



M. Mbaga - 06.12.2018

ImpalaEdTech - Empower youth "Tech-Teacher" in Parakou (Rural areas in northern Benin)



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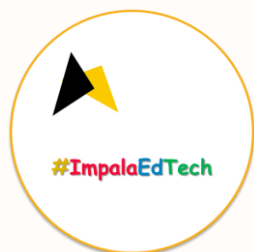
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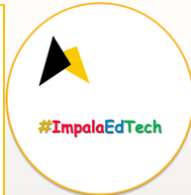
Challenges



Keoubougou Pi
Learn with Raspberry Pi



Introduction



Project Manager : *Martin Mbaga*



Project Manager : *Gregory Vidjinnangni*



Technical Advisor : *Michel OKAN*



- ✓ Non-profit organizations
- ✓ **Tech Network** connecting **Digital Entrepreneurs, Engineers** and **STEM* Enthusiasts**, with a passion of **digital for development**

*(Science, Technology, Engineering and mathematics)

Objectives / Activities



Objectives

- Teaching **21 century skills** , with **coding & robotics** in primary and secondary schools in Parakou
- Empowering local **youth** through **Technology Educator** career

Activities

- ✓ **Guidance and support** for teachers on how to use technology effectively in the classrooms in delivering their curricula.
- ✓ Training and awareness youth on **Technology educator** job
- ✓ **Coding and Robotics** workshops in classroom



Schools



- Lycée Mathieu Bouké
- **Lycée des Jeunes Filles**
- Collège d'Enseignement Général Zongo

In total, +/- 80 students from 3 colleges, of which **60 % girls**.

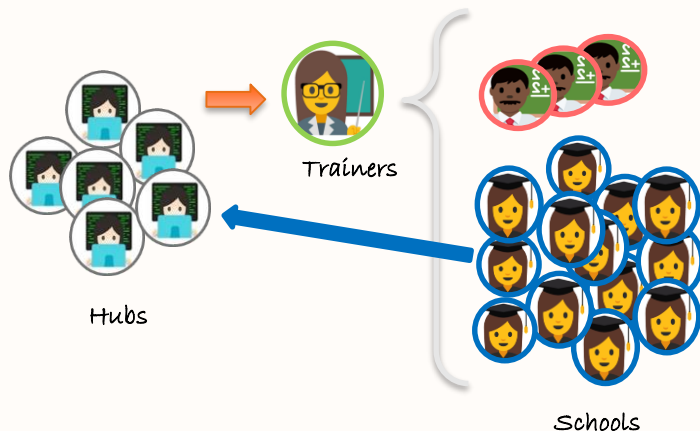


Solution / Advantages



Training “youth geek” in Hubs on how to teach and share their passion with Kids, and connect them to the education ecosystem.

- Jobs creation for motivated and passionate youth
- Time saving as training connected, qualified and equipped trainers (Laptops , Skype, ...)
- Promote local ICT tools and contents creation
- Try to give a meaning to the life change youth hope, due to the digital hype
- Enable local content creation
- Preparing kids the earliest for tech entrepreneurship



Material



■ Robot

Makeblock Mbot

- Suitable for programming and robotics
- Works with Scratch 2.0 / 3.0
- Arduino based
- Adjustable to cover different grade levels
- Easy to assemble
- Cheaper

■ Content

- Many existing books
- The mBot is used in French education system

■ Laptops



Challenges



- Lack of basic infrastructure for digital education (Computers, Internet connection, ...)
- Rigid school programs
- Untrained teachers
- Sustainable “Business model “
 - Courses vs Materials
 - Full time in one school
 - Part time in different schools
 - A STEM training Center
 - ...
- The entrepreneurship hype, with many dramatized success stories
- Generation gap (Teachers vs Trainers)
- ...

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