

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

Operating Unit:

Organization Code (UACS): 19 013 0000000

Particulars	UACS Code	Current Year's Accomplishments			Physical Targets (Budget Year)					Variance	Remarks
		Actual Jan. 1 - Sept.	Estimate Oct 1 - Dec. 30	Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total		
1	2	3	4	5=(3+4)	6	7	8	9	10=(6+7+8+9)	11=(10-5)	12
<b>Program:</b> National Industry, Energy and Emerging Technology Sectors R&D Program	31 010 0000000000										
<b>Organizational Outcome:</b> Increased benefits to Filipinos from scientific knowledge and technological innovations for productivity and competitiveness											
<b>Outcome Indicators</b>											
Percentage of priorities in the Harmonized National R&D agenda (HNRDA) addressed		100%	100%	100%				90%	90%	-10%	
Number of partnerships with public and private stakeholders and international organizations		83	5	88	15	20	10	10	55	-33	
<b>Output Indicators</b>											
Number of projects funded		137	55	192	30	20	10	39	99	-93	
Number of projects monitored		208	30	238	35	50	60	55	200	-38	
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%				55%	55%	0%	

Prepared by:

  
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Approved By:

  
**DR. ENRICO C. PARANGIT**  
 Executive Director

**Number of Projects Funded  
(January - September 2021)**

	Program Title	Project Title	Implementing Agency
1		From Pest to Valued Commodity: Black-Chin Tilapia ( <i>Sarotherodon melanotheron</i> ) for the Development of Surimi-Based Products Processing	Bataan Peninsula State University
2		Fabrication and characterization of plasma sprayed nanostructured TiO <sub>2</sub> -based coatings for photocatalytic applications	Industrial Technology Development Institute
3	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Establishing the Sabatan: The Nueva Vizcaya State University Technopreneurs Hub	Nueva Vizcaya State University
4		Development of a Smart Polymer Meta-Material for Wearable Biosensors	De La Salle University
5	SEA-EU (Southeast Asia-Europe Joint Funding Scheme)	Metal Oxide Hybrid Structured Barriers for Stable Energy Devices	De La Salle University
6	Natural Fibers as Nanostructured Scaffolds for Biomedical Applications	Project 2. Nanostructured Scaffolds from Natural Fibers as Platforms for Stem Cell Growth and Differentiation	UP Diliman
7		Thermal Processing of Selected Materials Using Agitated-Type Retorts	Industrial Technology Development Institute
8		Development of Innovative Food Products from Colored Philippine Tubers and Root Crops through the UPLB-DOST Food Innovation Center	UP Los Baños
9		Handum: The Design, Implementation, and Analysis of a Digital/Mobile Game-based Learning Tool for Primary and Secondary Educationled	Industrial Technology Development Institute
10		Integrated Flood and Water Resources Management in ASEAN Basins for Sustainable Development	Isabela State University
11		Imahe Labs: An Educational Game for Chemistry in the Senior High School and Junior High School sectors of Baguio City	University of the Cordilleras
12	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Establishment of DOST-Samar State University Technology Business Incubator	Samar State University

13		Development of Nanosilica-based Anti-Corrosion Coating Formulations for Carbon Steel Reinforcement Used in Farm Structures	DOST Region XI
14		Performance Evaluation of Natural Textile Fibers (NTFs) and Technology Transfer of RYPIC Facility in Miagao, Iloilo	Philippine Textile Research Institute
15		Towards Leveling- up OneLab for Research, Development and Innovation ( <b>OneLab Transition</b> )	DOST Region IX
16	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	UP Diliman
17	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Establishment of TBI center for the University of the Cordilleras	University of the Cordilleras
18	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	Miriam College
19	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Support for the Establishment of TBI in Holy Angel University (HAU)	Holy Angel University
20	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Establishment of the DOST-CITU TBI: Wildcat Innovation Labs	Cebu Institute of Technology - University
21		PATURO: Platform for Assessment and Tracking of Urbanization-Related Opportunities	Asian Institute of Management
22		Development of Low Heat and Low Humidity (LH)2 Drying System for DOST Malnutrition Reduction Program (DOST-MRP) Facilities	Caraga State University
23	IP Management Program for Academic Institutions Commercializing Technologies (IMPACT)	IMPACT: Establishment of Knowledge and Technology Transfer Processes for University of the Cordilleras	University of the Cordilleras
24		Valorisation of agri-food waste: ultrasound-assisted extraction of oils and polyphenols from spent coffee grounds and green bean rejects of Cordillera grown arabica coffee	UP Baguio

25		Mathematical Resources for Distance Learning Utilizing Community LTE Networks and Television Frequencies	Ateneo de Manila University
26		Pilot Study for Integrating Microgrid and Distributed Renewable Energy Sources for an Electric Cooperative	UP Diliman
27	Autonomous Societally Inspired Mission Oriented Vehicles (ASIMOV)	Project 1. Harmonized Aerial Watch and Knowledge-based Survey (HAWKS)	UP Mindanao
28	Securing Water Resources in Tourist Destinations in the Philippines: Pilot Study in Boracay Island (Comprehensive Water Resources Assessment and Management Plan for Nabaoy River Watershed and Boracay Island)	Project 2: Hydrological Characterization of Boracay Island's Groundwater System and Nabaoy River Watershed Using Isotope Techniques	Philippine Nuclear Research Institute
29		PCIEERD Human Resource Development	Multiagency
30		Impact Assessment of DOST/PCIEERD Funded Projects	Multiagency
31		Young Innovators Program	Multiagency
32		Financial Support for the Information Dissemination and Promotion of Technologies	Multiagency
33		Project Management/Assessment and Policy Development Program	Multiagency
34		Establishment of DOST Food Safety Web Application	DOST - Region IV-A
35	NERC-DOST (UK-Philippines Minerals & Mining - Natural Environment Research Council/DOST-PCIEERD joint programme)	Developing a Sustainable pathway for the Philippine Nickel sector (SusNi)	Caraga State University
36	NERC-DOST (UK-Philippines Minerals & Mining - Natural Environment Research Council/DOST-PCIEERD joint programme)	A Framework for the Sustainable Development of Marine Mineral Resources in the Philippines	Mines and Geosciences Bureau (MGB)
37	NERC-DOST (UK-Philippines Minerals & Mining - Natural Environment Research Council/DOST-PCIEERD joint programme)	PROMT: Philippines Remediation of Mine Tailings	Philippine Nuclear Research Institute (PNRI)
38	NERC-DOST (UK-Philippines Minerals & Mining - Natural Environment Research Council/DOST-PCIEERD joint programme)	SAGES: Systems Approach for Greener, Eco-efficient and Sustainable Mineral Resource Management in the Philippines	De La Salle University (DLSU)

39		Development of Framework and Materials for Distance and Remote Learning via Datacasting	De La Salle University (DLSU)
40	Autonomous Societally Inspired Mission Oriented Vehicles (ASIMOV)	Project 2. Robot for Optimized and Autonomous Mission-Enhancement Responses (ROAMER)	Advanced Science and Technology Institute (ASTI)
41	GODDESS	Development of Urdaneta City Bagsakan Market Tariff Information Systems	Urdaneta City University
42	GODDESS	Prescriptive Navigation through Vision-based Traffic Monitoring for City of San Fernando, La Union	Don Mariano Marcos Memorial State University
43		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 (MGB)
44		Zeoskin: A Green Indoor Air Filter	Saint Louis University
45	BATTERY: Broadening Accumulator Tenable Time Extends Rechargeability Years	SOUNDER: Sonic Oscillations Unleashing Nonconductive Deposits on Electrode Reactors	Technological Institute of the Philippines - Quezon City Campus
46	BATTERY: Broadening Accumulator Tenable Time Extends Rechargeability Years	TUNER: Transmissometry Using Nonlinear Electrode Response	Technological Institute of the Philippines - Quezon City Campus
47	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Establishment of the DOST-TUPV HIVE (Hub for Innovation and Value Engineering)	Technological University of the Philippines Visayas
48	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Technology Business Incubator Establishment at Saint Louis University (SLU) Technohub	Saint Louis University
49	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Establishment of the DOST-TOMASInno Center TBI	University of Santo Tomas
50	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Establishment of DOST-T.I.P. Technopreneurship and Innovation Center	Technological Institute of the Philippines
51	GODDESS	Dagupan City Garbage Monitoring System	Lyceum-Northwestern University
52		Space Technology and Applications: The Philippine Microsatellite Program	Philippine Foundation for Science and Technology (PFST)
53		Development of Column-Packed Adsorbent for Chrome Recovery from Tanning Wastewater	Philippine Nuclear Research Institute (PNRI)
54	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	UP Diliman

55	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	PHIVOLCS
56		Engineered Smart Concrete Utilizing Indigenous Wastes for Durable and Intelligent Infrastructure	University of Mindanao
57	DOST-Newton Agham Institutional Link Grant	Utilising Marine Renewable Energy to Satisfy Community Energy Demands and Stimulate Socio-Economic Development within the Philippines	Ateneo De Davao University
58	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	Mapua University
59	PH UK Newton Agham Joint Cooperation Program on Understanding the Impacts of Hydrometeorological Hazards in South East Asia	Philippine Groundwater Outlook (PhiGO)	Ateneo De Manila University
60		Sustainable BIM-Based Evaluation for Infrastructure Project Implementation	Mapua University
61	NERC-DOST (UK-Philippines Minerals & Mining - Natural Environment Research Council/DOST-PCIEERD joint programme)	Philippine Mining at the National to Catchment Scale: From Legacy Impacts to Sustainable Futures	University of the Philippines - Los Baños
62		Image Mapping of Energy Conversion Efficiency and Other Parameters Across Solar Cell Active Areas using Photoexcitation and Photothermal Effects	University of the Philippines - Cebu
63		Resilient Education Information Infrastructure for the New Normal	Advanced Science and Technology Institute (ASTI)
64	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	DOST – Business Incubation Zone for Novel and Sustainable Enterprises in Cagayan State University	Cagayan State University
65	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	Bicol University
66	Higher Education Institution Readiness for Innovation and Technopreneurship (HEIRIT) Program	HEIRIT Establishment of the DOST technology Business Incubation in UP Mindanao	University of the Philippines - Mindanao
67	FASTRAC	Alama Project: Technology Development, Commercialization and Promotion of Gitara ni Juan	University of the Philippines - Diliman
68	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	HEIRIT: ESTABLISHMENT OF DOST-ISAT U K'DRA 1905 TECHNOLOGY BUSINESS INCUBATOR (KTBI)	Iloilo Science and Technology University

69	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	UMasenso: Establishment of University of Mindanao Technology Business Incubation Facility and Services for Environmental Solutions	University of Mindanao
70	IP Management Program for Academic Institutions Commercializing Technologies (IMPACT)	Establishment of Technology Management System at University of the Philippines Mindanao	University of the Philippines - Mindanao
71	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: Establishment of Technology Management System at Samar State University	Samar State University
72	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: Establishment of the Technology Transfer and Commercialization Management System at Cagayan State University	Cagayan State University
73	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: Establishment of University of Mindanao Technology Transfer and Intellectual Property Management Office (UM-TTIPMO)	University of Mindanao
74	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: Reinforcing the Capability of the Technology Transfer Program of the DOST-Forest Products Research and Development Institute	Forest Products Research and Development Institute
75	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	HEIRIT: Establishment of a Technology Business Incubator Establishment at Silliman University	Silliman University
76	IP Management Program for Academic Institutions Commercializing Technologies (IMPACT)	IMPACT: Fostering Innovation to Galvanize HEIs Tech Transfer (FIGHTT) - Saint Louis University	Saint Louis University
77	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: Operationalizing Technology Transfer in T.I.P.: A Reference for T.I.P. Initiatives to Strengthen the Innovation Ecosystem	Technological Institute of the Philippines
78	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: Establishment of the SU-KTTO at Silliman University, Dumaguete City, Negros Oriental	Silliman University
79	Startup Development Program	STARTUP: 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.
80	Startup Development Program	STARTUP: Improvement and Assessment of Marketability of an AI-powered Buyer-Supplier Matching and Management System for Businesses in the Philippines	Burket.Ph, Inc.

81	Startup Development Program	STARTUP: Enhancement and Market Validation of Infinit LMS a Learning Management System with Outcomes-Based Education Analytics	Advanced Infinit Technology Solutions Inc.
82	Startup Development Program	STARTUP: 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.
83	Startup Development Program	STARTUP: Enhancement of the Prototype and Market Validation of Traceability Access for Consumer and Export powered by Artificial Intelligence (TrACE.AI) Software System	CAWIL.AI
84	Startup Development Program	STARTUP: Enhancement of Material Property of Lesstics Roofing Tile (Bio-based Insulation Polymer/Waste Single-Used Plastic Composite)	Lesstics Inc.
85	Startup Development Program	STARTUP: Enhancement and Validation of Zippee Logistics: A Franchise B2B Logistic Platform for Truck Owners and Franchisees	Bizooku Philippines Inc.
86	Startup Development Program	STARTUP: Market Segment Validation and Targeting for CodeChum, An Online Programming Class Platform	Maranga Software Solutions
87	Startup Development Program	STARTUP: Enhancement of Prototype and Market Validation of TinkerClubs.com (A STEAM-Learning Platform for K-to-6 Learners)	Tinkerhouse, Inc.
88	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: Catalyzing Thomasian IP Generation and Utilization	University of Santo Tomas
89	Startup Development Program	STARTUP Enhancement of Local Disaster Reporting and Response System	OBXs IT Solutions
90	GODDESS	Hundred Islands National Park Management System with Real-Time Motorized Banca Geolocation: Implementation of Smart Tourism	Pangasinan State University
91		Regional Consortia	Multiagency
92	Capability Development Program	Establishment of ParSU – MTL (Microbiology Testing Laboratory)	Partido State University - Goa
93	Capability Development Program	Establishment of Mindanao Natural (MinNa) Language Processing (LProc) Research and Development Laboratory	University of the Immaculate Conception



94	Capability Development Program	Establishment of an Artificial Intelligence Research Laboratory (IntellLab)	Camarines Sur Polytechnic College - Main
95		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
96		Production and Improvement of Construction Materials using Bacterial Calcite Precipitation	UP Diliman
97	Valorization of Coal Fly Ash: Resource Recovery of Critical and Strategic Elements, and Environmental Applications (VAL-CREE)	Recovery of Rare Earth Elements and Strategic Elements from Coal Fly Ash by Hydrometallurgical Techniques	Mindanao State University-Iligan Institute of Technology
98		DOST-CITEM INNOVATIVE FOOD PRODUCTS UNDER THE VALUE FOOD INNOVATION PROGRAM FOR IFEX 2021	Industrial Technology Development Institute (ITDI)
99	Ships Ballast Water and Biofouling Treatment Systems for Marine Vessels (SAILS) Program	Project 1. Port And Ballast Water Baselines Using Ecological, Microbiological And Edna Approaches (PORTEC)	University of the Philippines Manila
100		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 (FNRI)
101		Plant Protein Products from Local Sources	Industrial Technology Development Institute (ITDI)
102	Previous DOST-JSPS	Prediction of Long-Period Ground Motion in Megacities of the Philippines Critical to Seismic Safety of High-Rise Buildings	Philippine Institute of Volcanology and Seismology (PHIVOLCS)
103	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: Establishment of Iloilo Science and Technology University Technology Transfer Processes	Iloilo Science and Technology University
104	IP Management Program for Academic Institutions Commercializing Technologies (IMPACT)	IMPACT: SPRINGBOARD - Supporting Potential and Relevant IP as Next Generation Business Opportunities towards Acceleration of Research and Development	Batangas State University
105	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: Establishment of Knowledge, Innovation and Technology Transfer Processes of the Holy Angel University	Holy Angel University

106	Startup Development Program	STARTUP: Enhancement and Market Validation of ROBIN (A reverse vendo machine for collecting PET bottles and aluminum cans)	Robin Machine Manufacturing
107	FASTRAC (Funding Assistance for Spin-Off and Translation of Research in Advancing Commercialization)	FASTRAC: Enhancement and Market Validation of TITAN Vision-based Traffic Information & Analysis	De La Salle University
108	FASTRAC (Funding Assistance for Spin-Off and Translation of Research in Advancing Commercialization)	FASTRAC: Application of Geopolymer Technology as Eco-innovative Composite Products	De La Salle University
109	Startup Development Program	STARTUP: Enhancing the MSME Supply Chain Experience by Integrating Cold Chain Solutions in DeliverE 2.0	InsightSCS Corp.
110	IP Management Program for Academic Institutions Commercializing Technologies (IMPACT)	Enhancing the Technology Transfer Processes of the TUPV Intellectual Property and Technology Transfer Office (TIPTTO)	Technological University of the Philippines - Visayas
111	IP Management Program for Academic Institutions Commercializing Technologies (IMPACT)	IMPACT: The Enhancement of USTPs Intellectual Property Management and Establishment of Technology Commercialization Systems and Standards	University of Science and Technology of Southern Philippines
112		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
113		CAPPS: Development of an Alternative Ceramic Armor Plates from Philippine Silicates for Philippine Armed Personnel	Mindanao State University - Iligan Institute of Technology
114		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
115		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 (PHIVOLCS)

116		Liquefaction Hazard Assessment for Resilient Schools in GMMA: A Liquefaction Probabilistic Model using Non-Invasive Geophysical Techniques and Limited Probe Hole	Philippine Institute of Volcanology and Seismology (PHIVOLCS)
117	Terahertz Research and Innovation Program Leading to Commercially-Viable THz Time Domain Spectroscopy Systems	Project 4. THz Spectroscopic Fingerprinting of Controlled Substances Relevant to Human Health and Security	UP Los Baños
118		Chemical Synthesis and Characterization of Conducting Polymer/Metal Nanoparticles Composites, and their Application as a Chemiresistive Gas Sensor Array for H <sub>2</sub> S and CO <sub>2</sub>	University of Santo Tomas
119	Higher Education Institution Readiness for Innovation and Technopreneurship (HEIRIT)	HEIRIT: Establishment of Technology Business Incubation Facility of Mapua University	Mapua University
120	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: Establishment of Knowledge, Technology Transfer and Business Development Processes and Services in West Visayas State University	West Visayas State University
121	FASTRAC (Funding Assistance for Spin-Off and Translation of Research in Advancing Commercialization)	FASTRAC: VISSER: REFRESH (Redesigning for Remote Education, in School and at Home)	UP Diliman
122	FASTRAC (Funding Assistance for Spin-Off and Translation of Research in Advancing Commercialization)	Establishment of A Spin-Off Facility and Pilot Plant for Fruitect Coatings for Shelf-Life Extension of Fresh Fruit Produce	UP Los Baños
123	FASTRAC (Funding Assistance for Spin-Off and Translation of Research in Advancing Commercialization)	Establishment of A Spin-Off Facility and Pilot Plant for Hormogroe Nanoformulated Plant Growth Regulator for The Production of High Value Crops	UP Los Baños
124	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: IMPACT: Enhancing of the DOST-FNRI's Technology Transfer Office Policies and Processes	Food and Nutrition Research Institute (FNRI)
125	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: TRUE IMPACT: Technology and Research of USEP Enhanced through IMPACT	University of Southeastern Philippines
126	IP Management Program for Academic Institutions Commercializing Technologies (IMPACT)	IMPACT: Establishment of Technology Transfer and Utilization Processes and Services in Bulacan State University	Bulacan State University
127	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT)	HEIRIT: Adamson University Neo Science and Technology Incubation Center (AduNEST-INC)	Adamson University

128	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: Teknol InACT - Teknol Innovation Advancement through Commercialization and Technology Transfer	Cebu Institute of Technology - University
129	KTTO-IMPACT (IP Management Program for Academic Institutions Commercializing Technologies) Program	IMPACT: Strengthening Bicol University's IP Management Programs and Commercialization Strategies (BU-IPCom)	Bicol University
130	Startup Development Program	STARTUP: An Agriculture Technology Platform automated logistics booking for farmers and fisherfolks.	Agrabah Ventures Inc.
131	Regional Research Institution (RRI)	Development of Halal Compliant Restructured Goat Meat Products and Freeze-Dried Mango-Yogurt	Sultan Kudarat State University-Tacurong Campus
132	Regional Research Institution (RRI)	Design, Development, Testing and Implementation of Fuzzy-Proportional Plus Integral (PI) Power Factor Correction Controller (PFCC) for 10 kW Load.	Iloilo Science and Technology University
133	Regional Research Institution (RRI)	Utilization of Banana Peel, Canistel Fruit and Brown Rice in the Development of Composite Flour	Iloilo Science and Technology University
134	Regional Research Institution (RRI)	Application of Blockchain Technology to the Guimaras Mango Supply Chain	Iloilo Science and Technology University
135	Regional Research Institution (RRI)	Development of Optimized Pineapple Fiber Scraping Machine	Capiz State University
136		Balik Scientist Program	Multiagency
137		Total Quality Managemet Enterprise System	Multiagency

**Number of Projects Monitored  
(January - September 2021)**

	<b>Program Title</b>	<b>Project Title</b>	<b>Implementing Agency</b>
1	Smart Plant Production in Controlled Environments (SPICE)	Project 1. Standalone Urban Farm	UP Diliman
2	Smart Plant Production in Controlled Environments (SPICE)	Project 2. Sensor-based Monitoring and Analytics for Smart Hydroponics (SMASH)	UP Diliman
3	Smart Plant Production in Controlled Environments (SPICE)	Project 3. Establishment of Soilless Culture Technology for Urban Food Production	UP Diliman
4	Smart Plant Production in Controlled Environments (SPICE)	Project 4. Ex-Situ Conservation through Micropropagation Cryopreservation of Native Plant Species	UP Diliman
5		CATfish: A Modular Mini-Autonomous Underwater Vehicle System	UP Diliman
6		Liquefaction Hazard Assessment for Resilient Schools in GMMA: A Liquefaction Probabilistic Model using Non-Invasive Geophysical Techniques and Limited Probe Hole	Philippine Institute of Volcanology and Seismology (PHIVOLCS)
7	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	Philippine Institute of Volcanology and Seismology (PHIVOLCS)
8	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	University of Southeastern Philippines
9	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Support for the Establishment of TBI in Holy Angel University (HAU)	Holy Angel University
10		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 (PHIVOLCS)

11		Image Mapping of Energy Conversion Efficiency and Other Parameters Across Solar Cell Active Areas using Photoexcitation and Photothermal Effects	UP Cebu
12	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	UMasenso: Establishment of University of Mindanao Technology Business Incubation Facility and Services for Environmental Solutions	University of Mindanao
13	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Establishment of the DOST-CITU TBI: Wildcat Innovation Labs	Cebu Institute of Technology - University
14	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	Establishment of the DOST-TOMASInno Center TBI	University of Santo Tomas
15		Electrochemical and Quantum Mechanical Investigation of Various Small Molecule Organic Compounds as Corrosion Inhibitors in Mild Steel	De La Salle University
16		Development of Nanosilica-based Anti-Corrosion Coating Formulations for Carbon Steel Reinforcement Used in Farm Structures	UP Los Baños
17	BATTERY: Broadening Accumulator Tenable Time Extends Rechargeability Years	TUNER: Transmissometry Using Nonlinear Electrode Response	Technological Institute of the Philippines - Quezon City Campus
18	BATTERY: Broadening Accumulator Tenable Time Extends Rechargeability Years	Project SOUNDER: Sonic Oscillations Unleashing Nonconductive Deposits on Electrode Reactors	Technological Institute of the Philippines - Quezon City Campus
19		Recycling and Recyclability Index for Tricycles	Polytechnic University of the Philippines
20	FASTRAC	Alama Project: Technology Development, Commercialization and Promotion of Gitara ni Juan	UP Diliman
21	HeHigher Education Institution Readiness for Innovation and Technopreneurship (HEIRIT) Program	HEIRIT Establishment of the DOST technology Business Incubation in UP Mindanao	UP Mindanao
22	Ships Ballast Water and Biofouling Treatment Systems for Marine Vessels (SAILS) Program	Project 1. Port And Ballast Water Baselines Using Ecological, Microbiological And Edna Approaches (PORTEC)	De La Salle University
23		Development of Low Heat and Low Humidity (LH)2 Drying System for DOST Malnutrition Reduction Program (DOST-MRP) Facilities	Caraga State University
24		Development of a Smart Polymer Meta-Material for Wearable Biosensors	De La Salle University

25	SEA-EU (Southeast Asia-Europe Joint Funding Scheme)	Metal Oxide Hybrid Structured Barriers for Stable Energy Devices	De La Salle University
26		Unmanned Aerial System (UAS) with Passively Rotating Spherical Shell for Close-proximity Inspection of Infrastructure	Mindanao State University-Iligan Institute of Technology
27		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
28		Towards Leveling- up OneLab for Research, Development and Innovation ( <b>OneLab Transition</b> )	DOST Region IX
29		A COVID-19 Initiative: Development of Sixty-six (66) units of Specimen Collection Booth and Conduct of Testing and Data Gathering in Selected Areas	Futuristic Aviation and Maritime Enterprise, Inc.
30		Testing, Calibration, and Fabrication of NeuronVent System	Neuronmek Corp.
31	Integrated Food Safety Program	Project 6. Prevalence of Mycotoxin in Rice and Corn in the Philippines	National Food Authority-Food Development Center
32	Integrated Food Safety Program	Project 5. Prevalence of Heavy Metals and Pesticide Residues in Milled Rice and White Corn Grits in the Philippines	National Food Authority-Food Development Center
33		Engineering the Public Utility Vehicles (PUVs) Using an OEM Vehicle Platform	UP Diliman
34	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 simulation	Manila Observatory
35		Project 2. Multitemporal and Extremes Analysis of Modeled Climatology over the Philippines in the SEA Cordex Domain	
36		Project 3. Detecting Tropical Cyclones in a Downscaled Regional Climate Model for CORDEX-SEA	

37	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	HEIRIT: Establishment of DOST-BuSU BARAS TBI (Business Assistance for Research Acceleration and Sustainability Technology Business Incubator)	Bulacan State University
38	Natural Fibers as Nanostructured Scaffolds for Biomedical Applications	Project 2. Nanostructured Scaffolds from Natural Fibers as Platforms for Stem Cell Growth and Differentiation	UP Diliman
39	Integrated Food Safety Program	Risk Profiling of Hazards in Philippine Food to Support National Risk Management	Ateneo De Manila University
40		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 (FNRI)
41		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 (PAGASA)
42		Assessing the Contribution of Food Banking Systems in Addressing Food Security	Polytechnic University of the Philippines
43	CRADLE 2020	Valorization of Mature Coconut Water through Beverage Development	UP Diliman
44	Collaborative Research and Development to Leverage Philippine Economy (CRADLE)	PISOLAR: Payment Innovation for SHS Ownership by Lay Away Routine	University of Southeastern Philippines
45		Risk Profiling of Hazards	Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)
46	MECO-TECO	Marine and onshore geophysical investigations of the Manila subduction zone	University of the Philippines - Diliman
47		Extraction of Radionuclides, Rare Earths, and Other Valuable Industrial Elements from Phosphogypsum Tailings	Philippine Nuclear Research Institute (PNRI)
48	CRADLE	Development of De-Oiler Equipment for Deep Fried Peanuts and Garlic Chips	Bataan Peninsula State University



49	Science for Change (S4C): Accelerated R&D Program for Capacity Building of Research and Development Institutions and Industrial Competitiveness	Pilot Implementation Phase of the R&D Leadership (RDLead) Program	National Research Council of the Philippines (NRCP)
50	Accelerated R&D Program for Capacity Building of Research and Development Institutions and Industrial Competitiveness: Collaborative Research and Development to Leverage Philippine Economy (CRADLE)	Enhanced Forecasting Model for Complex Water Supply Systems of the East Service Area of Metro Manila	Asian Institute of Management (AIM)
51	STRAP Program	Pilot-Testing and Deployment of a Post Community Quarantine (CQ) Health Monitoring and Contact Tracing Online System for IT-BPM Sector	De La Salle University
52	Young Innovators Program	Fungal chitosan- based Microbeads: A Heavy Metal Soil-based biobiosorbent	Polytechnic University of the Philippines
53	Young Innovators Program	iTrashBin (Intelligent Trash Bin) Internet-of-Things Trash Bin for Quarantine and Isolation Facilities	Navotas National Science High School
54	Young Innovators Program	Shock Electrodialysis Apparatus (S.E.A.)	Philippine Science High School
55		Generalized Automated Microfluidics and Micro-actuator Assembly (GAMMA)	UP Diliman
56	Young Innovators Program	PROJECT LINGAP LANGHAP: Low-cost 3D Printed Air Purifier System using Agricultural Waste- Based Activated Carbon Filter	Philippine Science High School
57		Development of Inkjet CMYK Digital Printing Inks from Philippine Natural Dyes	Philippine Textile Research Institute (PTRI)
58	TBI 4.0 Program	Technology Business Incubator 4.0 for Region 4	University of the Philippines - Diliman
59	Higher Education Institution Readiness For Innovation & Technopreneurship (HEIRIT) Development Program for Starting TBIs	HEIRIT: Establishment of a Technology Business Incubator Establishment at Silliman University	Silliman University
60	Enhancement of the Competence and Capability of the National Metrology Laboratory of the Philippines	Project 3. Biological Metrology for Microorganisms in Food	Industrial Technology Development Institute (ITDI)
61	Accelerated R&D Program for Capacity Building of Research and Development Institutions and Industrial Competitiveness: Niche Centers in the Regions for R&D (NICER) Program	Establishment of Niche Center on Environmental Informatics for Central Visayas	UP Cebu
62	DOST Integrated Food Safety Program	Exposure Assessment of Food Chemical Contamination in Metro Manila: A Pilot Total Diet Study Approach	De La Salle University

63	Artificial Intelligence Program	Design and Development of Intelligent Traffic Control and Management System	Caraga State University
64		Development of a GAMMA Computed Tomography Imaging Device for Industrial Applications (GAIA)	Philippine Nuclear Research Institute
65	Good Governance through Data Science and Decision Support System (GODDESS) Program	Development of Error Resilient Joint Source-Channel Video Transmission System for High Efficiency Video Coding (HEVC) Standards over Wireless Channel	University of Santo Tomas
66		From Pest to Valued Commodity: Black-Chin Tilapia ( <i>Sarotherodon melanotheron</i> ) for the Development of Surimi-Based Products Processing	Bataan Peninsula State University
67		Deployment of Energy Monitoring Application and Network at DOST (DEMAND) as Demonstration Sites	Industrial Technology Development Institute
68	FASTRAC	MAPX: Manage Assets and Properties and Map for Visualization	University of Santo Tomas
69	Advanced Additive Manufacturing R&D Program (AMCen)	Development of Multiple Materials Platform for Additive Manufacturing (MATDEV)	Industrial and Technology Development Institute (ITDI)
70	Advanced Additive Manufacturing R&D Program (AMCen)	Research on Advanced Prototyping for Product Innovation and Development using Additive Manufacturing Technologies (RAPPID-ADMATEC)	Metals Industry Research and Development Center (MIRDC)
71	TBI 4.0 Program	Upgrading and Capability-Enhancement of Animo Labs TBI	De La Salle University
72		Application of Radiation Techniques in the Geochemical Characterization of Cobalt and other Valuable Metals in the Selected Metallic Deposits	Philippine Nuclear Research Institute (PNRI)
73		Establishment of Metals and Engineering Innovation Centers in Cordillera Administrative Region (CAR), Regions I, II, III and X	Metals Industry Research and Development Center (MIRDC)
74		PATURO: Platform for Assessment and Tracking of Urbanization-Related Opportunities	Asian Institute of Management (AIM)
75		CARRAGEEN 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
76	DLSU-AKP-DOST CRADLE	Integrated Flywheel Energy Storage Management System	De La Salle University

77		Determination of Optimal Placement of Electric Vehicle Charging Stations in a Local Public	UP Diliman
78	Materials for Sustainable Construction and Recyclables Applied to Projects (M-SCRAP)	Project 2. Green Fiber-reinforced Polymer (FRP) Composites as an Innovative Repair System for Earthquake-prone Historical Buildings	De La Salle University
79		Progressive Advancement of Transportation networks through the Integration of vehicular Onboard Technologies with online platforms (ArangKaDATA)	UP Diliman
80		MR. Tour Guide: A Cultural Adaptive Mapping Platform using Mixed Reality	Batangas State University
81	R&D Block Grant: S&T for a Resilient Community Against the Pandemic (STRAP)	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
82	Good Governance through Data Science and Decision Support System (GODDESS) Program	Development of Iloilo Province Employment Portal and Services (IPEPS) with Data Analytics	Iloilo Science and Technology University (ISAT U)
83	IP Management Program for Academic Institutions Commercializing Technologies (IMPACT)	Enhancing the Technology Transfer Processes of the TUPV Intellectual Property and Technology Transfer Office (TIPTTO)	Technological University of the Philippines - Visayas
84		Kapok fibers absorbent with customizable hydrophobicity/hydrophilicity for oily water and wastewater treatment	UP Diliman
85		Sustainable Technology - Assisted Route Planning for Region VI (STARPLAN VI)	De La Salle University
86		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
87	INTEGRated Applications for Transport Efficiency Development (INTEGRATED)	Design, development, demonstration and business planning of a FLeXible Electric Van (FLEV) for logistics and passenger transport use	De La Salle University
88	CRADLE 2018	Enhancement and Market Validation of Plasma Enhanced Chemical Vapor Deposition industrial Prototype for Nitride-Based Coatings	UP Diliman

89	Support to the Sustainable Environmental Management in Malay, Aklan	Development of a Compact Wastewater Treatment System for Restaurants in Boracay Island	Industrial and Technology Development Institute (ITDI)
90		Pilot Study for Integrating Microgrid and Distributed Renewable Energy Sources for an Electric Cooperative	UP Diliman
91	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	Ateneo De Manila University
92	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	Mapua University
93	Transforming Philippine MSMEs Through Industry 4.0 Technologies	Establishment of Advanced Mechatronics, Robotics, and Industrial Automation Laboratory (AMERIAL) in Support of the Metals and Engineering Industry	De La Salle University
94	BATTERY: Broadening Accumulator Tenable Time Extends Rechargeability Years	SOUNDER: Sonic Oscillations Unleashing Nonconductive Deposits on Electrode Reactors	Technological Institute of the Philippines - Quezon City Campus
95	TBI 4.0 Program	Evolution of UPScale from Local to Global Incubation	UP Diliman
96		Smarter Philippines through Data Analytics R&D, Training and Adoption (SPARTA)	Development Academy of the Philippines
97		Development of Biodegradable Nanofiber Filters As An Active Material For Medical-Grade Facemask	University of San Carlos - Talamban Campus
98	IP Management Program for Academic Institutions Commercializing Technologies (IMPACT)	IMPACT: Fostering Innovation to Galvanize HEIs Tech Transfer (FIGHTT) - Saint Louis University	Saint Louis University
99		Investigation and numerical modeling of Philippine tsunamis based on historical, geomorphological and geological evidence of past earthquakes	UP Diliman
100	Sustained Support for Local Space Technology & Applications Mastery, Innovation and Advancement (STAMINA4Space)	Project 1. Optical Payload Technology In-depth Knowledge Acquisition and Localization (OPTIKAL)	DOST Region IV-A
101	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)	UP Diliman
102		Customer Focused DARIUS II	DOST Region IV-A

103		Development of Draft Standards and Recommended Code of Practice for Processing of Peanut Butter	Industrial Technology Development Institute
104	DOST-JSPS 2019	Design of Highly Active Kapok Fiber Electrodes for Energy Applications	UP Diliman
105		Secured Command and Control (C2) Communication System	Holy Angel University
106	Packaging Technology	Upgrading and Enhancing the Capacity of the Packaging Technology Division in Packaging Research and Innovation	Industrial Technology Development Institute (ITDI)
107		Understanding Lightning and Thunderstorms for Extreme Weather Monitoring and Information Sharing (ULAT)	Advanced Science and Technology Institute (ASTI)
108	e-Asia Joint Research Program	Fundamental study of the physical properties of metal-oxide single nanowires and nanoparticles for bio-nano-sensing	De La Salle University
109		Photoluminescent Metal Nanocluster to Detect, Disinfect, and Suppress the Spread of Coronavirus and other Microorganisms	De La Salle University - Laguna Campus
110	Geospatial Information Management & Analysis Program (GIMAP)	Geospatial Information Management & Analysis Project for Hazards & Risk Assessment in the Philippines (Georisk PH)	PHIVOLCS
111		Imahe Labs: An Educational Game for Chemistry in the Senior High School and Junior High School sectors of Baguio City	University of the Cordilleras
112	Science, Technology and Innovations for Productivity and Competitiveness Program	Nurturing Interest in STEM Among Filipino Learners Using Minecraft	Ateneo de Manila University
113		Fabrication and Characterization of Hydrophobic Nanocomposite Plated Abaca Fabric for Enhanced Electromagnetic Interference Shielding (EMI-SE) and Thermal Resistance (TR) for Spacesuits Application	UP Los Baños
114	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	Bicol University
115	HEIRIT	Establishment of the DOST-CITU TBI Wildcat Innovation Labs	Cebu Institute of Technology University

116	HeiRIT Development Program	Establishing the Sabatan: The Nueva Vizcaya State University Technopreneurs Hub	Nueva Vizcaya State University
117	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	Philippine Nuclear Research Institute
118	Materials for Sustainable Construction and Recyclables Applied to Projects (M-SCRAP)	Project 1. Development of Fiber-Reinforced Self-Compacting Concrete (SFRSCC) for corrosion reduction	Far Eastern University - East Asia College
119		Design of a Modular Stator, Segmented Rotor Switched Reluctance Motor	UP Diliman
120	IP Management Program for Academic Institutions Commercializing Technologies (IMPACT)	Establishment of Technology Management System at University of the Philippines Mindanao	UP Mindanao
121		Development of Grading System for Adoption of Food Establishments in the Philippines	Industrial Technology Development Institute (ITDI)
122		Environmental, Health and Safety Research in the Risk Assessment of Nanomaterials (Phase 1)	Industrial Technology Development Institute (ITDI)

**List of Partners/Implementing Agencies  
(January - September 2021)**

1	Asian Institute of Management
2	Ateneo de Manila University
3	Bataan Peninsula State University
4	Cebu Institute of Technology University
5	De La Salle University
6	Futuristic Aviation and Maritime Enterprise, Inc.
7	Holy Angel University
8	Isabela State University
9	Mindanao State University-Iligan Institute of Technology
10	Miriam College
11	National Food Authority-Food Development Center
12	Neuronmek Corp.
13	Nueva Vizcaya State University
14	Samar State University
15	Technological Institute of the Philippines - Quezon City Campus
16	University of Asia and the Pacific
17	University of Mindanao
18	University of Santo Tomas
19	University of Southeastern Philippines
20	University of the Cordilleras
21	UP Baguio
22	UP Cebu
23	UP Diliman
24	UP Los Baños
25	UP Mindanao
26	Advanced Infinit Technology Solutions Inc.
27	Ateneo De Davao University
28	Batangas State University
29	Bicol University
30	BizKit Technologies Inc.
31	Bizooku Philippines Inc.
32	Burket.Ph, Inc.

33	Cagayan State University
34	Camarines Sur Polytechnic College - Main
35	Caraga State University
36	CAWIL.AI
37	De La Salle University - Laguna Campus
38	Development Academy of the Philippines
39	Don Mariano Marcos Memorial State University
40	Far Eastern University - East Asia College
41	Iloilo Science and Technology University
42	IOL Inc.
43	Lesstics Inc.
44	Lyceum Northwestern University
45	Manila Observatory
46	Mapua University
47	Maranga Software Solutions
48	Mines and Geosciences Bureau
49	Navotas National Science High School
50	Nueva Vizcaya State University
51	OBXs IT Solutions
52	Pangasinan State University
53	Partido State University - Goa
54	Philippine Foundation for Science and Technology (PFST)
55	Polytechnic University of the Philippines
56	Saint Louis University
57	Silliman University
58	Technological Institute of the Philippines
59	Technological University of the Philippines - Visayas
60	Tinkerhouse, Inc.
61	University of San Carlos - Talamban Campus
62	University of the Immaculate Conception
63	Urdaneta City University
64	Adamson University
66	Agrabah Ventures Inc.
67	Bulacan State University



68	Capiz State University
69	Central Luzon State University
70	Central Mindanao University
71	Eastern Visayas State University
72	Father Saturnino Urios University
73	InsightSCS Corp.
74	Kalinga State University
75	Mariano Marcos State University
76	Mataverse Incorporated
77	Robin Machine Manufacturing
78	San Carlos College
79	Sultan Kudarat State University-Tacurong Campus
80	University of Science and Technology of Southern Philippines
81	UP Manila
82	West Visayas State University
83	Western Institute of Technology