

**TERMS OF REFERENCE FOR
HIGHLY TECHNICAL CONSULTANT
(ARTIFICIAL INTELLIGENCE)**

1. BACKGROUND

The DOST flagship R&D program/project in AI is seeking a Highly Technical Consultant (HTC) well-versed in the conceptualization and implementation of the flagship research and development (R&D) initiative, to effectively mentor the technical teams and steer the direction of the project towards its goals, both from a technical and administrative perspective.

The Philippine Sky Artificial Intelligence Program and its component project, Automated Labeling Machine – Large-Scale Initiative (ALaM–LSI), has been reconfigured to be functionally implemented under the umbrella of DOST-ASTI, there exists a need for a highly technical role that will provide leadership, mentorship, direction, and decision-making for the continued implementation of its tasks and deliverables.

2. DURATION

Six (6) months of the Year 3 implementation of the ALaM–LSI initiative in which engagement shall start upon contract perfection and issuance of Notice to Proceed.

3. DESCRIPTION

The DOST flagship R&D program/project in AI is seeking an HTC well-versed in the conceptualization and implementation of the flagship R&D initiative to effectively mentor the technical teams and steer the direction of the project towards its goals, both from a technical and administrative perspective.

The HTC's duties and responsibilities include provision of technical expertise in the overall implementation of the ALaM-LSI (SkAI-ALaM) component, in close coordination with the ASTI-ALaM Project Leader.

4. QUALIFICATIONS

- 4.1. Possesses a Doctoral Degree in Engineering with Robotics-related Research
- 4.2. Postdoctoral experience with research on AI and Robotics related topics in a top 30 international institution
- 4.3. Conceptualized, proposed and led national R&D flagship programs in AI and AI–Robotics
- 4.4. Experience as a Balik Scientist doing projects in AI and AI–Robotics hosted by DOST Advanced Science and Technology Institute is an advantage
- 4.5. Published at least ten (10) papers/articles related to Robotics and/or AI in international journals/publications/proceedings

5. ROLES AND RESPONSIBILITIES

- 5.1. Provide direction and guidance on the technical development and implementation of the AI initiative
- 5.2. Serve as technical consultant and attend meetings during consultations and progress meetings with the researchers, stakeholders, and other relevant institutions and agencies, as applicable
- 5.3. Recruit or assemble a team with the necessary technical expertise in artificial intelligence and robotics
- 5.4. Develop a strategic action plan that outlines the steps and milestones necessary in achieving the objectives of the initiatives in its third year of project implementation

- 5.5. Foster collaboration with relevant stakeholders and interested parties
- 5.6. Perform other tasks as may be required in relation to the conduct and completion of this project

6. DELIVERABLES

- 6.1. Deliverables are tied down with the deliverables of the Program/Project Leader for the AI initiative as follows:
 - 6.1.1. Six (6) monthly accomplishment reports
 - 6.1.2. Workplan for the initiatives
 - 6.1.3. Quarterly and/or Annual Progress Reports

7. TITLE RIGHTS

All materials produced by the HTC which bears a relation to, or is made in order to perform, this contract and any intellectual property rights thereof, including but not limited to patents, copyright, and trademarks, shall be owned by the HTC as originator of the initiatives and principal investigator of their technologies, subject to the laws applicable of the Technology Transfer Act and Intellectual Property Code of the Philippines, and in accordance with the agreed upon terms of the DOST–ASTI Technology Licensing policies as implementing agency of the DOST-PCIEERD GIA-funded flagship initiatives.

The HTC as originator of the initiatives and principal investigator of their technologies would be accorded the right to be the author and/or co-author of scientific and technical articles, journals, publications, and other related works produced from accomplishing this contract.

8. ENGAGEMENT FEE AND VALIDITY

The total engagement fee for HTC is Nine Hundred Ninety Thousand Pesos (Php 990,000.00) and will be inclusive of government tax. Engagement will be valid for Six (6) months of the Year 3 implementation of the ALaM–LSI initiative starting from the date of assumption. Payment will be made on a bimonthly or twice a month basis upon submission of accomplishment report.