



## **Material Informatics Program and Research proposal on PRO-IDAS**

**Duration:** 2023-2032

**Host Institution:** DOST - Industrial Technology Development Institute (ITDI)

### **Project Description**

ITDI- Advanced Device and Materials Testing Laboratory (ADMATEL) plans to build its research capabilities and environment on Artificial Intelligence (AI), taking advantage of the premier analytical tools that can perform multivariate analysis and generate solutions to various industry challenges, i.e., Failure Analysis (FA) design and product development and innovation. Its successful research endeavor and collaboration with DOST - Advanced Science and Technology Institute (ASTI) and Philippine Drug Enforcement Agency (PDEA), where an IDAS Software version 1.0 (for drug trafficking/intelligence) has opened prospects for R&D intervention with the industry and stakeholders such as the Semicon, regulatory agencies, pharmaceuticals, agri/food sectors, etc. This has been demonstrated in the executive brief research proposal entitled PRO-IDAS.

PRO-IDAS  
(2023-2025)

Expansion and Sustainability  
(2026-2032)

### **Experts Needed**

- Multivariate Analysis for 2D and 3D Image-Type Datasets Experts
- Data Analytics Methodologies Applied to Manufacturing Industries Experts

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