

Number of Projects Monitored / Assisted
(January - December 2020)

	Program Title	Project Title	Status of Implementation as of Dec 2020	Implementing Agency	Beneficiaries
1		ADMATEL Expansion Towards Long Term Competitiveness and Sustainability (ADEX)	Completed	Industrial Technology Development Institute (ITDI)	<ul style="list-style-type: none"> • Semiconductor & electronics • Automotive • Aerospace • Plastics • Other manufacturing industries • Oil and gas • Academe/Universities • Other government agencies
2	DOST-JSPS:	Development of Novel Materials as Emitters and Detectors for (Sub)-Terahertz Time-Domain Spectroscopy Carrier Dynamic Studies	Completed	UP Los Baños	Young Filipino Researchers
3		Fabrication of Metal Oxide Thin Films for Optical Coatings with Plasma Assisted Deposition Using a Plasma Enhanced Chemical Vapor Deposition (PECVD) System	Ongoing	UP Diliman	<ul style="list-style-type: none"> • Students of Ateneo de Manila University • Interested parties in the industrial sector, primarily the sector engaged in optical materials such as lenses and optical filters
4	Smart Plant Production in Controlled Environments (SPICE)	Project 1. Standalone Urban Farm	Ongoing	UP Diliman	<ul style="list-style-type: none"> • Students, academicians, businessmen, policy-makers, farmers • Urban developers, investors • Local Government Units (LGU), Non-Government Organizations (NGO) • Consumers of vegetables and fruits
5	Smart Plant Production in Controlled Environments (SPICE)	Project 2. Sensor-based Monitoring and Analytics for Smart Hydroponics (SMASH)	Ongoing	UP Diliman	
6	Smart Plant Production in Controlled Environments (SPICE)	Project 3. Establishment of Soilless Culture Technology for Urban Food Production	Ongoing	UP Diliman	
7	Smart Plant Production in Controlled Environments (SPICE)	Project 4. Ex-Situ Conservation through Micropropagation Cryopreservation of Native Plant Species	Ongoing	UP Diliman	
8		Generalized Automated Microfluidics and Micro-actuator Assembly (GAMMA)	Completed	UP Diliman	<ul style="list-style-type: none"> • Chemical industry • Pharmaceuticals
9		Electrochemical and Quantum Mechanical Investigation of Various Small Molecule Organic Compounds as Corrosion Inhibitors in Mild Steel	Ongoing	De La Salle University	<ul style="list-style-type: none"> • Industry • Society and Environment • Undergraduate/Research students

10		Fabrication of Highly C-axis Oriented YBCO Superconducting Thin Films by Sedimentation Deposition	Completed	UP Diliman	<ul style="list-style-type: none"> • Power generation and distribution sector • Electronics and communication sector • Academic/Manpower Development
11		Self-Healing Materials Based on Cyclodextrin and Ferrocene Self-Assembly towards Formulation of Coatings	Completed	Ateneo De Manila University	<ul style="list-style-type: none"> • Paint Manufacturing Industry (PAPM) • Chemical manufacturing and allied industries (i.e., Chemrez Technologies, Inc.) • R&D research community
12		Establishing an Environment-Friendly Chromium Plating Process Using Generation Ionic Liquids	Ongoing	UP Diliman	<ul style="list-style-type: none"> • Academe (Science and Engineering (materials and metallurgical) • Courses in engineering schools • UP, Ateneo, Mapua, and Iligan Institute of Technology) • Government Research Institutions (i.e. MIRDC) • Plating Industries in the Philippines
13		Original Content Development Project	Completed	Toon City Academy	Philippines' animation community
14		Bomb Removal Automated Vehicle (BRAVE)	Ongoing	De La Salle University	<ul style="list-style-type: none"> • Philippine National Police (PNP) • Armed Forces of the Philippines (AFP) • Local Government Units (LGU) • Institutions, Communities, and General public
15	EPDC as Platform for Innovation and Collaboration (EPIC)	Project 1. Electronics Product Development Center Upgrade and Operation	Ongoing	Advanced Science and Technology Institute (ASTI)	<ul style="list-style-type: none"> • Electronics companies and other members of the supply chain • Academic and other training institutions • Engineering associations • Government institutions • Venture capitalists, SMEs • Original Equipment Manufacturers (OEMs), Original Design Manufacturers (ODMs), Resellers • Independent designers
16	EPDC as Platform for Innovation and Collaboration (EPIC)	Project 2. Electronics Product Inclusive Innovation Center (EPIIC)	Ongoing	Advanced Science and Technology Institute (ASTI)	<ul style="list-style-type: none"> • Electronics companies and other members of the supply chain • Higher Education institutions (HEIs) • Venture capitalists, Small and Medium Enterprises (SMEs), and Inventors
17	μ C-IC: Design of Microcontroller Integrated with Energy Harvesting and Power Management	Project 1. Development of Microprocessor for Wireless Sensor Network Application	Completed	Mindanao State University-Iligan Institute of Technology	<ul style="list-style-type: none"> • Post graduate ERDT scholars and other academic and research institutions • Local semiconductor and electronics integrated circuit design industry

18	µC-IC: Design of Microcontroller Integrated with Energy Harvesting and Power Management	Project 2. Power Management Unit using Low Drop-out Regulator and Switched Capacitor DC-DC Converters	Completed	Mindanao State University-Iligan Institute of Technology	<ul style="list-style-type: none"> • Masteral Engineering Research and Development for Technology (ERDT) scholars and other academic and research institutions • Local semiconductor and electronics integrated circuit (IC) design industry
19	µC-IC: Design of Microcontroller Integrated with Energy Harvesting and Power Management	Project 3. Design of Indoor Light Energy Harvesting for Wireless Sensor Network Applications	Completed	Mindanao State University-Iligan Institute of Technology	<ul style="list-style-type: none"> • Masteral Engineering Research and Development for Technology (ERDT) scholars and other academic and research institutions • Local semiconductor and electronics integrated circuit (IC) design industry
20		Environmental, Health and Safety Research in the Risk Assessment of Nanomaterials (Phase 1)	Ongoing	Industrial Technology Development Institute (ITDI)	Manufacturers and end-users of nanotechnology based materials and products
21	NovaSAR Imaging Capacity Share Programme	Synthetic Aperture Radar (SAR) and Automatic Identification System (AIS) for Innovative Terrestrial Monitoring and Maritime Surveillance	Ongoing	Advanced Science and Technology Institute (ASTI)	<ul style="list-style-type: none"> • Office of the President • Department of Science and Technology (DOST) • Department of Environment and Natural Resources (DENR) • Department of Agriculture (DA)
22	NICER Program	Establishment of Niche Center on Environmental Informatics for Central Visayas	Ongoing	UP Cebu	<ul style="list-style-type: none"> • Department of Agriculture (DA) • Department of Environment and Natural Resources (DENR) • Mango entrepreneurs • Regional Development Council 7 • Central Visayas Local Government Units • ICT Sector • Academe
23		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	Completed	Mapua University	<ul style="list-style-type: none"> • Local Government Units (LGU) • Citizens
24		Geospatial Assessment and Modelling of Urban Heat Islands in Philippine Cities (GUHeat)	Completed	UP Diliman	<ul style="list-style-type: none"> • Metro Manila cities • Cities adjacent to and near Metro Manila • Cagayan de Oro City • Zamboanga City • Metro Cebu • Davao City • Bacolod City • Baguio City

25	Sustained Support for Local Space Technology & Applications Mastery, Innovation and Advancement (STAMINA4Space)	Project 1. Optical Payload Technology In-depth Knowledge Acquisition and Localization (OPTIKAL)	Ongoing	UP Diliman	<ul style="list-style-type: none"> Engineers/ Scientists/ Researchers of space systems, engineering and technology Aeronautics, aerospace and other related industry sectors Universities, space educators, and science and technology community
26	Sustained Support for Local Space Technology & Applications Mastery, Innovation and Advancement (STAMINA4Space)	Project 2. Building PHL-50: Localizing the Diwata-1 and Diwata-2 Bus Systems as the Country's Space Heritage 50-kg Microsatellite Bus (LoKAL)	Ongoing	UP Diliman	<ul style="list-style-type: none"> Engineers/ Scientists/ Researchers of space systems, engineering and technology Aeronautics, aerospace and other related industry sectors Universities, space educators, and science and technology community
27	Sustained Support for Local Space Technology & Applications Mastery, Innovation and Advancement (STAMINA4Space)	Project 3. Space Science and Technology Proliferation through University Partnerships (STEP-UP)	Ongoing	UP Diliman	<ul style="list-style-type: none"> Amateur Radio Community Secondary and tertiary educational institutions and science and technology community Engineers/ Scientists/ Researchers of space systems, engineering and technology Aeronautics, aerospace and other related industry sectors
28	Sustained Support for Local Space Technology & Applications Mastery, Innovation and Advancement (STAMINA4Space)	Project 4. Ground Receiving Archiving, Science Product Development and Distribution (GRASPED)	Ongoing	Advanced Science and Technology Institute (ASTI)	<ul style="list-style-type: none"> Government agencies Researcher Institutions Academe General public
29	NICER Program	Center for Astronomy Research and Development: ASTRONOMICAL NEAR EARTH OBSERVATION LIGHT POLLUTION (ANEO-LiPo)	Ongoing	Rizal Technological University	<ul style="list-style-type: none"> Local Government Units (LGUs) Businessmen and households Researchers, School and students Students and the community Entrepreneurs
30	Comprehensive Evaluation of Critical Infrastructures and Construction Raw Materials in the Philippines Using Concrete Petrography	Project 1. Concrete Petrography as a Quality Assessment Tool of Hardened Concrete From Lifeline Structures in the Philippines	Ongoing	UP Diliman	<ul style="list-style-type: none"> Members of the construction sector Government agencies, such as DPWH and COA Local Government Units (LGUs) General Populace Academic Institutions
31	Comprehensive Evaluation of Critical Infrastructures and Construction Raw Materials in the Philippines Using Concrete Petrography	Project 2. Geological, Chemical and Physical Evaluation of Concrete Raw Materials Used in Critical Philippine Infrastructures	Ongoing	UP Diliman	<ul style="list-style-type: none"> Government agencies such as DPWH, COA, NEDA, DOTr Local Government Units (LGUs) Construction Industry Aggregate quarry operators and mineral / chemical admixture suppliers Academic Institutions

32		Rubbers and Waste Plastics as Reinforcement Additives for Asphalt Binder-based Pavement Infrastructures	Ongoing	UP Diliman	<ul style="list-style-type: none"> • Rubber farmer • Rubberized Asphalt Technical Working Committee • DPWH-BRS • PLGU-North Cotabato • Sunshine Rubber Resources, Co
33		Investigation and numerical modeling of Philippine tsunamis based on historical, geomorphological and geological evidence of past earthquakes	Ongoing	UP Diliman	<ul style="list-style-type: none"> • Local Government Units (LGUs) • Research Institutes • Armed Forces of the Philippine (AFP) • Philippine Coast Guard (PCG) • National Mapping and Resource Information Authority (NAMRIA) • Mines and Geosciences Bureau (MGB)
34		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	Ongoing	Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)	<ul style="list-style-type: none"> • Flood-prone communities • Hydrometeorologists, climatologists, and other researchers • Farmers • Private industry • Local Government Units • Other concerned Government Agencies
35	Analyzing CORDEX - SEA Regional Climate Simulations for Improved Climate Information over the Philippines: SST Influence, Variability and Extremes, Tropical Cyclone Activity	Project 1. Analysis of the Influence of Sea Surface Temperature Representation in Downscaled Regional Climate Using the SEACLID/CORDEX – Southeast Asia Simulations	Ongoing	Manila Observatory	Scientists and practitioners that need to understand the ability of regional climate models
36	Analyzing CORDEX - SEA Regional Climate Simulations for Improved Climate Information over the Philippines: SST Influence, Variability and Extremes, Tropical Cyclone Activity	Project 2. Multi-temporal and Extremes Analysis of Modeled Climatology over the Philippines in the SEA CORDEX Domain	Ongoing	Manila Observatory	<ul style="list-style-type: none"> • Scientists • Researchers • Academics • Stakeholders that need information on climate variability
37	Analyzing CORDEX - SEA Regional Climate Simulations for Improved Climate Information over the Philippines: SST Influence, Variability and Extremes, Tropical Cyclone Activity	Project 3. Detecting Tropical Cyclones in a Downscaled Regional Climate Model for CORDEX – SEA	Ongoing	Manila Observatory	<ul style="list-style-type: none"> • Scientists • Researchers • Academics • Stakeholders
38		Liquefaction Hazard Assessment for Resilient Schools in GMMA: A Liquefaction Probabilistic Model using Non-Invasive Geophysical Techniques and Limited Probe Hole	Ongoing	Philippine Institute of Volcanology and Seismology (PHIVOLCS)	DepEd school buildings within the liquefaction susceptible areas identified as coastal municipalities in Metro Manila, Bulacan, and Cavite

39	PH UK Newton Agham Joint Cooperation Program on Understanding the Impacts of Hydrometeorological Hazards in South East Asia	Philippines - Quantitative Lahar Impact and Loss Assessment under changing Land Use and Climate Scenarios	Ongoing	Philippine Institute of Volcanology and Seismology (PHIVOLCS)	Department of Science and Technology - Philippine Institute of Volcanology and Seismology (DOST - PHIVOLCS)
40	PH UK Newton Agham Joint Cooperation Program on Understanding the Impacts of Hydrometeorological Hazards in South East Asia	Catchment Susceptibility to Hydrometeorological Events: Sediment Flux and Geomorphic Change as Drivers of Flood Risk in the Philippines	Ongoing	UP Diliman	<ul style="list-style-type: none"> • Department of Environment and Natural Resources - Mines and Geosciences Bureau (DENR - MGB) • Department of Public Works and Highways (DPWH) • City of Iloilo
41	PH UK Newton Agham Joint Cooperation Program on Understanding the Impacts of Hydrometeorological Hazards in South East Asia	Philippines Groundwater Outlook (PhiGO)	Ongoing	Ateneo De Manila University	<ul style="list-style-type: none"> • Filipino water industries • Government agencies • Local Government Units (LGUs)
42	PH UK Newton Agham Joint Cooperation Program on Understanding the Impacts of Hydrometeorological Hazards in South East Asia	SCaRP: Simulating Cascading Rainfall-triggered Landslide Hazards in the Philippines	Ongoing	Mapua University	<ul style="list-style-type: none"> • Department of Science and Technology - Philippine Atmospheric, Geophysical, and Astronomical Services Administration (DOST – PAGASA) • National Water Resources Board (NWRB) • Mines and Geosciences Bureau (MGB) • Weather Philippines Foundation (WPF) • General Public
43		Providing High Resolution 5km Climate Change Projections in the Philippines Using Weather Research and Forecasting (WRF) Model	Ongoing	Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)	Department of Agriculture, Department of Environment and Natural Resources, Agriculture and aquaculture entrepreneurs, Regional Development Council 7, Central Visayas Local Government Units, ICT Sector, Academe
44		Fire Check: Urban Fire Hazard Mapping and Fire Spread Modeling	Completed	UP Cebu	Department of Agriculture, Department of Environment and Natural Resources, Agriculture and aquaculture entrepreneurs, Regional Development Council 7, Central Visayas Local Government Units, ICT Sector, Academe
45	Severe Wind Hazard and Risk Assessment for Cebu City	Severe Wind Hazard Mapping for the Philippines and Cebu City	Ongoing	Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)	Researchers, Emergency Managers, Planners, stakeholders and general public
46	Severe Wind Hazard and Risk Assessment for Cebu City	Enhanced Vulnerability Curves for Different Building Types in the Philippines	Ongoing	UP Diliman	Department of Agriculture, Department of Environment and Natural Resources, Agriculture and aquaculture entrepreneurs, Regional Development Council 7, Central Visayas Local Government Units, ICT Sector, Academe

47	Severe Wind Hazard and Risk Assessment for Cebu City	Exposure Data Development and Severe Wind Risk Assessment for Cebu City	Completed	Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)	Researchers, Emergency Managers, Planners, stakeholders and general public
48		Understanding Lightning and Thunderstorms for Extreme Weather Monitoring and Information Sharing (ULAT)	Ongoing	Advanced Science and Technology Institute (ASTI)	PAGASA, UPD-EEI, UPD-IESM, UPD-NIGS, Communities affected by disasters, Hydrometeorologists, climatologists and other researchers, Farmers, Private industry, Local Government Units, Other concerned government agencies
49		Weather and Climate Science for Service Partnership for South East Asia: Building a Safer Community to Weather and Climate Variability through Science and Innovation	Ongoing	Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)	Researchers, Emergency Managers, Planners, stakeholders
50	Geospatial Information Management & Analysis Program (GIMAP)	Geospatial Information Management & Analysis Project for Hazards & Risk Assessment in the Philippines (Georisk PH)	Ongoing	Philippine Institute of Volcanology and Seismology (PHIVOLCS)	Researchers, Emergency Managers, Planners, stakeholders
51		Micro-grid Solar PV System	Completed	Ateneo De Davao University	Farmer-members of Aguila Farmers Association, LMK Community Development Association and LGU-Sitio Upián (all of whom are residents of Marilog District of Davao City)
52		Establishing a 25-kW Waste-to-Energy Facility Using a Direct Combustion Process for Municipal Solid Waste: A Technical, Economic and Environmental Studies	Ongoing	UP Los Baños	Policy makers, government institutions, law makers, and energy sector in the Philippines
53		Development of a hybrid trimaran fast craft passenger cargo vessel using multi engine and alternative energy source from ocean waves	Completed	Aklan State University	Maritime Industry including investors and shipbuilders, Transportation sector, Environmental sector, The University
54	Intellect: Intelligent Electric Transportation Network	Project 1. AdVICE: Ad-hoc Vehicle-Infrastructure Cooperative Environment	Ongoing	UP Diliman	UP Administration and the Business Sectors located in metropolitan business areas
55	Intellect: Intelligent Electric Transportation Network	Project 2. EmoCION: Electric Mobility and Charging Infrastructure Operating as a Network	Ongoing	UP Diliman	University campuses, government complexes, science and technology parks, tourist spots, protected areas and emerging urban centers
56	Intellect: Intelligent Electric Transportation Network	Project 3. E-trike Deployment and Utilization Study	Completed	Cagayan State University	Commuters/employees working within the government center and clients who are transacting business with all the offices in the government center. Researchers on energy, transport, information technology, engineering and students.

57		Titan: Vision - Based Traffic Information & Analysis	Completed	De La Salle University	DENR EMS, the Manila Observatory, other institutions engaged in the study of AQ management and Traffic Management, health officials, MMDA and LGUs.
58		Sustainable Wastewater Treatment Systems with Nutrient (SWAN) Recovery	Completed	De La Salle University	Department of Environment and Natural Resources (DENR), Department of Science and Technology (DOST), Wastewater Utility Agencies
59	MECO-TECO	Development of Titanium Dioxide Films and its Derivatives for Semiconductor Mediated Photocatalytic Treatment of Water	Completed	UP Diliman	Masteral ERDT scholars and other academic and research institutions, as well as local geodetic engineers and LGUs
60	MECO-TECO	Electromagnetic Radar Technique For Water Detection	Completed	Mindanao State University-Iligan Institute of Technology	Masteral ERDT scholars and other academic and research institutions, as well as local geodetic engineers and LGUs.
61	CRADLE	Post-Treatment of Food Processing Wastewater Effluent for Nutrient Removal	Completed	Industrial Technology Development Institute (ITDI)	CENMACO, Inc., Food Processing Industries, Stakeholders of Pasig River
62		The Use of Radon Technique in the Mapping of Geological Faults in the Philippines	Completed	Philippine Nuclear Research Institute (PNRI)	Both government and private planners and developers, academe and various government agencies like the PHIVOLCS, MGB, NDRRMC, provincial and LGU's involved in landuse planning, land development, disaster preparedness and risk reduction management that may arise from earthquakes and other related geological phenomena.
63	WATsUP	Enhancing the Applicability of Vertical Helophyte Filter Systems for Small Communities, Local Msmes and Public Entity	Completed	DOST Region XI	Bankerohan Livestock Multipurpose Cooperative 8, National Meat Inspection Service, Poultry, 4 Local MSMEs and/or small communities
65	Integrated Food Safety Program	Exposure Assessment of Food Chemical Contamination in Metro Manila: A Pilot Total Diet Study Approach	Ongoing	Food and Nutrition Research Institute (FNRI)	general population, food and agricultural industries, local and international food traders, risk assessors, risk managers, risk communicators
66	Food Manufacturing: Establishment of Halal Assurance Systems for Food	Establishment of Halal Assurance System for Processing Selected Banana Products (Banana Chips, Banana Catsup, and Frozen "Saba" Banana)	Ongoing	Industrial Technology Development Institute (ITDI)	Food Manufacturers/Processors Halal Food Consumers Halal Food trade organizations/association and academic Institution
67	Food Manufacturing: Establishment of Halal Assurance Systems for Food	Development of Regional Halal Native Delicacies	Ongoing	Mindanao Autonomous College Foundation, Inc. (MACFI)	Local food processors, producers and enterprises in Maguindanao, Lanao del Sur, Basilan, Sulu and Tawi-tawi engaged in producing and selling native delicacies are the end users of the project output.

68	DOST Integrated S&T Halal Program	Establishment of Halal Assurance System for Production, Method Development and Standardization of Cosmetics and Toiletries	Completed	Industrial Technology Development Institute (ITDI)	Philippine Halal Cosmetic Industries, Philippine Muslim Communities, Policy Makers
69	DOST Integrated S&T Halal Program	Operationalization of Halal Verification Laboratories (HVLs) of DOST Regions CALABARZON, 11, 12, and ARMM in Support to Halal Assurance Systems	Ongoing	DOST Region IV-A	Halal industry (local and export), researchers, and students
70	Food Manufacturing: Establishment of Halal Assurance Systems for Food	Development of Emulsified Meat Products (Sausage, Nuggets, and Burgers)	Ongoing	Industrial Technology Development Institute (ITDI)	Poultry Industry Halal Food Service Industry Halal Food Manufacturing Industry Halal Food Consumers
71	Integrated Food Safety Program	Prevalence of Mycotoxin in Rice and Corn in the Philippines	Ongoing	Food Development Center - National Food Authority	NFA and other concerned agencies such as Food and Nutrition Research Institute (FNRI), local farmers, researchers from the academe, private sector and/or other government agencies
72	Integrated Food Safety Program	Prevalence of Heavy Metals and Pesticide Residues in Milled Rice and White Corn Grits in the Philippines	Ongoing	Food Development Center - National Food Authority	NFA and other concerned agencies such as Food and Nutrition Research Institute (FNRI), local farmers, researchers from the academe, private sector and/or other government agencies
73		Polyhydroxyalkanoate (PHA) Production from Agricultural Wastes	Ongoing	UP Los Baños	Environment, Philippine Market, Academe
74	Integrated Food Safety Program	Development of Food Safety Guidelines for the Food Service Sectors	Ongoing	Food and Nutrition Research Institute (FNRI)	NFA and other concerned agencies such as Food and Nutrition Research Institute (FNRI), local farmers, researchers from the academe, private sector and/or other government agencies
75	Integrated Food Safety Program	Development of Grading System for Adoption of Food Establishments in the Philippines	Ongoing	Food and Nutrition Research Institute (FNRI)	NFA and other concerned agencies such as Food and Nutrition Research Institute (FNRI), local farmers, researchers from the academe, private sector and/or other government agencies
76	Integrated Food Safety Program	Risk Profiling of Hazards in Philippine Food to Support National Risk Management	Ongoing	UP Diliman	NFA and other concerned agencies such as Food and Nutrition Research Institute (FNRI), local farmers, researchers from the academe, private sector and/or other government agencies
77		Assessing the Contribution of Food Banking Systems in Addressing Food Security	Ongoing	Rise Against Hunger, Philippines Inc.	Pregnant and lactating mothers (paying specific attention to adolescent girls), Children from six months up to 7 years old
78		Pilot Scale Production of Spray - Dried Dextran and High Fructose Syrup using Whole Cell (<i>Leuconostoc mesenteroids</i>) ITDI Fermentation Technology	Completed	Industrial Technology Development Institute (ITDI)	Coconut processors/Food Industry

79	CRADLE 2018	Development of Chicken Egg White Powder and Granules from Low Value Edible Shell Eggs	Ongoing	UP Diliman	Batangas Egg Producers Cooperative, Egg Industry and Filipino Consumers
80	Fishery By-product Processing for Food Application: Towards Commercialization	Project 1. Collagen and Gelatin from By-products of Fish Processing Industry	Ongoing	Central Luzon State University	Fish processors of Milkfish, tilapia, sardines and mackerel and others, Students (Ph.D. Aquaculture and MS Environmental Management, BS Fisheries in the Fish Biochemistry and Fish Processing subject, BS Chemistry in their subject in Biochemistry, BS Food Technology in their Food Processing Subjects), Researchers, Businessmen/entrepreneur/manufacturers of collagen, gelatin, fish oil, fish hydrolysates, proteases using these by-products from the fish processing industry as raw materials
81	Fishery By-product Processing for Food Application: Towards Commercialization	Project 2. Fish Oil, Proteases and Protein Hydrolysate from By-products of Fish Processing	Ongoing	Central Luzon State University	Fish processors of Milkfish, tilapia, sardines and mackerel and others, Students (Ph.D. Aquaculture and MS Environmental Management, BS Fisheries in the Fish Biochemistry and Fish Processing subject, BS Chemistry in their subject in Biochemistry, BS Food Technology in their Food Processing Subjects), Researchers, Businessmen/entrepreneur/manufacturers of collagen, gelatin, fish oil, fish hydrolysates, proteases using these by-products from the fish processing industry as raw materials
82		Development of Chitosan Film from Sardine Fish Scales	Terminated	Western Mindanao State University	Sardine canning industry Tuna processors and manufacturers At least 5 BS Physics/Chemistry students
83		Strengthening of DOST Regional Metrology Laboratory Services - Phase II	Ongoing	DOST Region III	hospitals, rural health units, doctor's clinics, medical laboratories, drugstores and other health service providers, the general public, small and medium enterprises (MSMEs), and other industrial firm
84	Natural Dyes and Colorants R&D Program	Project 2. Development of Natural Colorants for Cosmetics	Completed	Philippine Textile Research Institute (PTRI)	Sardine canning industry Tuna processors and manufacturers
85	3R Approach to Sustainable Management of Nickel Laterite Ore Mining	Project 1. Utilization of Nickel Laterite Ore rock (low grade) for various applications: Acid Mine Drainage treatment and Carbon Sequestration	Completed	De La Salle University	Producers of gumamela, dragonfruit, indigo, ube, turmeric and coffee, Personal Care Industry

86		Pilot Scale Production of Nickel Pig Iron from Low Grade Laterite Ores	Ongoing	Mines and Geosciences Bureau (MGB)	> Mineral sector/mining public. > Companies involved in direct shipping Laterite Ores arrangement > Foundries
87		Establishment of the PTRI "Perfect Fit" Textile Product Development Center	Ongoing	Philippine Textile Research Institute (PTRI)	Philippine textile and garment industry
88		Establishment of Regional Yarn Production and Innovation Center	Completed	Philippine Textile Research Institute (PTRI)	MSME's involved in handloom weaving, garment manufacturers who are engaged into the utilization of natural materials available in the Philippines
89		Utilization of Spent Tea Leaves and Tobacco Dusts as Additives for Plywood Adhesives	Completed	Forest Products Research and Development Institute (FPRDI)	Tea-flavored drink producers/generators of spent tea leaves, Tobacco farmers generating tobacco stalks as waste, National Tobacco Administration, Resin/adhesives manufacturer, Plywood industry and allied industry (furniture & handicraft utilizing plywood as raw materials), General public
90	Enhancement of the Competence and Capability of the National Metrology Laboratory of the Philippines Metrology	Project 1. Chemical Metrology for Organic Contaminants in Foods and Water	Ongoing	Industrial Technology Development Institute (ITDI)	Calibration Laboratories, R&D Laboratories and Academia, Manufacturers and Producers, Regulatory Bodies, the Consumers and the General Public
91	Enhancement of the Competence and Capability of the National Metrology Laboratory of the Philippines Metrology	Project 2. Chemical Metrology for Inorganic Toxic Elements in Food and Water	Ongoing	Industrial Technology Development Institute (ITDI)	Farmers cultivating spices, prospected spice processors who can build new businesses out of the technology to be developed; and food manufacturing and food service industries that can have flexible inventories from the local supply of spices
92	Enhancement of the Competence and Capability of the National Metrology Laboratory of the Philippines Metrology	Project 3. Biological Metrology for Microorganisms in Food	Ongoing	Industrial Technology Development Institute (ITDI)	Calibration Laboratories, R&D Laboratories and Academia, Manufacturers and Producers, Regulatory Bodies, the Consumers and the General Public
93	Enhancement of the Competence and Capability of the National Metrology Laboratory of the Philippines Metrology	Project 4. Strengthening the Physical Metrology Capabilities of the National Metrology Laboratory	Ongoing	Industrial Technology Development Institute (ITDI)	Calibration Laboratories, R&D Laboratories and Academia, Manufacturers and Producers, Regulatory Bodies, the Consumers and the General Public
94	Upgrading the PNS for Virgin Coconut Oil (VCO) and the Philippine VCO Industry	Project 1. Physico-chemical factors which affect the quality of VCO	Ongoing	Ateneo De Manila University	VCO industry, in particular the SME sector, Coconut farmers, VCO exporters and local traders
95	Upgrading the PNS for Virgin Coconut Oil (VCO) and the Philippine VCO Industry	Project 2. Investigation of the microbiological factors which affect the quality of VCO	Completed	Ateneo De Manila University	VCO industry, in particular the SME sector, Coconut farmers, VCO exporters and local traders
96	Upgrading the PNS for Virgin Coconut Oil (VCO) and the Philippine VCO Industry	Project 4. Assessment of VCO Production: GMP and HACCP	Completed	Ateneo De Manila University	Higher quality Philippine VCO, Recommendations regarding the PNS for VCO, Deeper scientific knowledge on VCO that can be used to improve the quality of VCO and to develop other innovative products.
97	Upgrading the PNS for Virgin Coconut Oil (VCO) and the Philippine VCO Industry	Project 5. Water Activity and Percent Moisture: Effect on VCO Stability	Ongoing	Ateneo De Manila University	VCO industry, in particular the SME sector, Coconut farmers, VCO exporters and local traders

98		Enhancement, Field Validation and Market Readiness Detection of of DNA-based Nanobiosensor for the E. coli, E. coli 0157:H7 and Salmonella enterica in Food, Feed and Farm Produce	Completed	National Institute of Molecular Biology and Biotechnology (NIMBB)	Primary: (most probable adopter) Feed Industry—SO (Animal Feeds Standard Division) Food Industries —46 (Phil. Chamber of Food Manufacturers) Water Service Providers —80 (big water districts) Farming Industry — 100+ Secondary: (needs govt. certification like BFAD) Testing laboratories —49 (DENR Recognized); 185 (PAB Accredited) University Research Centers Government Agencies Tertiary: (needs very strict requirement for certification) Hospitals —39 (Private in Metro Manila)
99	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Establishment of the DOST-Bicol University Technology Business Incubation (DOST-BU TBI) Center for Bicol Region	Ongoing	Bicol University	LGU Legaspi, private sector and MSMEs and the incubatees
100	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Establishment of TBI center for the University of the Cordilleras	Completed	University of the Cordilleras	Students, faculties, alumni, researchers, entrepreneurs, business leaders and inventors
101	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	DOST - Business Incubation Zone for Novel and Sustainable Enterprises (BIZNEST)	Ongoing	Cagayan State University	Students, graduates/alumni, faculty and non-faculty researchers / entrepreneur aspirants are potential incubatees. Community stakeholders such as the individual professionals, entrepreneurs and aspirants and NGOs are welcome to enroll as incubatees while SMEs, cooperatives as well as NGOs as business clients.
102	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Support for the Establishment of TBI in Holy Angel University (HAU)	Ongoing	Holy Angel University	Students, faculties, alumni, researchers, entrepreneurs, business leaders and inventors
103	Funding Assistance for Spin-off and Translation of Research in Advancing Commercialization (FASTRAC) Program	Product Testing and Market Validation of Marine Nanocoat for Anticorrosion, Antirbarnacle, AntiUV, coating for ship vessel applications	Completed	De La Salle University	Sea transport and vessels
104	Funding Assistance for Spin-off and Translation of Research in Advancing Commercialization (FASTRAC) Program	Commercial Development of Production, Application and Full Market Study of Monascus Red Colorant	Completed	UP Los Baños	Food Industry, Feed Industry, Cosmetics Industry
105	Funding Assistance for Spin-off and Translation of Research in Advancing Commercialization (FASTRAC) Program	Open Water Validation and Product Enhancement of Smart Surface	Completed	UP Diliman	Exposition participants, events management organizers, corporate clients in other potential industries

106	IP Management Program for Academic Institutions Commercializing Technologies	Assistance in the Commercialization of DOST Funded Technologies in De La Salle University	Completed	De La Salle University	De La Salle University and the members of its community
107		Enhancing Operational Capability of Palawan International Technology Business Incubator (PITBI)	Completed	Palawan State University	Students and MSMEs in the vicinity of Puerto Princesa City as well as identified schools in MIMAROPA
108		2017-2019 DOST Technology Transfer Day (TTD)	Ongoing	Technology Application Promotion Institute (TAPI)	Private corporations with corporate, social responsibility (CSR) activities, foundations, non-governmental organizations (NGOs), LGUs other government institutions with programs and services that address the needs of marginalized sector of our society
109	TBI 4.0 Program	Elevating the Capacity and Services of TBIs towards 4th Generation Incubator's Facilities	Ongoing	IdeasSpace Foundation Inc. through QBO Innovation Hub	14 TBI's are: OBO, IDEYA MSU-IIT, AIM-Dado Banatao'inibator; innovation Hub Diliman, Batangas State University TBI, GREEN- TBI Western Visayas University, TBI at DLSU-STC, MUST Digital Incubation Hub, UP-Los Banos TBI.,UPLCetiu TBI, DOST-Open TBI, UP Enterprise, DOST iTech TBI at CARAGA, Palawan Interriational T'Chnology Business Incubator
110	TBI 4.0 Program	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)	Completed	UP Los Baños	Startup community in UPLB
111	TBI 4.0 Program	Co-incubation Program between CDO B.i.t.e.s. and Spring Valley	Completed	University of Science and Technology of Southern Philippines	Startup companies incubated at the USTP Digital Incubation Hub — CDO bites.
112	TBI 4.0 Program	Technology Business Incubator 4.0 for Region 4	Ongoing	Batangas State University	Students, faculty members and alumni of Higher Education Institutions in Southern Luzon (Region 4A), Line Agencies, Private agencies and industries
113	TBI 4.0 Program	Upgrading and Capability-Enhancement of Animo Labs TBI	Ongoing	De La Salle University	University (benefits in terms of enhanced reputation, recruitment of faculty and students, research, and grants), the researchers (students and faculty) and alumni of DLSU Manila; and the community of tech management offices that will be recipient of TBI extension programs
114	TBI 4.0 Program	Evolution of UPScale from Local to Global Incubation	Ongoing	UP Diliman	Developed co-incubation program with partner incubators/ accelerators, Signed MOA and TBI partners, Launched new programs for the incubatees/startups

115	TBI 4.0 Program	Mindanao Scale Up Program for DOST-iDEYA-TBI	Completed	Mindanao State University-Iligan Institute of Technology	Technology Business Incubators in Mindanao and Private Accelerators in the country; Mindanao Startup Community
116		Training and Internship Program for Increased Local Bioinformatics Utility and Expertise	Ongoing	Philippine Genome Center	Undergraduate students interested in bioinformatics / computational biology, Bioinformatics trainers/instructors, Institutions looking for bioinformatics expertise
117	Institution Development Program	UP Cebu Cybersecurity Research and Extension Center	Completed	UP Cebu	The Philippine Government, Local communities, Research Institutions, Researchers, UP Cebu
118	Institution Development Program	Establishment of an Additive Manufacturing Research Laboratory	Completed	Bataan Peninsula State University	The Philippine Government, Central Luzon Region, Local communities, Industries/Research Institutions, Researchers
119	Institution Development Program	Acquisition of Laboratory Equipment in Support of the facility for Nanotechnology R&D in Central Luzon State University	Completed	Central Luzon State University	Farmers, Fisherfolks, Students, Faculty and staff researchers Scientists, Other SUCs, Riarcs, Extension workers, Communities, 10 Consumers
120		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	Ongoing	Philippine Institute of Volcanology and Seismology (PHIVOLCS)	Researchers (PHIVOLCS and academe), civil/structural engineers, earthquake disaster planners and local administrators of Pangasinan, Tarlac, Metro Iloilo-Guimaras and Mati City
121	Collaborative Research and Development to Leverage Philippine Economy (CRADLE)	PISOLAR: Payment Innovation for SHS Ownership by Lay Away Routine	Ongoing	University of Southeastern Philippines	The proponents aim to target three unelectrified communities in Davao Region located at some parts of Marilog, Panabo and Sta. Cruz. These communities were also under priority areas of AREC (Affiliated Renewable Energy Center) and LEADTECH, Inc.
122	Establishment of the Philippine Center for Additive Manufacturing (PhilCAM)	Development of Multiple Materials Platform for Additive Manufacturing (MATDEV)	Ongoing	Industrial Technology Development Institute (ITDI)	Manufacturing industry such as automotive, aerospace, agriculture etc., Researchers in the field of materials, design, fabrication and construction, Product developer, Medical Field such as rehabilitation medicine and similar application, New industries that may not be profitable using conventional manufacturing
123	Establishment of the Philippine Center for Additive Manufacturing (PhilCAM)	Research on Advanced Prototyping for Product Innovation and Development using Additive Manufacturing Technologies (RAPPID-ADMATEC)	Ongoing	Metals Industry Research and Development Center (MIRDC)	Department of National Defense, Metals and Engineering Industry Research and Development Institutes, Academe, Agriculture, Healthcare (Medical / Dental)

124		Development of a Philippine Indigenous Instrument Sounds Database	Completed	UP Diliman	Philippine Music Industry, Indigenous people, The Academe
125		Rapid Market Appraisal for Underutilized Fruits (Guava, Soursop, Sugar Apple, and Tamarind) in the Philippines	Ongoing	Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD)	Farmers, fisherfolk, policy makers, agro-entrepreneurs, researchers, traders, private individuals
126		Optimization of Operational Parameters and Characterization of Tailings and Other Ore Bodies in Support to the Gold-Copper Pilot Plant in Compostela Valley	Completed	DOST Region XI	National Level : Small-scale Mining Industry, Regional Level: SSM operators in Compostela Valley, and Academic Institutions, Local Level: SSM Mining Communities and associations in Compostela Valley
127		Image Mapping of Energy Conversion Efficiency and Other Parameters Across Solar Cell Active Areas using Photoexcitation and Photothermal Effects	Ongoing	UP Cebu	Photonics / Materials Science researchers, Optics/Photonics/Semiconductors/Materials Industry
128		PCIEERD NSRI Research Grant	Completed	UP Diliman	PhD researchers/faculty members of the Natural Sciences Research Institute, Institute of Biology, Institute of Chemistry, Institute of Environmental Science and Meteorology, and the Institute of Mathematics of the College of Science, University of the Philippines Diliman including proponents who already have existing projects under NSRI or those who have recently submitted a proposal under the NSRI funding scheme provided they have no accountabilities at NSRI and PCIEERD
129		Field and Market Testing of ILAWA: Renewable Power Generation Using Recycled Anodic Material for Small Fishing/Touring Vessels	Completed	Technological Institute of the Philippines	Small-scale fisher folk, Small-scale touring vessel operators, Local aluminum recycling plants, LGU in lake and coastal areas
130	TECHNICOM	Production Process Optimization and Market Validation of Oyster Powder from Philippine Oyster (<i>Crassostrea irredalei</i>)	Completed	UP Visayas	Food industry (involved in manufacturing ingredients/condiment), Pharmaceutical and Nutraceutical industry
131	CRADLE 2018	Fermentation and Purification Research to Produce Food Grade, Pharmaceutical-Grade, and Polymer Grade Lactic Acid	Completed	UP Mindanao	Food processing industry, pharmaceutical industry, cosmetics industry, medical industry, and the .biopolymer industry, in addition to the farmers and the starch producers

132	TECHNICOM	Prototype Development of Natural Fiber-Thermoplastic Composites from Agricultural and Industrial Wastes for Industrial Applications	Completed	Industrial Technology Development Institute (ITDI)	Agricultural/Crop sectors (agricultural waste fiber for high valued products), Wood processing industry (sawdust waste for high valued products), Plastic industry (processing of natural fiber reinforced thermoplastic composite and manufacture of products), Solid waste management sectors (utilization of recycled plastics and agricultural Waste fiber), Housing and construction industry end user, Furniture fabricators (sawdust waste as end User)
133	Natural Fibers as Nanostructured Scaffolds for Biomedical Applications	Project 1. Nanofibrous Scaffolds from Natural Biomaterials for Tissue Engineering	Completed	Industrial Technology Development Institute (ITDI)	Biomedical Industry, Philippine seaweed Industry, Inorganic natural mineral Industry
134	DOST-JSPS	Radiation damage investigations on functional materials: Material development, analysis, and informatics	Ongoing	UP Diliman	Local energy industry, Local hybrid/electric car industry, Local electronic industry, Academe, particularly undergraduate and graduate students in the field of Materials Engineering, Energy Engineering, and other related fields
135	Bamboo Musical Instruments Innovation Research and Development Program	Project 1. Documentation of Philippine Indigenous Bamboo Musical Instruments	Ongoing	Forest Products Research and Development Institute (FPRDI)	Academe, Philippine IP groups, Bamboo musical instruments industry
136	Bamboo Musical Instruments Innovation Research and Development Program	Project 2. Development of Protective Processing Technology for Bamboo Musical Instruments	Ongoing	Forest Products Research and Development Institute (FPRDI)	Local bamboo and bamboo musical instrument industry, Educational Institutions, General Public
137	Bamboo Musical Instruments Innovation Research and Development Program	Project 4. Development of Prototype Design and Standardization of Instrument Making Process for Nontraditional Bamboo Instruments using Select Philippine Bamboo Species	Ongoing	UP Diliman	Bamboo-instrument industry, Bamboo wood farmers, K-12 music education
138	HEIRIT	Establishment of DOST-Samar State University Technology Business Incubator	Ongoing	Samar State University	Students, faculty, academe, government, non-government agencies and industries and communities in Region VIII
139	Bamboo Musical Instruments Innovation Research and Development Program	Project 3. Processing Facility for Bamboo musical Instruments and Other Lignocellulosic Materials	Ongoing	Forest Products Research and Development Institute (FPRDI)	Musicians, students, musical instruments producers, music teachers Cultural performers, tourists
140	NICER Program	Mindanao Renewable Energy R&D Center (MREC)	Ongoing	Ateneo De Davao University	Trisikad' Operators, Academe & the General Public

141	HEIRIT	HEIRIT: Establishment of a Technology Business Incubator Establishment at Silliman University	Ongoing	Silliman University	Scientists, innovators, and founders, Aspiring entrepreneurs and start-ups, Business coaches and mentors investors and venture capitalists, and corporate accelerators, Silliman University
142	HEIRIT	UMasenso: Establishment of University of Mindanao Technology Business Incubation Facility and Services for Environmental Solutions	Ongoing	University of Mindanao	*UM faculty and students *Graduates/researchers *Start-up/ Spin-off SMEs *Professionals/workers
143		Prototype Development of the Deepwater Operation 3D Visual Mapping and Inspection System (PD-DOMAINS)	Completed	Antipara Exploration Inc.	Provincial Planning and Development Office — Occidental Mindoro, Provincial Environment and Natural Resource Office — Occidental Mindoro, Protected Area Superintendent and Park Rangers of the selected Marine Protected Sites, Occidental Mindoro Tourism Office
144	CRADLE 2018	Enhancement and Market Validation of Plasma Enhanced Chemical Vapor Deposition industrial Prototype for Nitride-Based Coatings	Completed	UP Diliman	Other manufacturers such as end mills and users of crowning molds that require TiN as coating, Cypress Manufacturing Ltd., Dr. Juanito Navarro. MD. (Ophthalmologist), Bilian Doctors Hospital, Jose L. Amante Emergency Hospital, Marcel — Padilla Hospital
145	HEIRIT	Establishment of the DOST-CITU TBI: Wildcat Innovation Labs	Ongoing	Cebu Institute of Technology - University	*Students *Faculty *Alumni *SMEs *Government Agencies *Industry Partners
146	e-Asia Joint Research Program	Fundamental study of the physical properties of metal-oxide single nanowires and nanoparticles for bio-nano-sensing	Ongoing	De La Salle University	National Meat Inspection Services (NMIS), LGUs, Lung Center of the Philippines and the Department of Health (DOH)
147		Establishment of Advanced Mechatronics, Robotics, and Industrial Automation Laboratory (AMERIAL) in Support of the Metals and Engineering Industry	Ongoing	Metals Industry Research and Development Center (MIRDC)	Academe, Automotive industry, Agricultural industry, Health Care, Metals and engineering industries and Semiconductor industry
148	HEIRIT	Establishment of the DOST-TOMASInno Center TBI	Ongoing	University of Santo Tomas	Student innovators, faculty researchers, alumni start-ups and investors, industry partners, government agencies, and UST's partner communities
149	Support to the Sustainable Environmental Management in Malay, Aklan	Field Testing of Modular Eco-Friendly Domestic Waste Water (MEDoWW) Management for ATI Community: Boracay Island, Malay, Aklan	Ongoing	Adamson University	Restaurants located in Boracay that are generating high organic wastewater and more imponanUy the public who will benefit in the long run from deaner bodies of water.

150	Support to the Sustainable Environmental Management in Malay, Aklan	Development of a Compact Wastewater Treatment System for Restaurants in Boracay Island	Ongoing	Industrial Technology Development Institute (ITDI)	Restaurants located in Boracay that are generating high organic wastewater and more importantly the public who will benefit in the long run from cleaner bodies of water.
151		Project BUHAWI (Automated Gun Mount for Browning 0.50 Caliber Machine Gun, M2, Heavy Barrel)	Ongoing	Metals Industry Research and Development Center (MIRDC)	Philippine Navy, Armed Forces of the Philippines
152		Kapok fibers absorbent with customizable hydrophobicity/hydrophilicity for oily water and wastewater treatment	Ongoing	UP Los Baños	Small to medium scale industries and residential facilities in rural areas
153		Assessment of the Market Potential of Mussel in Marinduque	Completed	Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD)	Farmers, fisherfolk, policy makers, agro-entrepreneurs, researchers, traders, private individuals, Consumers from the different market segments will be included to understand the demand for mussel.
154		Support to the Issuance of Fairness Opinion Report for Technology Transfer Activities of the DOST-Generated Technologies through the DOST Regional Offices (ROs) as Receiving Offices and FOB Secretariat	Ongoing	DOST Region NCR	DOST Regional Offices
155	DOST-JSPS 2019	Design of Highly Active Kapok Fiber Electrodes for Energy Applications	Ongoing	UP Diliman	Local energy industry, Local hybrid/electric car industry, Local electronic industry, Academe, particularly undergraduate and graduate students in the field of Materials, Engineering, Energy Engineering, and other related fields.
156		Intelligent Data Analysis System (IDAS) for Drug Trafficking Investigation in the Philippines: Application of Predictive Data Analytics on Multivariate Analysis Of Methamphetamine-HCl Chemical Fingerprint and Stability Assessment	Completed	Industrial Technology Development Institute (ITDI)	<ul style="list-style-type: none"> • Law Enforcement Agencies (i.e. PDEA) • Filipino individuals, families and society
157	Hard Coating Thin Film Synthesis Using DC and RF Magnetron Sputtering via Gaseous Discharges	Project 1. Development of Direct Current (DC) Magnetron Plasma System for Ti-Al-C Thin Film Synthesis	Completed	Ateneo De Manila University	<ul style="list-style-type: none"> • Industries that manufacture cutting tools • Machining industries
158	Hard Coating Thin Film Synthesis Using DC and RF Magnetron Sputtering via Gaseous Discharges	Project 2. Development of Radio Frequency (RF) Plasma System for Ti-Al-N Thin Film Synthesis	Completed	UP Diliman	<ul style="list-style-type: none"> • All industries that employ machines in their processes including but not limited to woodworking, metalworking, automotive, construction, etc.

159		Ionic Liquid Assisted Electrospinning of Conductive Nanofibers as Solid Polymer Electrolyte/Separator Membrane of Solid State Supercapacitor	Completed	UP Diliman	Energy storage companies, Industries that use polymer based membranes, Undergraduate and graduate students
160		Remote Sensing and Data Science: DATOS Helpdesk	Completed	Advanced Science and Technology Institute (ASTI)	Government agencies (DBM, DPWH, DOT, DILG, NDRRMC, DepED, CHED, DOH, etc.), Researcher Institutions, Academe, General Public
161		Development of Philippine Structural Integrity Monitoring System for Critical Infrastructures in Metro Manila (PhilSIMS Phase 1)	Suspended	Mapua University	Department of Public Works and Highways Bureau of Design (DPWH-BOD), Building Officials of Local government units, Civil/Structural Engineers, and Buildings Owners
162		A Dispersive Long-Wave Model for Predicting Coastal Flooding due to Storm Surges and Surface Waves in Manila Bay	Completed	Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)	Researchers, Emergency Managers, Planners, stakeholders and general public
163		Mapping of offshore active faults for resilient coasts	Completed	UP Diliman	Coastal communities
164		Prototype Development of Severe Weather Amphibious Navigator Using Local Abaca Composites	Completed	Wesleyan University of the Philippines	Households in Region 3 who are affected by floods and typhoons
165		Development of a Local Automatic Identification System (AIS) for Ship Tracking and Monitoring	Completed	De La Salle University	MARINA, PPA, Coastguard, Ship owners and other parties involved in the production and sales of the system
166	Food Manufacturing: Establishment of Halal Assurance Systems for Food	Technical Guidelines Development for Minimally Processed Halal Chicken and Chicken By-Products (Edible Giblets)	Completed	Industrial Technology Development Institute (ITDI)	Processed Halal Chicken and Chicken By-Products Industry & Muslim Community
167		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	Completed	Industrial Technology Development Institute (ITDI)	Potential victims of typhoons and providers of services such as medical team, DSWD staff, military, etc.
168		Enhancing OneLab for Global Competitiveness	Completed	DOST Region IX	Manufacturing industries, MSMEs, Academe, Researchers, LGUs, Hospitals
169		Metrology and PDEA: Correct Quantity, Right Decision	Ongoing	Industrial Technology Development Institute (ITDI)	Philippine Drug Enforcement Agency (PDEA)

170	I-SALT: Improving Productivity and Efficiency of Local Salt Producers towards a Self-Reliant Philippines in 2020	Project 1. Design, Prototyping of Salt Processing Equipment (Washer, Dryer, Iodizer, Crystallizing Pan, Furnace, Concentrator (Ion exchange membrane)	Completed	Industrial Technology Development Institute (ITDI)	Small and Medium Scale Salt Producers in Region 1 and improved productivity and efficiency of salt industry in Region 1
171		Research and Development Project to Rehabilitate and Enhance Productivity in Lahar and Ash-Laden Areas in Central Luzon	Completed	Central Luzon State University	Farming households and communities in Zambales
172		Modular Multi-Industry Innovation Center for Oils, Blends and Sauces	Ongoing	Industrial Technology Development Institute (ITDI)	Food Industry, Pharmaceuticals, Cosmetics Industry
173		Detection of Adulteration in Philippine Honey using Carbon-13 Isotope Analysis	Completed	Philippine Nuclear Research Institute (PNRI)	Industry (honey producers), consumers, regulatory bodies, research, and academe
174	TBI 4.0 Program	DOST Philippine TBI Network Portal and Marketing Strategy for the DOST TBI Portal and Program	Completed	West Visayas State University	Programmers, Web Designers and Project Management
175	Bio-Functional Materials and Textile R&D	Prototype Development and Field Testing of Mosquito-Repellent Textile Products	Completed	Philippine Textile Research Institute (PTRI)	general population, primarily students and families living in areas with high incidence of DHF. Sports and nature enthusiasts (mountain climbers, hikers and campers)
176	Intelligent Transport System (ITS)	Maritime Transport Information System (MARIS)	Completed	UP Diliman	Transportation Sector, LGUs, Maritime Industry Authority (MARINA), Philippine Ports Authority (PPA)
177	Strengthening the Competitiveness of Priority Philippine Industries Through the Small Enterprise Technology Upgrading Program 2.0 (SETUP 2.0)	Project 1. Technology Scanning and SETUP Roadmapping for Priority Industries/Sectors	Completed	DOST Region NCR	MSMEs that belong to the SETUP priority industry clusters, research and development and higher academic institutions
178	Strengthening the Competitiveness of Priority Philippine Industries Through the Small Enterprise Technology Upgrading Program 2.0 (SETUP 2.0)	Project 2. Strengthening of Technology Needs Assessment (TNA) for MSMEs	Completed	DOST Region I	MSMEs that belong to the SETUP priority industry clusters, research and development and higher academic institutions
179		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	Ongoing	DOST Region V	Regional Level: Small-scale Mining Operators in Bicol Region, and Academic Institutions; Local Level: Small-scale Min
180		Smarter Philippines through Data Analytics R&D, Training and Adoption (SPARTA)	Ongoing	Development Academy of the Philippines (DAP)	Public, LGUS, NGAs

181		Competency Building on Halal-HACCP and Its Prerequisite Programs for Personnel of Food Service and Manufacturing Industries	Completed	UP Diliman	-Food service providers - Food manufacturers - Consumers of Halal food (Muslim and non-Muslim alike) - Local food regulatory agencies who would regulate Halal food production, preparation, and marketing.
182	HeiRIT Development Program	Establishing the Sabatan: The Nueva Vizcaya State University Technopreneurs Hub	Ongoing	Nueva Vizcaya State University	-technologies which was registered by the IP Office of the university - students and faculty of the university -community
183	Higher Education Institution Readiness for Innovation and Technopreneurship (HEIRIT) Program	HEIRIT Establishment of the DOST technology Business Incubation in UP Mindanao	Ongoing	UP Mindanao	Beneficiaries include students, faculties, alumni, researchers, entrepreneurs, and inventors
184		Support to the Commercialization of 500 DOST Generated Technologies and Strengthening the Country's Intellectual Property and Technology Portfolios (Phase 3)	Ongoing	Technology Application Promotion Institute (TAPI)	IP Applicants of DOST System
185		Integration of Data Science and Scaling Up of Payruler, a comprehensive Human Resource Management System (HRMS)	Completed	Genii Hut Technologies Corporation	Business owners from Micro and SMEs, Industries using Data Science in their Human capital management, National, Regional and LGU, public workforce
186	Mindanao Renewable Energy R&D Center (MREC)	Design and Performance Evaluation of an Ocean Renewable Energy System	Ongoing	Ateneo De Davao University	- Solar-PV Installers - Academe - General Public
187		Value Added Product from Fruit Processing Wastes: Acetic Acid for Potential Industrial Application	Completed	UP Mindanao	Industry, community, farmers, academe, government
188	Master of Research and Development Management	Project 2. Course Material Development for the Master of Research and Development Management		UP Open University	Students, researchers, scientists, managers, and other researchers in HEIs, and government agencies
189		Development of a Ground Water Resource Management Plan and Monitoring System for Zamboanga and its Surrounding Areas	Suspended	Ateneo De Manila University	LWUA, NWRB, Water District of Zamboanga City and surrounding areas
190		Improvement of Tunnel-type Poultry Farm Yield and Efficiency with an Expert System Aided Interventions	Completed	Farmwatch Solutions, Inc.	Low performing conventional/semiconventional broiler farms

191		Technology Enhancement and Commercialization of Exora Intellex as an Energy Analytics Machine Learning Platform for Industrial Smart Energy Management and Electricity Cost Reduction	Completed	Exora Technologies Inc	Industrial Clients
192		Development of Error Resilient Joint Source-Channel Wireless Video Transmission System for High Efficiency Video Coding (HEVC) Standards over Wireless Channel	Completed	University of Santo Tomas	<ul style="list-style-type: none"> • Mobile phone users • Video coding policy makers such as VCEG (Video Coding Expert Group) or MPEG (Moving Picture Expert Group) • Researchers in the field of video coding and video transmission
193		Marayum - A Community-built, Mobile Phone Based, Online Web Dictionary for Philippine Languages	Completed	UP Diliman	Asi speaking peoples of Romblon
194		Design review, design finalization and production assessment of a locally fabricated optical aerosol monitor	Completed	UP Diliman	
195	Synergistic Capacity Advancement for the Management of Laguna Lake: SCALE	Project 2. Microbial Source Tracking in Selected Tributaries of Laguna de Bay	Ongoing	UP Diliman	<ul style="list-style-type: none"> > LLDA (Laguna Lake Development Authority) > Other government agencies or laboratories (EMB-DENR, BFAR, DA). > The people that derive their livelihood from the lake (e.g., fishermen) as well as the community leaders will benefit from the results of this study.
196	Food Manufacturing: Establishment of Halal Assurance Systems for Food	Establishment of Halal Assurance System for Bakery Products	Completed	Industrial Technology Development Institute (ITDI)	Baking Industry Halal Food Service Industry Halal Food Manufacturing Industry Halal Food Consumers
197	Food Manufacturing: Establishment of Halal Assurance Systems for Food	Establishment of Halal Assurance System for Muslim Delicacies and Processing Techniques	Ongoing	Sultan Kudarat State University	Food Manufacturers/Processors Halal Food Consumers Halal Food trade organizations/association and academic Institution
198	Human Resource Development of Halal Science, Technology and Innovation	Training Needs Assessment and Development and Deployment of Training Modules on Halal	Ongoing	DOST Region XI	Halal industry (local and export), researchers, and students
199	Human Resource Development of Halal Science, Technology and Innovation	Curriculum Development and Offering on Halal Science and Scholarship for SUC Faculty on Halal Science	Ongoing	University of Southern Mindanao	Students and Researchers
200	Natural Dyes and Colorants R&D Program	Project 4. Natural Food Colors from Local Source as Food Additive	Completed	Philippine Textile Research Institute (PTRI)	Food industries and food service

201	3R Approach to Sustainable Management of Nickel Laterite Ore Mining	Project 2. Recycling and reprocessing of siltation sediments from selected nickel laterite mining areas in the Philippines as raw materials for the synthesis of iron-based novel adsorbents	Completed	Central Mindanao University	Nickel mining industry, Local communities, Local Government Units (LGU's), NGO's, GO'
202	3R Approach to Sustainable Management of Nickel Laterite Ore Mining	Project 4. Recycling of silt and spent residue from reprocessing as raw materials for geopolymer composite	Completed	Central Mindanao University	Nickel mining industry, Local communities, Local Government Units (LGU's), NGO's, GO'
203	Processing of Bio-based Polyols and Polyurethanes for Industrial Applications Program	Project 1. Production of Bio-based Polyols from Lignocellulosic Biomass	Ongoing	Mindanao State University-Iligan Institute of Technology	Interested manufacturing companies
204	Processing of Bio-based Polyols and Polyurethanes for Industrial Applications Program	Project 2. Development of Polyurethane-based Packing Materials and Anti-corrosive Coatings from Vegetable Oil	Completed	Mindanao State University-Iligan Institute of Technology	Interested manufacturing companies
205	Upgrading the PNS for Virgin Coconut Oil (VCO) and the Philippine VCO Industry	Project 3. Investigation of factors affecting the sensory properties and acceptability of VCO	Ongoing	UP Diliman	VCO industry, in particular the SME sector Coconut farmers VCO exporters and local traders
206	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Establishment of DOST-T.I.P. Technopreneurship and Innovation Center	Completed	Technological Institute of the Philippines	Students, faculties, alumni, researchers, entrepreneurs, business leaders and inventors
207	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	HEIRIT: Technology Business Incubator Establishment at Saint Louis University (SLU) Technohub	Ongoing	Saint Louis University	who the clientele are and what are the expected outcome/effects of the use of the project outputs
208	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Establishment of AgiLAB: The USEP Technology Business Incubation Facility and Services for IoT, Industrial Technology & Systems Application Development	Ongoing	University of Southeastern Philippines	Graduates/researchers Start-up/ Spin-off SMEs Professionals/workers Subsidiary of big companies and soft landing
209	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	HEIRIT: Establishment of the DOST-TUPV HIVE (Hub for Innovation and Value Engineering)	Ongoing	Technological University of the Philippines Visayas	- MSMEs will have a facility for business development of their start-ups as well as a venue for product development - Students would have a better understanding of technopreneurship and will have better chances to commercialize their research outputs - Faculty members will be able to commercialize their researches by creating a start-up company with the help of the TUPV HIVE

210	Funding Assistance for Spin-off and Translation of Research in Advancing Commercialization (FASTRAC) Program	CharM - Charging in Minutes Spinoff Project - Technology Development for Manufacturability and Open-water Market Validation	Completed	UP Diliman	Electric Vehicle manufacturers (EV Wealth, Prozza Hirose, Get EV just to name a few) EV Technology adapters Electric vehicle operators EV Industry in the Philippines and neighbouring Asian countries in general
211		From Pest to Valued Commodity: Black-Chin Tilapia (<i>Sarotherodon melanotheron</i>) for the Development of Surimi-Based Products Processing	Ongoing	Bataan Peninsula State University	Subsistent brackish and freshwater fisherfolks of eastern Bataan (Orani, Samal, and Abucay - brackish fishery centers of the province)
212	CONSORTIUM	Development of a Wastewater Filtration System Using Indigenous Materials	Completed	Mariners Polytechnic Colleges Foundation of Canaman, Inc.	Coastal residents of barangay Sibobo, Calabanga, Camarines Sur
213		Optimization of Virtual Reality Kit (VR Kit) for New Media Technology and Commercial Competitiveness	Completed	Mataverse Inc.	-mobile technology advancement -AI, virtual experiences, new industry applications of advanced mobile technologies, etc. -arsenal of product development talent pool existing locally, making way for new entrepreneurs and breeding future innovators
214	Collaborative Research and Development to Leverage Philippine Economy (CRADLE)	Development of a Design Guideline Using Finite Element Analysis (FEA) for Semiconductor Packages	Completed	De La Salle University	-Semiconductor industry specifically IMI -The R&D Station, -Center for Engineering and Sustainable Development Research (CESDR) of De La Salle Univeristy- Laguna Campus
215		Development of an Alternative Credit Scoring Model applying Machine Learning in FinancingFarmers	Completed	Cropital Enterprises Corporation	Smallholder Farmer
216		Characterization and Resource Estimation of Valuable Rare Earth Elements (REEs) and Natural Radionuclides in the Philippine Coal and Feldspar Deposits	Ongoing	Philippine Nuclear Research Institute (PNRI)	-Government, coal mining companies and coal power plant operators which have the potential of earning more from coal and coal by-products - Academic institutions and the scientific community
217		Technology Innovations for Mathematical Reasoning, Statistical Thinking and Assessment	Ongoing	Ateneo De Manila University	-Teachers and students -School Administrators, Local Government Unit (e.g. San Mateo LGU)
218	Natural Fibers as Nanostructured Scaffolds for Biomedical Applications	Project 2. Nanostructured Scaffolds from Natural Fibers as Platforms for Stem Cell Growth and Differentiation	Ongoing	UP Diliman	-Biomedical Industry -Philippine seaweed Industry -Inorganic natural mineral Industry

219		Strengthening of Industry Strategic Science and Technology Plan (ISP) Information System for Improved R&D Management	Ongoing	Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD)	Policy makers, researchers, ISP managers, agri-entrepreneurs, students, general public
220	Integrated Mapping, Modelling and Management System for Manila Bay and Linked Systems (IM4ManilaBay)	Project 1. Integrated Waste Analysis, Survey and Technological Options (IWASTO)	Ongoing	UP Diliman	a) Local Government Units b) DENR
221	CRADLE 2018	Development of a System that Can Determine and Classify the Layout Correctness of Integrated Circuit Layout Blocks using Machine Learning	Completed	University of Perpetual Help System - Dalta	CAMP, Inc.
222	Funding Assistance for Spin-off and Translation of Research in Advancing Commercialization (FASTRAC) Program	Technology and Market Validation for Universal Structural Health Evaluation and Recording (USHER) System	Completed	Mapua University	Building owners and managers, structural engineering firms, LGUs
223	CRADLE	Enhanced Forecasting Model for Complex Water Supply Systems of the East Service Area of Metro Manila	Ongoing	Asian Institute of Management	Garment industry, particularly Naduma Enterprises, Inc
224		PATURO: Platform for Assessment and Tracking of Urbanization-Related Opportunities	Ongoing	Asian Institute of Management	-Policymakers of the City of Cauayan -Transport Planning Staff of the City of Cauayan -ACCeSs@AIM: (mailto:ACCeSs@AIM:)
225	Decision Support Tools for Intelligent Transport System (ITS)	cATfish: A Modular Mini-Autonomous, Underwater Vehicle (AUV) initially submitted as (Remotely operated underwater vehicle (ROV-One))	Ongoing	UP Diliman	Transportation Sector, LGU Traffic Offices
226	Space Technology and Applications Mastery, Innovation and Advancement	Project 5. Advanced Satellite Development and Know-How Transfer for the Philippines	Ongoing	UP Diliman	-Defense and Security Sectors -DOST in terms of generation of satellite technology and application and continuous -Advanced research -Academe in terms advancing education and research
227		Secured Command and Control (C2) Communication System	Ongoing	Holy Angel University	PN Fleet, Naval Air Group (NAG) and the Marines (primary) and the Phil Army, Air Force and Coast Guard (Secondary)
228	Support to the Sustainable Environmental Management in Malay, Aklan	Project 1. Support to the Rehabilitation of Boracay Island Through the Upgrading of Material Recovery Facilities (MRFs): Solid Waste Management Project	Completed	DOST VI	The LGU Malay specifically the MRFs of Barangay Yapak, Manoc-manoc, and Balabag.
229		A Mobile-Web Bidirectional Neural Machine Translation System for Filipino and Cebuano	Completed	University of the Immaculate Conception	Individuals who wanted to do translation in Filipino and Sinugbuanong Binisaya

230		Determination of the Mineral Processing Operating Parameters for Ores in Cabadbaran City and Business Model Development for the Sustainable Operation of Gold-Copper Pilot Plant in Caraga	Ongoing	DOST Region XIII	-Small Scale Mining Communities and associations in Agusan del Norte, LGU of Agusan del Norte and Cabadbaran City, and Academic Institutions. -Local Level: SSM Mining Communities and associations in Agusan del Norte
231		Development of Low Heat and Low Humidity (LH)2 Drying System for DOST Malnutrition Reduction Program (DOST-MRP) Facilities	Ongoing	Food and Nutrition Research Institute	-Filipinos affected and displaced by disasters and emergencies -Farmers -School children -People at risk of nutrition deficiencies -Local manufacturers of food processing equipment Malnutrition -Reduction Program operators
232		Reliability, Availability, Maintainability, and Safety (RAMS) Testing of the HET Generator Set	Completed	Metals Industry Research and Development Center	Transportation Industry - Philippine National Railways, Light Rail Transit Authority, Manila Metro Rail Transit and Northrail Project
233		Production of Ready-To-Buy (RTB) Natural Textiles and Dyes in Support of Increasing Utilization of Local and Indigenous Philippine Textile	Completed	Philippine Textile Research Institute	MSME's involved in handloom weaving, garment manufacturers who are engaged into the utilization of natural materials available in the Philippines
234		CATfish: A Modular Mini-Autonomous, Underwater Vehicle (AUV) initially submitted as (Remotely operated underwater vehicle (ROV-One))	Ongoing	UP Diliman	<ul style="list-style-type: none"> • Environmental and hazards monitoring • Researchers • Aquaculture • Security • Industry • Hobbyists
235	Development of Food Reference Materials for Nutrition Labelling for use of Local Testing Laboratories Phase 2	Establishment of ISO17034:2016 Quality Management System and Development of Fish Reference for Proximate, Minerals and Cholesterol Analysis	Completed	Food and Nutrition Research Institute (FNRI)	DOST RSTLs and RDIs; Small and medium scale food industries; Local and regional food testing laboratories that are participants Local accreditation body (PAO, DTI) which gives 3rd party ISO/IEC 17025:2005 accreditation Commercial testing laboratories providing the analytical services; Local recognition bodies which give 2nd party accreditation namely: Food and Drug Administration and Department of Health (FDA, DOH)
236	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	HEIRIT: Establishment of the TBI Center at Miriam College - Henry Sy, Sr. Innovation Center	Ongoing	Miriam College	Students, employees, alumni, community partners, industry partners, partner schools/universities

237		Support to the Commercialization of 500 DOST-Generated Technologies (Phase 2): Strengthening the Intellectual Property and Technology Portfolios of the DOST	Completed	Technology Application Promotion Institute (TAPI)	-Higher Education Institutions -Non-academic Organizations, such as agencies under COST and other agencies. These entities also cover both the RDIs and GFAs as defined by Republic Act No. 10055 -Private firms, which put some stakes on pioneer industries and technologies as well as in governmentfunded research projects -Individual inventors who developed technologies on their own, private capacity
238		Fabrication of a Novel Material as Anode Electrode for High Power Generator AI-Air Reactor	Ongoing	Polytechnic University of the Philippines	-The local transport sector -The communities who often use public transportation especially cliyifig rush hour -The Electric Vehicle manufacturers
239		Enhancing Man-Machine Interaction through Intelligent Conversational Agents	Completed	De La Salle University	-Health practitioners and patients in Healthcare counseling -Mentors and learners in Language and literacy education -Other service-driven sectors who may utilize conversational agents
240	e-Asia Joint Research Program	e-Asia: Development of Information Gathering and Utilization Systems using small Unmanned Airborne Vehicles (UAVs) for Disaster Risk Assessment, Monitoring and Response	Completed	Philippine Institute of Volcanology and Seismology (PHIVOLCS)	Philippine Institute of Volcanology and Seismology (PHIVOLCS), LGUs - disaster preparedness and risk mitigation teams / staff
241		Preliminary Characterization of Taal Volcanic Ash as Potential Raw Material for the Construction Industry and Safety Evaluation of its Leachates	Completed	Industrial Technology Development Institute (ITDI)	-People and properties located in the affected areas of Taal Volcano 14-km Danger Zone for -Risk Assessment and Possible Livelihood -Local Government Officials as overseers of community health and safety -National Government for its Disaster Risk Reduction Programs -Monitoring and/or Regulatory Agencies
242		Non-Intrusive Sensor-based Prescriptive Maintenance Platform for Wire Manufacturing Factory	Ongoing	Ateneo De Manila University	Associated Wire Corporation of the Philippines (AWCP)

243	Eco-System Modeling and Material Transport Analysis for the Rehabilitation of Manila Bay (e- SMART)	Ongoing	UP Diliman	<ul style="list-style-type: none"> -Mandamus agencies who will be empowered to take appropriate risk reduction actions based on the insights of the study -Personnel and staff who are directly involved in the treatment processes through the development of protocols; -Policy makers may use this study as a basis in developing sticter regulatory policies to reduce the incidence of water-borne protozoan parasite infections;
244	Development of Column-Packed Adsorbent for Chrome Recovery from Tanning Wastewater	Ongoing	Philippine Nuclear Research Institute (PNRI)	Leather tanning industry, general public
245	Fabrication and characterization of plasma sprayed nanostructured TiO2-based coatings for photocatalytic applications	Ongoing	Mindanao State University-Iligan Institute of Technology	Academe Energy and water treatment industries
246	MAPX: Manage Assets and Properties and Map for Visualization	Completed	Caraga State University	<ul style="list-style-type: none"> -CPU-based Spatial Data Infrastructure -Real Property Tax Mapping Platform for Local Government Units -Mobile Applications for Real Property Owner -APIs for Legacy System and Blockchain-based Property Documents -1 Duly Registered Company -1 Early Adopters — for Customization and Upgrading -1 Early Paid Customers
247	Fabrication of Graphene-based Nanostructure Substrates for Applications in Ultrasensitive Detection	Ongoing	Ateneo De Manila University	MSEP students, UP Community, companies manufaturing commercial substrates, water filter manufacturers
248	Space Technology and Application: The Philippine Microsatellite Program	Ongoing	Philippine Foundation for Science and Technology	Students and museum visitors
249	Recovery of Nickel, Cobalt, Iron and Rare Earth Elements from Low Grade Philippine Laterite Ores using Atmospheric Leaching with Reduction Pretreatment	Ongoing	Mines and Geosciences Bureau (MGB)	<ul style="list-style-type: none"> -Mining public in need of technical assistance for the viability of laterite related projects. -Mining sector, for the value adding effects of laterite utilization. -MGB Laboratory and MeTD technical personnel.
250	Formulation of a Settlements Development Model in New Growth Areas in the Philippines	Completed	UP Diliman	Residents living along the 3-meter easement of eight waterways in Metro Manila

251	MECO-TECO	MCWQM: Multi-platform and Cross-Sensor Water Quality Monitoring	Completed	UP Diliman	Masteral ERDT scholars and other academic and research institutions, as well as local geodetic engineers and LGUs
252	Synergistic Capacity Advancement for the Management of Laguna Lake: SCALE	Project 3. TRACe Fish – Trace oRganics and metAls in Commodity Fish: Method optimization, extent of contamination and health risk due to fish intake	Ongoing	UP Diliman	Laguna Lake Development Authority (its officials and technical personnels)
253		Extraction of Radionuclides Rare Earths, and other Valuable Industrial Elements from Phosphogypsum Tailings	Ongoing	Philippine Nuclear Research Institute (PNRI)	Phosphogypsum companies
254	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	HEIRIT: Establishment of DOST-BulSU BARAS TBI (Business Assistance for Research Acceleration and Sustainability Technology Business Incubator)	Ongoing	Bulacan State University	College Students and Young Professionals, especially in Region 2 with potential project to spinoff and launch in the market
255	Integrated Mapping, Modelling and Management System for Manila Bay and Linked Systems (IM4ManilaBay)	Project 2. Development of Integrated Mapping, Monitoring and Analytical Network System for Manila Bay and Linked Environments (MapABLE)	Ongoing	UP Diliman	-Mandamus agencies who will be empowered to take appropriate risk reduction actions based on the insights of the study -Personnel and staff who are directly involved in the treatment processes through the development of protocols; -Policy makers may use this study as a basis in developing sticter regulatory policies to reduce the incidence of water-borne protozoan parasite infections
256		Development of a Passive Neutron Spectrometry System (PNSS)	Completed	Philippine Nuclear Research Institute (PNRI)	-PNRI -Academic Institutions -Personnel working with neutron sources
257	DOST - JSPS	Preparation of Crown Ethers and Alpha-aminophosphonates Decorated Natural Fibers-based Hybrids Metal Ion Adsorbents by Fusing Multicomponent-reaction and Radiation-grafting of Polymers	Ongoing	Philippine Nuclear Research Institute (PNRI)	-Faculty and researchers of the Department of Electrical, Electronics and Computer Engineering of MSU-GenSan -Environment
258		Mass Production and Distribution of Face Shields	Completed	Metals Industry Research and Development Center (MIRDC)	Frontliners and all cities and municipalities in the NCR and adjoining provinces of Bulacan, Cavite, Laguna, Rizal and Batangas
259	CRADLE	Development of Wastewater Treatment Equipment for Wet-Type Finishing Spray Booth	Ongoing	Forest Products Research and Development Institute (FPRDI)	Furniture and handicraft making plant, especially those using wet-type FSB, specifically, RSU Rattan Furniture. General public and the local physical environment

260	CRADLE 2019	Reworking of Processed Meat Using a Combined Acidification-Heat Treatment Process	Ongoing	Eastern Visayas State University	-Batangas State University (RDI) -Alterna Verde Corporation (Industry Partner)
261		Development of Nanosilica-based Anti-Corrosion Coating Formulations for Carbon Steel Reinforcement Used in Farm Structures	Ongoing	UP Los Baños	<ul style="list-style-type: none"> • Filipino consumers • Farmers and farmer structures • Metal tools and implements industries • Structure builders • Construction industries • Homeowners • Paint users and paint manufacturers
262	8th e-Asia Joint Research Program	eAsia: Developing Green Degradable Polymers from Plant Based Oils and Investigation on Its Subsequent Functionalization and Utility as Heavy Metal Sequestrants	Suspended	Ateneo De Manila University	<ul style="list-style-type: none"> -The public -Oleochemical industries (i.e., Chemrez Technologies. Inc.) as well as the R&D research community -The proponent's research group as well as the entire R&D community
263		Coastal Sea Level Rise in the Philippines (CSLR)	Completed	UP Diliman	NAMRIA, LGUs in the identified sites, NDRMMC, DENR, Storm surge, tsunami and flood modelers
264	BATTERY: Broadening Accumulator Tenable Time Extends Rechargeability Years	TUNER: Transmissometry Using Nonlinear Electrode Response	Ongoing	Technological Institute of the Philippines	Philippine Battery Inc. Lead Acid Battery User
265	BATTERY: Broadening Accumulator Tenable Time Extends Rechargeability Years	SOUNDER: Sonic Oscillations Unleashing Nonconductive Deposits on Electrode Reactors	Ongoing	Technological Institute of the Philippines	Philippine Battery Inc. Lead Acid Battery User
266		Recycling and Recyclability Index for Tricycles	Ongoing	University of Asia and the Pacific	LTO, DENR, TODAs and DOTr
267		Fabrication and Characterization of Hydrophobic Nanocomposite Plated Abaca Fabric for Enhanced Electromagnetic Interference Shielding (EMI-SE) and Thermal Resistance (TR) for Spacesuits Application	Ongoing	De La Salle University	<ul style="list-style-type: none"> -astronauts who will wear the TMG during extra vehicular activities -abaca growers
268	FASTRAC	X-LIPAD: Light Intelligent Platform for Autonomous Drones	Ongoing	De La Salle University	<ul style="list-style-type: none"> -Technologies which was registered by the IP Office of the University -Students and faculty of the university -Community

269		Sustainable Technology - Assisted Route Planning for Region VI (STARPLAN VI)	Ongoing	De La Salle University	>People of Region VI, tourists visiting Region VI, local government planning and engineering staff and local SUCs >The LTFRB can also use the EXCEL-based scheduling tool in the future assessment and evaluation of routes with franchises. >Planners and engineers from National Government Agencies like DPWH, DOTr and NEDA
270		Development of a 23-seater Electric Jeepney (E-Jeepney)	Completed	Electric Vehicle Association of the Philippines	General Public
271		Scoping Study and Survey to Identify Key Environmental Problems of Industries in Valenzuela City	Completed	Polytechnic University of the Philippines	Local communities, children, Local Government Unit, Researchers, Academe, Students, Scientist, Plastic industries, small medium enterprises and Businessmen
272		Bayan Ko-Ops	Completed	UP Diliman	Government Agencies
273		Optimal Locations and Allocation of Personnel (OLAP) at Checkpoints during the Coronavirus Lockdown in Metro Manila and other Regions	Completed	De La Salle University	MMDA, LGUs under lockdown
274		A COVID-19 Initiative: Development of Sixty-six (66) units of Specimen Collection Booth and Conduct of Testing and Data Gathering in Selected Areas	Completed	Futuristic Aviation and Maritime Enterprise, Inc.	-Government Agencies (Department of Health, Inter-agency Task Force on Emerging Infectious Disease) -Accredited testing hospitals -Accredited testing laboratories -Medical personnel -Person Under Investigation (PUIs) -Persons Under Monitoring (PUMs)
275		USHER Go-Clean Disinfecting Chamber System Deployment	Completed	USHER Technologies Inc.	Hospitals, LGUs
276		Project Dwarf: Autonomous Search and Rescue Using Swarm Technology	Completed	DWARMTech Inc.	Government agencies , Private Sector
277		Project Ramdam System Development and Deployment	Completed	Geographic Innovations for Development Solutions, Inc.	Government agencies , Private Sector
278		Plant Protein Products from Local Sources	Ongoing	Industrial Technology Development Institute	-Local producers of coconut, VCO, legumes, rice and rice bran -Local food processors -food ingredient and food additive suppliers

279		DOST - FNRI Technology Marketing Package for Juan and Juana	Completed	Food and Nutrition Research Institute	<ul style="list-style-type: none">-National Policymakers-Micro, Small, Medium Enterprises-Current and possible technology adoptors-Health workers, nutrition scholars-Community leaders-Academe-Other relevant publics
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