

CASE STUDY

Presented by



AIMS-BD4D-IP Challenge Workshop

Introduction



Africa is currently underrepresented in STEM fields, slowing the continent's development and stunting social impact efforts to improve the lives of Africans.

The continent needs intelligent youth to fill the skills gap in STEM in order to secure a scientifically and educationally advanced future for the people of Africa.

These aspiring youth require real-world, skills-based, hands-on learning opportunities in the data science and engineering fields to initiate lasting change.

Challenge

On June 16, 2020, Prepr was honoured to partner with the African Institute for Mathematical Sciences - Next Einstein Initiative (AIMS-NEI) and Cenfri to bring together key stakeholders, representatives from both the public and private sectors, at the Big Data for Development Innovation Program (BD4D-IP) virtual workshop.

Priority Areas according to the African Development Bank Group



Light Up & Power Africa



Feed Africa



Industrialize Africa



Integrate Africa



Improve Quality of Life in Africa

This partnership with Prepr will help expand the reach of the BD4D-IP for African youth development in STEM fields, including fields like data science and analytics, machine learning, and artificial intelligence, so that more African students can grow their innovation potential.

The open data challenges that Prepr Labs will introduce to the educational initiative will give students an experiential, practical learning opportunity in which they learn how to innovate by actively innovating.

Approach

The workshop leveraged Prepr's design thinking framework to successfully and collectively produce innovative challenge statements and brainstorm more learning opportunities for the STEM youth problem-solvers who will participate in challenges.



Using Prepr methodology and design thinking, workshop participants innovated enriching and feasible plans for the future of the BD4D-IP initiative, converging ideas that will ultimately make a long-lasting impact on the future of Africa's youth.

Outcome

The Prepr LearnLab Network was an integral part of the workshop's great success.

35

Engaged public & private sector representatives

Representatives include:

The World Bank

Cenfri

German Agency for International Cooperation

Representatives developed challenge statements to address AfDB's 5 priority areas.

Workshop group mapped out ideas for improving the quality of life in africa:

More training for community health workers

Training youth with more soft skills

Focus on infrastructure such as roads and road networks across the continent.

Using the Prepr method of problem solving and innovation, the representatives developed thoughtful challenge statements to address important challenges in the five priority areas outlined by the AfDB High 5s.

The workshop group mapped out ideas for improving the quality of life in Africa by training more community health workers and more youth with soft skills, and integrating Africa by working on rural access to roads and more road networks across the continent.

The collaborative workshop will make an impact on not only the youth's future in science and innovation but also the developing future of Africa—a brighter, more equal, advanced, and prosperous future for all.