewater treatment	UP Diliman
201	Development of Food Safety Guidelines for the Food Service Sectors	Food and Nutrition Research and Development
202	Investigation and numerical modelling of Philippine tsunamis based on historical, geomorphological and geological evidence of past earthquakes	UP Diliman
Higher Education Institution Readiness for Innovation and Technopreneurship -		
203	Establishment of a Regional Startup Ecosystem Consortium in Southern Luzon	Batangas State University
204	Rizal the Scientist Promotional Campaign	Science and Technology Information Institute
Young Innovators Program		
205	3D Printed Waste Battery Rod Derived Exfoliated Graphite-Polymer Composites for Electronic Sensor Applications	Batangas State University
206	Innovating R&D through Simulation Driven Machine Design	Capiz State University - Burias Campus
Providing Resources, Opportunities and Support for Project-based Personnel and		
207	Graph Query Language (GQL) – Based Geospatial Intelligence: A Novel Approach to Public Transport Data Modelling for Route Recommendation	De La Salle University - Manila
208	Activity-Based Modeling for Transport Last Mile Mobility and Decision Support System for COVID-19 Pandemic (ACTS)	UP Los Baños
209	Economic and Life Cycle Analysis (LCA) of Single-use Plastic (SUP) in the Philippines	Industrial Technology Development Institute
210	Rapid Appraisal of the Status and Prospects of Rabbit Meat Industry in the Philippines	Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development
Maritime Transport Program		
211	Preliminary Technology verification of the prototype hybrid trimaran passenger and cargo vessel using multi-engine and alternative energy source from ocean waves	Aklan State University - New Washington
Human Resource Development Program		
212	Development of Halal Compliant Restructured Goat Meat Products and Freeze-Dried Mango-Yogurt	Sultan Kudarat State University

	Project Title	Implementing Agency
213	Liveable City: Transitioning to Low Impact Development strategy to mitigate the impact of climate change-induced urban floods in the City of Balanga, Bataan	Bataan Peninsula State University - Main Campus
JST-UKRI-DOST 'Science, Technology and Action' Nexus for Development (STAND)		
214	PlastiCount Pilipinas: counting and visualizing marine plastics pollution in the Philippines	UP Diliman
215	Integrated network-based management for SEA coasts (InMSEA)	UP Diliman
216	Resilient Education Information Infrastructure for the New Normal	Advanced Science and Technology Institute
217	Mathematical Resources for Distance Learning Utilizing Community LTE Networks and Television Frequencies	Ateneo de Manila University
Good Governance through Data Science and Decision Support System (GODDESS)		
218	Development of Data Analytics and Information System: Support on Social Welfare Services for Senior Citizens of Butuan City	Father Saturnino Urios University
219	PhilRice Data Analytics Initiative - RiceLytics	Department of Agriculture - Philippine Rice Research Institute
220	Hundred Islands National Park Management System: Implementation of Smart Tourism	Pangasinan State University
221	Development of Draft Standards and Recommended Code of Practice for Processing of Peanut Butter	Industrial Technology Development Institute
Climate-responsive Karst Management for Sustainable Tourism in the Philippines (PhilKarst Program)		
222	Influence of surface and subsurface processes in karst degradation and its impacts on sustainable tourism	Department of Environment and Natural Resources - Mines and Geosciences Bureau
223	Integrated Characterization, Quantitative Assessment, and Statistical Modelling for geologic hazards in Karst landscapes in the Philippines: Input to Management Plans for sustainable tourism	Department of Environment and Natural Resources - Mines and Geosciences Bureau
224	Determination of Appropriate Expansion Process of Perlite to Conform to Standards of Light Weight Aggregates for Use in Construction	UP Diliman
225	Development of Halal Compliant Dehydrated Food Products from Selected Food Materials (Fruits, Vegetables and Rootcrops)	Industrial Technology Development Institute
226	Integration of Machine Learning Inference on Home Energy Storage System (HESS) to deliver long-term optimized self-consumption with low probability of power loss	Holy Angel University

	Project Title	Implementing Agency
227	Development of Column-Packed Adsorbent for Chrome Recovery from Tanning Wastewater	Philippine Nuclear Research Institute (PNRI)
Integrated Mapping, Monitoring, Modeling, and Management System for Manila Bay and		
228	Development of an Integrated Mapping, Monitoring, and Analytical Network System for Manila Bay and Linked Environments (MApABLE)	UP Diliman
229	Integrated Waste Analysis, Survey and Technological Options (IWASTO)	UP Diliman
BATTERY: Broadening Accumulator Tenable Time Extends Rechargeability Years		
230	TUNER: Transmissometry Using Nonlinear Electrode Response	Technological Institute of the Philippines
231	SOUNDER: Sonic Oscillations Unleashing Nonconductive Deposits on Electrode Reactors	Technological Institute of the Philippines
Comprehensive Water Resources Assessment and Management Plan for Nabaoy River Watershed and Boracay Island		
232	Hydrological Characterization of Boracay Island's Groundwater System and Nabaoy Watershed using Isotope and Nuclear-based Analytical Techniques	Philippine Nuclear Research Institute
233	Establishment of Advanced Mechatronics, Robotics, and Industrial Automation Laboratory (AMERIAL) in Support of the Metals and Engineering Industry	Metals Industry Research and Development Center
234	Image Mapping of Energy Conversion Efficiency and Other Parameters Across Solar Cell Active Areas using Photoexcitation and Photothermal Effects	UP Cebu
Women-Helping-Women: Innovating Social Enterprises (WHWISE) - Customized Incubation Program for Women-Led Social Enterprises		
235	Innovation thru Building and Leveraging Entrepreneurship Development, Networking and inclusive Community Engagement for WomEntrepreneurs (iBLEnDNICE 4WomEn)	Mindanao State University - Iligan Institute of Technology
236	Process and Product Optimization of Black Garlic used as Flavor Enhancer	Mariano Marcos State University - Main
DOST Halal REDI Tourism Program: DOST Halal Research Ecosystem for Development		
237	Development and Deployment of Halal Tourism Training Module and Halal Assurance Systems (HAS) to Secure Halal Compliance of Tourism Establishments	DOST Region XI
238	Establishment of Halal Assurance Management System and Halal-compliant Standardized Process for Spa Skincare Products for the Halal Tourism Industry	Industrial Technology Development Institute
239	The PEEL-Good Project: Bench-scale Ultrasound-assisted Extraction of Pectin from 'Saba' Banana Peel Waste	UP Los Baños

	Project Title	Implementing Agency
240	In Silico Nanotoxicology Evaluation of Engineered Nanomaterials: Bridging the Data Gap on Experimental Approaches for Toxicity Appraisal with Implications to Nanomaterial Risk Assessment and Nano-safety	Caraga State University
241	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
Smart Solutions to Urban Flooding		
242	Project 1. Drainage Crawler/Probe Development for Drainage Inspection (DraCrawla) Project	Cebu Institute of Technology University
243	Project 2. City-Wide Urban (CURB) Flood Modeling Project	UP Cebu
244	Project 3. POSTE (Interconnected Poste Kits for Environmental Sensing) Project	University of San Carlos - Talamban Campus
DOST-Newton Agham Institutional Link Grant		
245	Utilising Marine Renewable Energy to Satisfy Community Energy Demands and Stimulate Socio-Economic Development within the Philippines	Mindanao State University - Iligan Institute of Technology
246	Comparative Study Between Standard Methods and Philippine Made PM and CO Measuring Devices	Industrial Technology Development Institute
247	PECTIN-CARRAGEENAN MIXTURES: High Precision Characterization of Hydrogel Heterogeneity Properties with Optical Tweezers and FESEM Imaging	University of San Carlos - Talamban Campus
248	Complementing Conventional Techniques with Isotope Techniques to Detect Inorganic Fertilizer Application and Haram Ingredients in Food Production	Philippine Nuclear Research Institute
Food Authenticity and Traceability using Isotope Techniques Program		
249	Tracing the Geographic Origin of Philippine Carabao Mango Through Chemolotopic Fingerprinting	Philippine Nuclear Research Institute
250	Stable Isotope and Multi-Elemental Profiling of Coffee and Cacao Beans in the Philippines by IRMS and XRF for Origin Identification	De La Salle University - Manila
251	Adulteration Detection and Fingerprinting of Philippine Honey Using Stable Isotopes (Phase 2)	Philippine Nuclear Research Institute
252	Blockchain-Based Novel System/ Application for Transparent Traceability of Halal-and-Tayeb Cacao Products	DOST Region XI
253	Development of Fiber-Reinforced Self-Compacting Concrete (SFRSCC) for corrosion reduction	Far Eastern University - East Asia College

	Project Title	Implementing Agency
254	Green Fiber-reinforced Polymer (FRP) Composites as an Innovative Repair System for Earthquake-prone Historical Buildings	De La Salle University - Manila
255	Refining Laterite-based Crude Pig Iron for Specific Product Applications	Metals Industry Research and Development Center
256	Recovery of Scandium from Laterite-based Pig Iron Slag by Dry Digestion and Precipitation Methods	Department of Environment and Natural Resources - Mines and Geosciences Bureau
257	Technical Study on the Use of Synthesized Laterite-Iron Sand as Feed Material for Shaft Furnace Ironmaking Technology	Department of Environment and Natural Resources - Mines and Geosciences Bureau
258	Recovery of Rare Earth Elements and Strategic Elements from Coal Fly Ash by Hydrometallurgical Techniques	Mindanao State University - Iligan Institute of Technology
259	Nurturing Interest in STEM Among Filipino Learners Using Minecraft	Ateneo de Manila University
260	Improving the Livelihood of MSMEs thru Cable Supported Water and Transport Infrastructure	Saint Louis University
261	CARRAGEENAN RESEARCH & DEVELOPMENT LAB (CR&De-L): Developing Cold-Soluble Powders, Bioplastic Sheets, and Bioactive Hydrogels from Nano-Structured Carrageenans	University of San Carlos - Talamban Campus
DOST-Southeast Asia - Europe Joint Funding Program		
262	Metal Oxide Hybrid Structured Barriers for Stable Energy Devices	De La Salle University
263	Development and Institutionalization of DOST Foresight Framework and Protocol	Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development
Diversification of Philippine Textiles through Nonwoven Innovations Program		
264	Development of Nonwoven Finishing Technologies toward Alternative Leather	Philippine Textile Research Institute
265	Technical Non-Woven Lignocellulosic Fibers for the Automotive and Air Filtration Application	Philippine Textile Research Institute
266	CAPPS: Ceramic Armor Plates from Philippine Silicates for Philippine National Defense	Mindanao State University - Iligan Institute of Technology
267	Development of an AI-assisted Thunderstorm Early Warning System from Analysis of Doppler Radar Data	UP Diliman
Establishment of Coastal Engineering and Management Research and Development		
268	Enhancing Coastal Design and Infrastructure Intervention through the Establishment of Wave Testing Facility	Mariano Marcos State University
269	Assessment, Monitoring, and Prediction of Coastal Flooding of Selected Municipalities in Region I	Mariano Marcos State University
270	Nature-based Engineering Approach to Coastal Protection in Region 01	Don Mariano Marcos Memorial State University - North La Union Campus

	Project Title	Implementing Agency
271	Coastal erosion trends and management strategies for Region 1	UP Diliman
	Environmental Technologies Research Center for Sustainable Industries	
272	Air SAVER: Air Purification using Sustainable Aluminosilicates for Valenzuela Environmental Remediation	UP Diliman
	Center for Advanced Materials for Clean Energy Technologies based on Indigenous Materials (CAMCET)	
273	Fabrication of Nanostructured Silica-based Nanocomposite Membranes for Proton Exchange Membrane Fuel Cells (PEMFCs) Applications	Mapua University
274	Biomass-Derived Nanomaterials as Novel Electrocatalyst Components for Direct Ethanol Fuel Cells	University of Santo Tomas
275	Intelligent Structural Health Monitoring via Mesh of Tremor Sensors (meSHM)	De La Salle University

List of Completed Projects with Published Paper and/or filed/approved Patent
(2019 - 2021)

	Project Title	Implementing Agency
	Institution Development Program	
1	Enhancing the Natural Science Research Center Laboratories of Central Mindanao University	Central Mindanao University
2	Establishment of a Pampanga State Agricultural University (PSAU) Bio-energy Laboratory	Pampanga State Agricultural University
3	Establishment of Renewable Energy Laboratory and Demonstration Park	Isabela State University
4	Development of Geographic Information System (GIS) Innovation Laboratory	University of the Cordilleras
5	PUP College of Engineering Sensors and Mechatronics Laboratory	Polytechnic University of the Philippines
6	Establishment of a Plasma Physics Laboratory for Materials Processing Applications	UP Baguio
7	Establishment of a Plasma Laboratory for Materials Processing Applications	UP Diliman
8	UP Cebu Cybersecurity Research and Extension Center	UP Cebu
9	Establishment of an Additive Manufacturing Research Laboratory	Bataan Peninsula State University
10	Establishment of the University of San Carlos Center for Advanced Computational Modelling and Simulation (CACoMS)	University of San Carlos
11	Acquisition of Laboratory Equipment in Support of the facility for Nanotechnology R&D in Central Luzon State University	Central Luzon State University
12	Water - Energy - Nutrient Nexus in the Cities of the Future	De La Salle University
13	Regional Disaster Science and Management S&T Capacity Development (Phase III)	Mariano Marcos State University
14	Specific Earthquake Ground-Motion to help Enhance the Seismic Resiliency of Residential and Medium-to-High Rise Buildings in Metro Cebu and Metro Davao	Philippine Institute of Volcanology and Seismology
15	Metro Manila Transportation Network: Big Data Analytics and Applications (MMTN:BDAA)	De La Salle University
16	Binary Gels-Rheology of Two-Component Biopolymer Hydrogels Investigated Using Optical Tweezers and Non-Linear Rheometry	University of San Carlos
17	Optical Trap-Mediated Interaction Between Cancer Cells and Elucidated Compounds from Vegetable Extracts in PEMF (Pulsed Electromagnetic Field) Background Energy	De La Salle University
18	Ultrafast MBE-Grown Terahertz Photoconductive Antenna Devices	UP Diliman
19	Innovation And Technopreneurship Hub (ITech) (Caraga TBI)	Caraga State University

	Project Title	Implementing Agency
20	Enhancement of Prototype and Assessment of Product Marketability of Machibox (A Robotics Kit for Stem-Based Learning)	Machibox, Inc
21	Rurok Bikes: Variable Geometry And Efficient Suspension Pedalling Platform	Rurok Industries
	Geo-SAFER Mindanao: Geo-informatics for the Systematic Assessment of Flood Effects and Risks for a Resilient Mindanao	
22	Project 1. Geo-SAFER Zamboanga Peninsula: Systematic Assessment of Flood Effects and Risks in the Zamboanga Peninsula, Mindanao, Philippines	Ateneo de Zamboanga University
23	Project 2. Geo-SAFER Northern Mindanao/ Cotabato: Systematic Assessment of Flood Effects and Risks in Northern Mindanao And Cotabato, Philippines	Central Mindanao University
24	Project 3. Geo-SAFER Agusan: Systematic Assessment of Flood Effects and Risks in the Agusan River Basin, Caraga Region, Mindanao, Philippines	Caraga State University
25	Project 5. Geo-SAFER Southeastern Mindanao: Systematic Assessment of Flood Effects and Risks in Southeastern Mindanao	UP Mindanao
26	One Click: Android/Web-based Student Response and Understanding Visualizer	Mapua University
27	Fringe-area Data Access by Transient Altitude Provision	De La Salle University
28	Techno - Economic Feasibility Study of Micro-Grid in A Remote Community	Mindanao State University - Iligan Institute of Technology
29	Development, Standardization, and Characterization Studies of Tupig, Bukayo, and Bibingka-Region 1 Native Delicacies	Pangasinan State University
	Geospatial Monitoring System for High Value Projects funded by DBM Program	
30	Project 1. Monitoring and Assessment of Planting Activities and other Applications (MAPA2)	UP Diliman
31	Project 2. Remote Assessment for Irrigation Networks (RAIN)	UP Diliman
	Integrative Studies on the Geodynamics of the Philippine and Taiwan Arc System	
32	Project 1. Investigating the Tectonic Evolution of Northern and Central Philippine Arcs through Geochemistry and Geophysics	UP Diliman
33	Project 2. Coastal Tectonics of Central Philippine Islands and Its Implications for Seismic Hazards	UP Diliman
34	Project 3. Geophysical Characterization of the Western Philippine Subduction Zones	UP Diliman
35	Upgrading and Enhancing the Capacity of the Packaging Technology Division in Packaging Research and Innovation	Industrial Technology Development Institute

	Project Title	Implementing Agency
	MECO-TECO: Improvement of Forecast Capability on Weather, Marine Meteorology and Short Range Climate	
36	Project 1. Typhoon Formation, Structure and Intensity Change in Western NP and Wave Observation and Modeling	Philippine Atmospheric, Geophysical and Astronomical Services Administration
37	Project 2. Heavy Rain Monitoring and Forecasting in the Mountainous Area and Early Warning Landslides	UP Los Baños
38	Project 3. Observations and Dynamical Downscaling of Seasonal and Sub-seasonal Forecasts	Philippine Atmospheric, Geophysical and Astronomical Services Administration
39	Tracing the Pathways of Mercury Concentration in Mined-Out Area	Philippine Nuclear Research Institute
40	Promoting Innovative Philippine Nuclear Science and Technology Applications at the International Atomic Energy Agency (IAEA) General Conference Exhibition and IAEA General Conference Side Events/ Symposia	Philippine Nuclear Research Institute
41	Production of NanoCellulose Crystals: Powder, Advanced and Derivative Products for Various Industry Applications	Nanotronics, Inc.
	Natural Dyes and Colorants R&D Program	
42	Project 1. Commercial Scale Verification Of Natural Dyes For Textiles	Philippine Textile Research Institute
43	Project 3. Extraction, Characterization, and Application of Natural Colorants in Nutritional Food Products	Food and Nutrition Research Institute
44	Standards And Testing Automated Modular Platform (STAMP)	UP Diliman
45	Development of a Raman Microscopy and Spectroscopy (RMS) Setup	UP Diliman
46	Comparison of Different Enzyme Preparations for the Production of Oligofructose and Inulin from Sugarcane Juice	Cavite State University
47	Development of Ready-to-Eat Corn Grit Meals	UP Diliman
48	Cyber-physical Transportation System	UP Diliman
49	Recycling and Recyclability Index for End-of-Life Jeepneys	University of Asia and the Pacific
	Improvement of Production and Utilization of Abalone (<i>Haliotis asinina</i>) in MIMAROPA	
50	Development of Bottom Housing System for Abalone Farming	Western Philippines University
51	Development of Food and Non-Food Products from Abalone	Marinduque State University
52	Development of Freeze-Dried Local Alternative Flavors for Ice Cream	Benguet State University
53	Pilot Implementation of ITDI's Pre-Commercialization Tools/ Strategies for Effective Transfer and Commercialization of Generated Technologies and Intellectual Properties	Industrial Technology Development Institute

	Project Title	Implementing Agency
54	Product Development and Commercialization of Iqube Home Kit	Tactiles Corporation
55	Establishment of the Technology Management System and Structure of the Ateneo De Manila University	Ateneo De Manila University
56	Development of Gourmet Salt Products and Micro-sized Salt in Laboratory Scale	Industrial Technology Development Institute
	Integrated Assessment and Modelling of Blue Carbon Ecosystems for Conservation and Adaptive Management (IAMBlueCECAM)	
57	Project 6. Suitability Models for Guiding Mangrove Replanting Efforts (SUITMAPS)	UP Diliman
58	Project 8. Multi Agent Systems for Simulating Policy Scenarios on Blue Carbon Ecosystems (BLUEMASSPOLIS)	UP Diliman
	Development of a Fixed Wing Short Take-off and Landing (STOL) Unmanned Aerial Vehicle (UAV) for Disaster Risk Reduction and Management	
59	Project 1. Design and Fabrication of an Airframe for Medium-Range, Short Take Off and Landing UAV	FEATI University
60	Project 2. Development of a Flight Controller for a Modular UAV	De La Salle University
61	Project 3. Cooperative UAV Missions and Applications with Custom Communications and Imaging Capabilities	Ateneo De Manila University
62	Design and Improvement of Gong Fabrication Processes Through S&T Intervention	Metals Industry Research and Development Center
63	Design and Development of a PLC-Based High Capacity Tissue Culture Growth Chamber	Cavite State University
64	Development and Social Media Reading Tool for Filipinos	Senti Labs Tech, Inc.
65	Beta Testing of Biotechnology Kits for Stem Education	Kinovette Scientific Solution Co.
66	Development of Data Analytics, Big Data, and Artificial Intelligence to Build A Smart Restaurant Management Platform	Restagraph, Inc.
67	Enhancement of K-12 Grading System Towards Intelligent Computing Environment through Wela School Innovation (Responsive Monitoring System For Educational Institution)	Wela School Systems
68	Development of Earthquake Intensity Monitoring System	Mapua University
	Development of the Philippine Scientific Earth Observation Microsatellite Program (PHLMicrosat)	
69	Project 1. Microsatellite BUS Development for Philippine Microsat	UP Diliman
70	Monitoring and Evaluation of Batch II Complementary Food Technology Adoptors	Food and Nutrition Research Institute
71	Enhancement of Prototype and Market Readiness of R-TAP (an advanced pressure management system for water utilities)	Hiraya Technology Solutions Inc.
	Communicating Science for the People Program	
72	Doubling The Reach through Information, Education and Communication (IEC) Campaign	Science and Technology Information Institute

	Project Title	Implementing Agency
73	Enhanced S&T Experience using Leading-Edge Learning Additions and Realities (STELLAR)	Science and Technology Information Institute
74	Strengthening the Core	Science and Technology Information Institute
	Nutritional Intervention Model in Time of ManMade Calamities -A Quick Response to Emergency	
75	Project 1. Production of Nutritional Food Products for Conflict Stricken Areas	Food and Nutrition Research Institute
76	Project 2. Implementation of GarNESupp (Gardening, Nutrition Education, Supplementary Feeding) Model in Conflict-stricken area (Marawi)	Food and Nutrition Research Institute
77	Portable Potable Water Equipment for Disasters and Emergencies (PWEDE)	UP Diliman
78	Establishment of Spray Drying Technology and Equipment for the Regional FICs (Batch 2)	Industrial Technology Development Institute
79	Tabang MARAWI (Malnutrition Alleviation and Health Restoration through After-War Interventions)	Food and Nutrition Research Institute
80	Field Testing and Technology Validation of the E-Procurement System (ePS) for Government Agencies	Infodynamics Technologies
81	Summer Training Camp for High School Students on Genomics and Bioinformatics at the Philippine Genome Center	UP Diliman
82	Fabrication and Performance Evaluation of Abaca Fiber-Reinforced Composites for Boat Application	Industrial Technology Development Institute
83	Universal Sensing Meter for Instruction & Laboratory Experiments (U-SMiLE)	West Visayas State University
84	Generalized Automated Microfluidics and Micro-actuator Assembly (GAMMA)	UP Diliman
85	Angular Goos-Hänchen Shift: An Optical Phenomena for Ultra Thin Film Thickness Measurement	UP Diliman
86	Fabrication of Highly C-axis Oriented YBCO Superconducting Thin Films by Sedimentation Deposition	UP Diliman
	µC-IC: Design of Microcontroller Integrated with Energy Harvesting and Power Management Program	
87	Project 1. Development of Microprocessor for Wireless Sensor Network Application	Mindanao State University - Iligan Institute of Technology
88	Project 2. Power Management Unit using Low Drop-out Regulator and Switched Capacitor DC-DC Converters	Mindanao State University - Iligan Institute of Technology
89	Project 3. Design of Indoor Light Energy Harvesting for Wireless Sensor Network Applications	Mindanao State University - Iligan Institute of Technology
90	Flood Risk Assessment for Mitigation and Effective Response (FRAMER) of Riverine Towns in Selected River Basins in Cavite, Batangas, and Quezon Provinces using Most Recent LiDAR DEM	Mapua University
91	Geospatial Assessment and Modelling of Urban Heat Islands in Philippine Cities (GUHeat)	UP Diliman
92	Formulation of a Settlements Development Model in New Growth Areas in the Philippines	UP Diliman

	Project Title	Implementing Agency
93	Fire Check: Urban Fire Hazard Mapping and Fire Spread Modeling	UP Cebu
94	Sustainable Wastewater Treatment Systems with Nutrient (SWAN) Recovery	De La Salle University
95	MCWQM: Multi-platform and Cross-Sensor Water Quality Monitoring	UP Diliman
96	Electromagnetic Radar Technique For Water Detection	Mindanao State University - Iligan Institute of Technology
97	Post-Treatment of Food Processing Wastewater Effluent for Nutrient Removal	Industrial Technology Development Institute
98	Design review, design finalization and production assessment of a locally fabricated optical aerosol monitor (ROAM)	UP Diliman
99	Enhancing the applicability of Vertical Helophyte Filter Systems (VHFS) for Small Communities, Local MSMEs and Public Entity	University of Immaculate Conception
	SCALE: Synergistic Capacity Advancement in the Management of Laguna Lake	
100	Project 1. Antibiotics, Endocrine Disruptors and Heavy Metals in Laguna Lake Water: Impacts on Food and Water Security	UP Diliman
101	Project 2. Microbial Source Tracking in Selected Tributaries of Laguna de Bay	UP Diliman
102	Project 3. TRACe Fish – Trace Organics and Metals in Commodity Fish: Method Optimization, Extent of Contamination and Health Risk Due to Fish Intake	UP Diliman
103	Development of Food Reference Materials for Nutrition Labeling for Use of Local Testing Laboratories Phase 2: Establishment of ISO 17034:2016 QMS and Development of Fish Reference Materials for Proximate, Minerals and Cholesterol Analyses	Food and Nutrition Research Institute
104	Establishment of the PTRI "Perfect Fit" Textile Product Development Center	Philippine Textile Research Institute
105	Enhancement, Field Validation and Market Readiness Detection of DNA-based Nanobiosensor for the E. coli, E. coli O157:H7 and Salmonella enterica in Food, Feed and Farm Produce	UP Los Baños
106	CharM - Charging in Minutes Spinoff Project - Technology Development for Manufacturability and Open-water Market Validation	UP Diliman
	Funding Assistance for Spin-off and Translation of Research in Advancing Commercialization Program	
107	Product Testing and Market Validation of Marine Nanocoat for Anticorrosion, Antibarnacle, AntiUV coating for ship applications	De La Salle University
108	MAPX: Manage Assets and Properties and Map for Visualization	Caraga State University
109	Commercial Development of Production, Application and Full Market Study of Monascus Red Colorant	UP Los Baños
110	Assistance in the Commercialization of DOST Funded Technologies in De La Salle University	De La Salle University

	Project Title	Implementing Agency
111	Support to the Commercialization of 500 DOST-Generated Technologies (Phase 2): Strengthening the Intellectual Property and Technology Portfolios of the DOST	Technology Application Promotion Institute
112	Mindanao Scale Up Program for DOST - iDEYA - TBI	Mindanao State University - Iligan Institute of Technology
113	Training and Internship Program for Increased Local Bioinformatics Utility and Expertise	UP Diliman
114	Development of a Wastewater Filtration System Using Indigenous Materials	Mariners Polytechnic Colleges Foundation of Canaman, Inc.
115	Development of an Alternative Credit Scoring Model applying Machine Learning in Financing Farmers	Cropital Enterprises Corporation
116	PCIEERD NSRI Research Grant	UP Diliman
117	Field and Market Testing of ILAWA: Renewable Power Generation Using Recycled Anodic Material for Small Fishing/Touring Vessels	Technological Institute of the Philippines
118	Fermentation and Purification Research to Produce Food Grade, Pharmaceutical-Grade, and Polymer Grade Lactic Acid	UP Mindanao
119	Prototype Development of Natural Fiber-Thermoplastic Composites from Agricultural and Industrial Wastes for Industrial Applications	Industrial Technology Development Institute
	Nanostructured Scaffolds from Natural Biomaterials for Biomedical Application	
120	Project 1. Nanofibrous Scaffolds from Natural Biomaterials for Tissue Engineering	Industrial Technology Development Institute
121	Project 2: Nanostructured Scaffolds from Natural Fibers as Platforms for Stem Cell Growth and Differentiation	University of the Philippines-Diliman
122	Prototype Development of the Deepwater Operation 3D Visual Mapping and Inspection System (PD-DOMAINS)	Antipara Exploration Inc.
123	Enhancing Man-Machine Interaction through Intelligent Conversational Agents	De La Salle University
124	Development of a Passive Neutron Spectrometry System (PNSS)	Philippine Nuclear Research Institute
125	Remote Sensing and Data Science: DATOS Helpdesk	Advanced Science and Technology Institute
126	A Dispersive Long-Wave Model for Predicting Coastal Flooding due to Storm Surges and Surface Waves in Manila Bay	Philippine Atmospheric, Geophysical and Astronomical Services Administration
127	Mapping of offshore active faults for resilient coasts	UP Diliman
128	Development of an Effective Distribution System for RTE Retort Foods (Chicken Arroz Caldo and Smoked Fish Rice Meal) to Mitigate the Magnitude of Distress for Calamity Survivors and Providers of Services	Industrial Technology Development Institute
	ISALT: Improving Productivity and Efficiency of Local Salt Producers towards a Self-Reliant Philippines in 2020	
129	Project 1. Design, Prototyping of Salt Processing Equipment (Washer, Dryer, Iodizer, Crystallizing Pan, Furnace, Concentrator (Ion exchange membrane)	Industrial Technology Development Institute

	Project Title	Implementing Agency
130	Assistance in the Commercialization of DOST Funded Technologies in Caraga State University	Caraga State University
131	Self-Healing Materials Based on Cyclodextrin and Ferrocene Self-Assembly towards Formulation of Coatings	Ateneo De Manila University
132	Establishment of Halal Assurance System for Bakery Products	Industrial Technology Development Institute
133	Development of a Design Guideline Using Finite Element Analysis (FEA) for Semiconductor Packages	De La Salle University - Science and Technology Complex
134	Development of a Philippine Indigenous Instrument Sounds Database	UP Diliman
135	Research and Development Project to Rehabilitate and Enhance Productivity in Lahar and Ash-Laden Areas in Central Luzon	Central Luzon State University
136	Development of a System that Can Determine and Classify the Layout Correctness of Integrated Circuit Layout Blocks using Machine Learning	University of Perpetual Help System - Dalta
137	Master of Research and Development Management	UP Open University
138	SPHERE: An Ultrawideband Technology based Innovation for Search and Rescue Operations in the Philippines	Mapua University
Sustainable Mineral Resources in the Philippines		
139	SAGES: Systems Approach for Greener, Eco-efficient and Sustainable mineral resource management	De La Salle University - Manila
140	Development of Urdaneta City Bagsakan Market Tariff Information Systems	Urdaneta City University
141	Optimization of Decision Support System for Effective e-Governance (ODeSSEE) on Preemptive Evacuation for Flood Disaster amidst Covid-19 in Cagayan Valley	Isabela State University - Cauayan
142	Helmet-Integrated Medium-Range IR Thermal Scanner	San Carlos College
143	Pilot Testing and Deployment of Automated Quarantine Control Checkpoint Mechanism in Support of National COVID - 19 Initiatives	DOST NCR
144	MBCO_FIELD TESTING OF MODULAR ECO-FRIENDLY DOMESTIC WASTE WATER (MEDoWW) MANAGEMENT FOR SMEs: Lodging Inns, Transient Housetels, Budget-Hotels and Commercial Establishments	Adamson University
145	Development of Inkjet CMYK Digital Printing Inks from Philippine Natural Dyes	Philippine Textile Research Institute
146	PATURO: Platform for Assessment and Tracking of Urbanization-Related Opportunities	Asian Institute of Management
147	Management of Dredged Materials: Characterization, Treatment, and Disposal (CharTeD DreaM)	Industrial and Technology Development Institute
148	Coastal Sea Level Rise in the Philippines (CSLR)	UP Diliman
149	ZEOSKIN: A Green Indoor Air Filter	Saint Louis University

	Project Title	Implementing Agency
150	Training Needs Assessment and Development and Deployment of Training Modules on Halal	DOST Region XI
151	Development of Low Heat and Low Humidity (LH)2 Drying System for DOST Malnutrition Reduction Program (DOST-MRP) Facilities	Food and Nutrition Research Institute
Higher Education Institution Readiness for Innovation and Technopreneurship		
152	Establishment of the DOST - Bicol University Technology Business Incubation (BU-TBI) Center for Bicol Region	Bicol University
153	Support for the Establishment of TBI in Holy Angel University (HAU)	Holy Angel University
154	DOST-Business incubation zone for Novel and Sustainable Enterprises (BizNEST) in Cagayan State University	Cagayan State University
TBI 4.0 Program		
155	Technology Business Incubator 4.0 for Region 4	Batangas State University
156	DOST-S.I.B.O.L. Labs: Startup Innovation and Business Opportunity Linkage Labs (A collaboration between UC Berkeley Sutardja Center for Entrepreneurship and Technology and UP Los Banos Technology Transfer and Business Development Office)	UP Los Baños
Upgrading the PNS for Virgin Coconut Oil (VCO) and the Philippine VCO Industry		
157	Project 1. Physico-chemical Factors which Affect the Quality of VCO	Ateneo de Manila University
158	Project 2. Investigation of the Microbiological Factors which Affect the Quality of VCO	Ateneo de Manila University
159	Project 3. Investigation of Factors Affecting the Sensory Properties and Acceptability of VCO	Ateneo de Manila University
160	Project 4. Assessment of VCO Production: GMP and HACCP	Ateneo de Manila University
161	Project 5. Water Activity and Percent Moisture: Effect on VCO Stability	Ateneo de Manila University
162	[Philippines] Catchment susceptibility to hydrometeorological events: sediment flux and geomorphic change as drivers of flood risk in the Philippines	UP Diliman
163	Assessing the Contribution of Food Banking Systems in Addressing Food Security	Rise Against Hunger Philippines
164	Establishing an Environment-Friendly Chromium Plating Process using New Generation Ionic Liquids	UP Diliman
165	Printed Electronic Devices for the New Normal: Temperature Sensor Patch, Electrochemical Sensor Array Patch for Face Masks and Air Circulators, and Antiviral Nanotech for Air Circulator Filters	Ateneo de Manila University
166	Testing, Calibration, and Fabrication of NeuronVent System	Neuronmek Corp.
167	Nanocellulose Self-Disinfecting (NACS) Filter: R & D Validation of an Innovative Low-Cost Nanotech-based Face Masks	Caraga State University

	Project Title	Implementing Agency
168	Pilot-Testing And Deployment of A Post Community Quarantine (CQ) Health Monitoring and Contact-Tracing Online System for The IT-BPM Sector	DOST Region VI
169	Scoping Study and Survey to Identify Key Environmental Problems of Industries in Valenzuela City	Polytechnic University of the Philippines
170	Advanced Satellite Development and Know-How Transfer for the Philippines	Advance Science Technology Institute
171	Non-Intrusive Sensor-based Prescriptive Maintenance Platform for Wire Manufacturing Factory	Ateneo de Manila University
172	Support to the Commercialization of 500 DOST Generated Technologies and Strengthening the Country's Intellectual Property and Technology Portfolios (Phase 3)	Technology Application and Promotion Institute
173	Application of Radiation Techniques in the Geochemical Characterization of Cobalt and other Valuable Metals in the Selected Metallic Deposits	Philippine Nuclear Research Institute
174	Design and Development of a Mechanical Garlic and Cashew Chipper	Holy Angel University
	Comprehensive Evaluation of Critical Infrastructures and Construction Raw Materials in the Philippines using Concrete Petrography Program	
175	Project 1. Concrete Petrography as a Quality Assessment Tool of Hardened Concrete from Lifeline Structures in the Philippines	UP Diliman
176	Strengthening of Industry Strategic Science and Technology Plan (ISP) Information System for Improved R&D Management	Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development
	DOST-JSPS	
177	Radiation damage investigations on functional materials: Material development, analysis, and informatics	UP Diliman
178	Specific Earthquake Ground-Motion Levels to Help Increase the Seismic Resiliency of Government Infrastructures, Residential and Medium-to-High Rise Buildings in Pangasinan, Tarlac, Metro Iloilo-Guimaras, Cauayan City, Butuan City and Mati City	Philippine Institute of Volcanology and Seismology
179	Characterization and Resource Estimation of Valuable Rare Earth Elements (REEs) and Natural Radionuclides in the Philippine Coal and Feldspar Deposits	Philippine Nuclear Research Institute
180	Development of Emulsified Meat Products (Sausage, Nuggets, and Burgers)	Industrial Technology Development Institute
181	Technology Innovations for Mathematical Reasoning, Statistical Thinking and Assessment	Ateneo de Manila University
182	Center for Astronomy Research and Development: Astronomical Near-Earth Observation Light Pollution (ANEO-LiPo) Program	Rizal Technological University
183	Enhancement and Market Validation of Plasma Enhanced Chemical Vapor Deposition industrial Prototype for Nitride-Based Coatings	UP Diliman

	Project Title	Implementing Agency
184	Development of Chicken Egg White Powder and Granules from Low Value Edible Shell Eggs	UP Diliman
185	Geospatial Information Management & Analysis Project for Hazards & Risk Assessment in the Philippines (GeoriskPH)	Philippine Institute of Volcanology and Seismology
186	From Pest to a Valued Commodity: Black-Chin Tilapia (Sarotherodon melanotheron) for the Development of Surimi-Based Products Processing	Bataan Peninsula State University
	Severe Wind Hazard and Risk Assessment for Cebu City	
187	Exposure Data Development and Severe Wind Risk Assessment for Cebu City	Philippine Atmospheric, Geophysical and Astronomical Services Administration
188	Severe Wind Hazard Mapping for the Philippines and Cebu City	Philippine Atmospheric, Geophysical and Astronomical Services Administration
189	Enhanced Severe Wind Vulnerability Curves of Key Building Types in the Philippines	UP Diliman
	INTELECT: Intelligent Electric Transportation Network	
190	Project 3. E-trike Deployment and Utilization Study	Cagayan State University
	Fishery by-products Processing for Application in Food	
191	Project 1. Collagen and Gelatin from By-products of Fish Processing Industry	Central Luzon State University
192	Value-Added Product from Fruit Processing Wastes: Acetic Acid for Potential Industrial Application	UP Mindanao
193	Environmental, Health and Safety Research in the Risk Assessment of Nanomaterials (Phase 1)	Industrial and Technology Development Institute
194	Development of Regional Halal Native Delicacies	Mindanao Autonomous College, Foundation Inc.
195	Establishment of Halal Assurance System for Muslim Delicacies and Processing Techniques	Sultan Kudarat State University
196	Establishment of Halal Assurance System for Processing Selected Banana Products (Banana Chips, Banana Catsup, and Frozen "Saba" Banana)	Industrial Technology Development Institute
197	Development of Grading System for Adoption of Food Establishments in the Philippines	Food and Nutrition Research Institute
198	Prevalence of Mycotoxin in Rice and Corn in the Philippines	Food Development Center
199	Establishment of a niche center on environmental informatics in Central Visayas	UP Cebu
200	Providing High Resolution (5km) Climate Change Projections in the Philippines using Weather Research and Forecasting (WRF)	Philippine Atmospheric, Geophysical and Astronomical Services Administration
201	Enhancing Operational Capability of Palawan International Technology Business Incubator (PITBI)	Palawan State University
202	Development of Titanium Dioxide Films and its Derivatives for Semiconductor Mediated Photocatalytic Treatment of Water	UP Diliman
203	Utilization of Spent Tea Leaves and Tobacco Dust as Additives for Plywood Adhesive	Forest Products Research and Development Institute

	Project Title	Implementing Agency
	3R Approach to Sustainable Management of Nickel Laterite Ore Tailings: Reuse, Recycling and Reprocessing for Environmental Remediation and Material Valorization	
204	Project 1. Utilization of Nickel Laterite Ore rock (low grade) for various applications: Acid Mine Drainage treatment and Carbon Sequestration	De La Salle University
	Smart Plant Production in Controlled Environments	
205	Project 1. Standalone Urban Farm	UP Diliman
206	Project 2. Sensor-based Monitoring and Analytics for Smart Hydroponics (SMASH)	UP Diliman
207	Project 3. Establishment of Soilless Culture Technology for Urban Food Production	UP Diliman
208	Project 4. Ex-Situ Conservation through Micropropagation and Cryopreservation of Native Plant Species	UP Diliman
	Processing of Bio-based Polyols and Polyurethanes for Industrial Application	
209	Project 1. Production of Bio-based Polyols from Lignocellulosic Biomass	Mindanao State University - Iligan Institute of Technology
210	Project 2. Development of Polyurethane-based Packing Materials and Anti-corrosive Coatings from Vegetable Oil	Mindanao State University - Iligan Institute of Technology
	Analyzing CORDEX-SEA Regional Climate Simulations for Improved Climate Information over the Philippines: SST Influence, Variability and Extremes, Tropical Cyclone Activity	
211	Detecting Tropical Cyclones in a Downscaled Regional Climate Model for CORDEX-SEA	Ateneo De Manila University
212	Multitemporal and Extremes Analysis of Modeled Climatology over the Philippines in the SEA Cordex Domain	Ateneo De Manila University
213	Analysis of the influence of sea surface temperature representation in downscaled regional climate using the SEACLID/CORDEX-Southeast Asia simulation	Ateneo De Manila University
214	Polyhydroxyalkanoate (PHA) Production from Agricultural Wastes	National Institute of Molecular Biology and Biotechnology