



PUBLICATION OF VACANT POSITION (Project-Based)

POSITION	:	Project Technical Specialist I (AI Engineer)
SALARY GRADE	:	SG 16
NO. OF POSITIONS AVAILABLE	:	1
DIVISION	:	Research and Development Division
Education	:	Bachelor's/College Degree of any ICT or AI related course (BS ECE, EE, CoE/CpE, IT, CS, Applied Math)
Experience	:	At least 1 year of relevant experience
Training	:	Four (4) hours of relevant training
Eligibility	:	None required
Other Requirements	:	<ul style="list-style-type: none">• Proficient in programming languages used in AI development (Python)• Skilled in data exploration, analysis, and visualization using Python libraries such as Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, and other related software libraries• Skilled in data storage and retrieval using RDBMS such as PostgreSQL• Skilled in data cleaning and data preparation methods• Knowledgeable in different machine learning techniques (classification, clustering, regression, neural networks, etc.), their advantages and disadvantages, and their implementation in Python libraries such as Scikit-learn, Tensorflow, and Keras• Knowledgeable in deep learning techniques and algorithms for computer vision problems. Experience in applying computer vision for traffic management is a big plus• Team player, a lifelong learner, and shows great initiative• Problem solving mindset and can work under minimal supervision• Can do other tasks (writing research papers, technical documentation, technical specifications for procurement)• Heavy advantage for experience in traffic signaling systems, outdoor cameras, and/or intelligent transport systems (ITS)

RESPONSIBILITIES:

- Identify and recommend techniques, methodologies, and strategies in developing AI models for traffic management, particularly using computer vision to the Project Leader, under the guidance of the AI Engineering Lead
- Identify and recommend a CV model development plan to technical leads for use in Philippine traffic context
- Plan and execute methodologies in developing AI models for Philippine traffic context and apply on specific use cases to be identified
- Plan and execute benchmarking and/or performance measurements of the developed CV model on actual data
- Work with team members under the AI engineering team on data collection, preparation, and access
- Largely contribute to the writing of technical documentation and technical papers for publishing
- Be available to do other relevant tasks as the Project Leader or Team Leader may deem necessary

APPLICATION:

Interested applicants should submit a **letter of intent** addressed to **Ramon Vann Cleff B. Raro, Senior Science Research Specialist**, ramonvanncleff.raro@asti.dost.gov.ph , cc: hr@asti.dost.gov.ph, along with the following:

1. Updated CV;
2. Updated Personal Data Sheet;
3. Diploma and TOR; and
4. Training certificates.

APPLICATION DEADLINE: June 23, 2025, 11:59 PM (UTC+8:00)