

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **ONE (1) SCIENCE & TECHNOLOGY FELLOW I** (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: Department of Science and Technology, Food and Nutrition Research Institute (for NFRDD)

Education	<p>Master's Degree in Data Science / Data Science (Analytics) Program, Computer Science, Mathematics, Statistics, and other related courses</p> <p>Preferably has knowledge/skills and experience in at least one the following areas of Data Science: Machine Learning, Artificial Intelligence, Data Mining, Data Modeling, Big Data Analytics; Has strong programming skills (e.g. Python or R), and hands-on experience in SQL database coding</p>
Experience	<p>With at least one (1) year of productive professional R&D work or equivalent after completion of MS.</p> <p>Experience in implementing at least one (1) R&D project related to the data science as Co-investigator or Primary investigator would be an advantage.</p>
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/dissertation)
Scope of Work	<ol style="list-style-type: none">1. Lead in the implementation of the Food and Nutrition 4.0 program proposal involving multiple projects aligned with artificial intelligence, cloud computing, data mining and analytics, data visualization, Internet of Things, etc. The said program will have an interagency and inter-division collaborations2. Collects and analyzes statistics and information from multiple sources to spot trends and to gain maximum insight that can give the Institute a competitive advantage, and communicates informed conclusions and recommendations across an organization's leadership structure;3. Strategizes and identifies unique opportunities to locate and collect new data, explores and mines data from many angles, and determines what it means;4. Communicates data findings to both business and IT leaders to influence how an organization approaches and meets business challenges of an evolving customer base and changing marketplace, using strong business acumen;5. Designs, modifies, and builds new data processes; and builds large, complex data sets.

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Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: Department of Science and Technology, Food and Nutrition Research Institute (for NFRDD-Food Quality and Safety)

Education	Master's Degree on Food Science and/or Chemistry
Experience	<p>With at least three (3) years of productive professional R&D work after completion of MS.</p> <p>Must have implemented at least one (1) R&D project as Project Leader.</p> <p>Preferably has knowledge and experience in food quality and safety, risk analysis, and chemical analysis (knowledge on food safety testing and analysis is a major advantage).</p> <p>Must have hands-on experience on the operation and troubleshooting of LC-MS/MS.</p> <p>Has excellent analytical, communication, time management, and organizational skills.</p>
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Undertake independent and/or collaborative food quality and safety research as directed by the Supervisors, Chief and Director;2. Performs method validation and/or verification of chemical analyses using LC-MS/MS technique;3. Contributes to drafting of proposals, peer-reviewed, publications and other technical publications;4. Prepares worksheet and reports of analysis;5. Monitors and records the overall working environment of the assigned laboratory;6. Provides inputs in the establishment of sampling plan/design of the research project;7. Assists in the organization of technical and consultative meetings;8. Conducts inventory management of lab equipment and supplies;9. Prepares work plan and schedule for research project;10. Monitors project progress on regular basis and report the same to the management;11. Identifies delays and deviations and revises the work plan accordingly to ensure timely completion; and12. Reviews and recommends improvements to existing research methodologies.

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Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: Department of Science and Technology, Food and Nutrition Research Institute (for NAMD)

Education	<p>Master's Degree in Computer Courses with strong studies/background in Data Modeling/Warehousing and Database Administration</p> <p>Preferably has knowledge/ skills and experience in the following areas of Data Warehouse, Business Intelligence, SQL, Database Management and Reporting and Project management</p>
Experience	<p>With at least three (3) years of productive professional R&D work after completion of MS.</p> <p>Must have implemented at least one (1) R&D project as Project Leader.</p>
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none"> 1. Lead in the final packaging and implementation of the ICT program/project proposal involving multiple projects aligned with artificial intelligence, cloud computing, data mining and analytics, data visualization, Internet of Things, etc. The said program will have an interagency and inter-division collaborations 2. Design, implement, and oversee database management projects, making sure projects stay on time and within budget. 3. Monitor databases to ensure they function properly and security protections are up to date. 4. Provide information about the capabilities of database systems and help employees learn how to use new systems or features. 5. Manage database administrators and other IT personnel in developing, maintaining, and troubleshooting data storage systems.

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Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: Department of Science and Technology, Food and Nutrition Research Institute (For NAMD and MIS)

Education	Master's Degree in Computer Engineering, Information Technology and other related courses Preferably has knowledge/ skills and experience in the following areas of Cloud Architecture, Python, Agile Software Development and Big Data Analytics
Experience	With at least two (2) years of productive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.
Training	Sixteen (16) hours of relevant training
Eligibility	Certification in IT is an advantage
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Researches, designs, develops, runs tests, and evaluates systems that support cloud implementation and integrates with cloud service providers, applying principles and techniques of computer science, engineering, and mathematical analysis.2. Plans and conducts technical tasks associated with the implementation and maintenance of internal cloud enterprise-shared virtualization infrastructure.3. Develops and executes cloud solution roadmaps as they relate to business and executes company strategy to drive the achievement of business objective.

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Agency or Council of Assignment: Department of Science and Technology, Food and Nutrition Research Institute (ICT Committee*/MIS)

Education	<p>Master’s Degree in Data Science/Data Science (Analytics) Program, Mathematics, Statistics, Computer Science and other related courses</p> <p>Preferably has knowledge/ skills and experience in the following areas of Phyton, Data Modeling, Data Mining, SQL and Big Data Analytics</p>
Experience	<p>With at least two (2) years of productive professional R&D work after completion of MS.</p> <p>Must have implemented at least one (1) R&D project as Project Leader.</p>
Training	Sixteen (16) hours of relevant training
Eligibility	Certification in IT is an advantage
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none"> 1. Lead in the implementation of the Food and Nutrition 4.0 program proposal involving multiple projects aligned with artificial intelligence, cloud computing, data mining and analytics, data visualization, Internet of Things, etc. The said program will have an interagency and inter-division collaborations 2. Collects and analyzes statistics and information from multiple sources to spot trends and to gain maximum insight that can give the Institute a competitive advantage, and communicates informed conclusions and recommendations across an organization's leadership structure; 3. Strategizes and identifies unique opportunities to locate and collect new data, explores and mines data from many angles, and determines what it means; 4. Communicates data findings to both business and IT leaders to influence how an organization approaches and meets business challenges of an evolving customer base and changing marketplace, using strong business acumen; 5. Designs, modifies, and builds new data processes; and builds large, complex data sets.

* meant to be shared with all divisions with projects in the F&N 4.0 program

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Position Title: **SCIENCE & TECHNOLOGY FELLOW I** (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-ASTI

Education	Master Degree in <u>Computer Engineering / Computer Science / Information Technology or any relevant field</u> Preferably artificial intelligence engineer
Experience	With at least three (3) years of productive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Conduct research studies, specifically on Artificial Intelligence;2. Prepare technical reports on the results of the research study;3. Create and manage AI development processes and overall infrastructure of the project;4. Develop infrastructures for data information and ingestion;5. Design AI models;6. Collaborate with other agencies to design, develop, test, document and field digital RF electronic systems for application such as spectrum monitoring, wireless communication, geolocation, and military spectrum operations7. Effectively secure and manage project funds;8. Coordinate communication and dissemination plan to the head of the agency;9. Coordinate technology transfer;10. Lead embedded software development, hardware interfacing, prototyping, bench testing and documentation

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Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-ASTI

Education	Master Degree in <u>Electronics Engineering / Electronics Communications Engineering / Computer Engineering / Electrical Engineering / Applied Physics or equivalent field</u> Preferably product management of software R&D and systems engineering products
Experience	With at least three (3) years of productive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Defines the product vision, strategy, and roadmap;2. Gathers, manages, and prioritizes market/customer requirements.3. Conduct research studies, specifically on engineering product;4. Prepare technical reports on the results of the research study;5. Develop strategy in the prioritization of the product goals;6. Responsible for developing ideas to deliver the expectations of clients;7. Coordinate communication and dissemination plan to the head of the agency;8. Coordinate developments of the products;9. Act on feedback and data analysis10. Coordinate technology transfer.

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Position Title: **SCIENCE & TECHNOLOGY FELLOW I** (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-FPRDI

Education	Master Degree in <u>Industrial Design/Product Design</u> Preferably Major: N/A
Experience	With at least three (3) years of productive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Formulate new concept, ideas and project for the advancement of forest products utilization.2. Operate, maintain and troubleshoot advance wood working machines.3. Conduct R&D for forest product utilization4. Prepare publishable material for scientific paper publication5. Perform analytical and engineering approach for product, process or material development related to forest products6. Facilitate laboratory operation and processes7. Perform training and seminars for the current technologies globally in forest products utilization.

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Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-FPRDI

Education	Master Degree in <u>Material Science and Engineering</u> Preferably Nanotechnology/ Nanocomposites
Experience	With at least three (3) years of productive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Design and develop R&D proposals/plans, programs, projects and studies in accordance with approved R&D designs and standards; DOST Priority Programs; and DOST-HNRDA with a clear iteration of objectives, target audiences, deliverables, and monitoring and evaluation under the Human Security and Defense R&D Program.2. Conducts independent, original and advanced R&D studies under the Human Security and Defense R&D Program3. Assists the Program Leader on the R&D programs/projects and work of researchers and support staff under the Human Security and Defense R&D Program.4. Supervise junior researchers by giving regular guidance and direction, reviewing processes to ensure meeting the research objectives, monitoring and ensuring the quality of results. Identify and consider complementary skills of researchers, ensures opportunities for development, and builds a balanced team.5. Secure project funds, resource generation and new funding opportunities, and provides accountability to grant and funding institutions.6. Work with the institute and department communications group to design and implement effective means to disseminate research results.7. Build relationships with research partners and key grant sources, and help strengthen existing partnerships, including with other government agencies, private organizations, academic and research institutions, and other relevant partners.8. Prepares highly scientific and technical papers for ISI publications and for presentations to seminars, conferences, and for a related to the Human Security and Defense R&D Program.9. Attend to trainings, meetings and conferences and other related activities relevant to the Institute.10. Performs other duties as may be assigned by higher authorities.

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Position Title: **SCIENCE & TECHNOLOGY FELLOW I** (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-ITDI

Education	Master Degree in <u>Food Science</u> Preferably Food Processing and Manufacturing Plant Operations
Experience	With at least three (3) years of productive professional R&D work after completion of MS. Must have experience in Manufacturing Plant Operation. Must have implemented at least one (1) R&D project as Project Leader, preferably a related project to the products developed or processing equipment units available at the MMIC.
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none"> 1. Should be able to develop new product prototypes, especially from by-products of commercial operations; agricultural wastes, by-products, and surplus including export off specs and underutilized agricultural produce. 2. Should be able to conduct product testing and characterization of the newly developed products. 3. Can translate product prototypes into scale-up production-ready for the adoption of industry and entrepreneurs with energy efficiency and environmental soundness contexts. 4. Can assist Supervisor, Senior Researchers, and Technical Staff in the planning/scheduling equipment, utilities & human resources requirements, operations, troubleshooting, maintenance, and repair of equipment activities, as needed/required.

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Position Title: **SCIENCE & TECHNOLOGY FELLOW III** (SG 25)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-ITDI

Education	<p>Doctoral Degree in <u>Microbiology, Molecular Biology, Biochemistry or related fields</u></p> <p>Preferably a graduate of Doctor of Veterinary Medicine or with a Ph.D. degree in Veterinary Medicine, Virology, Microbiology, Molecular Biology, Biochemistry, or related fields.</p>
Experience	<p>With at least ten (10) years of productive professional R&D works.</p> <p>Must have implemented at least two (2) R&D projects as Project Leader. Can be a fresh Ph.D. graduate.</p>
Training	Thirty-two (32) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least three (3) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Overall supervision of VIP projects on animals2. Create a work plan/roadmap for the VIP in relation to activities on animal virology3. Identify priority animal viruses based on their geographic distribution, incidence, and effects on production,4. Supervise research on identified animal viruses, including but not limited to:<ul style="list-style-type: none">- Determine the etiology, epidemiology, and control of animal virus diseases;- Develop biological and molecular tools for effective characterization and diagnosis of viruses/strains and to study host-pathogen interactions;- Develop effective screening and rating methods to support the development of improved breeding lines- Identify sources of resistance to viruses infecting livestock- Work with animal research institutes and molecular biologists to determine the mechanisms of virus disease resistance and develop virus resistance or utilizing other novel resistance mechanisms;- Work with the relevant agencies to develop and disseminate integrated disease management packages.5. Create strategic networking among scientists, national agricultural research and extension systems, advanced research institutes, and other partners in advancing virus research and the impact of research results.6. Train, mentor and supervise graduate students, postdoc and staff of partner organizations to build capacity in all aspects of virus research.7. Present and publish research outputs in peer-reviewed journals and other appropriate formats.

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| | <ol style="list-style-type: none">8. Prepare, coordinate and develop grant proposals for multidisciplinary research and development projects for the VIP.9. Other tasks that the virology team may require. |
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Position Title: **SCIENCE & TECHNOLOGY FELLOW III** (SG 25)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-ITDI

Education	<p>Doctoral Degree in <u>Virology, Microbiology, Molecular Biology, Biochemistry, or related fields.</u> Preferably with a Postdoc in Virology, Microbiology, Molecular Biology, or related fields.</p>
Experience	<p>With at least ten (10) years of productive professional R&D work. Must have implemented at least two (2) R&D projects as Project Leader. Can be a fresh Ph.D. graduate.</p>
Training	<p>Thirty-two (32) hours of relevant training</p>
Eligibility	<p>PD 997 / RA 1080 / Career Service Professional</p>
Publications	<p>Must have at least three (3) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)</p>
Scope of Work	<ol style="list-style-type: none"> 1. Overall supervision of VIP projects on humans 2. Create a work plan/roadmap for the VIP in relation to activities on human virology 3. Identify priority human viruses based on their geographic distribution, incidence, and effects on production and yield. 4. Supervise research on identified human viruses, including but not limited to: <ul style="list-style-type: none"> - Determine the etiology, epidemiology, and control of human virus diseases; - Comprehensive immunological studies on human-virus interaction; - Develop biological and molecular tools for effective characterization and diagnosis of viruses/strains and to study host-pathogen interactions; parasitic, other neglected/emerging tropical diseases that are non-virus - Work with biomedical research institutes and molecular biologists to determine the mechanisms of virus disease resistance and develop virus resistance or utilizing other novel resistance mechanisms; - Work with relevant agencies to develop and disseminate integrated disease management packages. 5. Create strategic networking among scientists, national agricultural research and extension systems, advanced research institutes, and other partners in advancing virus research and the impact of research results. 6. Train, mentor and supervise graduate students, postdoc and staff of partner organizations to build capacity in all aspects of virus research. 7. Present and publish research outputs in peer-reviewed journals and other appropriate formats. 8. Prepare, coordinate and develop grant proposals for multidisciplinary research and development projects for the VIP. 9. Other tasks that the virology team may require.

Department of Science and Technology

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Position Title: SCIENCE & TECHNOLOGY FELLOW I (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PNRI

Education	Master's Degree in <u>Physics or Nuclear Engineering</u> Preferably with specialization in project management in construction, contract management, and over-all implementation of project associated with the establishment of a nuclear facility; with experience in teaching nuclear engineering subjects
Experience	With at least three (3) years of productive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Assist in proposing, planning, managing, and implementing projects associated with nuclear facilities;2. Assist in implementing nuclear education projects and activities3. Conduct research and development in nuclear science; and technology, particularly in reactor engineering;4. Train new researchers and educators in the field of nuclear science and technology.

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Position Title: SCIENCE & TECHNOLOGY FELLOW I (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PNRI

Education	Master's Degree in Engineering Preferably with specialization in programmable logic control (plc)
Experience	With at least three (3) years of productive professional R&D work after completion of MS
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Provide training on PLC programming (lecture and hands-on)2. Assist in designing PLC for liquid handling system and irradiators3. Assist in reprogramming existing PLC4. Assist in proposing, planning, managing, and implementing projects associated with irradiation facilities5. Conduct research and development in the field of radiation processing using PLC

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Position Title: SCIENCE & TECHNOLOGY FELLOW I (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PNRI

Education	Master's Degree in <u>Physics or Nuclear Engineering</u> Preferably with specialization in Monte Carlo simulation
Experience	With at least three (3) years of productive professional R&D work after completion of MS
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Provide training on Monte Carlo simulation2. Conduct Monte Carlo simulation of the dose distribution in Electron Beam and gamma irradiation rooms, samples/products, and others3. Assist in proposing, planning, managing, and implementing projects associated with the irradiation facilities4. Conduct research and development in nuclear science using Monte Carlo simulation software, particularly in the field of radiation processing and protection

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Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PNRI

Education	Master's Degree in <u>Chemistry or Materials Science or Chemical Engineering</u> Preferably with specialization in polymer processing (synthetic polymers, extrusion, injection molding, etc.)
Experience	With at least three (3) years of productive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Assist in proposing, planning, managing, and implementing projects associated with the use of nuclear and radiation technology in plastic recycling and reutilization2. Assist in processing of irradiated polymers using different techniques, such as extrusion, casting, molding, etc.3. Conduct research and development in radiation science and technology, particularly in polymer processing

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Position Title: SCIENCE & TECHNOLOGY FELLOW III (SG 25)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PNRI

Education	Doctoral Degree in <u>Natural or Physical Science</u> Preferably registered chemist with extensive experience in Analytical and Environmental Chemistry
Experience	With at least ten (10) years of productive professional R&D work. Must have implemented at least two (2) R&D projects as Project Leader. Can be a fresh PhD graduate
Training	Thirty-two (32) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least three (3) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Assist/Conduct R&D utilization, promotion and technology transfer of nuclear and isotope analytical techniques (NATs) in various applications2. Develop training materials on NATs and its various applications

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Position Title: **SCIENCE & TECHNOLOGY FELLOW I** (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PTRI

Education	Masters Degree in Materials Chemistry, Material Science and Engineering, Polymer Chemistry, Textile and Fiber Science or other relevant specialization For textile polymer R&D
Experience	With at least three (3) years of productive and extensive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least two (2) papers published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Ideate, develop and obtain (immediately) funding for at least one (1) project on textile biopolymers R&D for at least 2 years of implementation2. Establish at least two (2) industry linkages on the raw material mobilization and the biopolymer production and utilization3. Develop the technology quality, communication, and commercialization plans/strategies4. Assist to establish and operationalize the Textile Biopolymers Innovation Lab in the Institute5. Actively participate in the refinement and harmonization of the Textile Biopolymers R&D/S&T Roadmap6. At least one (1) publication in an ISI-listed journal per year as the main author with IF not lower than 1.7. At least one (1) IP (Patent or Utility Model) filed per year8. At least one (1) presentation at least in a national academic conference per year9. Others as may be applicable/provided by the internal policies of the Institute governing R&D activities and IP

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Position Title: **SCIENCE & TECHNOLOGY FELLOW II** (SG 24)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PTRI

Education	Masters Degree in Materials Chemistry, Material Science and Engineering, Polymer Chemistry, Textile and Fiber Science or other relevant specialization For Biomedical Textiles
Experience	With at least five (5) years of productive and extensive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.
Training	Twenty-four (24) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least two (2) papers published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Ideate, develop and obtain (immediately) funding for at least one (1) project on textile biopolymers R&D for at least 2 years of implementation2. Establish at least two (2) industry linkages on the raw material mobilization and the biopolymer production and utilization3. Develop the technology quality, communication, and commercialization plans/strategies4. Assist to establish and operationalize the Textile Biopolymers Innovation Lab in the Institute5. Actively participate in the refinement and harmonization of the Textile Biopolymers R&D/S&T Roadmap6. At least one (1) publication in an ISI-listed journal per year as the main author with IF not lower than 1.7. At least one (1) IP (Patent or Utility Model) filed per year8. At least one (1) presentation at least in a national academic conference per year9. Others as may be applicable/provided by the internal policies of the Institute governing R&D activities and IP

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW I** (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-MIRDC

Education	Masters Degree in <u>Material Science and Engineering</u> Preferably in the field of Semiconductors and Electronics
Experience	With at least three (3) years of productive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	1. Research on raw materials for additive manufacturing 2. Development of anatomical models using additive manufacturing 3. Research on the application of additive manufacturing in semiconductors and electronics

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW I** (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCHR

Education	Masters Degree in <u>Technology Management, LI.M. in Intellectual Property Law, Business Administration, or any life science graduate studies</u>
Experience	<p>With at least three (3) years of productive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.</p> <p>Must have led successful commercialization efforts of a pharmaceutical product or medical device, either thru licensing or creation of a startup firm</p> <p>Must have working knowledge of Philippine and international FDA laws on product registration</p> <p>Familiar with the Philippine startup ecosystem</p>
Training	<p>Sixteen (16) hours of relevant training</p> <p>Preferably in the areas of intellectual property management or technology commercialization</p>
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none"> 1. Provide expertise and technical support on the technology transfer and commercialization program of the PCHR. 2. Lead the conceptualization, planning, and execution of S&T activities on the IP and technology management program 3. Coordinate the systematic and periodic evaluation and monitoring of IP and technology management programs of the Council 4. Provide technical assistance to co-workers/peers on IPTM team and PCHR Executive Director 5. Performs other related IP and technology management duties that may be assigned from time to time by the PCHR Executive Director.

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW II** (SG 24)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCHR

Education	Masters Degree in <u>Epidemiology, Public Health, medical and other health allied graduate studies</u> Preferably infectious disease, epidemiology
Experience	With at least five (5) years of productive and extensive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.
Training	Twenty-four (24) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least two (2) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Provide expertise and technical support on the Re-Emerging and Emerging Diseases program of the PCHR.2. Provide strategic inputs and recommendations during conceptualization, planning, execution, and evaluation of S&T activities (including programs and projects) related to the Re-Emerging and Emerging Diseases program.3. Provide technical assistance to the Re-Emerging and Emerging Diseases team through other related functions such as protocol reviews/writing, literature search and reviews, proposal presentations, and project completion.4. Performs other program-related duties that may be assigned from time to time by the PCHR Executive Director.

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW II** (SG 24)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCHR

Education	Masters Degree in <u>Public Health, medical and other health allied graduate studies</u> Preferably with experience in institutional and capacity-building activities
Experience	With at least five (5) years of productive and extensive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.
Training	Twenty-four (24) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least two (2) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Provide expertise and technical support on the Regional Strengthening program of the PCHR.2. Provide strategic inputs and recommendations during conceptualization, planning, execution, and evaluation of S&T activities (including programs and projects) related to the Regional Strengthening program.3. Provide technical assistance to the Regional Strengthening team through other related functions such as protocol reviews/writing, literature search and reviews, proposal presentations, and project completion.4. Performs other program-related duties that may be assigned from time to time by the PCHR Executive Director.

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW II** (SG 24)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCHRD

Education	Masters Degree in <u>Epidemiology, Public Health, Environmental Health, medical and other health allied graduate studies</u> Preferably health emergency, disaster, and climate change adaptation
Experience	With at least five (5) years of productive and extensive professional R&D work after completion of MS. Must have implemented at least one (1) R&D project as Project Leader.
Training	Twenty-four (24) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least two (2) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Provide expertise and technical support on the Disaster Risk Reduction-Climate Change Adaptation in Health program of the PCHRD.2. Provide strategic inputs and recommendations during conceptualization, planning, execution, and evaluation of S&T activities (including programs and projects) related to the DRR-CCA in Health program.3. Provide technical assistance to the DRR-CCA in Health team through other related functions such as protocol reviews/writing, literature search and reviews, proposal presentations, and project completion.4. Performs other program-related duties that may be assigned from time to time by the PCHRD Executive Director.

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW III** (SG 25)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCHRD

Education	Doctoral Degree in <u>Virology, Immunology and Infectious</u> Preferably virology and infectious disease
Experience	With at least ten (10) years of productive professional R&D works. Must have implemented at least two (2) R&D projects as Project Leader. Can be a fresh PhD graduate.
Training	Thirty-two (32) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least three (3) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Provide expertise and technical support on the COVID-19 program of the PCHRD.2. Provide strategic inputs and recommendations during conceptualization, planning, execution, and evaluation of S&T activities (including programs and projects) related to the COVID-19 program.3. Provide technical assistance to the COVID-19 team through other related functions such as protocol reviews/writing, literature search and reviews, proposal presentations, and project completion.4. Performs other program-related duties that may be assigned from time to time by the PCHRD Executive Director.

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW III (SG 25)**

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCIEERD Construction Sector

Education	Preferably PhD in Engineering with specialization either on Construction Management, Coastal Engineering, Earthquake Engineering, Structural Engineering Geodetic Engineering, Water Resources Engineering
Experience	<p>At least ten (10) years of productive professional research and development (R&D) work in transport</p> <p>A recognized expert either in the field of construction management, coastal engineering, earthquake engineering, structural engineering, geodetic engineering, geotechnical engineering, wind engineering or water resources engineering</p>
Training	Thirty-two (32) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least two (2) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none"> 1. Conduct industry profiling, identify innovation gaps, technology scanning, comparative assessment and sectoral S&T roadmapping in the following areas: construction services, innovative construction materials, construction equipment, housing/building technologies, 2. Assist the Council and the established/proposed NICER centers: earthquake, coastal, water resources, underground, wind tunnel and mountain engineering in the development of sub-sectoral S&T roadmap or in the identification of S&T research priority for each Centers to ensure its continuous operation and sustainability towards becoming a National Research Center 3. Conduct an assessment of completed construction sector R&D projects (2010 – 2020) and provide recommendations on next steps either towards further research or commercialization. Take the lead in the actions to be taken with regard to the technologies generated. 4. Develop project proposals that address the innovation gaps identified in coordination with possible proponents, with focus on localization and cost competitiveness 5. Conduct supply chain analysis for construction in assessing local capability and of the locally produced technologies. 6. Develop initiatives that will assist the construction industry achieve competitiveness through adoption of construction technologies 7. Assist researcher in the development, coordination and possible adoption of research-based policy on construction

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW III** (SG 25)
 Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)
 Agency or Council of Assignment: DOST PCIEERD (Science Communication Program)

Education	Doctoral Degree in <u>Communication</u> Preferably Science Communication, Development Communication, Communication Research, Journalism, Media Studies, and other related courses
Experience	With at least ten (10) years of productive professional R&D work. Must have implemented at least two (2) R&D projects as Project Leader. Can be a fresh PhD graduate.
Training	Thirty-two (32) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least three (3) paper published in ISI or Scopus-indexed journals or conference proceedings, as sole author or co-author (excluding thesis/ dissertation) Must have at least 1 S&T/R&D related achievement/award received.
	<ol style="list-style-type: none"> 1. Update medium- to long- term R&D roadmap and strategies and monitor its implementation 2. Write calls for proposals as a result of the Focus Group Discussion or stakeholder engagement 3. Act as Technical Panel (TP) Expert to review and evaluate new proposals 4. Develop R&D program/project proposals on Science Communication with a clear iteration of objectives, target audiences, deliverables, and monitoring and evaluation; 5. Advise junior researchers by giving regular guidance and direction in the implementation of the R&D program / projects to ensure meeting the research objectives, monitoring and ensuring the quality of results; 6. Identify and consider complementary skills of researchers, ensures opportunities for development, and build a balanced team; 7. Secure project funds and new funding opportunities, and provides accountability to grant and funding institutions; 8. Work with council's Information Group to design and implement effective means to disseminate research results; 9. Build relationships with research partners and key grant sources, and help strengthen existing partnerships, including with other government agencies, private organizations, academic and research institutions, and other relevant partners 10. Create and foster programs to help generate public awareness; communicate research outcomes; encourage public engagement and dialogue; and disseminate knowledge.

	<ol style="list-style-type: none">11. Develop public engagement activities between researchers to engage with the public and to work in partnership with a number of organizations to ensure that PCIEERD communicates and connects with a wide public audience.12. Perform other important functions as assigned
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Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW III** (SG 25)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCIEERD (Quantum Computing Technologies)

Education	<p>Doctoral Degree in <u>Quantum Computing / Information and Sensing, and related fields</u></p> <p>Preferably <u>professionals involved in the field of supercomputing, Quantum Computing, hardware and/or software manufacturers or researchers, software architects/engineers, and high-performance computer experts</u></p>
Experience	<p>With at least ten (10) years of productive professional R&D works.</p> <p>Must have implemented at least two (2) R&D projects as Project Leader.</p> <p>Can be a fresh PhD graduate.</p>
Training	<p>Thirty-two (32) hours of relevant training</p>
Eligibility	<p>PD 997 / RA 1080 / Career Service Professional</p>
Publications	<p>Must have at least three (3) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)</p>
Scope of Work	<ol style="list-style-type: none"> 1. Develop clear medium- to long- term R&D / technology roadmap and strategies and monitor its implementation 2. Write call for proposal as a result of the Focus Group Discussion or stakeholder engagement 3. Act as Technical Panel (TP) Expert to review and evaluate new proposals 4. Develop R&D program/project proposals on Quantum Computing aligned primarily with the themes in the HNRDA of the department, with a clear iteration of objectives, target audiences, deliverables, and monitoring and evaluation; 5. Supervise junior researchers by giving regular guidance and direction in the implementation of the R&D program / projects to ensure meeting the research objectives, monitoring and ensuring the quality of results; 6. Identify and consider complementary skills of researchers, ensures opportunities for development, and builds a balanced team; 7. Secure project funds and new funding opportunities, and provides accountability to grant and funding institutions; 8. Work with the institute and department communications group to design and implement effective means to disseminate research results and; 9. Build relationships with research partners and key grant sources, and help strengthen existing partnerships, including with other government agencies, private organizations, academic and research institutions, and other relevant partners 10. Perform other important functions as assigned

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW III** (SG 25)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCIEERD (AI Sector)

Education	<p>Doctoral Degree in <u>Engineering, Information Technology, Computer Science and related fields</u></p> <p>Preferably professionals specializing in the field of Artificial Intelligence, Machine Learning, Deep Learning, and Supercomputing/High Performance Computing</p>
Experience	<p>With at least ten (10) years of productive professional R&D works.</p> <p>Must have implemented at least two (2) R&D projects as Project Leader.</p> <p>Can be a fresh PhD graduate.</p>
Training	<p>Thirty-two (32) hours of relevant training</p>
Eligibility	<p>PD 997 / RA 1080 / Career Service Professional</p>
Publications	<p>Must have at least three (3) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)</p>
Scope of Work	<ol style="list-style-type: none"> 1. Review and update AI R&D / technology roadmap and strategies. 2. Write call for proposal as a result of the Focus Group Discussion or stakeholder engagement 3. Act as Technical Panel (TP) Expert to review and evaluate new proposals 4. Design and develop research studies aligned primarily with the themes in the HNRDA of the department specifically under the Artificial Intelligence program, with a clear iteration of objectives, target audiences, deliverables, and monitoring and evaluation; 5. Supervise junior researchers by giving regular guidance and direction, reviewing processes to ensure meeting the research objectives, monitoring and ensuring the quality of results; 6. Identify and consider complementary skills of researchers, ensures opportunities for development, and builds a balanced team; 7. Secure project funds and new funding opportunities, and provides accountability to grant and funding institutions; 8. Work with the institute and department communications group to design and implement effective means to disseminate research results and; 9. Build relationships with research partners and key grant sources, and help strengthen existing partnerships, including with other government agencies, private organizations, academic and research institutions, and other relevant partners

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW III** (SG 25)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCIEERD (ICT Sector)

Education	<p>Doctoral Degree in <u>Engineering, Information Technology, Computer Science and related fields</u></p> <p>Preferably professionals specializing in the field of Data Analytics, Big Data, Internet of Things, Computer Technology, Software Engineering, Scientific Computing</p>
Experience	<p>With at least ten (10) years of productive professional R&D works.</p> <p>Must have implemented at least two (2) R&D projects as Project Leader.</p> <p>Can be a fresh PhD graduate.</p>
Training	Thirty-two (32) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least three (3) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Review and update ICT R&D / technology roadmap and strategies.2. Write call for proposal as a result of the Focus Group Discussion or stakeholder engagement3. Act as Technical Panel (TP) Expert to review and evaluate new proposals4. Design and develop research studies on ICT with applications on Creative Industries, Smart Cities and Industry 4.0 aligned primarily with the themes in the HNRDA of the department, with a clear iteration of objectives, target audiences, deliverables, and monitoring and evaluation;5. Supervise junior researchers by giving regular guidance and direction, reviewing processes to ensure meeting the research objectives, monitoring and ensuring the quality of results;6. Identify and consider complementary skills of researchers, ensures opportunities for development, and builds a balanced team;7. Secure project funds and new funding opportunities, and provides accountability to grant and funding institutions;8. Work with the institute and department communications group to design and implement effective means to disseminate research results and;9. Build relationships with research partners and key grant sources, and help strengthen existing partnerships, including with other government agencies, private organizations, academic and research institutions, and other relevant partners

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW III** (SG 25)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCIEERD-STA SECTOR

Education	<p>Doctoral Degree in <u>Geodetic Engineering, Geodesy and Photogrammetry, Physics, Electronics and Communications Engineering, Electrical Engineering</u></p> <p>Preferably <u>involved in the field of remote sensing, GIS, GNSS, satellite research and development. With experience in crafting and implementing R&D roadmaps and action plans. Adept in policy formulation.</u></p>
Experience	<p>With at least ten (10) years of productive professional R&D works.</p> <p>Must have implemented at least two (2) R&D projects as Project Leader.</p> <p>Can be a fresh PhD graduate.</p>
Training	<p>Thirty-two (32) hours of relevant training</p>
Eligibility	<p>PD 997 / RA 1080 / Career Service Professional</p>
Publications	<p>Must have at least three (3) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)</p>
Scope of Work	<ol style="list-style-type: none">1. Develop a clear STA R&D agenda / technology roadmap and strategies2. Write call for proposal as a result of the Focus Group Discussion or stakeholder engagement3. Act as Technical Panel (TP) Expert to review and evaluate new proposals4. Develop R&D program/project proposals on STA related fields aligned primarily with the themes in the HNRDA of the department;5. Supervise junior researchers by giving regular guidance and direction in the implementation of the R&D program / projects to ensure meeting the research objectives, monitoring and ensuring the quality of results;6. Identify and consider complementary skills of researchers, ensures opportunities for development, and builds a balanced team;7. Secure project funds and new funding opportunities, and provides accountability to grant and funding institutions;8. Work with the institute and department communications group to design and implement effective means to disseminate research results and;9. Build relationships with research partners and key grant sources, and help strengthen existing partnerships, including with other government agencies, private organizations, academic and research institutions, and other relevant partners10. Other Assignments: <p>People Services</p>

	<ol style="list-style-type: none">1. Conduct lecture series on emerging research and topics on space technology applications and satellite development2. Collaborate with international experts and professionals to conduct public lectures and seminars in the country <p>Partnership</p> <ol style="list-style-type: none">1. Coordinate with the Philippine Space Agency in terms of prioritizing and implementing the STA R&D agenda / roadmap2. Coordinate with universities that has potential capability in establishing space-related research activities3. Develop at least (3) proposals in coordination with identified target implementing agencies <p>Policy</p> <ol style="list-style-type: none">1. Establish standards for space-related degree programs in tertiary and post-graduate level2. Draft scientific report or policy recommendations as integral document for policymakers
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Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW III** (SG 25)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCIEERD Creative Industries Sector

Education	<p>Doctoral Degree in <u>Engineering, Technology Management, and/or Economics (Development Economics)</u></p> <p>Preferably professionals in the field of creative industries, furniture, footwear, fashion and textiles, and other related industries</p>
Experience	<p>With at least ten (10) years of productive professional R&D works. Must have implemented at least two (2) R&D projects as Project Leader. Can be a fresh PhD graduate.</p>
Training	<p>Thirty-two (32) hours of relevant training</p>
Eligibility	<p>PD 997 / RA 1080 / Career Service Professional</p>
Publications	<p>Must have at least three (3) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)</p>
Scope of Work	<ol style="list-style-type: none"> 1. Conduct industry profiling, identify innovation gaps, technology scanning, comparative assessment and sectoral S&T roadmapping in the following areas: creative industries and economy and its subsectors (furniture, footwear, jewelry, and other priority industry) 2. Set direction for technology and sectoral roadmap, implementation and support strategies for roadmap. <ul style="list-style-type: none"> • Define documentation requirements and take lead in the preparation of proper documentation for the roadmap and action plans including preparation of write up, publishable reports, articles and FGD reports. • Facilitate conduct of public consultations, stakeholders meeting and other similar focus group discussions. 3. Conduct supply chain analysis for creative industries sector in assessing local capability and of the locally produced technologies. 4. Identify root cause on the identified challenges of the industry and translate it to R&D opportunities/projects. 5. Collaborate, advise and work with sector head to create integrated and strategic action plan for the creative industry. 6. Conduct an assessment of completed creative industries related sector R&D projects (2015 – 2020) and provide recommendations on next steps either towards further research or commercialization. Take the lead in the actions to be taken with regard to the technologies generated.

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW III** (SG 25)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCIEERD (Human Resource Development Program)

Education	<p>Doctoral Degree in <u>any wide range of disciplines including environmental science, social economics, science engineering, development studies, development management and governance, strategic planning and policy, or other related field.</u></p> <p>Preferably professionals involved in the field of semiconductor (microelectronics and IC design), electronic data processing (big data analytics), consumer electronics (smart things), control system (sensors and actuators), and industrial electronics (robotics)</p>
Experience	<p>With at least ten (10) years of productive professional R&D works.</p> <p>Must have implemented at least two (2) R&D projects as Project Leader.</p> <p>Can be a fresh PhD graduate.</p>
Training	Thirty-two (32) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least three (3) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Oversee and direct the framework and roadmap of Human Resource Development Programs (HRDP) including Young Innovators Programs (YIP), Smarter Philippines through data analytics research and development training and adoption project (SPARTA) and other human resources program of PCIEERD2. Develop clear short, medium, and long- term plan and Young Innovators Program roadmap and strategies and monitor its implementation3. Write call for proposal as a result of the Focus Group Discussion or stakeholder engagement4. Act as Technical Panel (TP) Expert to review and evaluate new proposals5. Develop R&D program/project proposals aligned primarily with the themes in the HNRDA of the department, with a clear iteration of objectives, target audiences, deliverables, and monitoring and evaluation;6. Supervise junior researchers by giving regular guidance and direction in the implementation of the R&D program / projects to ensure meeting the research objectives, monitoring and ensuring the quality of results;7. Identify and consider complementary skills of researchers, ensures opportunities for development, and builds a balanced team;8. Secure project funds and new funding opportunities, and provides accountability to grant and funding institutions;9. Work with the institute and department communications group to design and

	<p>implement effective means to disseminate research results and;</p> <ol style="list-style-type: none">10. Build relationships with research partners and key grant sources, and help strengthen existing partnerships, including with other government agencies, private organizations, academic and research institutions, and other relevant partners11. Assess the existing components or sub-programs of the PCIEERD HRD program and recommend new components/programs/strategies to expedite the development of critical mass of researchers in the IEET sectors12. Recommend strategies and incentives for researchers and/or universities to encourage availment of the HRD programs.13. Perform other essential functions as assigned
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Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW III** (SG 25)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCIEERD - Good Governance through Data Science and Decision Support System (GODDESS)

Education	<p>Doctoral Degree in <u>Engineering, Information Technology, Computer Science and related fields of expertise and/or relevant education and training</u></p> <p>Preferably professionals involved with combination of technical and background in the areas of governance but not limited to strategic planning, ICT and data governance, digital transformation, business intelligence and data analytics, project management, process analysis and improvement, systems and infrastructure development, research and development.</p>
Experience	<p>With at least ten (10) years of productive professional R&D works.</p> <p>Must have implemented at least two (2) R&D projects as Project Leader. Can be a fresh PhD graduate.</p>
Training	<p>Thirty-two (32) hours of relevant training</p>
Eligibility	<p>PD 997 / RA 1080 / Career Service Professional</p>
Publications	<p>Must have at least three (3) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)</p>
Scope of Work	<ol style="list-style-type: none">1. Develop clear short, medium, and long- term plan and GODDESS roadmap and strategies and monitor its implementation2. Write call for proposal as a result of the Focus Group Discussion or stakeholder engagement3. Act as Technical Panel (TP) Expert to review and evaluate new proposals4. Develop R&D program/project proposals on GODDESS aligned primarily with the themes in the HNRDA of the department, with a clear iteration of objectives, target audiences, deliverables, and monitoring and evaluation;5. Supervise junior researchers by giving regular guidance and direction in the implementation of the R&D program / projects to ensure meeting the research objectives, monitoring and ensuring the quality of results;6. Identify and consider complementary skills of researchers, ensures opportunities for development, and builds a balanced team;7. Secure project funds and new funding opportunities, and provides accountability to grant and funding institutions;8. Work with the institute and department communications group to design and implement effective means to disseminate research results and;9. Build relationships with research partners and key grant sources, and help strengthen existing partnerships, including with other government agencies, private organizations, academic and

	<p>research institutions, and other relevant partners 10. Perform other important functions as assigned</p>
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Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW III**

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCIEERD (Regional Consortia)

Education	Doctoral Degree in <u>any wide range of disciplines including environmental science, social economics, science, engineering, development studies, development management and governance, strategic planning and policy, human resource and institution development and and/or other related fields</u>
Experience	With at least ten (10) years of productive professional R&D works. Must have implemented at least two (2) R&D projects as Project Leader. Can be a fresh PhD graduate.
Training	Thirty-two (32) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least three (3) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none"> 1. Develop clear short, medium, and long- term plan and Regional Research Institutions roadmap and strategies and monitor its implementation 2. Write call for proposal as a result of the Focus Group Discussion or stakeholder engagement 3. Act as Technical Panel (TP) Expert to review and evaluate new proposals 4. Develop R&D program/project proposals aligned primarily with the themes in the HNRDA of the department, with a clear iteration of objectives, target audiences, deliverables, and monitoring and evaluation; 5. Supervise junior researchers by giving regular guidance and direction in the implementation of the R&D program / projects to ensure meeting the research objectives, monitoring and ensuring the quality of results; 6. Identify and consider complementary skills of researchers, ensures opportunities for development, and builds a balanced team; 7. Secure project funds and new funding opportunities, and provides accountability to grant and funding institutions; 8. Work with the institute and department communications group to design and implement effective means to disseminate research results and; 9. Build relationships with research partners and key grant sources, and help strengthen existing partnerships, including with other government agencies, private organizations, academic and research institutions, and other relevant partners 10. Perform other important functions as assigned

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW III** (SG 25)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development) Agency or Council of Assignment: DOST-PCIEERD (Environment Sector)

Education	<p>Doctoral Degree in <u>any wide range of disciplines including environmental science, environmental assessment, planning, management, social economics, environmental engineering, development studies, development management and governance, strategic planning and policy, urban and regional planning or other related field.</u> Preferably Licensed Environmental Planner</p>
Experience	<p>With at least ten (10) years of productive professional R&D works. Must have implemented at least two (2) R&D projects as Project Leader. Can be a fresh PhD graduate.</p>
Training	<p>Thirty-two (32) hours of relevant training</p>
Eligibility	<p>PD 997 / RA 1080 / Career Service Professional</p>
Publications	<p>Must have at least three (3) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)</p>
Scope of Work	<p><u>Sectoral Roadmaps:</u> 1. Assessment/Review of Sectoral Roadmaps (2021-2022) > S&T Water Environment Roadmap > Sustainable S&T Clean Air Roadmap > Solid Waste Management Roadmap 1.1 Directs and manages the conduct of public consultation, stakeholders meeting 1.2 Info dissemination of the updated Roadmaps 1.3 Prepares a write-up / publishable articles / publication in the S&T Journal 2. Development of the “Circular Economy R&D Roadmap” 3. Submit all required outputs within the timeframe specified <u>Projects:</u> 4. Assess/Review completed projects for technology vetting for the last five (5) years 5. Prepare a Technology Roadmap of new/ongoing projects 6. Performs other duties of a regular or special nature as assigned e.g. preparation of Action Plans for the next five (5) years</p>

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW I** (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-NRCP

Education	<p>At least a Master's degree in any of the following:</p> <ul style="list-style-type: none"> - Political Science - Public Administration - Asian Studies - International Studies - National Security <p>Preferably with:</p> <ol style="list-style-type: none"> 1. specialization in security management, defense strategy 2. knowledge of the 12-point National Security Agenda of the Philippines 3. relevant experience in the following: <ul style="list-style-type: none"> - policy analysis - policy formulation - networking and linkages
Experience	<p>With at least 3 years of productive research in the field of international relations and national security after completion of Master's degree</p> <p>Must have implemented at least 1 related R&D project as project leader.</p>
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least 1 paper published in ISI or SCOPUS indexed journal as primary author (excluding dissertation paper) in the field of international relations and national security
Scope of Work	<ol style="list-style-type: none"> 1. Develop a plan and conceptualize the National Security R&D Program of the Council 2. Develop strategic partnership among scientists, policy makers at all governance levels, and appropriate agencies to advance the R&D program 3. Facilitate the road mapping of the national security R&D program of the Council. 4. Identification of research areas and sources of funding. 5. Assist in the preparation of targeted project proposals for the national security R&D program of the Council 6. Facilitate and monitor the implementation of priority research projects under the program 7. Draft and disseminate policy recommendations and/or advisories. 8. Secure acceptance/adoption of policy recommendations and/or advisories by any relevant national government agencies 9. Other tasks as may be required.

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW II** (SG 24)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-NRCP

Education	<p>At least MSc in any of the following:</p> <ul style="list-style-type: none"> - Disaster Risk and Resilience - Disaster Management - Environmental Science - Engineering - Geology <p>Preferably with cognate in Development Communication</p>
Experience	<p>At least 5 years of productive professional research and development (R&D) work in transport</p> <p>A recognized expert in the field of transport planning, logistics, traffic management, urban and regional planning</p> <p>Must have implemented at least 1 related R&D project as project leader.</p>
Training	<p>Twenty-four (24) hours of relevant training</p>
Eligibility	<p>PD 997 / RA 1080 / Career Service Professional</p>
Publications	<p>Must have at least two (2) papers published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation) in DRRM-related areas</p>
Scope of Work	<ol style="list-style-type: none"> 1. Develop a plan and conceptualize the DRRM and Resilience R&D program of the Council specifically on Disaster Risk Communication planning for LGUs in the country 2. Develop strategic networking among scientists, LGUs and appropriate/relevant national agencies 3. Facilitate the road mapping of the Council's DRRM and Resilience R&D program 4. Assist in the preparation of targeted project proposals on DRRM and Resilience specifically on disaster risk communication 5. Facilitate and monitor the implementation of priority research projects including development of risk communication plans for LGUs in the country. 6. Coordinate with CCC and DRRMOs for knowledge transfer (of disaster risk communication plans) to LGUs at all governance levels. 7. Secure LGU acceptance/adoption of disaster risk communication plans. 8. Other tasks as may be required.

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW I** (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCAARRD

Socio-Economic Evaluation and Impact Assessment Unit (SEEIAU)

Education	Master Degree in Business Management, Public Administration, Development Management and Governance
Experience	At least 3 years of productive professional research and development (R&D) after completion of MS Must have implemented at least 1 related R&D project as project leader.
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Conceptualize training and mentoring programs, projects and activities for researchers who would conduct impact assessments2. Prepare training proposals, letters, and documents for agreements regarding the conduct of trainings, mentoring activities, and impact assessments3. Liaise and coordinate with training and mentoring of service providers and oversee conduct of training and mentoring activities for researchers4. Coordinate with R&D consortia, agencies and researchers for the formation, training, and mentoring of impact assessment teams5. Provide technical administrative assistance in the development of impact assessment project proposals6. Perform administrative and finance-related functions to ensure smooth implementation of the initiatives

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW I** (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCAARRD

R&D Evaluation and Monitoring Unit (RDEMU)

Education	Master Degree in Sociology, Applied Rural Sociology, or Development Studies
Experience	At least 3 years of productive professional research and development (R&D) after completion of MS Must have implemented at least 1 related R&D project as project leader.
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Conceptualize R&D programs, projects, and activities for applied rural sociology2. Oversee all aspects of project development and packaging as well as M&E of project implementation3. Conceptualize and lead the capacity building initiatives, provide mentoring and technical support to clients from the R&D network4. Support the institutionalization of innovative M&E mechanisms for effective and efficient implementation of projects and monitoring of indicators and outputs5. Perform administrative and finance related functions to ensure smooth operations/implementation of the initiatives

Department of Science and Technology

Notice of Vacancy (21 S&T Fellow I, 5 S&T Fellow II, 15 S&T Fellow III Positions)

Position Title: **SCIENCE & TECHNOLOGY FELLOW I** (SG 23)

Status: Contract of Service (DOST-Office of the Undersecretary for Research and Development)

Agency or Council of Assignment: DOST-PCAARRD

Gender and Development and Special Project Unit (GAD SPU)

Education	Master Degree in Sociology, Master in Women and Development, Diploma in Women and Development, Development Studies, Master in Rural Sociology
Experience	At least 3 years of productive professional research and development (R&D) after completion of MS Must have implemented at least 1 related R&D project as project leader.
Training	Sixteen (16) hours of relevant training
Eligibility	PD 997 / RA 1080 / Career Service Professional
Publications	Must have at least one (1) paper published in ISI or Scopus-indexed journals conference proceedings, as sole author or co-author (excluding thesis/ dissertation)
Scope of Work	<ol style="list-style-type: none">1. Conceptualize research studies on gender and development to ensure continuous efforts of PCAARRD on gender mainstreaming2. Promote gender responsive management through the conduct of various gender-related programs, activities, and trainings3. Prepare technical reports, concept notes, and other information, education, and communication materials4. Provide technical, financial, and administrative backstopping to the development