

**INTERNAL CALL TO SUPPORT STUDENTS DEVELOP & UPSCALE
PROTOTYPES/SERVICES WITH AN ARTIFICIAL INTELLIGENCE/ICT
COMPONENT**

In line with MMUST mandate as a University of Science, Research and Innovation, the country's vision 2030 agenda, the UN 17 Sustainable Development Goals (SDGs) and the 4th of industrialization revolution which is characterized by a fusion of ICT/AI in physical, digital and biological spheres; The DVC-PRI office once floats a competitive innovation fund to support the innovative prototypes and services which incorporate ICT/AI through University Innovation Fund (UIF). The prototype should demonstrate capability of commercialization and provide services to the community. The call will be open to all MMUST students at diploma level, undergraduate and graduate level.

The call targets prototypes which can be up scaled and commercialized so that the outputs are products which can be licensed and generate income to the university. The identified prototypes will be presented during MMUST annual innovation week and hence competitively presented at the Kenya Innovation week on 6th- 8th Dec @ Sarit Expo Center themed "Kenya to the world and the world to Kenya".

The successful applicants will be expected to file patent so as to increase the competitive profile of the University in terms of patents/utility models/ trademarks/trade names/copyrights/breeders rights and licenses before hence accessing funds to proceed with product development.

The call will last 2 weeks to enable scientist engage and prepare their concept/presentation/products. Once the call period elapses, the SPIIC Board will listen to the presentation/Review product for presentation @ the MMUST innovation week on 18th October 2022 themed "Incorporation of ICT/AI in product development and services".

Expected Impact

Prototypes funded by the UIF are expected to file an Intellectual Property which has a value chain/product development or service which Incorporated ICT. As a product, it should exhibit originality and a clear up-scaling method and the likely market. As a service, a business

component should be clearly documented with the advantages that make the service unique. Sustainability component/Income generation aspect will be a must.

Time Table

	ACTIVITY	TIMELINE
1	Launching	19 th September 2022
2	Deadline for Submission of application	3 rd October 2022
3	Information on Evaluation results of application	10 th October 2022
4	Oral defense/Prototype presentation/ MMUST innovation week.	18 th October 2022
5	Identified Prototypes presented @Innovation week	24 th October 2022
6	Award of funds	6 th November 2022

Budget

The budget should be of not more than K sh 500,000/- which will be awarded based on the concept assessment report, the oral defense and justification of the project ICT component/commercialization.

Admissibility

1. Applications must be submitted before the deadline-see **time table** for activity and their time lines
2. An electronic copy should be submitted to the directorspiic@mmust.ac.ke, dvc-pri@mmust.ac.ke
3. Applicants who already have prototype can start preparing their presentation and complete the necessary forms for intellectual property (form P3) in the KIPI website as they prepare a detail description of their the ICT/AI component/value chain/product development and prospective industrial partners if necessary.

Application must be complete and contain

1. Not more than three pages detail description of the prototype detailing how ICT will enhance the service. This will include the Title of the project, Introduction, Objectives, Hypothesis, Technical description, The patent-able idea, Summary.

2. A time frame for execution of the project eg. Prototype improvement-Patent application/ License- commercial production.
3. Supporting documents if it's a prototype which needs improvement.
4. A no conflict letter from the co-innovators signed where the concept has more than one participant to allow the leader spearhead the project.

Eligibility

1. The Applicant should be a registered student of MMUST who will identify a mentor once funded.
2. Under the outreach program, A student working on an idea which incorporates community or provides a community service should be an ICT student.
3. A student can submit up to 2 concepts individually or in collaboration as per 1 and 2 above one of them should be an ICT student

Evaluation

- 1 Clarity of the innovation component, the role of ICT/AI well documented and how it will be developed.
- 2 Originality in line with the Big 4 agenda & the MDG crucial to the respective School
- 3 The critical nature which the prototype or service intends to address.
- 4 Leverage and value addition of the technology to be developed to the already existing ones.