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

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)
- ...
ImpalaBridge

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