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| PROJECT DETAILS |  |
| Proposed Project Title\* | "Solar-Powered IoT and AI-Enhanced Silverfish Drier for Food Security and Economic Livelihoods" |
| Project Website |  |
| Github or other code repository | <https://github.com/UICT-RESEARCH/MOZILLATRUSTFUND-UICT> |
| Amount Requested (up to USD 50,000)\* | USD 50,000 |

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| Describe your open-source project. \* |
| What is it? What are your goals? Why do people use and/or contribute to your project? |
| (5000 characters or less)  What is it?  Silverfish also known as silver cyprinid or whitebait, is a small type and most harvested fish providing fishing communities and mostly women in Uganda with economic livelihoods and food security. In Uganda, fishing communities are found around landing sites that act as collection and trading centers for fish including, L. Victoria with nine (9) landing sites spanning five (5) districts, L. Kyoga with five(5) landing sites spanning two(2) districts. L. Albert with four (4) landing sites spanning two(2) districts, and L. Edward and L. George with four(4) landing sites spanning two(2) districts.  Unlike dried silverfish which has a comparatively longer shelf-life, harvested silverfish has a window period of 2-3 hours before it gets stale. Silverfish also has a very high moisture content of about 73% thus making it highly perishable after harvest. The moisture content has to be reduced using drying methods to about 5% to increase its shelf life. The main method for drying silverfish is by exposing them to the sun’s radiation during the daytime. This method is unreliable due to unpredictable climatic conditions.    This method also has limited processing capacity, unable to provide quality control in terms of drying conditions and contamination risks from pests, dust, birds, and human beings. The problem to be addressed is the inefficient silverfish sun-dying methods currently being used by fishing communities in Uganda.  What are your goals?  The goal of this project is to:   1. Design and construct a "Solar-Powered IoT and AI-Enhanced Silverfish Drier for Food Security and Economic Livelihoods" that incorporates Internet of Things (IoT) and Artificial Intelligence (AI) technologies. 2. Conduct trainer of trainers (TOT) capacity-building training with members of the Port Bell Fishmongers Association. 3. Conduct scientific research and development on more efficient and environmentally friendly silverfish drying methods to achieve sustainable fishing practices. 4. Disseminate research findings to other fishing communities and publish findings in national and international publications.   Why do people use and/or contribute to your project?  **Improved Efficiency:** The project's technology reduces the need for manual intervention, ensuring a consistent and efficient drying process. This efficiency benefits fishing communities by saving time and effort while increasing the quantity of dried fish produced.  **Environmental Justice:** By harnessing solar power and IoT, the project aligns with environmental justice goals. It minimizes the reliance on non-renewable energy sources and reduces the environmental impact of traditional drying methods.  **Consistent Quality:** The use of AI and IoT allows for real-time monitoring and control of the drying process. This leads to higher-quality dried fish products, which are crucial for competing in regional and international markets.  **Data-Driven Insights:** The generated data from IoT sensors and AI analysis can provide valuable insights into the drying process. This data can be used to identify trends, patterns, and areas for improvement, ultimately enhancing resource management and product quality.  **Economic Benefits:** A more efficient drying process can lead to increased income for fishing communities. Additionally, access to higher-quality dried fish can improve their competitiveness in the market, benefiting both producers and consumers. |

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| Describe the purpose of your funding request. What are the key deliverables? \* |
| This should be formatted as a bulleted list. If your request is successful, this list of deliverables will be used to measure the success of your project. |
| (5000 characters or less)  The purpose of our funding request is to develop and implement an innovative solution to address the inefficient sun-drying methods currently used by fishing communities in Uganda for preserving silverfish. The project's key objectives are as follows:  **Develop a "Solar-Powered IoT and AI-Enhanced Silverfish Drier for Food Security and Economic Livelihoods":** We aim to design and construct an advanced silverfish drying system that utilizes solar power and incorporates Internet of Things (IoT) and Artificial Intelligence (AI) technologies. This drier will provide a more efficient and reliable alternative to traditional sun-drying methods.  **Environmental Justice:** Our project aligns with the principles of environmental justice by reducing reliance on non-renewable energy sources and minimizing the environmental impact associated with traditional drying methods. This sustainable approach promotes equity and fairness in environmental resource utilization.  **Enhanced Drying Efficiency:** The "Solar-Powered IoT and AI-Enhanced Silverfish Drier for Food Security and Economic Livelihoods" will significantly improve the efficiency of the silverfish drying process, reducing manual labour and ensuring consistent drying results. This efficiency is crucial for increasing the quantity of dried fish produced and reducing post-harvest losses.  **Optimized Dying:**  **Key Deliverables:**  To achieve these goals, our project commits to delivering the following key outcomes and deliverables:  **Solar-Powered IoT and AI-Enhanced Silverfish Drier for Food Security and Economic Livelihoods:** The primary deliverable is the successful design, construction, and implementation of the solar-powered silverfish drying system. This includes the installation of IoT sensors and AI components for monitoring and control.  **Operational System:** A fully operational drying system that can be used by fishing communities in Uganda. This system will be designed for user-friendliness and accessibility by the target beneficiaries.  **Data Analysis and Insights:** The IoT sensors will collect real-time data on the drying process, which will be analyzed using AI algorithms. The key deliverable here is the generation of valuable insights, trends, and patterns in the drying process.  **Process Improvements:** Based on the data analysis, the project will implement process improvements to enhance the drying efficiency further. These improvements will be documented and shared with the communities for their benefit.  **Documentation and Training:** Comprehensive documentation and training materials will be provided to fishing communities to ensure they can operate and maintain the drying system effectively.  **Environmental Impact Assessment:** An assessment of the environmental impact of the project, including reduced reliance on non-renewable energy sources and lower environmental footprint, will be conducted and documented.  **Community Engagement:** Regular engagement with fishing communities to ensure their participation in the project and gather feedback for ongoing improvements.  **Knowledge Sharing:** Dissemination of project findings, best practices, and lessons learned to a broader audience interested in similar sustainability initiatives. |

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| What impact will the work detailed above have on the people who are connected to your project (e.g. users, contributors, community members, and others)? How will you measure this impact?\* |
| (5000 characters or less)  How will you measure this impact?\*  Measuring the impact of the "**Solar-Powered IoT and AI-Enhanced Silverfish Drying Solution for Food Security and Economic Livelihoods**" project is crucial to assess its effectiveness and make informed decisions for improvements. Fishing communities, particularly women, who rely on silverfish for their livelihoods, will benefit from increased efficiency and higher yields. They will experience reduced post-harvest losses, leading to increased income and improved economic stability Here are some key metrics and methods for measuring impact:  **Improved Incomes and Quality of Life:** Monitor and compare the income levels of fishing community members engaged in silverfish drying before and after the project's implementation. Conduct regular income surveys and assessments. With improved income and reduced workload, community members will experience an enhanced quality of life. This includes better access to education and healthcare services for their families  **Reduction in Post-Harvest Losses:** Measure the reduction in post-harvest losses of silverfish by comparing quantities lost due to spoilage before and after the introduction of the IoT and AI-enhanced drying system.  **Shelf-Life Extension:** Evaluate the shelf-life extension of dried silverfish products by conducting quality tests and assessments of the product's condition over time.  **Economic Empowerment:** Assess the economic empowerment of women in fishing communities through surveys and interviews to understand their increased control over financial resources and decision-making.  **Sustainable Fishing Practices:** Monitor and evaluate the adoption of sustainable fishing practices by assessing compliance with guidelines and tracking fish stocks in the targeted fishing areas.  **Skills and Knowledge Transfer:** Evaluate the knowledge and skills transfer by conducting post-training assessments and measuring the ability of community members to effectively use the IoT and AI technology.  **Food Security:** Assess improvements in food security by monitoring the availability and access to dried silverfish products in the communities during off-peak fishing seasons. The availability of high-quality dried fish throughout the year will enhance food security in these communities. Families will have access to a reliable source of protein, reducing the risk of food shortages during lean periods.  **Technological Adoption:** Measure the level of technological adoption by tracking the usage and maintenance of the IoT and AI-enhanced drying system among community members.  **Women's Empowerment:** Assess the empowerment of women in fishing communities by conducting gender-sensitive surveys and interviews to understand changes in their roles and decision-making.  **Time and Labor Savings**: The "Solar-Powered IoT and AI-Enhanced Silverfish Drier for Food Security and Economic Livelihoods" will significantly reduce the labor and time required for silverfish drying. Users will spend less time on manual labor, allowing them to engage in other income-generating activities or spend more time with their families.  **Created avenues for further scientific research and development: Project** contributors, including engineers, data analysts, and technicians, will have the opportunity to do further research and development to enhance their knowledge and expertise in renewable energy, IoT, AI, and community engagement. Knowledge generated from the project will be shared with the broader audience. This will inspire similar initiatives in other fishing communities hence promoting environmentally sustainable fishing practices and social equity.  **Sustainability:** The adoption of sustainable solar-powered drying methods will contribute to long-term environmental and economic sustainability in these communities. Reduced reliance on non-renewable energy sources aligns with environmental justice principles.  The work detailed above will have a significant impact on various stakeholders connected to our project, including users, contributors, community members, and others. This impact can be measured through both qualitative and quantitative indicators. |

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| Describe your community. \* |
| (5000 characters or less)  Who makes up the core team that maintains the project?  The core team responsible for maintaining the "Solar-Powered IoT and AI-Enhanced Silverfish Drier for Food Security and Economic Livelihoods" project typically consists of individuals with diverse skills and expertise. Each team member brings unique skills and expertise to ensure the project's success. Here is a suggested composition of the core project team:  **Project Manager:** The project manager oversees all aspects of the project, including planning, implementation, monitoring, and evaluation. They are responsible for project coordination, budget management, and reporting to stakeholders.  **Technical Lead:** The technical lead is an expert in IoT and AI technologies. They are responsible for the proper functioning and maintenance of the IoT and AI-enhanced drying system. They troubleshoot technical issues and ensure the system's reliability.  **Community Engagement Coordinator:** This role focuses on engaging with the fishing communities, building relationships, and ensuring that community members are actively involved in project activities. They also gather feedback to address community concerns and work diligently to maintain a positive, inclusive, and supportive community environment.  **Training and Capacity Building Specialist:** Responsible for designing and delivering training programs for fishing community members, with a focus on IoT and AI technology usage, hygiene practices, and quality control.  **Data Analyst:** The data analyst collects, analyzes, and interprets project data to measure impact and inform decision-making. They use data to identify trends, assess project outcomes, and produce reports.  **Sustainability Officer:** This role focuses on ensuring the long-term sustainability of project outcomes. They work on strategies to promote the continued adoption of IoT and AI systems and sustainable fishing practices.  **Environmental Specialist:** Responsible for monitoring the environmental impact of the project and ensuring that it aligns with sustainability goals. They assess changes in fish stocks and ecological health.  **Gender and Social Inclusion Officer:** This role ensures that gender and social inclusion considerations are integrated into project activities. They work to empower women in fishing communities and promote inclusivity.  **Monitoring and Evaluation (M&E) Officer:** Manages the project's M&E framework, conducts impact  **IoT Specialist: Our IoT Specialist is a specialist in Internet of Things technology.** They have the pivotal role of seamlessly integrating sensors, data collection mechanisms, and remote monitoring capabilities into the drier. Their expertise ensures that real-time data acquisition functions seamlessly.  **AI Developer/Engineer:** The AI Developer/Engineer is instrumental in incorporating artificial intelligence components within the drier. They create algorithms for data analysis, process optimization, and automation, enhancing the drier's efficiency.  **Renewable Energy Engineer:** Responsible for the drier's physical design, including the solar panel configuration, drying chambers, and mechanical components required for peak performance, our Mechanical Engineer plays a vital role in the project's success.  **Software Developer:** The Software Developers focus on the software aspects of the drier. They craft user interfaces, develop control systems, and ensure seamless software integration with IoT and AI components.  Who contributes to it?  The "Solar-Powered IoT and AI-Enhanced Silverfish Drier for Food Security and Economic Livelihoods" will involve contributions from stakeholders and partners below:  **Funding Organizations:** These are entities that provide financial support for the project. Funding may come from government agencies, international development organizations, foundations, corporate sponsors, or private donors. They play a crucial role in enabling project implementation.  **Project Implementers:** The core project team, as described earlier, is responsible for implementing the project on the ground. They oversee project activities, engage with the community, and ensure that the project objectives are met.  **Technical Partners:** Organizations or experts with technical knowledge in IoT, AI, solar technology, and fish drying systems may collaborate by providing technical guidance, equipment, or research support.  **Government Agencies:** Government departments related to fisheries, agriculture, and rural development may support the project by providing regulatory guidance, permits, and assistance in aligning project activities with government policies and priorities.  **Local Community:** The fishing communities themselves are active contributors to the project. They participate in project activities, receive training, and play a key role in adopting and maintaining the IoT and AI-enhanced drying system.  **Non-Governmental Organizations (NGOs):** NGOs with a focus on community development, sustainable agriculture, or technology adoption may partner with the project to provide expertise, resources, and community outreach support.  **Academic Institutions:** Universities and research institutions can contribute by conducting studies, providing research findings, and offering student involvement in project-related research and development.  **Private Sector:** Private companies specializing in IoT and AI technology, solar power, or food processing equipment may collaborate by supplying technology, equipment, or expertise. They can also explore potential market opportunities.  Who uses and depends on your project?  The success and impact of the "Solar-Powered IoT and AI-Enhanced Silverfish Drier for Food Security and Economic Livelihoods" project will depend on a number of stakeholders including:  **Fishing Communities:** Fishing communities in Uganda are the primary beneficiaries and users of the project. They depend on the improved silverfish drying technology to enhance their livelihoods, increase income, and reduce post-harvest losses. Community members directly engage with the drying system and benefit from the increased shelf life of dried silverfish.  **Women in Fishing Communities:** Women, who often play a central role in fish processing and trading, are a specific group within the fishing communities that depend on the project. Empowering women with access to technology and training enhances their economic opportunities and decision-making within their households and communities.  **Local Consumers:** Consumers in the project's target areas rely on access to safe and high-quality dried silverfish products. The project aims to ensure that consumers have access to a reliable source of protein, contributing to improved food security in the region.  **Government Agencies:** Government agencies responsible for fisheries, agriculture, and rural development are important stakeholders that depend on the project's success. They rely on the project to support sustainable fishing practices, reduce post-harvest losses, and enhance the economic well-being of fishing communities.  **Donor Organizations:** Donor organizations that provide funding and support for the project depend on its success to achieve their development goals and objectives. Positive project outcomes reflect well on the donors' efforts to address food security and economic livelihoods in Uganda.  **Technical Partners:** Organizations or experts in IoT, AI, and solar technology that collaborate with the project depend on its successful implementation to showcase the effectiveness of these technologies in real-world applications. They may use project results for research, development, or marketing purposes.  **Environmental Conservation Groups:** Organizations focused on environmental conservation and sustainability depend on the project to ensure that its activities align with ecological preservation goals and minimize negative environmental impacts.  Are there ways in which your project is important to the larger open-source ecosystem?  Yes, the "Solar-Powered IoT and AI-Enhanced Silverfish Drier for Food Security and Economic Livelihoods" project will have critical contributions to the larger open-source ecosystem in the following ways:  **Technology Showcase**: The project serves as a real-world demonstration of the practical applications of open-source IoT and AI technologies in addressing critical challenges such as food security and economic livelihoods. It showcases how open-source solutions can be customized and integrated to solve specific problems.  **Knowledge Sharing:** The project's findings, data, and lessons learned can be shared with the global open-source community. This knowledge sharing can include technical documentation, research reports, and best practices related to the use of open-source IoT and AI technologies in agricultural and food processing contexts.  **Open-Source Software and Hardware:** If the project relies on open-source software and hardware components, it can contribute to the improvement and development of these technologies. Project developers may identify bugs, suggest enhancements, or even actively participate in open-source communities to advance the technology stack.  **Collaborative Innovation:** By engaging with open-source communities and collaborating with experts and organizations in the field, the project can foster collaborative innovation. This can lead to the development of new features, tools, or applications that benefit not only the project itself but also the broader open-source ecosystem.  **Capacity Building:** The project may involve training and capacity building in open-source technology usage for local communities and project stakeholders. This contributes to the development of a skilled workforce with knowledge of open-source tools and practices.  **Replication and Adaptation:** The project's open-source approach allows for easy replication and adaptation in similar contexts or for addressing different agricultural and food security challenges. Other organizations or communities can leverage the project's solutions and customize them to their needs.  **Global Collaboration:** The project can facilitate collaboration with global open-source communities, bringing together experts and enthusiasts to collectively address pressing global challenges related to food security, technology adoption, and sustainable development. |
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| Will your project achieve any of the below aims? \* |
| Producing public interest research and writing  Educating the public about a subject or issue  Providing international aid  Providing relief of poverty  Producing or promoting artwork  Advancing scientific research  Combating prejudice and discrimination  Protecting the environment  Protecting human rights secured by law  None of the above |
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| Please explain your selection above.\*  **Producing public interest research and writing:** as a result of this project, further scientific research will spinoff in areas including   * Efficiency and reliability of solar panels and energy storage systems, * Monitoring Of Weather Paraments for increased fish production, * Implementing AI algorithms and IoT sensors to optimize the fish drying process, * Investigating how AI can be used to ensure food safety and quality during the drying process, etc   **Protecting the environment:** This will be achieved by   * Reducing reliance on fossil fuels or non-renewable energy sources * Using IoT and AI technologies to optimize the fish drying processes leads to greater energy efficiency and reduced energy wastage * Sustainable and efficient drying methods to help maintain fish stocks and the ecosystems they are part of. * IoT sensors and AI algorithms can help monitor and manage emissions and pollutants   **Advancing scientific research can be achieved through:**   * Scientists studying the effectiveness of IoT in monitoring and optimizing drying processes, leading to advancements in IoT technology for various applications. * Developing more advanced algorithms for optimizing drying conditions. * Investigating the impact of AI-enhanced drying on food quality and safety. * Exploring the potential of solar-powered drying for other agricultural products and commodities beyond silverfish. * Investigating the development of more efficient and durable materials for solar panels and IoT sensors   **Providing relief for poverty can be achieved through:**   * Enhancing the efficiency and quality of the silverfish drying process will enable communities, especially those in rural areas, to produce higher quantities of dried silverfish. * Improved drying techniques will enhance the value of dried silverfish products thus increasing the income potential for producers. * The implementation and maintenance of solar-powered drying systems, IoT sensors, and AI algorithms will create employment opportunities within local communities. * Implementing solar-powered drying systems will diversify income sources and reduce dependence on unpredictable fishing yields.   **Combating prejudice and discrimination through:**   * Reducing economic disparities among marginalized communities leading to greater social inclusion and reduced discrimination based on socioeconomic factors. * Ensuring that marginalized groups have equal access to solar-powered drying technology, training, and support will promote a sense of equity and fairness within communities. * Implementing technology that benefits the entire community can foster a sense of unity and cooperation among community members. This cohesion will reduce intergroup prejudice and discrimination by promoting understanding and collaboration. * Women face gender-based discrimination. Solar-powered drying technology will empower women by involving them in income-generating activities, thereby challenging traditional gender roles and stereotypes. * Efforts will be made to ensure that individuals with disabilities are included and accommodated. This will promote inclusivity and challenge biases against people with disabilities. * Providing knowledge and technology transfer to disadvantaged communities will help to bridge the knowledge gap and reduce discrimination stemming from a lack of access to information and resources.   . |

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| How do you plan to spend the requested funds? \* |
| List key budget categories, the amount requested per category, and an explanation of how you calculated the total requested per category. If shortlisted and invited to submit a full application, you will be asked to submit a budget spreadsheet. |
| (5000 characters or less) -  Below is the proposed budget for the " Solar-Powered IoT and AI-Enhanced Silverfish Drier for Food Security and Economic Livelihoods" project:   |  |  | | --- | --- | | **Budget Item** | **Amount(USD)** | | **Personnel Costs** |  | | Project Manager | 5,550 | | Technical Team (IoT and AI experts) | 3,700 | | Field Technicians and Trainers | 2,960 | | Research and Data Analysts | 1,850 | | Administrative and Support Staff | 740 | | Community Engagement Facilitators | 1,110 | | Training and Capacity Building Facilitators | 740 | | **Technology and Equipment** |  | | Solar Panels and Accessories: | 3,700 | | IoT Devices (sensors, microcontrollers) | 2,590 | | AI Hardware and Software | 2,960 | | Drying System Components | 2,220 | | IT Infrastructure (servers, networking) | 1,710 | | Safety and Security Equipment | 740 | | **Training and Capacity Building** |  | | Training Workshops and Materials | 1,780 | | Community Outreach and Education | 1,110 | | Skill Development Programs | 740 | | **Research and Data Collection** |  | | Data Collection Tools and Software | 740 | | Surveys and Data Analysis | 1,110 | | **Community Engagement and Outreach** |  | | Workshops and Seminars | 1,110 | | Awareness Campaigns | 1,740 | | Community Meetings and Events | 740 | | **Monitoring and Evaluation** |  | | M&E Tools and Software | 740 | | M&E Consultants (external): | 1,110 | | **Travel and Logistics** |  | | Field Visits and Data Collection | 1,850 | | Transportation and Fuel | 1,110 | | **Communication and Outreach** |  | | Project Website and Content Creation | 740 | | Printed Materials and Brochures | 370 | | **Contingency Fund** | 740 | | Administrative and Overhead Costs |  | | Office Space and Utilities | 1,480 | | Office Supplies and Equipment | 370 | | **Project Evaluation and Reporting** |  | | External Evaluation | 740 | | Reporting and Documentation | 1,110 | | **Total Project Budget(USD)** | **50,000** | |

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| What license(s) does your project use? \* |
| The MTF committee will only consider projects that are released publicly under a license that is either [a free software license according to the FSF](https://www.gnu.org/licenses/license-list.html) or [an open source license according to the OSI](https://opensource.org/licenses/category). Projects which are not licensed for use under an open-source license are not eligible for funding. |
| (5000 characters or less)  The software and hardware licenses required for the "Solar-Powered IoT and AI-Enhanced Silverfish Drier for Food Security and Economic Livelihoods" include software and hardware licenses that will be relevant to the project and are listed below:  **Software Licenses:**  **IoT Platform**: If the project uses a specific IoT platform for data collection, sensor management, and communication, it may require licenses or subscriptions for that platform.  **AI Software:** If the project utilizes AI algorithms or machine learning models, licenses for AI software libraries and tools, such as TensorFlow, PyTorch, or scikit-learn, may be necessary.  **Operating Systems:** Licensing for server operating systems, if applicable, should be considered. Open-source operating systems like Linux may be used to minimize costs.  **Data Analytics Tools:** Software licenses for data analysis and visualization tools, such as R, Python data analysis libraries, or commercial analytics software.  **Database Management**: Licenses for database management systems (DBMS) like MySQL, PostgreSQL, or Microsoft SQL Server if databases are used for data storage and retrieval.  **Communication and Collaboration Tools:** Licenses for communication and collaboration software like email services, video conferencing tools, and project management platforms.  **Security Software:** Antivirus and cybersecurity software licenses to protect project infrastructure and data.  **Development Tools:** Licenses for software development tools, integrated development environments (IDEs), and version control systems.  **Hardware Licenses:**  **IoT Sensors:** Depending on the IoT sensors used for data collection, there may be licensing agreements or proprietary hardware components.  **AI Hardware:** Specialized hardware for AI processing, such as Graphics Processing Units (GPUs) or Field-Programmable Gate Arrays (FPGAs), may have specific licenses.  **Server Hardware:** If the project involves dedicated servers or cloud-based resources, consider any licensing requirements for server hardware and virtualization.  **Solar Equipment:** Licensing or warranty agreements for solar panels and related equipment, if applicable.  **Networking Hardware:** Licensing for networking devices and equipment used to establish connectivity.  **Drying System Components:** If the drying system incorporates proprietary components or controllers, there may be licensing agreements. |

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| Have you ever received a grant or award from Mozilla before?\* |
| If yes, please tell us about it. How much were you awarded? What were your planned outcomes? Did you reach them? If not, why not? |
| (5000 characters or less)  No. We missed the summit opportunity at Mozilla's Africa Innovation Mradi's last call on "AI's impact on human rights, economic justice, racial justice, community justice, gender justice, disability justice, and environmental justice." We had never seen a call for funding from the Mozilla Trust Fund before the last one. |

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| [OPTIONAL] Was a translation tool/service used to complete this application? |
| We encourage the use of translation support to complete applications because we recognize that we are requiring applications to be completed in English and that English is not a primary language for many people. Applications are reviewed for conceptual strength, not quality of language, and we are asking this question to support reviewers to read the application according to how it was prepared. |
| (Select One) No |

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| [OPTIONAL] DEMOGRAPHIC INFORMATION |
| Mozilla is especially interested in receiving applications from members of the Global Majority or Global South; ​​Black, Indigenous, and other People of Color; women, transgender and/or gender diverse applicants; migrant and diasporic communities; and/or persons coming from climate displaced/impacted communities, (e.g. Most Affected People and Areas). If you would like to share any demographic information with us you have the option to in the following text field.  Why are we collecting this information?  We are interested in understanding more about your social identity to ensure equitable access and prioritize opportunities for all applicants. |
| [OPTIONAL] Please share any demographic information with us here. |
| (250 characters or less)  The fishing community that is to be used as the pilot is a Registered Association of 70 members both males and females known as Port Bell Fishmongers Association located on one of the landing sites on Lake Victoria. At the moment the method used to dry the silverfish is sun drying on the rocks near the lakeshores during the dry season which is labor-intensive and time-consuming and has to be carried out away from the community due to the smell of the fish as it is drying. During the rainy season, the business is not active due to lack of sunshine. The fish ends up rotting and becomes an aesthetic hazard. |

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| APPLICANT DETAILS | |
| These grants are open to all individuals, networks, and self-organized groups and organizations that are eligible to receive funding from Mozilla Foundation, a US-based 501(c)3 public charity, except where legally prohibited.  If your organization will be receiving the grant payment, please select the appropriate organization type and provide organizational contact information. | |
| Applicant Type (select one) | |
|  | Organisation: **Uganda Institute of Information and Communications Technology** |

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| Primary Contact / Applicant Details |  |
| Prefix | Dr. |
| First Name | Fredrick Edward |
| Last Name | Kitoogo |
| Title | Principal |
| Email | [fredrick.kitoogo@uict.ac.ug](mailto:fredrick.kitoogo@uict.ac.ug) |
| Work Phone | +256-312-165100 / +256772855884 |

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| Organization Information (if applying as an organization) | | | |
| Organization’s Legal Name: Uganda Institute of Information and Communications Technology | | | |
| Popular name used by organization (if different from legal name): **UICT** | | | |
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| Organization Tax Details (if applying as an organization) | | | |
| Country of Incorporation: **Uganda** | | | |
| Tax Status (select from the options below) | | | |
|  | Nonprofit organization/NGO: **Non-Profit Organisation** | | |
|  |  | If NGO, select from options below: | |
|  |  | US 501(c)3 public charity | |
|  |  | US 501(c)3 private foundation | |
|  |  | Non-US nonprofit/NGO with public charity equivalency determination | |
|  |  | Non-US nonprofit/NGO without equivalency determination | |
|  |  |  | If Non-US, answer the following: |
|  |  |  | What is your organization’s legally registered status in your country (i.e. non-governmental organization, public benefit organization, companies limited by guarantee, charitable trusts, societies, etc.)? |
|  |  |  | Does your organization have shareholders of any kind? **No** |
|  | Organizations applying using fiscal sponsorship agreement | | |
|  |  | If fiscal sponsorship, answer the following regarding the fiscal sponsor: | |
|  |  | Legal Name of Fiscal Sponsor | |
|  |  | Fiscal Sponsor’s Tax Status (see above if fiscal sponsor is NGO) | |
|  | For-profit organization | | |
|  | Governmental unit | | |
|  | Other (please describe) | | |

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| Organization Address (if applying as an organization) |
| Address 1: **Plot 19-21 Port Bell Road, P.O Box 7187, Nakawa** |
| Address 2 |
| City: **Kampala** |
| Country: **Uganda** |
| State/Province: **N/A** |
| Postal Code (Zip): +256 |

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| Organization Contact Details (if applying as an organization) | |
| Organization Phone: **+256-312-165100** | |
| Main Organization E-Mail: [info@uict.ac.ug](mailto:info@uict.ac.ug) | |
| Website: [www.uict.ac.ug](http://www.uict.ac.ug) | |
| Social Account(s) | |
| Is the head of your organization also the primary contact listed above? Yes/No. **Yes** | |
|  | If No: Who is the head of your organization? |
|  | Prefix: |
|  | First Name |
|  | Last Name |
|  | Title (e.g. Executive Director) |
|  | Email |
|  | Phone |

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| Personal Links (if applying as an individual) |
| Personal website |
| LinkedIn |
| Social Account(s) |
| Github or other code repository |

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| Personal Address (if applying as an individual) |
| Address 1 |
| Address 2 |
| City |
| Country |
| State/Province |
| Postal Code (Zip) |

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| Submission Terms\* |
| I agree to the [Mozilla Privacy Policy](https://www.mozilla.org/en-US/privacy/websites/). |