
Applied Human Machine Intelligence in East Africa

Project ID: 101082883



Belgium – Spain – Cyprus – Uganda – Tanzania

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Antwerp – Kortrijk – Vigo - Paphos – Kampala – Arua – Dar es Salaam - Karume



Call for External Evaluator



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About AHUMAIN



Problem Statement

The technological revolution is proceeding fast, every day we see new interesting applications. The communication between humans, machines and their constant communication through the Internet is becoming increasingly interconnected. Two major tendencies which are changing the world around us are Internet of Things (IoT) and Artificial Intelligence (AI). While IoT produces sensor data, AI will help interpret this data, in a comprehensible way and to make semi-automated decisions for controlling certain physical processes. If we look at the world's investment and strategic plans on AI, governments are putting a lot of effort in the development of AI systems, to find relevant applications and to get their knowledge up to an excellent level, not to be left behind. The increased competitiveness of countries worldwide is becoming apparent for those who do invest in creating linkages between government, business, and academia in this field. This is equally important for Africa. There are a number of initiatives in African countries, but the real challenge is to get the African biggest companies adopting AI for their business processes. This calls for the development of an AI ecosystem that will lower their development costs, help create AI applications tailored to local needs, and reduce their dependence on foreign companies. In addition, the African AI ecosystem could position itself as an attractive partner for global digital giants keen to enter the African market.

Goal of the project

The aim of the AHUMAIN project is to connect diverse specializations together in one consistent curriculum, tailored to the East-African situation and societal problems, to come to a hybrid engineer who has in-depth knowledge in all different aspects and can connect these parts together to a useful and commercially viable system. At the same time, we focus on real-life applications of AI, operational deployment, and business cases, to break away from the theory and give way to practical applications.



External Expert

In the frame of continuous quality assurance of the AHUMAIN project, the consortium implements a QA scheme, consisting of internal quality assessment and control, followed up by the internal evaluation board (IEB).

Quality assurance is also followed up by an independent External Expert (EE), which the AHUMAIN consortium searches to subcontract, to review the project and provide recommendation during the project on the achievements, implementation and performance, including the followed QA methodology.

Tasks

Early, mid-term and end report result-based evaluation of the project's accomplishment. The study concerns with the analysis of the major project deliverables, including curricula documentation, to define the major quality parameters such as innovative character, compliance with Bologna principles, new educational technologies application, and the like. Also compliance with and deviation of the original project proposal. The evaluation will be conducted on the basis of the project's documentation, website data, online interviews with main stakeholders.

Design and implementation of online surveys with project participants and other relevant stakeholders in order to identify the levels of satisfaction and project acceptance, major problems and barriers for project implementation, major achievements and highlights. Processing and presenting the collected survey data.

Drafting the reports for the project coordination team integrating the findings of the surveys.

Deliverables

- An early feedback report on the proposed curriculum in Data Science and AI, based on the course info sheets (CIS), being the syllabi of the proposed curriculum. Early feedback on the QA plan.
- A mid-term report on project implementation, performance and methodology, including working relations, processes, communication.
- A final report to provide an independent, external perspective on the outcomes and outputs, to provide recommendations on reporting and sustainability of the project's results.

Required skills

The right candidate has at least a MSc, in Computer Science, Electronics, Applied IT, ICT or Educational Sciences. Proven experience in international project management, quality assurance, Data Science or AI is an asset.



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The EE has to proof relevant skills for the AHUMAIN project, including

- Proven professional experience in the evaluation of international projects;
- Understanding of quality assurance;
- Knowledge of Erasmus+ projects, HE system;
- Availability of regional and partner country expertise, partner country's educational system knowledge is an asset;
- Language skills (advance knowledge of English);
- Communication skills to provide a professional and independent review;

The individual EE shall not have any concurrent contractual engagement with the consortium members.

Conditions & fee

The EE is provided with all the project documentation to enable him to carry out a thorough assessment. The EE carries out his duties within the agreed timeframe. The EE maintain the confidentiality of data, including personal data of participants and related stakeholders.

The maximum total fee for the engagement of the EE is up to EUR 5.000,00, with all taxes included.

Deadline and requirements

The deadline for the application is October 31st 2023.

Applications shall be send to Mr. Ali Abdulla from Karume Institute of Science and Technology on Zanzibar, Tanzania, Project Quality Manager, at aliabdurahman@kist.ac.tz. The project coordinator shall be put in cc: Mr. Dirk Van Merode from AP University of Applied Sciences and Arts, Antwerp, Belgium, at dirk.vanmerode@ap.be.

All applicants should present their CV, clearly demonstrating the skills, competences and experience required for their role as External Expert. In addition, a short letter is submitted to state how the applicant plans to take up the assignment.